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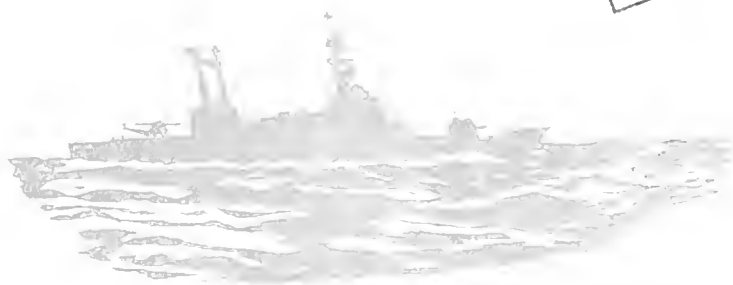


**COAST GUARD**

**OCEANOGRAPHIC OBSERVATIONS  
NORTH ATLANTIC OCEAN  
STATION ECHO  
TERMINAL REPORT**

**1966-1973**

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**OCEANOGRAPHIC OBSERVATIONS**  
**NORTH ATLANTIC OCEAN**  
**STATION ECHO**  
**TERMINAL REPORT**  
**1966-1973**

*Adrian W. Longacre*

**United States Coast Guard**  
**Oceanographic Unit**  
**Washington, D.C.**

**September 1977**

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NORTH ATLANTIC OCEAN STATION ECHO  
TERMINAL REPORT  
1966 - 1973

by

ADRIAN W. LONGACRE<sup>1</sup>

## INTRODUCTION

Ocean Station ECHO, (figure 1), one of five stations in the North Atlantic Ocean formerly occupied by U.S. Coast Guard Cutters on which meteorological and oceanographic data was collected, was centered at 35° 00'N latitude, 48° 00'W longitude. Oceanographic stations at ECHO were first taken by the USCGC CASCO in January 1963. The final occupation was by the USCGC INGHAM in June 1973, after which Ocean Station ECHO was disestablished. Between those dates, a total of eighty-six oceanographic occupations occurred. Data from the first occupation, January - February 1963, was published in U.S. Coast Guard Oceanographic Report No. CG 373-2 (Morse and McGary, 1964). Data collected between September 1966 and October 1967 was published in U.S. Coast Guard Oceanographic Report No. CG 373-21 (Shuhy, 1969) and that from November 1967 to December 1968 were covered in U.S. Coast Guard Oceanographic Report No. CG 373-49 (Rosebrook, 1971).

## DATA COLLECTION AND PROCESSING

A total of 2048 oceanographic stations were taken by U.S. Coast Guard Cutters during the 86 patrols between January 1963 and June 1973. A summary of these oceanographic operations since

January 1963 is presented in Table 1. Nine hundred eleven stations were occupied using an STD system, with the remaining 1137 consisting of shallow and deep Nansen casts. Data was collected using established procedures outlined in the U.S. Coast Guard Manual for Oceanographic Operations (CG-410).

Temperature data from Nansen casts were transmitted to the U.S. Coast Guard Oceanographic Unit immediately after each cast for real-time data processing and quality control. Corrected temperature values were forwarded to the Navy Fleet Numerical Weather Central, Monterey, California, for use in forecasting synoptic oceanographic conditions.

Upon completion of a cruise, collected data were processed and quality controlled and submitted to the National Oceanographic Data Center (NODC). Observed values of temperature, salinity, and dissolved oxygen and computed values of sigma-t and sound velocity for occupations 21 through 87 are presented in Appendix A.

## TEMPERATURE

August was the warmest month as indicated by the surface water temperature, figure 2, with the average surface temperature between 26.8°C and 24.5°C, averaging 26°C over all years. The coldest average surface temperature was between February and April, usually in March. Below 100

<sup>1</sup> Formally of the U.S. Coast Guard Oceanographic Unit, Building 159-E, Navy Yard Annex, Washington, D.C.

TABLE 1 - Summary of oceanographic operations on Ocean Station  
ECHO January 1963 - June 1973

CRUISE NUMBER	COAST GUARD CUTTER	DATES	NUMBER OF STATIONS	
			SHALLOW*	DEEP
E-1	CASCO	1/29 - 2/16/63	29	5
E-2	YAKUTAT	9/21 - 10/13/66	22	1
E-3	McCULLOCH	2/4 - 2/25/67	18	0
E-4	ANDROSCOGGIN	7/17 - 8/6/67	11	0
E-5	ABSECON	7/17 - 8/6/67	20	0
E-6	McCULLOCH	9/26 - 10/14/67	17	0
E-7	CASTLE ROCK	11/28 - 12/11/67	8	0
E-8	HUMBOLDT	1/10 - 2/1/68	22	1
E-9	ESCANABA	2/26 - 3/19/68	17	1
E-10	MENDOTA	4/12 - 5/4/68	17	1
E-11	CASCO	5/5 - 5/27/68	6	7
E-12	SEBAGO	5/28 - 6/19/68	18	2
E-13	HALF MOON	6/20 - 7/12/68	23	4
E-14	CASTLE ROCK	7/14 - 8/4/68	20	1
E-15	SEBAGO	8/5 - 8/27/68	22	1
E-16	CHASE (STD)	9/1 - 9/22/68	71	0
E-17	DALLAS	9/23 - 10/11/68	19	1
E-18	YAKUTAT	10/12 - 11/5/68	24	1
E-19	McCULLOCH	11/6 - 11/25/68	16	0
E-20	BOUTWELL (STD)	11/30 - 12/5/68	18	0
E-21	HUMBOLDT	12/22 - 1/11/69	17	1
E-22	COOK INLET (STD)	1/12 - 2/6/69	11 Nansen	0
			18 STD	0
E-23	ANDROSCOGGIN	2/9 - 3/2/69	13	0
E-24	SHERMAN (STD)	3/3 - 3/26/69	12 STD	0
			4 Nansen	0
E-25	YAKUTAT (STD)	3/26 - 4/18/69	81	4
E-26	CHASE (STD)	4/18 - 5/11/69	60	0
E-27	HUMBOLDT	5/11 - 6/3/69	17	1
E-28	ANDROSCOGGIN (STD)	6/3 - 6/26/69	33	0
E-29	CAMPBELL	6/26 - 7/19/69	20	0
E-30	COOK INLET (STD)	7/19 - 8/10/69	9 STD	0
			19 Nansen	0
E-31	McCULLOCH	8/11 - 9/3/69	19	2

\*Shallow Stations are collected to a depth of 1500 meters or less, Deep Stations are collected to depths exceeding 1500 meters.

CRUISE NUMBER	COAST GUARD CUTTER	DATES	NUMBER OF STATIONS	
			SHALLOW*	DEEP
E-32	BOUTWELL (STD)	9/26 - 10/19/69	2 STD 17 Nansen	0 0
E-33	ABSECON (STD)	10/22 - 11/11/69	5 STD 10 Nansen	0 1
E-34	no occupation			
E-35	ANDROSCOGGIN (STD)	11/12 - 12/3/69	29	0
E-36	ESCANABA (STD)	12/28 - 1/19/70	14	0
E-37	GALLATIN	1/20 - 2/10/70	11	1
E-38	MENDOTA	2/11 - 3/6/70	14	1
E-39	ESCANABA	3/7 - 3/24/70	12	1
E-40	ANDROSCOGGIN (STD)	3/29 - 5/1/70	54 STD 4 Nansen	0 0
E-41	ESCANABA (STD)	5/1 - 5/31/70	87 STD 1 Nansen	22 STD 0
E-42	BOUTWELL (STD)	5/31 - 6/29/70	109	0
E-43	DUANE	6/30 - 7/22/70	21	1
E-44	ABSECON	7/22 - 8/14/70	17	1
E-45	BIBB	8/14 - 9/6/70	11	1
E-46	ANDROSCOGGIN (STD)	9/6 - 9/29/70	48	11
E-47	CHASE (STD)	9/29 - 10/22/70	60 STD 4 Nansen	0 0
E-48	OWASCO (STD)	10/22 - 11/14/70	14	15
E-49	DUANE	11/14 - 12/7/70	10	0
E-50	CHINCOTEAGUE	12/7 - 12/30/70	20	1
E-51	ESCANABA (STD)	12/30 - 1/22/71	18	0
E-52	INGHAM	1/22 - 2/12/71	9	1
E-53	DALLAS (STD)	2/12 - 3/7/71	11	8
E-54	MENDOTA	3/7 - 3/30/71	15	0
E-55	SEBAGO	3/30 - 4/22/71	21	0
E-56	DALLAS (STD)	4/22 - 5/15/71	14	16
E-57	MENDOTA	5/15 - 6/7/71	24	0
E-58	BIBB	6/7 - 6/30/71	14	1
E-59	ANDROSCOGGIN	6/30 - 7/24/71	17	1
E-60	SPENCER	7/24 - 8/17/71	21	0
E-61	SHERMAN	8/17 - 9/14/71	28	0
E-62	CHINCOTEAGUE	9/14 - 10/10/71	20	1
E-63	DUANE	10/10 - 11/5/71	15	1
E-64	CHINCOTEAGUE	11/5 - 11/25/71	15	1
E-65	McCULLOCH	11/25 - 12/17/71	11	0
E-66	SPENCER	12/17 - 1/10/72	12	0
E-67	MORGENTHAU	1/10 - 2/5/72	12	1

CRUISE NUMBER	COAST GUARD CUTTER	DATES	NUMBER OF STATIONS	
			SHALLOW*	DEEP
E-68	CHINCOTEAGUE	2/5 - 2/29/72	10	1
E-69	ESCANABA (STD)	2/29 - 3/25/72	23 STD	2
			1 Nansen	0
E-70	CAMPBELL	3/25 - 4/20/72	14	2
E-71	DALLAS (STD)	4/20 - 5/17/72	40	0
E-72	SHERMAN (STD)	5/17 - 6/10/72	3 Nansen	0
			39 STD	4
E-73	BIBB	6/10 - 7/4/72	10	1
E-74	CHAUTAUQUA	7/4 - 7/30/72	19	1
E-75	GALLATIN	7/30 - 8/24/72	16	0
E-76	BIBB	8/24 - 9/18/72	16	1
E-77	WINNEBAGO	9/18 - 10/8/72	9	0
E-78	ANDROSCOGGIN	11/23 - 12/16/72	10	1
E-79	WINNEBAGO	12/16 - 1/7/73	10	2
E-80	CAMPBELL	1/7 - 1/29/73	6	1
E-81	PONTCHARTRAIN	1/29 - 2/23/73	13	0
E-82	MENDOTA	2/23 - 3/18/73	12	1
E-83	GALLATIN	3/18 - 4/11/73	14	0
E-84	BIBB	4/11 - 5/3/73	11	1
E-85	ESCANABA	5/3 - 5/23/73	17	2
E-86	BOUTWELL	5/23 - 6/12/73	20	0
E-87	INGHAM	6/12 - 6/30/73	8	1

#### OCEAN STATION ECHO DISESTABLISHED

meters reactions to seasonal changes were much less extreme and were almost non-existent. The rapid surface temperature decrease in the fall and winter showed its effect down to depths of 200 meters. Possible effects were seen to 300 meters.

Averaged temperatures for the 300 meter to 1000 meter levels were similar in their monthly variations. Between some months there were differences in the monthly variations of temperature at the 300 meter and 400 meter levels as compared to those below 500 meters, but such occurrences were the exception rather than the rule. The steeper vertical temperature gradient of the shallower levels would have caused larger temperature differences for equal changes in the depth of the isotherms.

Response to seasonal cycles over the year was most pronounced in the surface layer, as already mentioned. In the 300 meter to 1000 meter layers, temperatures dropped from June 1967 to July 1967, after which there was a sharp increase through September. Temperatures dropped sharply until November, and then fell more gradually until February 1968. By March, temperatures had risen, followed by a slight decrease above 400 meters and a continued rise below. By June, all temperatures had fallen from their earlier spring high. From June to October, all temperatures showed a gradual rise, except for a slight decrease between August and September at certain deeper levels. Temperatures decreased through December. Temperatures in these levels

increased through March 1969, except at 300 meters where the increase lasted only until February and March was slightly cooler. Temperatures decreased between March and April, then rose for the next two months. Between June and July temperatures decreased. They increased in August. Little change occurred through September. Subsequently temperatures dropped through January 1970, except for a slight brief increase in November between 300 meters and 500 meters. Temperatures then generally increased through March, decreased in April, increased in May, sharply decreased in June, followed by increasing temperatures through September 1970. October showed a sharp drop, followed by an increase through November. By January 1971, temperatures had dropped by from  $1.7^{\circ}\text{C}$  at 300 meters to  $2.7^{\circ}\text{C}$  at 700 meters. By April, temperatures had increased, and then fell through July, to increase again, reaching a peak in August. Temperatures then fell until November, increased until January 1972, and then fell until March. By June, temperatures were much higher, and started falling. This continued until November (October at 700m) and fell in December. Until March 1973, temperatures remained within  $0.6^{\circ}\text{C}$  of the December 1972 temperature. They fell in April.

## SALINITY

Monthly averaged sea surface salinity values showed a seasonal variation much like that of sea surface temperature, but to a less noticeable degree, figure 3. The highest average sea surface salinity usually occurred during the summer months, though not always, followed by a rapid

decrease during the early fall months. A rapid increase in the surface salinity occurred during the early winter, after which there was a more gradual net increase toward the summer maximum. However, between the rapid rise in early winter, and the more gradual spring rise, there was, on several occasions, a decrease. The variation of salinity with time showed a greater variation at the surface as compared to the deeper levels, showing the effects at the air-sea interface.

The monthly average salinity at 100 meters seemed to vary more along the lines of the deeper layers than the surface layers.

From 200 meters to 1000 meters the variation in salinity showed a high degree of similarity, with salinity decreasing as one moved deeper.

Between 1000 meters and 1500 meters, the variations in salinity were similar to one another, but with much less uniformity.

The similarity in variation of both salinity and temperature between 700 and 2000 meters indicates this layer was a single water mass, the North Atlantic Central Water mass, as previously reported by Rosebrook (1971).

The similarity in variation of temperature and salinity down to 1500 meters again supports Rosebrook's (1971) observation of this being the Upper North Atlantic Deep Water (Wüst, 1936).

## DISSOLVED OXYGEN

Dissolved oxygen samples were collected and analyzed during two occupations of Ocean Station ECHO. These were occupation No. 49 by USCGC DUANE (14

November 1970 to 7 December 1970), figure 4a, and occupation No. 52 by USCGC INGHAM (25 January 1971 to 11 February 1971), figure 4b. During the first occupation 10 stations were analyzed for dissolved oxygen; during the second occupation there were 19 stations.

Surface values of dissolved oxygen averaged around 5.15 ml/l for occupation 49. The oxygen minimum occurred between 600 meters and 800 meters, with  $O_2$  values around 4.0 ml/l. After the minimum,  $O_2$  values increased with depth and reached a maximum of about 6 ml/l around 1500 meters.

Occupation No. 52 showed higher surface values (average around 5.5 ml/l) followed by a more rapid decrease with depth to the  $O_2$  minimum layer between about 500 meters and 650 meters. The minimum value was about 3.60 ml/l. Again, values increased with depth to 1500 meters after which values were nearly constant with increasing depth at about 6 ml/l.

Both sets of data showed a great similarity below the oxygen minimum layer. The greater surface values during occupation 52, and the more shallow and lower minimum values indicated greater biological activity, both production and consumption, during the later occupation.

Temperatures were cooler during occupation 52 than during occupation 49. There was, however, a warming trend between January and February 1971, while temperatures decreased between November and December 1970. Salinity showed a similar pattern. The cooling during the first occupation may have resulted in a sinking of the surface waters, causing a removal of producers and nutrients, while the warming trend during

the second occupation could have caused an increase in productivity.

## ISOTHERMS

The coolest surface temperatures present at Ocean Station ECHO was about 17° C, figure 5. This isotherm varied in depth between 460 meters (September 1967) and the surface (April 1970). During the period where ECHO was continually manned (starting in April 1968), the minimum depth of the 17° C level was reached in April, and on two occasions in June.

The greatest depth of this level usually occurred in late summer, and or in late winter. The former occurring due to the isotherms being depressed due to summer heating and the latter due to winter cooling and mixing. There was generally a slight rise in depth of the isotherm between the fall and winter deep values.

This pattern was generally followed by all isotherms from 17° C to 5° C. There were some minor exceptions to this, but these exceptions generally occurred during months where the isotherms made only small migrations. For example, between April and May 1968 the 17° C through 10° C isotherms became shallower, while the 9° C through 5° C isotherms moved to deeper levels. The most radical departure from this general uniformity was between February and March 1970, where the 16° C through 5° C isotherms moved 50 meters deeper, while the 17° C isotherm rose from 275 meters to 80 meters. This may have been a result of atmospheric (temperature) effects, although such effects usually did not appear below 200 meters.

Since deep stations were not made with



enough frequency, annual fluctuations of the 3° C and 4° C isotherms were not sufficiently well defined. However, that data which were collected seems to agree with the fluctuations of the warmer levels.

## ISOHALINES

The isohalines showed a similar seasonal variation of depth, figure 6. The salinity appeared to generally decrease with depth. The lowest surface salinity present was about 36.3 ‰. The salinity down to about 100 meters (about 35.1 ‰) generally followed the fluctuations of the 36.3 ‰ isohaline. The 35.0 ‰ isohaline also followed the general trend of the shallower isohalines, but less closely than the others.

Monthly variations of the 36.3 ‰ to 35.1 ‰ isohalines were similar except for several occasions where there appeared to be a lag between the shallower and deeper isohalines.

Between June 1967 and July 1967 the isohalines became shallower and then descended 280 meters or more by September. The levels rose to within about 40 meters of the July level by February 1968. These lower winter values were followed by the depth of isohalines increasing for the next one to three months (depending on the isohaline), followed by isohalines moving to their shallowest level in June, for the higher values of salinity, and July for less saline water. By August, all layers had descended, but September showed the isohalines to be rather irregular, with some moving shallower, and others deeper. From October to November, the isohalines had become shallower, followed by a general sinking through February 1969.

Various layers moved differently until April when all layers were shallower than February. During the next two to three months, the layers moved deeper, followed by a general overall rise until January 1970. Levels moved deeper until March, after which they rose to a June peak. Levels descended until September. A sharp rise was apparent for October, then November showed layers had moved deeper.

The following year was similar to 1970 with layers shallow in January, descending through April, a yearly high in July, descending to September, a short rise to November, followed by descending levels which continued to January 1972, after which levels rose through March.

From June 1972 until March 1973 levels did not generally appear to vary by more than 50 meters between any two months.

## STANDARD DEVIATION

Since all data for a month was averaged, the standard deviation for both temperature and a salinity for each month was computed at 100 meter intervals.

Normally, one would expect the greatest deviation to occur at the surface or in the near surface layer where the atmospheric effects would be greatest. Furthermore, an open ocean area, such as Ocean Station ECHO, should have a greater deviation in this surface region for temperature, than for salinity, since runoff would not have an effect.

As expected, temperature did show a much greater deviation than salinity for virtually all months and depths. However, the greatest deviation did not only occur at the surface, but in deeper layers, figure 7.

To be sure, large values of standard deviation did occur in the upper 100 meters, particularly from May to October of most years studied. These surface layer values were generally more noticeable in the temperature parameter than in the salinity parameter. However, the greatest values of standard deviation generally occurred at depths between about 400 and 800 meters, with a few occasions where it was slightly above or below this level. Additionally, this maximum deviation for both salinity and temperature usually occurred at or nearly the same depth. Where they differed, the maximum salinity deviation usually occurred 100 meters shallower than temperature. However, where a salinity peak did occur, a high standard deviation value for temperature was always present. The maximum deviation invariably occurred in the region of the largest gradient of the thermocline/halocline. Therefore, small variations in the depth of the isopleths resulted in relatively large variations in temperature and salinity values.

The vertical migration of the isotherms and isohalines from about 200 meters to below 1000 meters (and almost noticeable to about 3000 meters, although the data were almost too sparse to extrapolate conclusions to that depth) were fairly independent of the seasonal surface temperature and salinity variations. In particular, the variations of temperature and salinity depicted in figures 6 and 7 for the months of July, September and November 1971 and January 1972 show excursions of the isopleths of up to 250 meters. At first glance it might appear that these variations were due to transiting water masses through Ocean Station ECHO. However, the T-S diagrams for these four months, figures 8a through 8d, are nearly identical except for the expected variations in the surface levels. This would tend to discount intruding water masses and eddies. It

would appear that these variations might be a barotropic response.

## SUMMARY

The seasonal effects at Ocean Station ECHO were clearly visible only in the upper 100 meters. On some rare occasions, however, the turnover may have resulted in nearly isothermal conditions as deep as 300 meters.

The permanent thermocline-halocline may have had an annual cycle but one which was masked by a shorter period, possibly a barotropic response.

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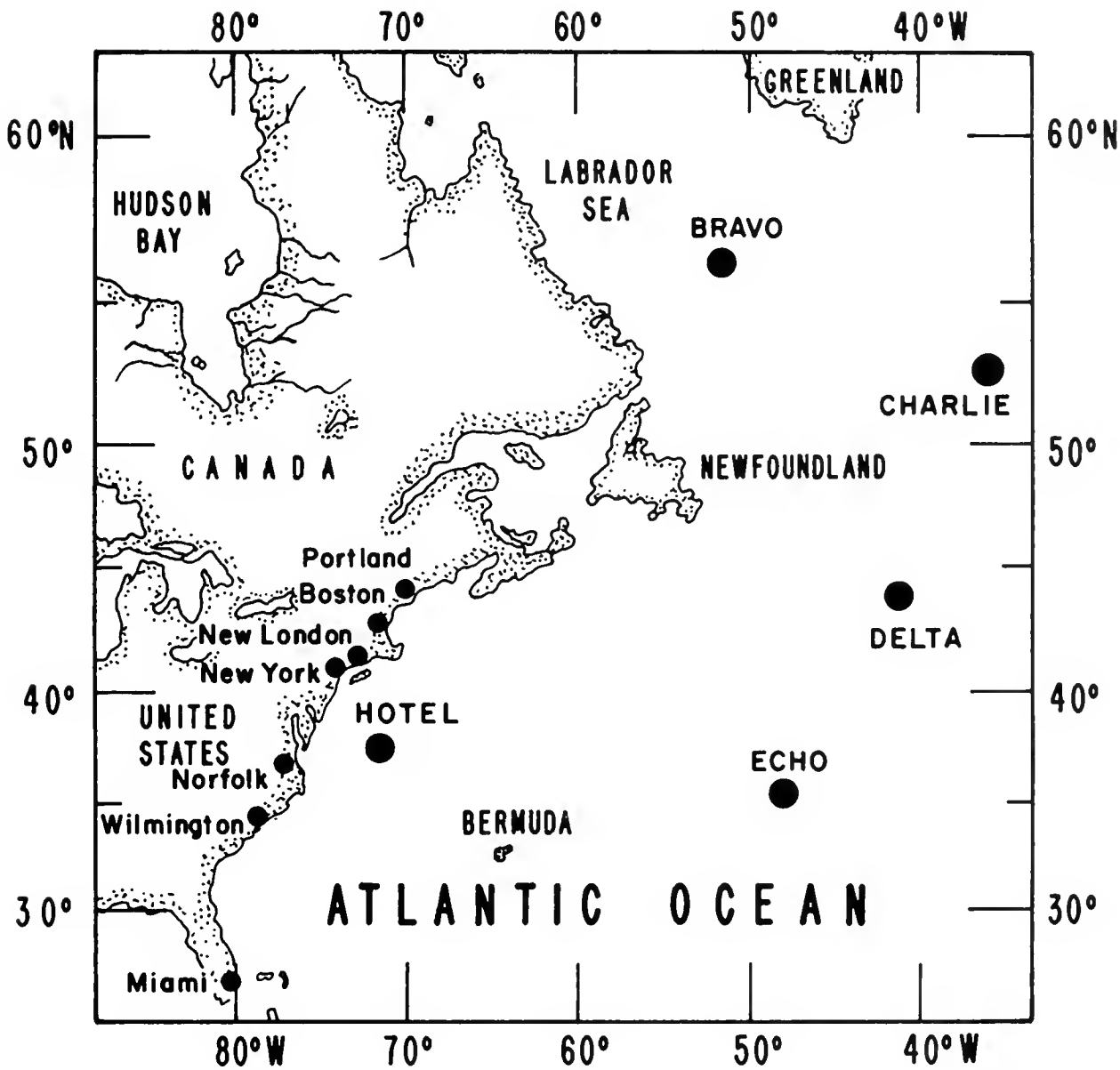


FIGURE 1.—Chart of North Atlantic Ocean Stations occupied by U.S. Coast Guard vessels.

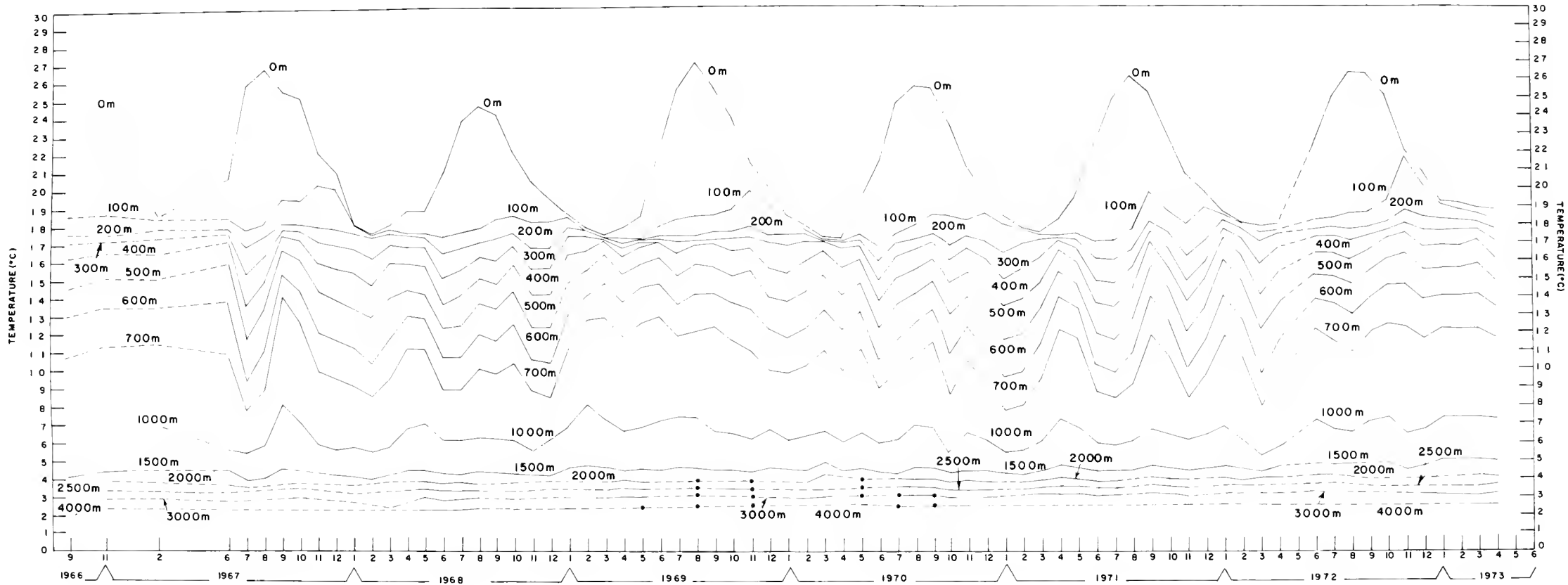


FIGURE 2.—Monthly averages of temperature ( $^{\circ}\text{C}$ ) versus time at selected depths at Ocean Station ECHO, September 1966–April 1973.

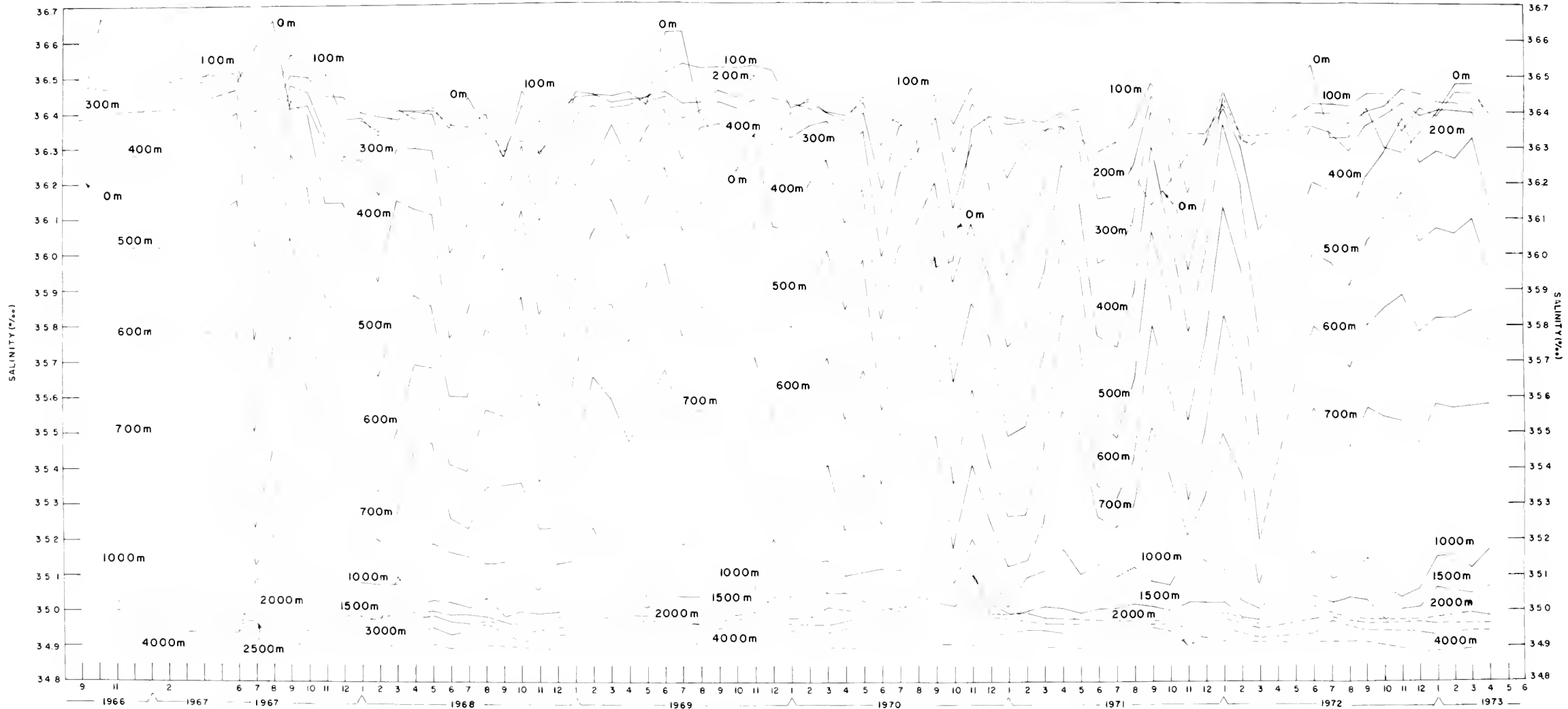


FIGURE 3.—Monthly averages of salinity (‰) versus time at selected depths at Ocean Station EC110, September 1966–April 1973.

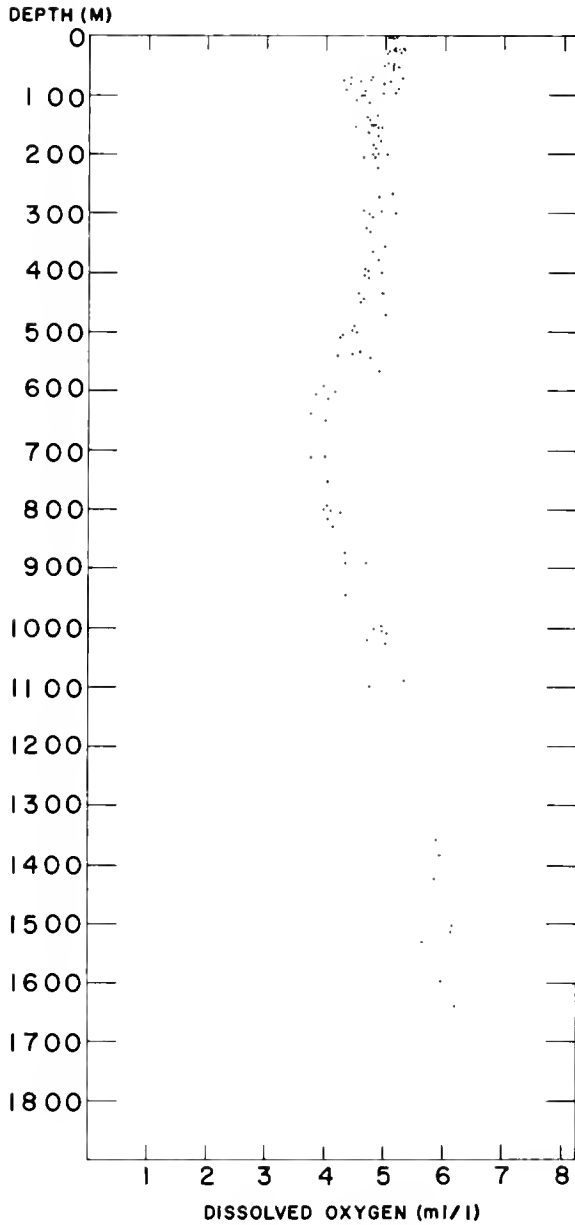


Figure 4a.—Vertical distribution of dissolved oxygen (ml/l) versus depth (m) at oceanographic stations taken by USCGC DUANE at Ocean Station ECHO, 14 November–7 December 1970.

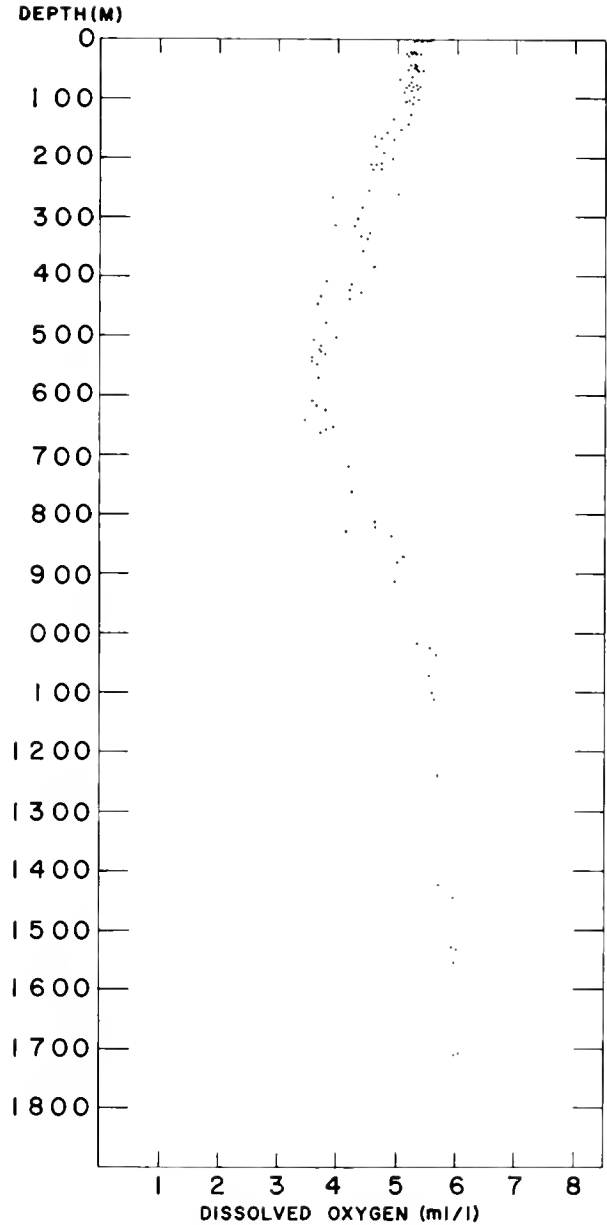


Figure 4b.—Vertical distribution of dissolved oxygen (ml/l) versus depth (m) at oceanographic stations taken by USCGC INGHAM at Ocean Station ECHO, 22 January–12 February 1971.

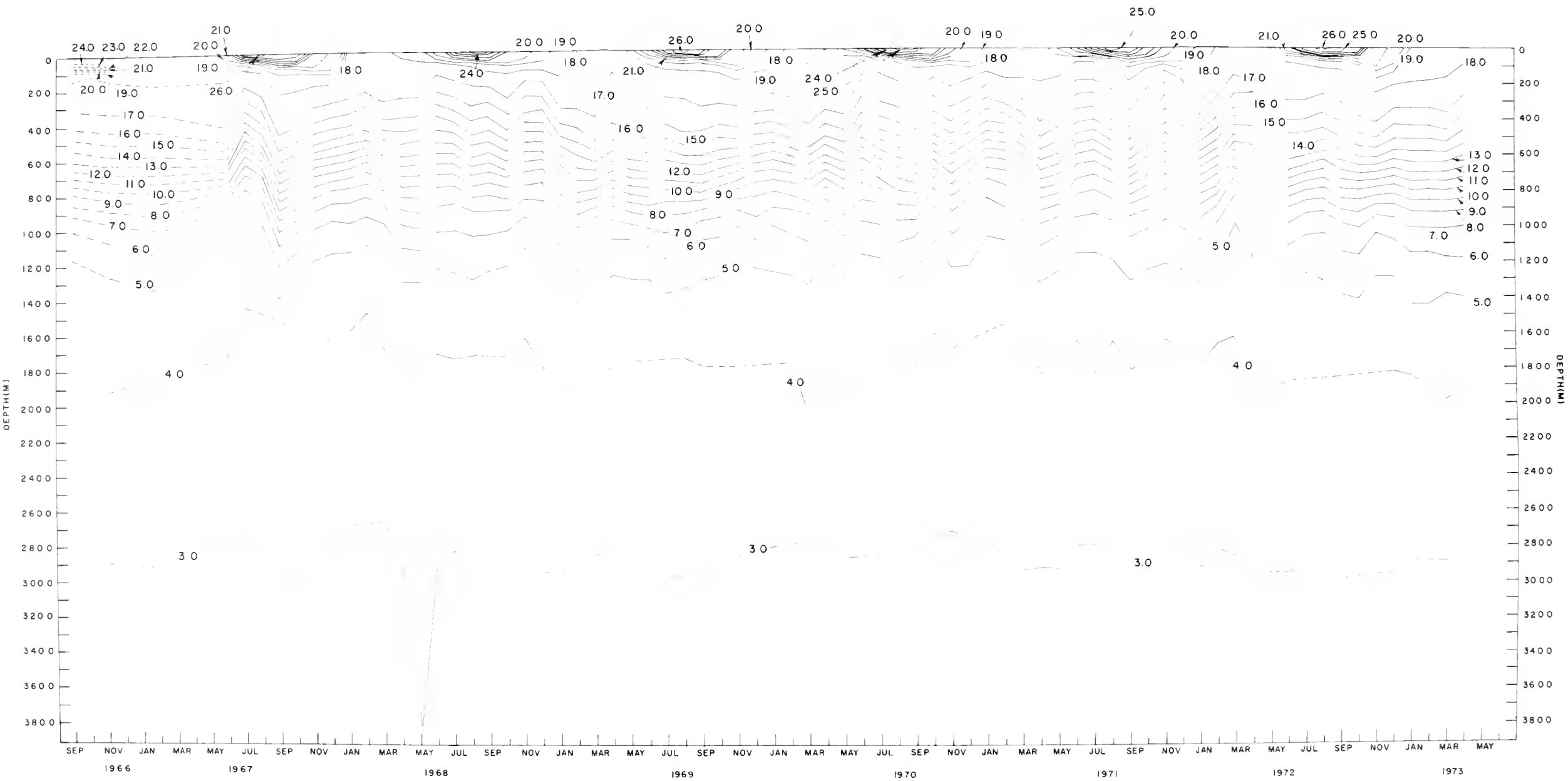
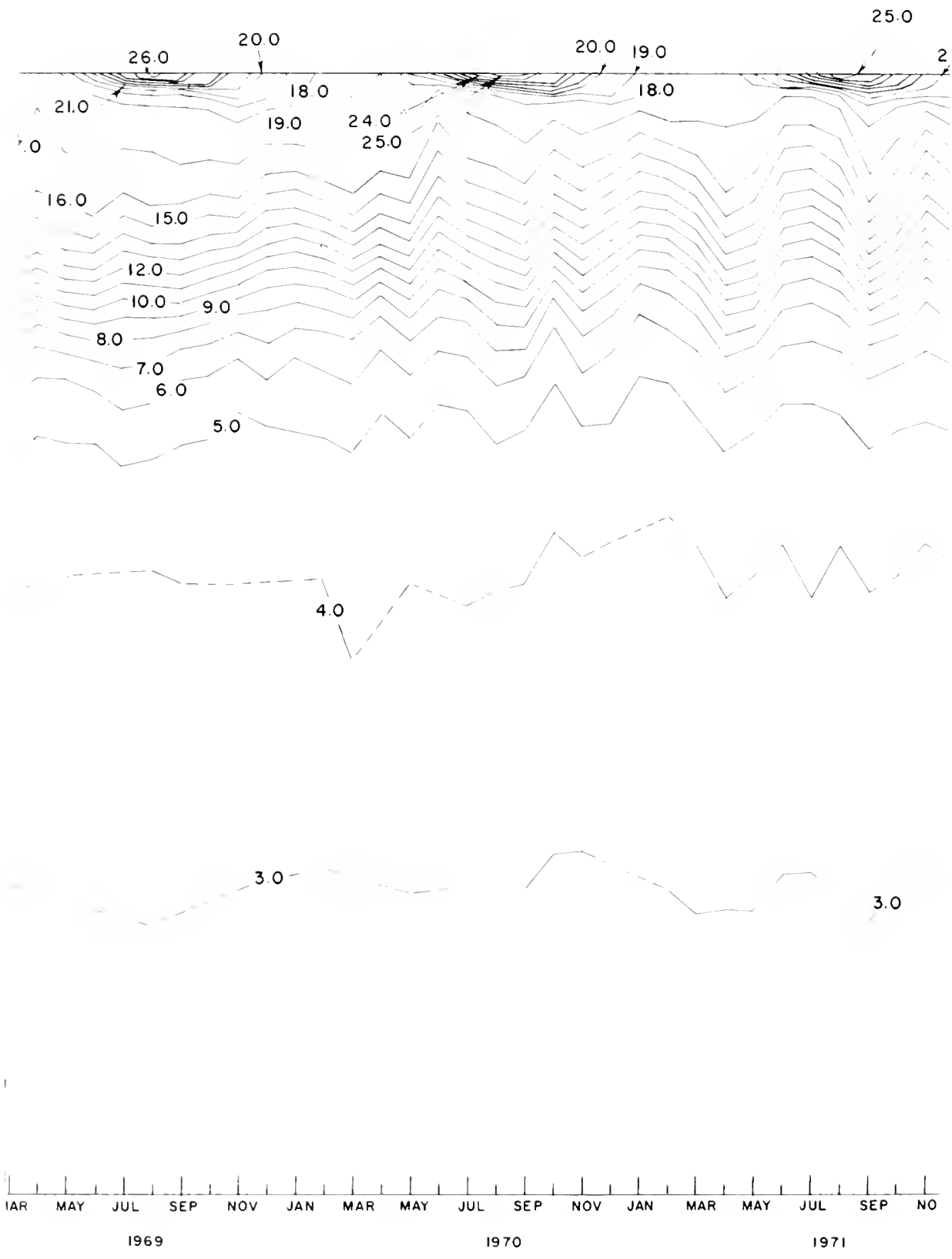


FIGURE 5.—Monthly average depth (m) of selected isotherms ( $^{\circ}$ C) versus time at Ocean Station ECHO, September 1966–April 1973.





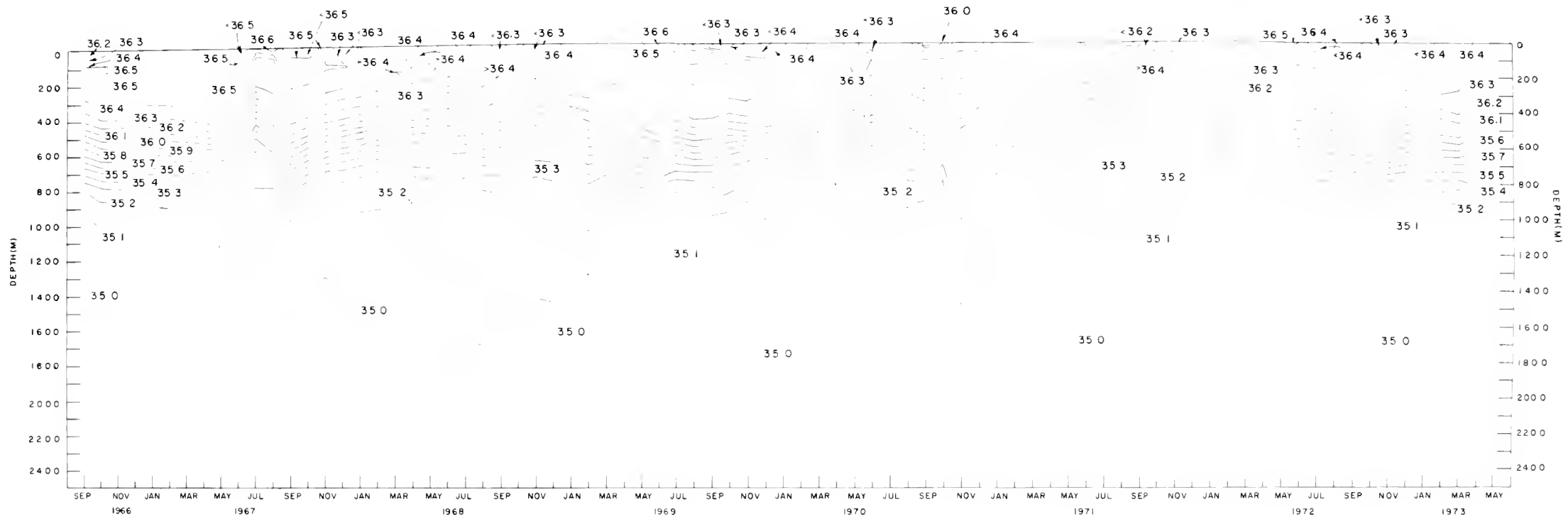
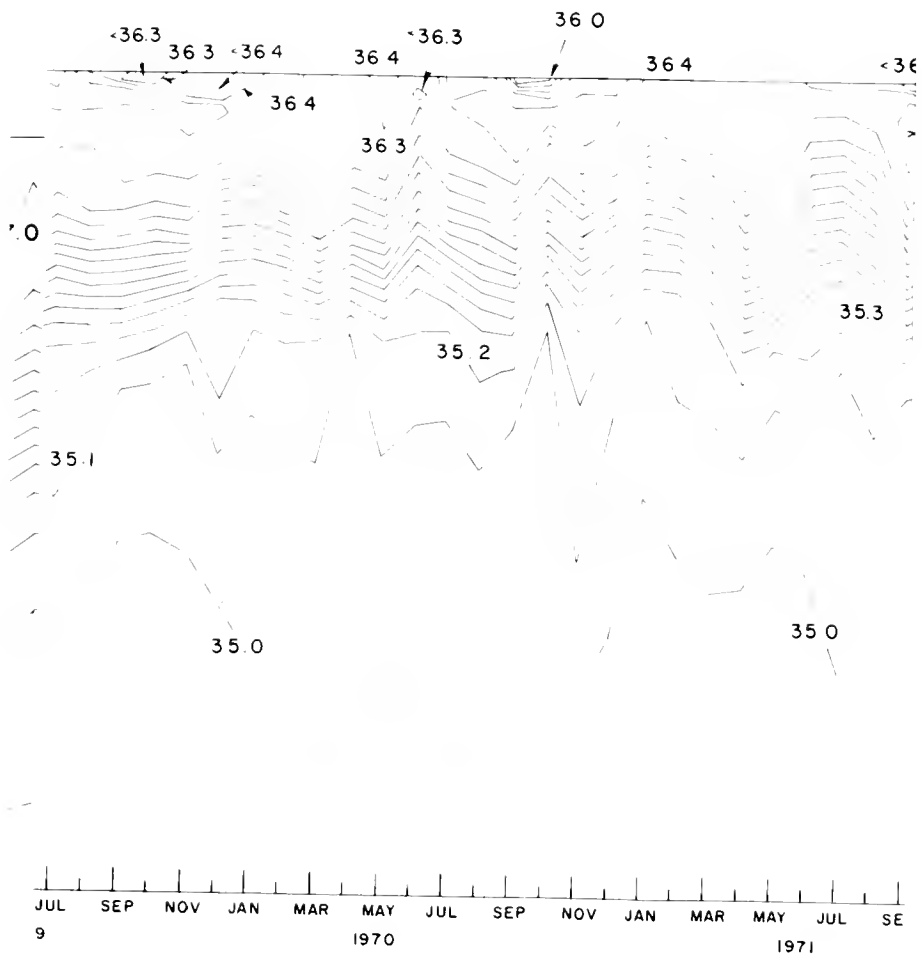


FIGURE 6.—Monthly average depth (m) of selected isohalines ( $\sigma_{\theta}$ ) versus time at Ocean Station ECHO, September 1966–April 1973



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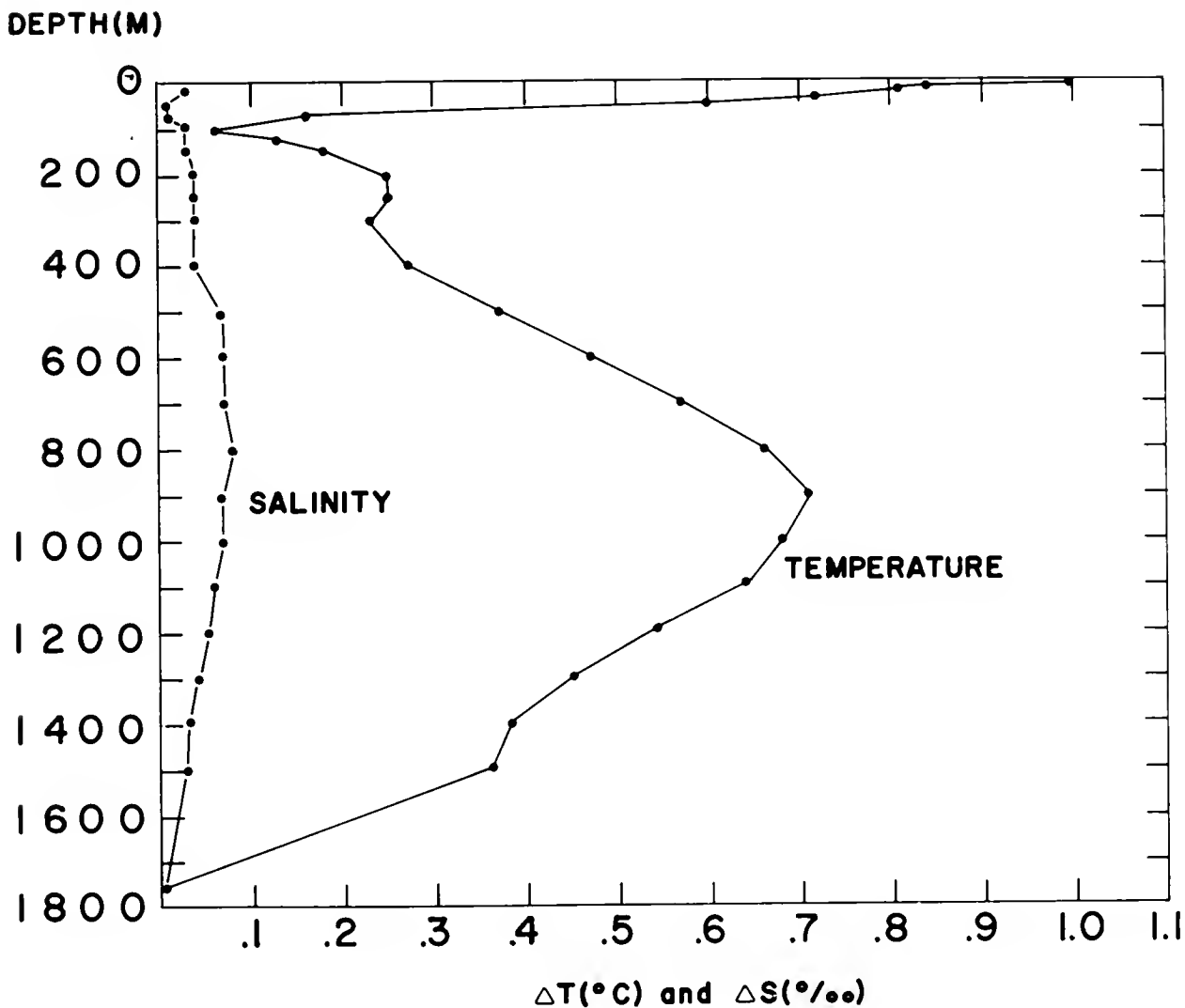


FIGURE 7.—Plot of the 1st standard deviation of the monthly average temperature ( $^{\circ}\text{C}$ ) and salinity ( $\text{‰}$ ) versus depth (m) at Ocean Station ECHO, July 1971.

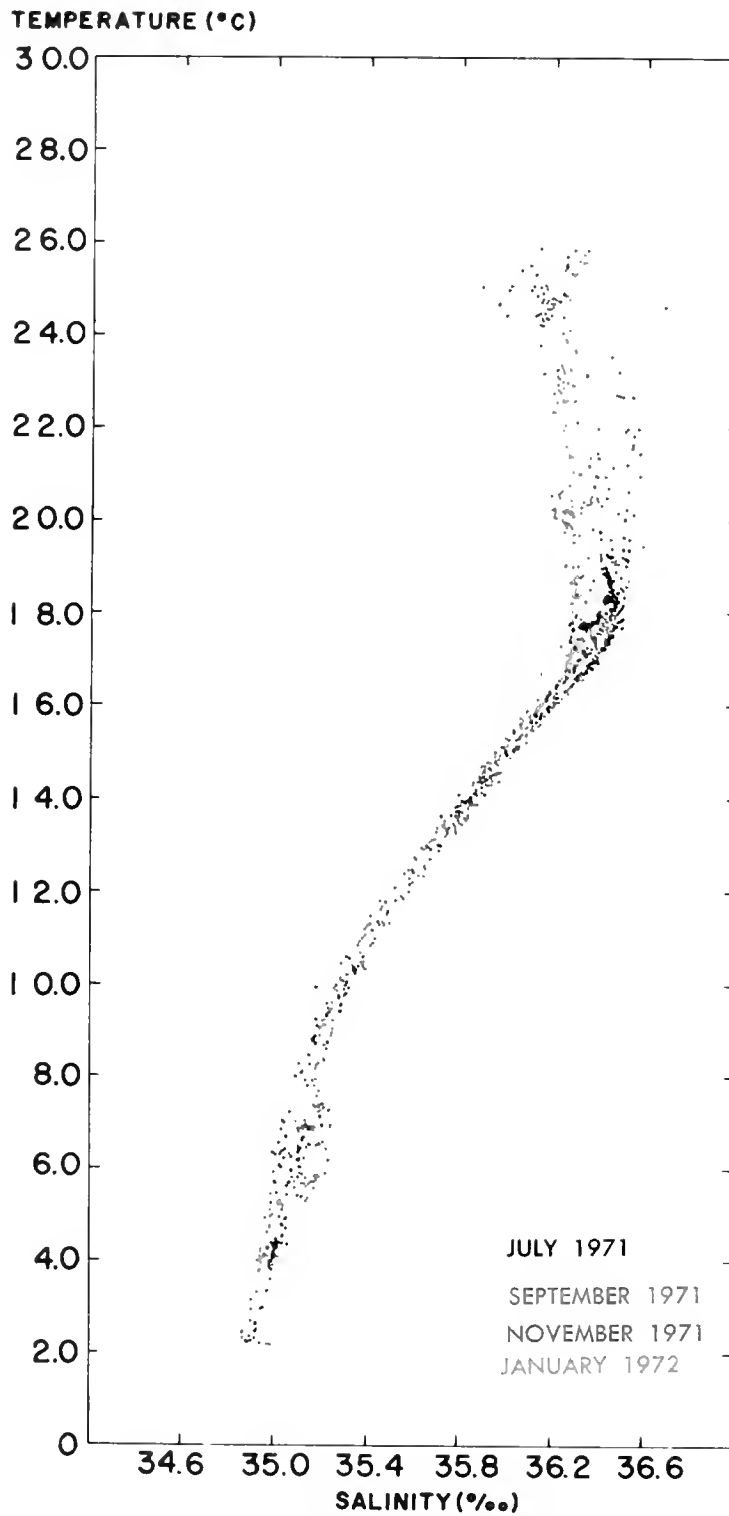


FIGURE 8.—T-S diagram for all observed values at Ocean Station ECHO during July, September, November 1971 and January 1972.

APPENDIX A  
OCEANOGRAPHIC DATA LISTINGS

TABLE

I.	USCGC HUMBOLDT, 22 December 1968 - 11 January 1969
II.	USCGC COOK INLET, 12 January 1969 - 6 February 1969
III.	USCGC ANDROSCOGGIN, 9 February 1969 - 2 March 1969
IV.	USCGC SHERMAN, 3 March 1969 - 26 March 1969
V.	USCGC YAKUTAT, 26 March 1969 - 18 April 1969
VI.	USCGC CHASE, 18 April 1969 - 11 May 1969
VII.	USCGC HUMBOLDT, 11 May 1969 - 3 June 1969
VIII.	USCGC ANDROSCOGGIN, 3 June 1969 - 26 June 1969
IX.	USCGC CAMPBELL, 26 June 1969 - 19 July 1969
X.	USCGC COOK INLET, 19 July 1969 - 10 August 1969
XI.	USCGC McCULLOCH, 11 August 1969 - 3 September 1969
XII.	USCGC BOUTWELL, 26 September 1969 - 19 October 1969
XIII.	USCGC ABSECON, 22 October 1969 - 11 November 1969
XIV.	USCGC ANDROSCOGGIN, 12 November 1969 - 3 December 1969
XV.	USCGC ESCANABA, 28 December 1969 - 19 January 1970
XVI.	USCGC GALLATIN, 20 January 1970 - 10 February 1970
XVII.	USCGC MENDOTA, 11 February 1970 - 6 March 1970
XVIII.	USCGC ESCANABA, 7 March 1970 - 24 March 1970
XIX.	USCGC ANDROSCOGGIN, 29 March 1970 - 1 May 1970
XX.	USCGC ESCANABA, 1 May 1970 - 31 May 1970
XXI.	USCGC BOUTWELL, 31 May 1970 - 29 June 1970
XXII.	USCGC DUANE, 30 June 1970 - 22 July 1970
XXIII.	USCGC ABSECON, 22 July 1970 - 14 August 1970
XXIV.	USCGC BIBB, 14 August 1970 - 6 September 1970
XXV.	USCGC ANDROSCOGGIN, 6 September 1970 - 29 September 1970
XXVI.	USCGC CHASE, 29 September 1970 - 22 October 1970
XXVII.	USCGC OWASCO, 22 October 1970 - 14 November 1970
XXVIII.	USCGC DUANE, 14 November 1970 - 7 December 1970
XXIX.	USCGC CHINCOTEAGUE, 7 December 1970 - 30 December 1970
XXX.	USCGC ESCANABA, 30 December 1970 - 22 January 1971
XXXI.	USCGC INGHAM, 22 January 1971 - 12 February 1971
XXXII.	USCGC DALLAS, 12 February 1971 - 7 March 1971
XXXIII.	USCGC MENDOTA, 7 March 1971 - 30 March 1971
XXXIV.	USCGC SEBAGO, 30 March 1971 - 22 April 1971
XXXV.	USCGC DALLAS, 22 April 1971 - 15 May 1971
XXXVI.	USCGC MENDOTA, 15 May 1971 - 7 June 1971
XXXVII.	USCGC BIBB, 7 June 1971 - 30 June 1971
XXXVIII.	USCGC ANDROSCOGGIN, 30 June 1971 - 24 July 1971
XXXIX.	USCGC SPENCER, 24 July 1971 - 17 August 1971

XL. USCGC SHERMAN, 17 August 1971 - 14 September 1971;  
 XLI. USCGC CHINCOTEAGUE, 14 September 1971 - 10 October 1971;  
 XLII. USCGC DUANE, 10 October 1971 - 5 November 1971;  
 XLIII. USCGC CHINCOTEAGUE, 5 November 1971 - 25 November 1971;  
 XLIV. USCGC McCULLOCH, 25 November 1971 - 17 December 1971;  
 XLV. USCGC SPENCER, 17 December 1971 - 10 January 1972;  
 XLVI. USCGC MORGENTHAU, 10 January 1972 - 5 February 1972;  
 XLVII. USCGC CHINCOTEAGUE, 5 February 1972 - 29 February 1972;  
 XLVIII. USCGC ESCANABA, 29 February 1972 - 25 March 1972;  
 XLIX. USCGC CAMPBELL, 25 March 1972 - 20 April 1972;  
 L. USCGC DALLAS, 20 April 1972 - 17 May 1972;  
 LI. USCGC SHERMAN, 17 May 1972 - 10 June 1972;  
 LII. USCGC BIBB, 10 June 1972 - 4 July 1972;  
 LIII. USCGC CHAUTAUQUA, 4 July 1972 - 30 July 1972;  
 LIV. USCGC GALLATIN, 30 July 1972 - 24 August 1972;  
 LV. USCGC BIBB, 24 August 1972 - 18 September 1972;  
 LVI. USCGC WINNEBAGO, 18 September 1972 - 8 October 1972;  
 LVII. USCGC ANDROSCOGGIN, 23 November 1972 - 16 December 1972;  
 LVIII. USCGC WINNEBAGO, 16 December 1972 - 7 January 1973;  
 LIX. USCGC CAMPBELL, 7 January 1973 - 29 January 1973;  
 LX. USCGC PONTCHARTRAIN, 29 January 1973 - 23 February 1973;  
 LXI. USCGC MENDOTA, 23 February 1973 - 18 March 1973;  
 LXII. USCGC GALLATIN, 18 March 1973 - 11 April 1973;  
 LXIII. USCGC BIBB, 11 April 1973 - 3 May 1973;  
 LXIV. USCGC ESCANABA, 3 May 1973 - 23 May 1973;  
 LXV. USCGC BOUTWELL, 23 May 1973 - 12 June 1973;  
 LXVI. USCGC INGHAM, 12 June 1973 - 30 June 1973;

OCEAN STATION ECHO DISESTABLISHED

## Codes Utilized

A complete description of the codes utilized in the tabulation of oceanographic station data can be found in National Oceanographic Data Center publication M-2, *Processing Physical and Chemical Data from Oceanographic Stations*. (Rev. August 1964, supplement issued May 1966.)

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

REFID	NODC reference identity number.
CONSEC	Consecutive station number.
BOTDP (B)	Uncorrected sounding depth in meters.
SHIP (B)	NODC assigned platform identity code.
DATA USE	Entry 1 identifies DNP data.
AREA	NODC ocean area code.
CLOUD T/A (B)	Cloud type according to WMO code 0500 and cloud amount according to WMO code 2700
Wave observations	
DIR	Direction from which dominant waves are coming in tens of degrees according to WMO code 0885.
HGT	Height of dominant waves according to WMO code 1555.
PER	Period of dominant waves according to WMO code 3155.
SEA (B)	Sea state according to WMO code 3700.
CL/TR (B)	Water color according to fore-Ule code. Transparency in meters as determined by Secchi disc.
WIND DIR (B)	Direction from which wind is blowing in tens of degrees according to WMO code 0877.
WIND SPD (B)	Wind speed in knots.
WIND FOR (B)	Wind force in beaufort code.
WEATHER (B)	Weather code—If preceded by letter X is according to WMO code 4501. A numeric two digit entry indicates weather according to WMO code 4677.
INST	Instrument used for observation—"Nansen Cast" indicates station consists of Nansen cast data—"STD Recorder" indicates station consists of STD data or a mixture of STD and Nansen cast data.
TRACE DIR (B)	"Trace" indicator U (UP), D (DOWN), and A (AVERAGED)—used with STD casts, and specify that data were taken while hoisting or lowering respectively or that the two traces were averaged
DURATION (B)	Time elapsed during raising or lowering of the STD recorder to tenths of hours.
ORIG (B)	Originator's reference number in two parts—cruise number or 3 characters (1 year of cruise forms part of cruise number years digits may sometimes only be found in "Year" field), and station number.
TEN SQ	Ten-degree square—modified Canadian square number
5 SQUARE	Five-degree squares—modified Canadian system.
2 SQUARE	Two-degree squares—modified Canadian system.
1 SQUARE	One-degree squares—modified Canadian system.
CASTNUM (B)	Number of cast on multicast stations (blank when messenger time is given).
TIME (B)	Time of release of messenger in hour and tenths for applicable observed levels. If multicast series extends past midnight, 24 hours are added to cast time of next day. Beginning time for STD is given at first obs depth.
LVLTYP	Type of record at depth indicated. "OBS"—observed values. For STD recorder = level of data read-out. "STD"—NODC standard interpolated values. "ORG"—Standard or other depths carrying non-NODC interpolated values. "LIT"—Interpolated standard depth values used as obs for computational purposes. Note—When an observed level coincides with a STD depth level, both "STD" and "OBS" lines will appear.
DEPTH	Depth of sample (or standard level) in whole meters. Prefix "T" indicates thermometrically determined depth (depth of unprotected thermometers). Subscript "Q" indicates that the value is marked doubtful by the originator. A value designated as implausible by NODC is marked with a "P". Postscript "Z" indicates uncorrected and inaccurate 'Wire-out' depths (high wire angle present).
TEMP (B)	Temperature in degrees celsius. For 'Q' and 'P' notation see depth field.
SAL (B)	Salinity in parts per thousand. For 'Q' and 'P' notation see depth field.
SIGMA-T (B)	Seawater density anomaly to 2 decimal places. When depth, temp, or salinity is doubtful, a 'Q' is suffixed. An asterisk indicates a decrease of 0.02 or more from the previous level.
DYNDPTH	Dynamic depth anomaly in dynamic meters to millimeters.
SND VEL (B)	Sound velocity in meters per second to decimeters according to Wilson's formula. (A standard depth-pressure term is used for stations not beginning at the surface).
OXYG (B)	Oxygen in ML/L to hundredths.

TABLE I. Observed and interpolated oceanographic data for stations taken by USCGC HUMBOLDT at Ocean Station ECHO, 22 December 1968 - 11 January 1969, prepared from NODC listing No. 31 - 1395.

REFID	31	1395	YEAR	1968	BOTOP	03110	AIR TEMP	17.1	DIR HGT PER	WIND-DIR	25	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0001	MONTH	12	SHIP HU		WET BULB	13.2	25 6 5	WIND-SPD	15	TRACE DIR		5 SQUARE	4
LAT	35	12	N	DAY	22	DATA USE	1	BAROMETR	0982.1	SEA		DURATION		2 SQUARE	48
LONG	048	05	W	HOUR	13.2	AREA	05	CLOUD T/A	9/3	CL/TR		WEATHER	X1	ORIG E21	001
														1 SQUARE	58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SID3	PH
13.2	085	00000	18.93	36.272	26.03		1520.7							
13.2	085	00025	18.93	36.276	26.03		1521.1							
13.2	085	00047	18.89	36.258	26.03		1521.3							
13.2	085	00073	18.88	36.266	26.04		1521.7							
13.2	085	00096	18.90	36.278	26.04		1522.2							
13.2	085	00145	17.58	36.394	26.46		1519.3							
13.2	085	T00194	17.03	36.346	26.56		1518.4							
13.2	085	00289	15.22	36.030	26.73		1514.1							
13.2	085	00384	14.20	35.870	26.83		1512.2							
13.2	085	00481	12.78	35.640	26.95		1508.8							
13.2	085	T00576	11.08	35.413	27.10		1504.2							
13.2	085	00776	07.74	35.142	27.44		1494.9							
13.2	085	T00976	06.25	35.166	27.67		1492.4							
13.2	085	T01501	04.14	34.974	27.77		1492.3							

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REFID	31	1395	YEAR	1968	BOTOP	04207	AIR TEMP	15.3	DIR HGT PER	WIND-DIR	32	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0002	MONTH	12	SHIP HU		WET BULB	14.7	32 9 3	WIND-SPD	20	TRACE DIR		5 SQUARE	4
LAT	35	05	N	DAY	24	DATA USE	1	BAROMETR	1004.7	SEA		DURATION		2 SQUARE	46
LONG	047	53	W	HOUR	16.2	AREA	05	CLOUD T/A	6/7	CL/TR		WEATHER	X1	ORIG E21	002
														1 SQUARE	57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SID3	PH
16.2	085	00000	19.45	36.392	25.99		1522.3							
16.2	085	00019	19.45	36.397	25.99		1522.6							
16.2	085	00040	19.42	36.401	26.00		1522.8							
16.2	085	00063	19.43	36.405	26.00		1523.3							
16.2	085	00085	19.45	36.401	25.99		1523.7							
16.2	085	00126	18.29	36.492	26.36		1521.2							
16.2	085	T00169	17.91	36.444	26.42		1520.7							
16.2	085	00255	17.55	36.439	26.50		1521.1							
16.2	085	T00343	16.42	36.238	26.62		1518.9							
16.2	085	00418	14.92	36.971	26.76		1515.2							
16.2	085	00500	13.05	35.623	26.88		1510.0							
16.2	085	00672	09.77	35.255	27.21		1500.9							
16.2	085	T00667	07.02	35.131	27.54		1493.6							
16.2	085	T01428	04.32	34.958	27.74		1491.8							

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REFID	31	1395	YEAR	1968	BOTOP	02644	AIR TEMP	18.8	DIR HGT PER	WIND-DIR	20	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0003	MONTH	12	SHIP HU		WET BULB	17.5	01 2 5	WIND-SPD	20	TRACE DIR		5 SQUARE	4
LAT	35	15	N	DAY	25	DATA USE	1	BAROMETR	1009.5	SEA		DURATION		2 SQUARE	46
LONG	047	42	W	HOUR	13.8	AREA	05	CLOUD T/A	6/7	CL/TR		WEATHER	X1	ORIG E21	003
														1 SQUARE	57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SID3	PH
13.8	085	00000	19.46	36.397	25.99		1522.3							
13.8	085	00026	19.45	36.399	25.99		1522.7							
13.8	085	00049	19.42	36.398	26.00		1523.0							
13.8	085	00073	19.43	36.400	26.00		1523.4							
13.8	085	00099	19.44	36.400	25.99		1523.9							
13.8	085	00146	18.03	36.456	26.40		1520.7							
13.8	085	T00196	17.58	36.432	26.49		1520.2							
13.8	085	00289	16.82	36.314	26.58		1519.3							
13.8	085	T00380	15.69	36.120	26.70		1517.2							
13.8	085	00471	14.31	35.879	26.82		1514.0							
13.8	085	T00555	12.71	35.645	26.97		1509.8							
13.8	085	00728	09.28	35.221	27.26		1500.0							
13.8	085	T00896	07.05	35.178	27.57		1494.2							
13.8	085	T01369	04.71	35.063	27.78		1492.6							

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TABLE I.—Continued

REFID 31 1395 YEAR 1968 BOTDP 04206 AIR TEMP 16.6 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 12 SHIP HU WET BULB 12.7 26 8 3 WIND-SPD 25 TRACE DIR 5 SQUARE 4  
 LAT 35 15 N DAY 27 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 48 W HOUR 11.8 AREA 05 CLOUD T/A 7/3 CL/TR WEATHER X1 ORIG E21 004 1 SQUARE 57

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	18.64	36.316	26.14		1519.9							
11.8	OBS	00023	18.64	36.316	26.14		1520.3							
11.8	OBS	00048	18.63	36.318	26.14		1520.7							
11.8	OBS	00068	18.63	36.318	26.14		1521.0							
11.8	OBS	00091	18.57	36.433	26.24		1521.3							
11.8	OBS	00134	17.91	36.465	26.45		1520.2							
11.8	OBS	T00177	17.78	36.477	26.47		1520.5							
11.8	OBS	00254	17.48	36.438	26.52		1520.9							
11.8	OBS	T00326	16.76	36.315	26.60		1519.8							
11.8	OBS	00401	15.38	36.053	26.72		1516.5							
11.8	OBS	T00471	14.28	35.876	26.82		1513.9							
11.8	OBS	00624		35.505										
11.8	OBS	00785	07.69	35.150	27.46		1494.8							
11.8	OBS	T01210	05.25	35.111	27.75		1492.2							

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REFID 31 1395 YEAR 1968 BOTDP 04178 AIR TEMP 20.0 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 12 SHIP HU WET BULB 19.4 31 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 28 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 19.4 AREA 05 CLOUD T/A 0/4 CL/TR WEATHER X1 ORIG E21 005 1 SQUARE 58

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
19.4	OBS	00000	18.70	36.309	26.12		1520.1							
19.4	OBS	00023	18.69	36.308	26.12		1520.4							
19.4	OBS	00048	18.66	36.309	26.13		1520.7							
19.4	OBS	00071	18.65	36.313	26.13		1521.1							
19.4	OBS	00095	18.09	36.443	26.47		1520.0							
19.4	OBS	00142	17.63	36.432	26.48		1519.9							
19.4	OBS	T00190	17.35	36.405	26.52		1519.4							
19.4	OBS	00282	16.62	36.394	26.69		1518.7							
19.4	OBS	T00369	15.35	36.038	26.71		1515.8							
19.4	OBS	00460	13.88	35.787	26.84		1512.3							
19.4	OBS	T00546	12.47	35.684	27.05		1508.4							
19.4	OBS	00718	09.07	35.184	27.27		1499.4							
19.4	OBS	T00893	06.62	35.090	27.56		1492.4							
19.4	OBS	T01384	04.50	35.021	27.77		1491.4							

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REFID 31 1395 YEAR 1968 BOTDP 04390 AIR TEMP 19.1 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 12 SHIP HU WET BULB 18.8 25 4 7 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 13.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E21 006 1 SQUARE 57

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.7	OBS	00000	18.86	36.388	26.13		1520.6							
13.7	OBS	00023	18.84	36.370	26.13		1520.9							
13.7	OBS	00046	18.79	36.371	26.14		1521.1							
13.7	OBS	00069		36.371										
13.7	OBS	00091	18.80	36.368	26.14		1521.9							
13.7	OBS	00137	17.46	36.474	26.43		1520.4							
13.7	OBS	T00183	17.68	36.459	26.45		1520.3							
13.7	OBS	00272	17.42	36.424	26.52		1521.0							
13.7	OBS	T00359	16.56	36.266	26.61		1519.6							
13.7	OBS	00451	15.21	36.013	26.72		1516.7							
13.7	OBS	T00540	13.60	35.764	26.88		1512.7							
13.7	OBS	00723	10.08	35.299	27.19		1502.9							
13.7	OBS	T00915	06.83	35.101	27.54		1493.6							
13.7	OBS	T01438	04.57	35.052	27.79		1493.2							
15.3	OBS	T02144	03.67	34.970	27.82		1501.2							
15.3	OBS	T02690	03.22	34.940	27.84		1508.6							
15.3	OBS	03239	02.76	34.925	27.87		1516.2							
15.3	OBS	T03784	02.36	34.893	27.88		1524.0							
15.3	OBS	04076	02.26	34.888	27.88		1528.7							
15.3	OBS	T04176	02.25	34.887	27.88		1530.4							

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TABLE I.—Continued

REFID 31 1395 YEAR 1968 BOTOP 04663 AIR TEMP 20.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 12 SHIP HU 1 WET BULB 19.4 25 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 30 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 37 W HOUR 20.8 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER XI ORIG E21 007 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
20.8	OBS	00000	18.60	36.282	26.12		1519.7							
20.8	OBS	00024	18.63	36.284	26.11		1520.2							
20.8	OBS	00045	18.58	36.284	26.13		1520.4							
20.8	OBS	00068	18.54	36.284	26.14		1520.7							
20.8	OBS	00088	18.54	36.281	26.13		1521.0							
20.8	OBS	00132	18.09	36.480	26.40		1520.7							
20.8	OBS	T00175	17.79	36.455	26.46		1520.5							
20.8	OBS	00253	16.91	36.311	26.50		1519.0							
20.8	OBS	T00328	15.84	36.125	26.67		1516.8							
20.8	OBS	00408	15.00	35.983	26.75		1515.3							
20.8	OBS	T00489	13.74	35.774	26.86		1512.3							
20.8	OBS	00641		35.453										
20.8	OBS	T00793	08.33	35.135	27.35		1497.4							
20.8	OBS	01197	05.22	35.145	27.79		1491.9							

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REFID 31 1395 YEAR 1968 BOTOP 01870 AIR TEMP 18.8 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 12 SHIP HU 1 WET BULB 18.3 28 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 15 N DAY 31 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 4/7 CL/TR WEATHER XI ORIG E21 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.54	36.271	26.13		1519.6							
11.9	OBS	00031	18.56	36.270	26.12		1520.1							
11.9	OBS	00061	18.51	36.277	26.14		1520.5							
11.9	OBS	00091	18.53	36.278	26.13		1521.0							
11.9	OBS	00122	17.59	36.363	26.43		1518.9							
11.9	OBS	00182	17.07	36.370	26.57		1518.4							
11.9	OBS	T00242	16.60	36.252	26.59		1517.8							
11.9	OBS	00364	15.17	36.008	26.73		1515.1							
11.9	OBS	T00485	13.48	35.721	26.87		1511.3							
11.9	OBS	00608	11.19											
11.9	OBS	T00727	08.77	35.140	27.28		1498.0							
11.9	OBS	00973	06.37	35.176	27.66		1492.8							
11.9	OBS	T01220	04.96	35.071	27.76		1491.1							
11.9	OBS	T01823	03.80	34.981	27.81		1496.3							

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REFID 31 1395 YEAR 1969 BOTOP 03699 AIR TEMP 18.3 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 01 SHIP HU 1 WET BULB 17.7 35 5 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 18.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER XI ORIG E21 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.9	OBS	00000	18.68	36.359	26.16		1520.1							
18.9	OBS	00027	18.67	36.358	26.16		1520.5							
18.9	OBS	00054	18.59	36.353	26.18		1520.7							
18.9	OBS	00081	18.56	36.357	26.19		1521.1							
18.9	OBS	00107	18.60	36.353	26.17		1521.6							
18.9	OBS	00162	17.90	36.459	26.43		1520.6							
18.9	OBS	00216	17.46	36.398	26.49		1520.1							
18.9	OBS	00323	15.96	36.147	26.66		1517.1							
18.9	OBS	T00431	14.37	35.873	26.80		1513.5							
18.9	OBS	00548	12.29	35.565	26.99		1508.2							
18.9	OBS	T00663	10.30	35.329	27.18		1502.8							
18.9	OBS	00889	06.90	35.144	27.57		1493.5							
18.9	OBS	T01115	05.21	35.083	27.74		1490.4							
18.9	OBS	T01678	03.91	34.971	27.79		1494.3							

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REFID 31 1395 YEAR 1969 BOTOP 01781 AIR TEMP 15.0 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 01 SHIP HU 1 WET BULB 14.4 35 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 02 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 13.0 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER XI ORIG E21 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	OBS	00000	18.75	36.495	26.17		1520.3							
13.0	OBS	00025	18.74	36.496	26.17		1520.7							
13.0	OBS	00051	18.74	36.397	26.17		1521.1							
13.0	OBS	00076	18.72	36.395	26.18		1521.5							
13.0	OBS	00102	18.34	36.477	26.33		1520.9							
13.0	OBS	00151	17.81	36.469	26.46		1520.2							
13.0	OBS	T00204	17.63	36.448	26.49		1520.5							
13.0	OBS	00303	16.69	36.280	26.55		1519.1							
13.0	OBS	T00406	15.00	35.992	26.75		1515.3							
13.0	OBS	00505	13.41	35.720	26.88		1511.4							
13.0	OBS	T00605	11.93	35.533	27.03		1507.8							
13.0	OBS	00806	08.16	35.158	27.35		1497.0							
13.0	OBS	T01001	05.74	35.048	27.64		1493.8							
13.0	OBS	T01507	04.15	34.976	27.77		1492.5							

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TABLE I.—Continued

REFID 31 1395 YEAR 1969 BOTDP 03720 AIR TEMP 18.3 DIR HGT PER WIND-OIR 27 INST NANSEN CAST TEN SQ 1200  
 CDNSEC 0011 MONTH 01 SHIP HU WET BULB 17.2 25 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 20 N DAY 03 DATA USE 1 BARMETR 1015.6 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 11.7 AREA 05 CLOUD T/A 4/5 CL/TR WEATHER XI ORIG E21 011 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.7	DBS	00000	18.86	36.399	26.14		1520.0							
11.7	DBS	00027	18.89	36.401	26.14		1521.1							
11.7	DBS	00052	18.82	36.400	26.15		1521.4							
11.7	DBS	00078	18.82	36.395	26.15		1521.8							
11.7	DBS	00104	18.82	36.399	26.15		1522.2							
11.7	DBS	00156	17.94	36.472	26.43		1520.6							
11.7	DBS	T00207	17.72	36.448	26.47		1520.8							
11.7	DBS	00308	17.48	36.430	26.51		1521.7							
11.7	DBS	T00409	16.43	36.237	26.62		1520.0							
11.7	DBS	00512	14.50	35.094	26.79		1515.3							
11.7	DBS	T00615	12.54	35.614	26.98		1510.2							
11.7	DBS	00826	08.48	35.178	27.36		1498.6							
11.7	DBS	T01038	06.04	35.094	27.64		1492.5							
11.7	DBS	T01574	04.20	34.996	27.78		1493.6							

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REFID 31 1395 YEAR 1969 BOTDP 02541 AIR TEMP 23.3 DIR HGT PER WIND-OIR 32 INST NANSEN CAST TEN SQ 1200  
 CDNSEC 0012 MONTH 01 SHIP HU WET BULB 22.2 31 2 6 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 04 DATA USE 1 BARMETR 1025.7 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 14.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER XI ORIG E21 012 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
14.0	DBS	00000	19.14	36.476	26.13		1521.5							
14.0	DBS	00025	19.12	36.471	26.13		1521.8							
14.0	DBS	00051	19.07	36.462	26.14		1522.1							
14.0	DBS	00076	18.85	36.435	26.17		1521.9							
14.0	DBS	00102	18.59	36.446	26.25		1521.6							
14.0	DBS	00152	17.91	36.472	26.44		1520.5							
14.0	DBS	00203	17.71	36.454	26.47		1520.7							
14.0	DBS	00305	17.29	36.390	26.53		1521.1							
14.0	DBS	T00405	16.15	36.187	26.64		1519.1							
14.0	DBS	00508	14.43	35.880	26.75		1515.0							
14.0	DBS	T00607	12.39	35.586	26.95		1509.5							
14.0	DBS	00812	08.40	35.180	27.37		1498.0							
14.0	DBS	T01020	06.03	35.095	27.64		1492.2							
14.0	DBS	T01533	04.23	34.986	27.77		1493.3							

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REFID 31 1395 YEAR 1969 BOTDP 03200 AIR TEMP 20.0 DIR HGT PER WIND-OIR 00 INST NANSEN CAST TEN SQ 1200  
 CDNSEC 0013 MONTH 01 SHIP HU WET BULB 18.3 28 2 4 WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 12 N DAY 05 DATA USE 1 BARMETR 1028.8 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 13.7 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER XI ORIG E21 013 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.7	DBS	00004	18.87	36.431	26.17		1520.8							
13.7	DBS	00030	18.86	36.427	26.16		1521.1							
13.7	DBS	00056	18.77	36.414	26.18		1521.3							
13.7	DBS	00081	18.72	36.393	26.17		1521.5							
13.7	DBS	00107	18.36	36.462	26.32		1521.0							
13.7	DBS	00158	17.92	36.449	26.42		1520.6							
13.7	DBS	00209	17.65	36.443	26.48		1520.6							
13.7	DBS	00313	17.22	36.365	26.53		1521.0							
13.7	DBS	T00415	15.98	36.156	26.66		1518.7							
13.7	DBS	00518	14.26	35.849	26.80		1514.6							
13.7	DBS	T00620	12.50	35.603	26.98		1510.1							
13.7	DBS	00828	07.81	35.126	27.42		1496.0							
13.7	DBS	T01041	06.13	35.101	27.64		1492.9							
13.7	DBS	T01553	04.35	35.015	27.78		1494.1							

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REFID 31 1395 YEAR 1969 BOTDP 03109 AIR TEMP 18.3 DIR HGT PER WIND-OIR 23 INST NANSEN CAST TEN SQ 1200  
 CDNSEC 0014 MONTH 01 SHIP HU WET BULB 17.7 24 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 17 N DAY 06 DATA USE 1 BARMETR 1025.1 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 2/8 CL/TR WEATHER XI ORIG E21 014 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	DBS	00000	19.14	36.474	26.13		1521.5							
12.1	DBS	00025	19.14	36.473	26.13		1521.9							
12.1	DBS	00050	19.12	36.466	26.13		1522.2							
12.1	DBS	00075	18.84	36.462	26.20		1521.9							
12.1	DBS	00099	18.45	36.461	26.29		1521.2							
12.1	DBS	00149	17.99	36.492	26.43		1520.7							
12.1	DBS	T00198	17.70	36.462	26.48		1520.6							
12.1	DBS	00295	17.28	36.310	26.47		1520.8							
12.1	DBS	T00388	16.17	36.185	26.64		1518.8							
12.1	DBS	00485	14.76	35.938	26.77		1515.7							
12.1	DBS	T00579	13.42	35.722	26.88		1512.7							
12.1	DBS	00769	09.17	35.209	27.27		1500.2							
12.1	DBS	T00950	06.61	35.079	27.56		1493.3							
12.1	DBS	T01455	04.40	34.980	27.75		1492.6							

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TABLE I.—(Continued)

REFID 31 1395 YEAR 1969 BOTDP 03475 AIR TEMP 20.0 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 01 SHIP HU WET BULB 20.0 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 15 N DAY 07 DATA USE 1 BAROMETR 1017.6 SEA WIND-FUR 2 DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 14.3 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E21 015 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
14.3	085	00000	19.03	36.456	26.14		1521.2							
14.3	085	00028	19.05	36.461	26.14		1521.7							
14.3	085	00055	19.01	36.462	26.15		1522.0							
14.3	085	00083	19.02	36.469	26.15		1522.5							
14.3	085	00110	18.54	36.462	26.27		1521.6							
14.3	085	00160	17.83	36.464	26.43		1520.5							
14.3	085	T00222	17.60	36.428	26.48		1520.7							
14.3	085	00331	16.93	36.303	26.55		1520.3							
14.3	085	T00438	15.42	36.026	26.65		1517.2							
14.3	085	00552	13.85	35.627	26.72		1513.5							
14.3	085	T00658	12.03	35.552	27.03		1504.1							
14.3	085	00883	07.71	35.111	27.42		1496.5							
14.3	085	T01109	05.76	35.086	27.67		1492.5							
14.3	085	T01671	04.28	35.000	27.78		1495.8							

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REFID 31 1395 YEAR 1969 BCTDP 04384 AIR TEMP 19.4 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 01 SHIP HU WET BULB 18.4 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 15 N DAY 08 DATA USE 1 BAROMETR 1008.5 SEA WIND-FUR 2 DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 14.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E21 016 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
14.1	085	00000	18.97	36.430	26.14		1521.0							
14.1	085	00022	18.97	36.426	26.14		1521.3							
14.1	085	00045	18.95	36.429	26.14		1521.6							
14.1	085	00069	18.97	36.430	26.14		1522.1							
14.1	085	00091	18.95	36.431	26.14		1522.4							
14.1	085	00136	18.36	36.472	26.33		1521.5							
14.1	085	T00162	17.85	36.456	26.44		1520.8							
14.1	085	00271	17.40	36.399	26.51		1520.9							
14.1	085	T00359	16.58	36.265	26.60		1519.7							
14.1	085	00446	15.08	35.986	26.73		1516.2							
14.1	085	T00537	13.91	35.810	26.85		1513.7							
14.1	085	00708		35.442										
14.1	085	T00878	08.12	35.137	27.38		1498.0							
14.1	085	T01340	05.13	35.078	27.74		1493.8							

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REFID 31 1395 YEAR 1969 BOTOP 04572 AIR TEMP 17.2 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 01 SHIP HU WET BULB 16.1 WIND-SPD 18 TRACE DIR 5 SQUARE 2  
 LAT 34 00 N DAY 10 DATA USE 1 BAROMETR 1013.2 SEA WIND-FUR 2 DURATION 2 SQUARE 48  
 LONG 049 08 W HOUR 21.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E21 017 1 SQUARE 49

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
21.4	085	00000	18.71	36.423	26.20		1520.2							
21.4	085	00023	18.72	36.422	26.20		1520.6							
21.4	085	00050	18.49	36.364	26.21		1520.4							
21.4	085	00076	18.45	36.357	26.22		1520.7							
21.4	085	00098	18.49	36.361	26.21		1521.1							
21.4	085	00146	17.85	36.473	26.45		1520.2							
21.4	085	T00193	17.59	36.445	26.50		1520.2							
21.4	085	00282	17.28	36.396	26.53		1520.7							
21.4	085	T00368	16.26	36.202	26.63		1518.8							
21.4	085	00453	15.04	35.987	26.74		1516.2							
21.4	085	T00530	13.56	35.740	26.87		1512.3							
21.4	085	00689		35.347										
21.4	085	T00844	07.45	35.108	27.46		1494.8							
21.4	085	T01268	04.84	35.034	27.74		1491.4							

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REFID 31 1395 YEAR 1969 BOTOP 04663 AIR TEMP 18.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 01 SHIP HU WET BULB 17.8 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 33 00 N DAY 11 DATA USE 1 BAROMETR 1019.6 SEA WIND-FUR 2 DURATION 2 SQUARE 28  
 LONG 048 00 W HOUR 11.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E21 018 1 SQUARE 36

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.5	085	00000	18.49	36.387	26.23		1519.6							
11.5	085	00027	18.49	36.387	26.23		1520.0							
11.5	085	00053	18.47	36.385	26.23		1520.4							
11.5	085	00080	18.42	36.384	26.24		1520.7							
11.5	085	00106	18.37	36.380	26.25		1520.9							
11.5	085	00160	18.13	36.482	26.39		1521.3							
11.5	085	T00215	17.74	36.443	26.46		1521.0							
11.5	085	00319	17.04	36.326	26.54		1520.5							
11.5	085	T00426	15.81	36.120	26.67		1518.3							
11.5	085	00533	14.00	35.811	26.83		1513.9							
11.5	085	T00640	11.98	35.538	27.03		1508.6							
11.5	085	00858	08.90	35.303	27.39		1500.8							
11.5	085	T01076	06.95	35.234	27.63		1496.9							
11.5	085	T01626	04.38	35.036	27.80		1495.5							

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TABLE II.--Observed and interpolated oceanographic data for stations taken by USCGC COOK INLET at Ocean Station ECHO, 12 January 1969 - 6 February 1969, prepared from NODC listing No. 31 - 8080.

REFID 31 8080	YEAR 1969	BOTOP 04206	AIR TEMP 20.3	DIR HGT PER	WIND-DIR 20	INST STO RECORDER	TEN SO 1206
CONSEC 0001	MONTH 01	SHIP CO	WET BULB 18.5	26 4 0	WIND-SPD 16	TRACE DIR 0	5 SQUARE 2
LAT 34 02 N	LAY 12	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.9	2 SQUARE 46
LONG 047 43 W	HR 17.7	AREA 05	CLGUD T/A	CL/TR	WEATHER X1	ORIG E22 G01	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.7	085	00000	18.84	36.458	26.19		1520.6							
	085	00010	18.79	36.458	26.21		1520.7							
	085	00020	18.72	36.448	26.22		1520.6							
	085	00030	18.69	36.440	26.22		1520.7							
	085	00050	18.59	36.436	26.24		1520.7							
	085	00075	18.57	36.437	26.25		1521.1							
	085	00100	18.57	36.440	26.25		1521.5							
	085	00125	18.56	36.453	26.26		1521.9							
	085	00150	18.30	36.538	26.35		1521.7							
	085	00200	17.91	36.518	26.47		1521.3							
	085	00250	17.66	36.488	26.51		1521.4							
	085	00300	17.36	36.438	26.55		1521.3							
	085	00354	16.95	36.358	26.59		1520.8							
	085	00400	16.03	36.188	26.67		1518.0							
	085	00500	14.68	35.918	26.77		1515.7							
	085	00600	13.03	35.728	26.97		1511.7							
	085	00700	11.45	35.513	27.11		1507.7							
	085	00800	09.79	35.373	27.30		1503.3							
	085	00900	08.37	35.268	27.45		1499.5							
	085	01000	07.71	35.303	27.58		1498.7							
	085	01100	06.72	35.228	27.66		1496.4							
	085	01176	05.99	35.156	27.70		1494.7							
	085	01200	05.99	35.168	27.71		1495.1							
	085	01300	05.33	35.113	27.75		1494.0							
	085	01400	05.00	35.083	27.76		1494.3							
	085	01500	04.60	35.038	27.77		1494.3							

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REFID 31 8080	YEAR 1969	BOTOP 04755	AIR TEMP 19.9	DIR HGT PER	WIND-DIR 21	INST STO RECORDER	TEN SO 1206
CONSEC 0002	MONTH 01	SHIP CO	WET BULB 18.1	26 3 3	WIND-SPD 17	TRACE DIR 0	5 SQUARE 2
LAT 34 48 N	DAY 13	DATA USE 1	BAROMETR	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 56 W	HR 00.0	AREA 05	CLGUD T/A	CL/TR	WEATHER X1	ORIG E22 002	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	085	00000	18.73	36.421	26.19		1520.3							
	085	00010	18.73	36.421	26.19		1520.4							
	085	00020	18.75	36.421	26.19		1520.7							
	085	00030	18.85	36.422	26.16		1521.1							
	085	00050	18.73	36.404	26.18		1521.1							
	085	00065	18.55	36.392	26.22		1520.8							
	085	00075	18.57	36.389	26.21		1521.0							
	085	00100	18.47	36.414	26.25		1521.2							
	085	00125	18.00	36.457	26.40		1520.3							
	085	00150	17.73	36.447	26.46		1519.9							
	085	00200	17.53	36.434	26.50		1520.1							
	085	00250	17.15	36.360	26.54		1519.7							
	085	00300	16.80	36.294	26.57		1519.4							
	085	00400	15.80	36.099	26.66		1517.8							
	085	00500	13.75	35.754	26.84		1512.5							
	085	00600	12.50	35.592	26.97		1509.8							
	085	00700	11.00	35.354	27.07		1505.9							
	085	00800	09.05	35.184	27.27		1500.3							
	085	00900	07.65	35.109	27.43		1496.5							
	085	01000	06.58	35.064	27.55		1494.0							
	085	01100	05.95	35.072	27.64		1493.1							
	085	01200	05.55	35.064	27.68		1493.2							
	085	01300	05.11	35.029	27.71		1493.0							
	085	01400	04.43	34.939	27.71		1491.8							
	085	01436	04.72	34.994	27.72		1493.7							
	085	01495	04.62	34.994	27.74		1494.2							

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TABLE II.—Continued

REF ID: 31 8080 YEAR 1969 BOTOP 03932 AIR TEMP 19.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 01 SHIP CO WET BULB 17.9 WIND-SPD 24 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 13 DATA USE 1 BAROMETR 1015.1 SEA WIND-FGR DURATION 00.4 2 SQUARE 46  
 LONG 047 54 W HOUR 05.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 003 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
05.5	08S	00000	18.37	36.347	26.23		1519.2							
	08S	00010	18.32	36.336	26.23		1519.2							
	08S	00020	18.31	36.333	26.23		1519.3							
	08S	00030	18.32	36.337	26.23		1519.5							
	08S	00050	18.37	36.409	26.28		1520.1							
	08S	00075	17.82	36.454	26.45		1518.9							
	08S	00100	17.57	36.442	26.50		1518.6							
	08S	00125	17.46	36.434	26.52		1518.7							
	08S	00150	17.42	36.429	26.53		1519.0							
	08S	00200	17.17	36.380	26.55		1514.0							
	08S	00250	16.92	36.335	26.57		1519.0							
	08S	00300	16.48	36.247	26.61		1518.4							
	08S	00400	15.35	36.050	26.72		1516.3							
	08S	00500	14.04	35.834	26.84		1513.5							
	08S	00600	12.53	35.616	26.98		1509.9							
	08S	00700	10.15	35.306	27.16		1502.8							
	08S	00780	09.19	35.248	27.30		1500.6							
	08S	00800	08.77	35.218	27.35		1499.3							
	08S	00900	07.43	35.136	27.48		1495.7							
	08S	01000	07.33	35.121	27.49		1497.0							
	08S	01100	05.86	35.134	27.70		1492.9							
	08S	01200	05.43	35.117	27.74		1492.8							
	08S	01300	05.07	35.108	27.77		1493.0							
	08S	01400	04.74	35.070	27.78		1493.2							
	08S	01490	04.44	35.053	27.90		1493.5							

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REF ID: 21 8080 YEAR 1969 BOTOP 01161 AIR TEMP 19.3 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 01 SHIP CC WET BULB 16.1 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 11 N DAY 14 DATA USE 1 BAROMETR 1010.0 SEA WIND-FGR DURATION 00.3 2 SQUARE 48  
 LONG 048 10 W HOUR 17.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 004 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
17.0	08S	00000	19.03	36.498	26.18		1521.2							
	08S	00010	19.02	36.504	26.16		1521.4							
	08S	00020	19.02	36.504	26.16		1521.5							
	08S	00030	19.00	36.504	26.19		1521.6							
	08S	00050	18.99	36.505	26.15		1521.9							
	08S	00075	18.98	36.505	26.15		1522.3							
	08S	00100	18.74	36.456	26.25		1521.0							
	08S	00125	18.04	36.514	26.44		1520.5							
	08S	00150	17.82	36.493	26.48		1520.2							
	08S	00200	17.61	36.474	26.51		1520.4							
	08S	00250	17.47	36.460	26.54		1520.8							
	08S	00300	17.19	36.410	26.57		1520.7							
	08S	00400	16.46	36.266	26.60		1520.0							
	08S	00500	14.74	35.949	26.77		1515.9							
	08S	00600	12.76	35.658	26.97		1510.7							
	08S	00700	10.93	35.399	27.12		1505.7							
	08S	00800	08.44	35.110	27.31		1497.9							
	08S	00900	07.19	35.128	27.51		1494.6							
	08S	01000	06.49	35.105	27.56		1493.7							
	08S	01054	06.08	35.128	27.66		1493.0							

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REF ID: 21 8080 YEAR 1969 BOTOP 04023 AIR TEMP WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 01 SHIP CO WET BULB DIR HGT PER WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 14 DATA USE 1 BAROMETR SEA WIND-FGR DURATION 00.5 2 SQUARE 46  
 LONG 047 44 W HOUR 23.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
23.4	08S	00000	18.93	36.470	26.18		1520.9							
	08S	00010	18.93	36.471	26.18		1521.1							
	08S	00020	18.93	36.471	26.18		1521.2							
	08S	00030	18.93	36.472	26.16		1521.4							
	08S	00050	18.93	36.473	26.18		1521.7							
	08S	00075	18.64	36.394	26.20		1521.2							
	08S	00100	18.64	36.395	26.20		1521.6							
	08S	00125	18.61	36.400	26.21		1522.0							
	08S	00150	18.51	36.445	26.26		1522.1							
	08S	00163	18.22	36.520	26.40		1521.6							
	08S	00200	17.89	36.472	26.44		1521.2							
	08S	00250	17.64	36.463	26.50		1521.3							
	08S	00300	17.43	36.428	26.52		1521.5							
	08S	00400	16.64	36.275	26.60		1520.6							
	08S	00500	15.54	35.990	26.63		1518.5							
	08S	00600	13.72	35.806	26.85		1514.1							
	08S	00700	11.86	35.532	27.05		1504.2							
	08S	00800	09.41	35.148	27.26		1503.7							
	08S	00885	08.84	35.102	27.32		1500.7							
	08S	00900	08.28	35.184	27.47		1499.7							
	08S	00946	07.60	35.136	27.46		1497.1							
	08S	01000	06.99	35.150	27.56		1495.7							
	08S	01100	06.09	35.122	27.66		1493.8							
	08S	01200	05.18	35.036	27.70		1491.6							
	08S	01300	05.35	35.120	27.75		1494.0							
	08S	01400	04.75	35.068	27.78		1493.3							
	08S	01500	04.46	35.040	27.79		1493.7							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 04114 AIR TEMP 17.3 DIF HGT PER WIND-OIR 23 INST STO RECORDER TEN SQ 1200  
 CONSEC 0006 MONTH 01 SHIP CG WET BULB 14.3 23 4 3 WIND-SPD 18 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 15 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HDUR 05.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 006 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
05.5	DBS	00000	18.87	36.446	26.18		1520.7							
	DBS	00010	18.87	36.447	26.18		1520.9							
	DBS	00020	18.87	36.447	26.18		1521.0							
	DBS	00030	18.87	36.448	26.18		1521.2							
	DBS	00050	18.88	36.449	26.18		1521.6							
	DBS	00075	18.88	36.451	26.18		1522.0							
	DBS	00100	18.86	36.462	26.19		1522.3							
	DBS	00125	18.12	36.474	26.35		1520.7							
	DBS	00150	17.86	36.463	26.44		1520.3							
	DBS	00200	17.67	36.447	26.48		1520.5							
	DBS	00250	17.56	36.438	26.50		1521.0							
	DBS	00300	17.32	36.384	26.52		1521.1							
	DBS	00400	16.42	36.210	26.60		1519.8							
	DBS	00500	14.67	35.897	26.75		1515.6							
	DBS	00600	13.15	35.701	26.92		1512.1							
	DBS	00700	11.37	35.389	27.03		1507.3							
	DBS	00800	09.31	35.245	27.26		1501.3							
	DBS	00900	07.97	35.161	27.42		1497.8							
	DBS	01000	06.84	35.107	27.55		1495.1							
	DBS	01100	06.08	35.131	27.67		1493.7							
	DBS	01200	05.56	35.106	27.71		1493.3							
	DBS	01300	04.92	35.031	27.73		1492.3							
	DBS	01330	04.81	35.007	27.72		1492.3							
	DBS	01340	05.04	35.076	27.75		1493.5							
	DBS	01370	04.74	35.036	27.75		1492.7							
	DBS	01400	04.79	35.062	27.77		1493.4							
	DBS	01500	04.52	35.018	27.77		1493.4							

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REFID 31 8080 YEAR 1969 BOTOP 03749 AIR TEMP 18.8 DIF HGT PER WIND-OIR 22 INST STO RECORDER TEN SQ 1200  
 CONSEC 0007 MONTH 01 SHIP CO WET BULB 17.0 22 4 3 WIND-SPD 22 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 15 DATA USE 1 BAROMETR 1005.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 01 W HDUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 007 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	DBS	00000	19.00	36.497	26.18		1521.1							
	DBS	00010	19.00	36.495	26.18		1521.3							
	DBS	00020	19.00	36.498	26.18		1521.5							
	DBS	00030	19.00	36.498	26.18		1521.6							
	DBS	00050	19.00	36.494	26.18		1521.9							
	DBS	00075	18.91	36.469	26.18		1522.1							
	DBS	00100	18.69	36.507	26.27		1521.9							
	DBS	00125	18.19	36.508	26.40		1520.9							
	DBS	00150	18.04	36.502	26.43		1520.9							
	DBS	00200	17.72	36.477	26.49		1520.7							
	DBS	00250	17.60	36.469	26.51		1521.2							
	DBS	00300	17.45	36.437	26.52		1521.5							
	DBS	00400	16.81	36.307	26.58		1521.1							
	DBS	00500	15.10	36.002	26.74		1517.1							
	DBS	00600	13.00	35.687	26.94		1511.6							
	DBS	00700	11.04	35.392	27.09		1506.1							
	DBS	00800	09.21	35.267	27.31		1501.0							
	DBS	00900	07.85	35.177	27.46		1497.4							
	DBS	01000	06.76	35.136	27.58		1494.8							
	DBS	01100	06.04	35.141	27.68		1493.6							
	DBS	01200	05.62	35.126	27.72		1493.6							
	DBS	01300	05.22	35.111	27.76		1493.6							
	DBS	01345	05.09	35.084	27.75		1493.8							
	DBS	01400	04.90	35.081	27.77		1493.9							
	DBS	01500	04.59	35.051	27.78		1494.3							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 03500 AIR TEMP DIP HGT PER WIND-DIR INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 01 SHIP CD WET BULB WIND-SPD TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 16 DATA USE 1 BARMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 47 W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E22 008 1 SQUARE 47

CASNLN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.4	085	00000	18.95	36.470	26.17		1521.0							
	085	00010	18.94	36.470	26.18		1521.1							
	085	00020	18.94	36.471	26.18		1521.3							
	085	00030	18.94	36.471	26.18		1521.4							
	085	00050	18.94	36.472	26.18		1521.8							
	085	00075	18.95	36.473	26.18		1522.2							
	085	00100	18.95	36.474	26.18		1522.6							
	085	00125	18.95	36.475	26.18		1523.0							
	085	00150	18.72	36.424	26.20		1522.7							
	085	00200	17.81	36.416	26.42		1520.9							
	085	00250	17.60	36.455	26.50		1521.2							
	085	00300	17.45	36.442	26.53		1521.5							
	085	00400	16.23	36.164	26.61		1519.2							
	085	00500	15.00	35.986	26.75		1516.8							
	085	00600	13.35	35.737	26.91		1512.8							
	085	00700	11.91	35.539	27.04		1509.3							
	085	00600	09.96	35.328	27.23		1503.8							
	085	00900	08.60	35.314	27.45		1500.4							
	085	01000	07.60	35.231	27.53		1498.2							
	085	01100	06.47	35.152	27.63		1495.3							
	085	01200	05.76	35.120	27.70		1494.1							
	085	01235	05.44	35.110	27.73		1493.4							
	085	01245	05.47	35.114	27.73		1493.7							
	085	01280	05.18	35.072	27.73		1493.0							
	085	01300	05.26	35.094	27.74		1493.7							
	085	01400	04.74	35.043	27.76		1493.2							
	085	01500	04.38	34.997	27.76		1493.3							

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REFID 31 8080 YEAR 1969 BOTOP 04297 AIR TEMP 16.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 01 SHIP CD WET BULB 13.1 23 5 2 WIND-SPD 27 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BARMETR 1028.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 52 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E22 009 1 SQUARE 57

CASNLN/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
05.9	085	00000	18.79	36.435	26.19		1520.5							
	085	00010	18.80	36.436	26.19		1520.7							
	085	00020	18.81	36.438	26.19		1520.9							
	085	00030	18.81	36.439	26.19		1521.0							
	085	00050	18.81	36.441	26.19		1521.3							
	085	00075	18.79	36.440	26.19		1521.7							
	085	00100	18.66	36.411	26.20		1521.7							
	085	00125	18.66	36.413	26.21		1522.1							
	085	00150	18.41	36.403	26.26		1521.8							
	085	00180	17.98	36.456	26.41		1521.1							
	085	00200	17.66	36.378	26.43		1520.4							
	085	00225	17.75	36.449	26.46		1521.2							
	085	00250	17.45	36.381	26.48		1520.6							
	085	00300	17.30	36.379	26.52		1521.0							
	085	00400	16.05	36.143	26.63		1518.6							
	085	00500	14.76	35.952	26.78		1516.0							
	085	00600	12.95	35.673	26.94		1511.4							
	085	00700	11.41	35.504	27.11		1507.6							
	085	00800	09.76	35.286	27.24		1503.0							
	085	00900	08.76	35.313	27.42		1501.0							
	085	00990	07.39	35.228	27.56		1497.2							
	085	01000	07.53	35.279	27.58		1498.0							
	085	01100	06.20	35.132	27.65		1494.2							
	085	01180	05.46	35.071	27.70		1492.5							
	085	01200	05.51	35.092	27.71		1493.1							
	085	01222	05.35	35.076	27.71		1492.8							
	085	01300	05.34	35.098	27.73		1494.1							
	085	01400	04.93	35.066	27.76		1494.0							
	085	01500	04.44	35.011	27.77		1493.6							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 8CTOP 04389 AIR TEMP 13.5 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 01 SHIP CD WET BULB 11.0 30 7 3 WIND-SFD 30 TRACE DIR D 5 SQUARE 4  
 LAT 35 06 N DAY 17 DATA USE 1 BAROMETR 0994.9 SEA WIND-FUF DURATION 00.4 2 SQUARE 48  
 LONG 046 02 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER XB CRIG E22 010 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIG3	PH
23.8	085	000.00	18.82	36.484	26.22		1520.6							
	085	000.10	18.81	36.487	26.22		1520.7							
	085	000.20	18.82	36.487	26.22		1520.9							
	085	000.30	18.83	36.489	26.22		1521.1							
	085	000.50	18.83	36.489	26.22		1521.5							
	085	000.75	18.84	36.489	26.22		1521.9							
	085	001.00	18.85	36.490	26.22		1522.3							
	085	001.25	18.46	36.499	26.32		1521.7							
	085	001.50	18.06	36.502	26.42		1520.9							
	085	002.00	17.75	36.481	26.46		1520.8							
	085	002.50	17.60	36.469	26.51		1521.2							
	085	003.00	17.44	36.439	26.53		1521.5							
	085	004.00	16.68	36.289	26.60		1520.7							
	085	005.00	14.98	35.969	26.74		1516.7							
	085	006.00	13.37	35.736	26.90		1512.9							
	085	007.00	11.36	35.459	27.08		1507.3							
	085	008.00	08.92	35.189	27.30		1499.8							
	085	009.00	07.47	35.114	27.46		1495.9							
	085	010.00	06.47	35.129	27.61		1493.6							
	085	011.00	05.90	35.135	27.65		1493.0							
	085	012.00	05.43	35.111	27.73		1492.8							
	085	013.00	05.09	35.079	27.75		1493.0							
	085	013.55	04.92	35.079	27.77		1493.2							
	085	013.69	04.97	35.074	27.76		1493.7							
	085	014.00	04.89	35.077	27.77		1493.9							
	085	015.00	04.62	35.029	27.76		1494.4							

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REFID 31 8080 YEAR 1969 8UTOP 04334 AIR TEMP 15.4 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 01 SHIP CD WET BULB 11.0 34 4 2 WIND-SFD 08 TRACE DIR D 5 SQUARE 4  
 LAT 35 02 N DAY 24 DATA USE 1 BAROMETR 1022.8 SEA WIND-FUF DURATION 00.3 2 SQUARE 48  
 LONG 047 55 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER XL CRIG E22 011 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIG3	PH
06.0	085	000.00	18.13	36.443	26.36		1518.6							
	085	000.10	18.13	36.443	26.36		1518.9							
	085	000.20	18.13	36.444	26.36		1518.7							
	085	000.30	18.13	36.444	26.36		1519.1							
	085	000.50	18.13	36.444	26.36		1519.4							
	085	000.75	18.13	36.445	26.36		1519.8							
	085	001.00	18.13	36.446	26.36		1520.2							
	085	001.25	18.13	36.446	26.36		1520.6							
	085	001.50	18.13	36.447	26.36		1521.1							
	085	002.00	17.84	36.488	26.47		1521.1							
	085	002.50	17.69	36.482	26.50		1521.5							
	085	003.00	17.60	36.477	26.52		1522.0							
	085	003.50	17.44	36.445	26.53		1522.3							
	085	004.00	16.91	36.328	26.57		1521.4							
	085	005.00	15.26	36.016	26.71		1517.7							
	085	006.00	13.16	35.729	26.94		1512.2							
	085	007.00	11.31	35.472	27.10		1507.2							
	085	008.00	08.87	35.209	27.32		1499.6							
	085	009.00	07.72	35.138	27.44		1496.9							
	085	009.10	07.20	35.118	27.50		1495.0							
	085	009.50	06.79	35.094	27.54		1494.0							
	085	009.80	06.78	35.179	27.61		1494.6							
	085	010.00	06.37	35.096	27.60		1493.2							
	085	011.00	05.48	35.086	27.71		1491.3							
	085	012.00	05.24	35.106	27.75		1492.0							
	085	013.00	04.95	35.076	27.76		1492.4							
	085	014.00	04.63	35.041	27.77		1492.8							
	085	015.00	04.41	35.014	27.77		1493.5							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 04389 AIR TEMP 15.4 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 01 SHIP CD WET BULB 12.9 05 4 4 WIND-SPD 23 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 24 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 07 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E22 012 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
23.7	08S	00300	18.13	36.481	26.35		1518.6							
	08S	00010	18.12	36.480	26.35		1518.8							
	08S	00020	18.11	36.477	26.39		1518.9							
	08S	00030	18.08	36.473	26.40		1519.0							
	08S	00050	17.99	36.458	26.41		1519.0							
	08S	00075	17.84	36.446	26.44		1519.0							
	08S	00100	17.84	36.449	26.44		1519.4							
	08S	00125	17.84	36.464	26.45		1519.8							
	08S	00150	17.84	36.466	26.45		1520.2							
	08S	00200	17.84	36.467	26.45		1521.1							
	08S	00250	17.62	36.483	26.52		1521.3							
	08S	00300	17.34	36.433	26.55		1521.2							
	08S	00400	16.39	36.250	26.64		1519.8							
	08S	00500	14.92	35.988	26.77		1516.6							
	08S	00600	12.89	35.699	26.97		1511.2							
	08S	00700	11.14	35.420	27.10		1506.5							
	08S	00800	08.99	35.222	27.31		1500.1							
	08S	00900	07.32	35.087	27.46		1495.2							
	08S	00950	06.76	35.119	27.57		1493.9							
	08S	00970	06.67	35.187	27.63		1494.0							
	08S	01000	06.34	35.126	27.63		1493.1							
	08S	01100	05.68	35.110	27.70		1492.1							
	08S	01200	05.17	35.081	27.74		1491.7							
	08S	01300	04.84	35.052	27.76		1492.0							
	08S	01400	04.53	35.024	27.77		1492.3							
	08S	01500	04.36	34.988	27.76		1493.2							

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REFID 31 8080 YEAR 1969 BOTOP 04572 AIR TEMP 14.5 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 01 SHIP CD WET BULB 11.6 03 5 3 WIND-SPO 24 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 10 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 013 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
06.0	08S	00000	17.72	36.394	26.43		1517.4							
	08S	00010	17.70	36.387	26.43		1517.4							
	08S	00020	17.70	36.387	26.43		1517.6							
	08S	00030	17.70	36.387	26.43		1517.8							
	08S	00050	17.70	36.387	26.43		1518.1							
	08S	00075	17.70	36.387	26.43		1518.5							
	08S	00100	17.70	36.389	26.43		1518.9							
	08S	00125	17.69	36.394	26.43		1519.3							
	08S	00150	17.69	36.435	26.46		1519.8							
	08S	00200	17.61	36.459	26.50		1520.4							
	08S	00250	17.44	36.440	26.53		1520.7							
	08S	00300	17.14	36.377	26.55		1520.5							
	08S	00400	16.01	36.167	26.66		1518.5							
	08S	00500	14.82	35.954	26.76		1516.2							
	08S	00600	12.58	35.604	26.96		1510.1							
	08S	00700	10.83	35.364	27.11		1505.3							
	08S	00800	08.88	35.203	27.32		1499.7							
	08S	00900	07.35	35.116	27.48		1495.4							
	08S	00920	07.04	35.074	27.49		1494.5							
	08S	00960	06.99	35.159	27.57		1495.0							
	08S	00980	06.53	35.064	27.55		1493.4							
	08S	01000	06.29	35.104	27.62		1492.9							
	08S	01058	06.28	35.120	27.63		1493.8							
	08S	01100	05.79	35.094	27.67		1492.5							
	08S	01200	05.36	35.074	27.71		1492.4							
	08S	01300	05.05	35.054	27.73		1492.8							
	08S	01400	04.68	35.016	27.75		1492.9							
	08S	01500	04.28	34.974	27.76		1492.9							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 04206 AIR TEMP 14.0 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 01 SHIP CO WET BULB 10.4 DIR S 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 25 DATA USE 1 BAROMETR SEA WIND-FUF DURATION 00.4 2 SQUARE 48  
 LONG 048 10 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 014 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	JAYG	P04	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	18.14	36.446	26.36		1518.6							
	OBS	00010	18.15	36.446	26.36		1518.6							
	OBS	00020	18.16	36.448	26.36		1519.0							
	OBS	00030	18.17	36.450	26.36		1519.4							
	OBS	00050	18.17	36.452	26.36		1519.5							
	OBS	00075	18.17	36.453	26.36		1520.0							
	OBS	00100	18.17	36.449	26.36		1520.4							
	OBS	00125	18.14	36.446	26.36		1520.7							
	OBS	00150	18.12	36.448	26.37		1521.0							
	OBS	00200	18.08	36.451	26.38		1521.7							
	OBS	00250	17.81	36.438	26.44		1521.8							
	OBS	00300	17.48	36.388	26.48		1521.6							
	OBS	00400	16.37	36.186	26.59		1519.7							
	OBS	00500	14.86	35.920	26.73		1516.3							
	OBS	00600	13.44	35.708	26.87		1513.1							
	OBS	00700	11.76	35.468	27.02		1508.7							
	OBS	00800	09.36	35.123	27.18		1501.4							
	OBS	00900	07.73	35.113	27.42		1496.9							
	OBS	00940	07.08	35.076	27.49		1495.0							
	OBS	00981	07.05	35.146	27.55		1495.6							
	OBS	01000	06.91	35.111	27.54		1495.3							
	OBS	01100	06.09	35.101	27.64		1493.7							
	OBS	01107	05.81	35.043	27.63		1492.7							
	OBS	01200	05.48	35.051	27.68		1492.9							
	OBS	01300	05.37	35.071	27.71		1494.1							
	OBS	01400	05.11	35.056	27.73		1494.7							
	OBS	01500	04.77	35.018	27.74		1495.0							

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REFID 31 8080 YEAR 1969 BOTOP 04297 AIR TEMP 15.3 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 01 SHIP CO WET BULB 10.5 DIR S 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 25 DATA USE 1 BAROMETR SEA WIND-FUF DURATION 00.4 2 SQUARE 48  
 LONG 048 12 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E22 014 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	JAYG	P04	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.96	36.458	26.42		1518.1							
	OBS	00010	17.96	36.459	26.42		1518.3							
	OBS	00020	17.93	36.459	26.42		1518.4							
	OBS	00030	17.90	36.459	26.43		1518.4							
	OBS	00050	17.89	36.459	26.43		1518.7							
	OBS	00075	17.87	36.459	26.44		1519.1							
	OBS	00100	17.87	36.459	26.44		1519.5							
	OBS	00125	17.87	36.459	26.44		1519.9							
	OBS	00150	17.87	36.460	26.44		1520.3							
	OBS	00200	17.82	36.469	26.44		1521.0							
	OBS	00250	17.60	36.470	26.51		1521.2							
	OBS	00300	17.41	36.438	26.54		1521.4							
	OBS	00400	16.67	36.257	26.57		1520.6							
	OBS	00500	15.01	35.999	26.76		1516.9							
	OBS	00600	13.07	35.707	26.94		1511.8							
	OBS	00700	10.92	35.395	27.12		1505.7							
	OBS	00800	09.57	35.187	27.19		1502.2							
	OBS	00900	07.42	35.099	27.46		1495.6							
	OBS	00979	06.84	35.156	27.58		1494.8							
	OBS	01000	06.05	35.127	27.59		1494.3							
	OBS	01100	05.66	35.078	27.68		1492.0							
	OBS	01200	05.25	35.089	27.74		1492.0							
	OBS	01300	05.03	35.079	27.76		1492.8							
	OBS	01400	04.69	35.047	27.77		1493.0							
	OBS	01500	04.52	35.025	27.77		1494.0							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 04480 AIP TEMP 15.2 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SW 1206  
 CONSEC 0016 MONTH 01 SHIP CO WET BULB 12.2 DIR 06 4 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 25 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 18 W HOUR 23.5 AREA 05 CLOUD T/A CL/T/A WEATHER X1 CRIG E2C U16 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PG4	TGT P	NO2	NO3	SI03	PH
23.5	08S	00000	17.60	36.366	26.43		1517.0							
	08S	00010	17.60	36.366	26.43		1517.1							
	08S	00020	17.60	36.366	26.43		1517.3							
	08S	00030	17.60	36.366	26.43		1517.5							
	08S	00050	17.60	36.366	26.43		1517.8							
	08S	00075	17.59	36.366	26.44		1518.2							
	08S	00100	17.59	36.366	26.44		1518.6							
	08S	00125	17.58	36.371	26.44		1519.0							
	08S	00150	17.58	36.376	26.45		1519.4							
	08S	00200	17.57	36.446	26.50		1520.3							
	08S	00250	17.44	36.439	26.53		1520.7							
	08S	00300	17.17	36.383	26.55		1520.6							
	08S	00400	16.33	36.193	26.61		1519.5							
	08S	00500	14.83	35.963	26.77		1516.2							
	08S	00600	12.44	35.640	27.02		1509.6							
	08S	00700	10.87	35.406	27.13		1505.5							
	08S	00800	09.09	35.209	27.25		1500.5							
	08S	00900	07.79	35.151	27.44		1497.1							
	08S	00950	06.64	35.062	27.54		1493.4							
	08S	01000	06.49	35.131	27.61		1493.7							
	08S	01010	06.47	35.153	27.63		1493.8							
	08S	01100	05.64	35.101	27.70		1491.9							
	08S	01200	05.29	35.083	27.71		1492.1							
	08S	01300	04.84	35.041	27.75		1491.9							
	08S	01400	04.59	35.006	27.75		1492.5							
	08S	01500	04.41	35.021	27.78		1493.5							

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REFID 31 8080 YEAR 1969 BOTOP C3658 AIP TEMP 15.1 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SW 1206  
 CONSEC 0017 MONTH 01 SHIP CG WET BULB 12.6 DIR 07 5 3 WIND-SPD 26 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 26 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 03 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E22 U17 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PG4	TGT P	NO2	NO3	SI03	PH
06.1	08S	00000	18.10	36.435	26.36		1518.5							
	08S	00010	18.10	36.435	26.36		1518.7							
	08S	00020	18.10	36.435	26.36		1518.8							
	08S	00030	18.10	36.433	26.36		1519.0							
	08S	00050	18.09	36.433	26.36		1519.3							
	08S	00075	18.08	36.428	26.36		1519.7							
	08S	00100	18.03	36.425	26.37		1519.9							
	08S	00125	17.85	36.386	26.39		1519.8							
	08S	00150	17.83	36.386	26.39		1520.1							
	08S	00200	17.78	36.389	26.41		1520.8							
	08S	00215	17.61	36.423	26.48		1520.6							
	08S	00250	17.50	36.400	26.48		1520.8							
	08S	00300	17.23	36.365	26.52		1520.8							
	08S	00400	16.23	36.176	26.62		1519.2							
	08S	00500	15.33	36.046	26.72		1517.9							
	08S	00600	13.53	35.751	26.88		1513.4							
	08S	00700	11.76	35.508	27.05		1508.6							
	08S	00800	10.02	35.308	27.21		1504.0							
	08S	00900	08.46	35.216	27.39		1499.8							
	08S	01000	07.73	35.246	27.53		1498.7							
	08S	01030	07.57	35.257	27.56		1498.6							
	08S	01100	06.28	35.110	27.62		1494.5							
	08S	01200	05.74	35.079	27.67		1494.0							
	08S	01300	05.35	35.070	27.71		1494.1							
	08S	01400	04.97	35.048	27.74		1494.2							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 03566 AIR TEMP 15.4 DIF HGT PER WIND-DIR 05 INST STD RECDR TEN SQ 1206  
 CONSEC 0018 MONTH 01 SHIP CC WET BULB 11.8 05 5 3 WIND-SPD 20 TRACE DIR G 5 SQUARE 2  
 LAT 34 55 N DAY 26 DATA USE 1 BAROMETR 1022.6 SEA WIND-FGR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TF WEATHER XL CRIG E22 018 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SI03	PH
12.0	OBS	00000	18.13	36.449	26.37		1518.6							
	OBS	00010	18.14	36.467	26.38		1518.8							
	OBS	00020	18.14	36.469	26.38		1519.0							
	OBS	00030	18.14	36.472	26.38		1519.2							
	OBS	00050	18.14	36.476	26.38		1519.5							
	OBS	00075	18.14	36.477	26.39		1519.9							
	OBS	00100	18.15	36.478	26.38		1520.3							
	OBS	00125	18.15	36.481	26.39		1520.7							
	OBS	00150	18.16	36.489	26.39		1521.2							
	OBS	00200	17.90	36.455	26.43		1521.2							
	OBS	00500	17.68	36.449	26.48		1521.4							
	OBS	00550	17.38	36.392	26.51		1521.5							
	OBS	00400	16.29	36.185	26.61		1519.4							
	OBS	00500	14.83	35.967	26.77		1516.2							
	OBS	00600	12.85	35.662	26.97		1511.1							
	OBS	00700	11.32	35.469	27.10		1507.2							
	OBS	00800	09.24	35.269	27.31		1501.1							
	OBS	00850	08.46	35.279	27.44		1499.0							
	OBS	00900	08.23	35.269	27.47		1499.0							
	OBS	01000	06.92	35.151	27.57		1495.4							
	OBS	01100	06.13	35.136	27.66		1493.9							
	OBS	01200	05.71	35.120	27.71		1493.9							
	OBS	01300	05.32	35.094	27.73		1494.0							
	OBS	01400	05.10	35.082	27.75		1494.7							
	OBS	01500	04.79	35.059	27.77		1495.1							

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REFID 31 8080 YEAR 1969 BOTOP 04663 AIR TEMP 15.6 DIF HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 01 SHIP CC WET BULB 12.0 05 5 4 WIND-SPD 20 TRACE DIR G 5 SQUARE 2  
 LAT 34 55 N DAY 26 DATA USE 1 BAROMETR 1022.5 SEA WIND-FGR DURATION 00.4 2 SQUARE 48  
 LONG 048 08 W HOUR 21.4 AREA 05 CLOUD T/A 6/6 CL/TF WEATHER XL CRIG E22 014 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SI03	PH
21.4	OBS	00000	17.75	36.428	26.43		1517.6							
21.4	OBS	00026	17.77	36.423	26.44		1518.0							
21.4	OBS	00052	17.77	36.425	26.44		1518.4							
21.4	OBS	00078	17.80	36.432	26.44		1518.7							
21.4	OBS	00104	17.80	36.428	26.43		1519.2							
21.4	OBS	00156	17.80	36.434	26.44		1520.2							
21.4	OBS	00209	17.71	36.470	26.45		1520.8							
21.4	OBS	00313	17.30	36.414	26.54		1521.3							
21.4	OBS	T00418	16.07	36.174	26.65		1519.0							
21.4	OBS	T00524	14.37	35.872	26.80		1515.1							
21.4	OBS	00635	12.44	35.552	26.95		1510.1							
21.4	OBS	00854	08.34	35.191	27.35		1496.5							
21.4	OBS	01076	05.89	35.074	27.64		1492.0							
21.4	OBS	T01627	04.07	34.958	27.77		1494.1							

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REFID 31 8080 YEAR 1969 BOTOP 04407 AIR TEMP 16.5 DIF HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 01 SHIP CC WET BULB 12.6 09 4 3 WIND-SPD 18 TRACE DIR G 5 SQUARE 4  
 LAT 35 09 N DAY 27 DATA USE 1 BAROMETR 1021.9 SEA WIND-FGR DURATION 00.4 2 SQUARE 48  
 LONG 048 18 W HOUR 13.7 AREA 05 CLOUD T/A 6/6 CL/TF WEATHER XS CRIG E22 020 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SI03	PH
13.7	OBS	00000	18.00	36.386	26.35		1516.2							
13.7	OBS	00025	17.98	36.377	26.35		1516.5							
13.7	OBS	00051	17.92	36.358	26.35		1516.7							
13.7	OBS	00077	17.90	36.384	26.37		1517.1							
13.7	OBS	00102	17.87	36.390	26.39		1517.5							
13.7	OBS	00155	17.89	36.392	26.38		1520.4							
13.7	OBS	00207	17.79	36.455	26.46		1521.0							
13.7	OBS	00312	17.36	36.410	26.53		1521.4							
13.7	OBS	T00416	16.01	36.154	26.65		1518.5							
13.7	OBS	T00519	14.46	35.841	26.75		1515.3							
13.7	OBS	00629	12.76	35.629	26.95		1511.2							
13.7	OBS	00843	08.88	35.198	27.31		1500.4							
13.7	OBS	01059	06.28	35.083	27.60		1492.8							
13.7	OBS	T01608	04.34	35.003	27.77		1495.0							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 04534 AIR TEMP 15.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0021 MONTH 01 SHIP CO WET BULB 13.3 J5 4 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 28 DATA USE 1 BAROMETR 1024.6 SEA WIND-FUR 0 DURATION 2 SQUARE 4R  
 LONG 048 04 W HOUR 12.8 AREA 05 CLOUD T/A 8/7 CL/TR WEA THER X1 ORIG E22 021 1 SQUARE 4R

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.8	085	00000	18.13	36.461	26.38		1518.6							
12.8	085	00027	18.11	36.461	26.38		1519.0							
12.8	085	00053	18.13	36.457	26.37		1519.5							
12.8	085	00079	18.14	36.455	26.37		1517.9							
12.8	085	00105	18.13	36.463	26.38		1520.3							
12.8	085	00158	18.14	36.462	26.37		1521.2							
12.8	085	T00211	17.94	36.460	26.42		1521.5							
12.8	085	00313	17.48	36.432	26.51		1521.8							
12.8	085	T00416	16.43	36.233	26.61		1520.2							
12.8	085	T00520	14.60	35.971	26.78		1516.5							
12.8	085	00623	13.24	35.750	26.94		1512.8							
12.8	085	00833	09.54	35.285	27.27		1502.8							
12.8	085	01041	07.06	35.195	27.59		1496.7							
12.8	085	T01572	04.70	35.052	27.77		1495.9							

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REFID 31 8080 YEAR 1969 BOTOP 03840 AIR TEMP 17.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0022 MONTH 01 SHIP CO WET BULB 14.3 J5 3 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 29 DATA USE 1 BAROMETR 1022.0 SEA WIND-FUR 0 DURATION 2 SQUARE 4R  
 LONG 048 06 W HOUR 12.9 AREA 05 CLOUD T/A 8/4 CL/TR WEA THER X1 ORIG E22 022 1 SQUARE 5R

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.9	085	00000	18.06	36.464	26.40		1518.4							
12.9	085	00025	18.03	36.458	26.40		1518.7							
12.9	085	00051	18.04	36.464	26.40		1519.2							
12.9	085	00076	18.04	36.464	26.40		1519.6							
12.9	085	00102	18.04	36.463	26.40		1520.0							
12.9	085	00152	18.01	36.464	26.41		1520.8							
12.9	085	T00202	17.91	36.463	26.43		1521.3							
12.9	085	00304	17.51	36.427	26.50		1521.8							
12.9	085	T00406	16.62	36.239	26.57		1520.6							
12.9	085	T00502	15.23	36.044	26.74		1517.6							
12.9	085	00605	13.42	35.759	26.91		1513.1							
12.9	085	T00806	09.47	35.313	27.22		1503.9							
12.9	085	T01009	07.40	35.229	27.56		1497.5							
12.9	085	T01520	04.71	35.052	27.77		1495.1							

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REFID 31 8080 YEAR 1969 BOTOP 03968 AIR TEMP 15.5 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0023 MONTH 01 SHIP CO WET BULB 13.1 J6 3 4 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 30 DATA USE 1 BAROMETR 1018.6 SEA WIND-FUR 0 DURATION 2 SQUARE 4R  
 LONG 048 11 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEA THER X1 ORIG E22 023 1 SQUARE 5R

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.3	085	00000	18.01	36.423	26.36		1518.6							
12.3	085	00025	17.99	36.422	26.38		1518.6							
12.3	085	00051	18.00	36.433	26.35		1519.0							
12.3	085	00076	18.00	36.427	26.35		1519.4							
12.3	085	00102	17.99	36.414	26.37		1519.8							
12.3	085	00152	17.96	36.438	26.40		1520.6							
12.3	085	00203	17.83	36.455	26.45		1521.1							
12.3	085	00305	17.40	36.404	26.51		1521.4							
12.3	085	T00405	16.61	36.267	26.60		1520.6							
12.3	085	T00502	15.17	36.028	26.74		1517.4							
12.3	085	00608	13.52	35.767	26.90		1513.5							
12.3	085	00811	09.91	35.317	27.23		1503.8							
12.3	085	01014	07.32	35.223	27.57		1497.3							
12.3	085	T01521	04.62	35.012	27.75		1494.7							

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REFID 31 8080 YEAR 1969 BOTOP 02944 AIR TEMP 16.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0024 MONTH 01 SHIP CO WET BULB 12.6 J7 3 4 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1015.1 SEA WIND-FUR 0 DURATION 2 SQUARE 4R  
 LONG 048 04 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEA THER X1 ORIG E22 024 1 SQUARE 5R

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.8	085	00000	17.75	36.407	26.43		1517.5							
12.8	085	00024	17.74	36.406	26.43		1517.8							
12.8	085	00050	17.72	36.400	26.43		1518.2							
12.8	085	00075	17.74	36.402	26.43		1518.6							
12.8	085	00100	17.74	36.407	26.43		1519.1							
12.8	085	00149	17.77	36.407	26.42		1520.0							
12.8	085	T00200	17.78	36.406	26.42		1520.8							
12.8	085	00298	17.44	36.421	26.52		1521.5							
12.8	085	T00398	16.64	36.268	26.54		1520.5							
12.8	085	T00489	15.11	36.001	26.74		1517.0							
12.8	085	00590	13.31	35.721	26.91		1512.5							
12.8	085	00784	10.88	35.400	27.13		1506.9							
12.8	085	00979	07.29	35.096	27.47		1496.4							
12.8	085	01471	04.85	35.011	27.72		1494.8							

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TABLE II.—Continued

REFID 31 8080 YEAR 1969 BOTOP 02706 AIR TEMP 16.1 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0025 MONTH 02 SHIP CO WET BULB 12.3 08 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 01 DATA USE 1 BAROMETR 1007.4 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 13.6 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E22 025 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.6	085	00000	17.72	36.366	26.40		1517.3							
13.6	085	00024	17.74	36.412	26.43		1517.8							
13.6	085	00050	17.73	36.411	26.44		1518.2							
13.6	085	00074	17.74	36.392	26.42		1518.6							
13.6	085	00099	17.74	36.397	26.42		1519.0							
13.6	085	00148	17.78	36.436	26.44		1520.0							
13.6	085	00198	17.78	36.440	26.45		1520.8							
13.6	085	00297	17.56	36.445	26.50		1521.8							
13.6	085	T00599	16.58	36.238	26.56		1520.3							
13.6	085	T00492	15.35	36.075	26.74		1517.9							
13.6	085	00593	13.39	35.719	26.85		1512.8							
13.6	085	T00786	10.56	35.375	27.17		1505.8							
13.6	085	T00987	07.21	35.090	27.48		1496.3							
13.6	085	T01492	04.59	35.012	27.75		1494.1							

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REFID 31 8080 YEAR 1969 BOTOP 04663 AIR TEMP 16.5 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0026 MONTH 02 SHIP CO WET BULB 13.0 01 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 54.8N DAY 02 DATA USE 1 BAROMETR 1010.4 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.4 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E22 026 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.4	085	00000	17.72	36.440	26.46		1517.4							
12.4	085	00026	17.71	36.438	26.46		1517.8							
12.4	085	00051	17.72	36.441	26.46		1518.2							
12.4	085	00077	17.74	36.446	26.46		1518.7							
12.4	085	00102	17.73	36.434	26.45		1519.1							
12.4	085	00154	17.74	36.429	26.45		1520.0							
12.4	085	T00205	17.72	36.426	26.45		1513.8							
12.4	085	00305	17.28	36.398	26.54		1511.1							
12.4	085	T00404	16.31	36.204	26.62		1516.6							
12.4	085	T00500	15.01	36.021	26.77		1516.9							
12.4	085	00601	13.36	35.742	26.91		1511.4							
12.4	085	00800	10.62	35.414	27.15		1506.3							
12.4	085	T00993	07.55	35.198	27.52		1497.8							
12.4	085	T01525	04.35	34.996	27.77		1493.8							

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REFID 31 8080 YEAR 1969 BOTOP 04846 AIR TEMP 14.8 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0027 MONTH 02 SHIP CO WET BULB 11.3 33 4 3 WIND-SPD 18 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 03 DATA USE 1 BAROMETR 1009.3 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 46 W HOUR 12.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E22 027 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.4	085	00000	17.62	36.448	26.49		1517.1							
12.4	085	00025	17.61	36.443	26.49		1517.5							
12.4	085	00049	17.61	36.443	26.49		1517.9							
12.4	085	00075	17.62	36.444	26.45		1518.3							
12.4	085	00098	17.62	36.446	26.45		1518.7							
12.4	085	00144	17.63	36.444	26.45		1519.6							
12.4	085	T00201	17.63	36.450	26.45		1520.5							
12.4	085	00297	17.21	36.391	26.55		1520.7							
12.4	085	T00396	16.07	36.172	26.65		1516.7							
12.4	085	T00491	15.31	36.071	26.75		1517.7							
12.4	085	00592	14.07	35.894	26.88		1515.2							
12.4	085	T00798	11.44	35.519	27.12		1509.3							
12.4	085	T01006	08.12	35.302	27.51		1500.4							
12.4	085	T01556	04.48	35.021	27.77		1494.7							

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REFID 31 8080 YEAR 1969 BOTOP 04773 AIR TEMP 17.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0028 MONTH 02 SHIP CO WET BULB 14.5 04 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1013.3 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E22 028 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.5	085	00000	17.60	36.448	26.50		1517.1							
12.5	085	00027	17.59	36.442	26.49		1517.5							
12.5	085	00053	17.59	36.446	26.50		1517.9							
12.5	085	00080	17.60	36.446	26.50		1518.4							
12.5	085	00105	17.60	36.445	26.49		1518.8							
12.5	085	00159	17.61	36.451	26.50		1519.7							
12.5	085	T00211	17.63	36.444	26.49		1520.6							
12.5	085	00317	17.09	36.361	26.55		1520.7							
12.5	085	T00423	15.79	36.172	26.71		1518.2							
12.5	085	T00526	14.83	35.972	26.78		1516.7							
12.5	085	00635	13.34	35.763	26.93		1513.4							
12.5	085	T00848	10.45	35.396	27.20		1506.5							
12.5	085	T01058	06.86	35.149	27.58		1496.2							
12.5	085	T01619	04.23	34.988	27.77		1494.7							

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TABLE II.—Continued

REFID 31 8080	YEAR 1969	BOTDP 03017	AIR TEMP 15.9	DIR HGT PER	WIND-DIR 27	INST NANSEN CAST	TEN SQ 1206
CONSEC 0029	MONTH 02	SHIP CO	WET BULB 14.9	25 3 5	WIND-SPD 21	TRACE DIP	5 SQUARE 4
LAT 35 08 N	DAY 05	DATA USE 1	BAROMETR 1011.1	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 51 W	HOOR 12.7	AREA 05	CLOUD T/A 4/8	CL/TR	WEATHER X6	CRIG E22 029	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.7	08S	00000	17.64	36.427	26.47		1517.2							
12.7	08S	00027	17.62	36.438	26.48		1517.6							
12.7	08S	00052	17.63	36.440	26.48		1518.0							
12.7	08S	00079	17.61	36.438	26.49		1518.4							
12.7	08S	00104	17.62	36.440	26.49		1518.8							
12.7	08S	00156	17.61	36.440	26.49		1519.6							
12.7	08S	T00209	17.62	36.444	26.49		1520.5							
12.7	08S	00309	17.55	36.437	26.50		1522.0							
12.7	08S	T00409	16.49	36.248	26.61		1520.2							
12.7	08S	T00507	15.39	36.063	26.72		1518.2							
12.7	08S	00607	14.13	35.867	26.85		1515.6							
12.7	08S	T00806	10.83	35.426	27.16		1507.2							
12.7	08S	T01002	07.75	35.204	27.49		1498.7							
12.7	08S	T01524	04.47	35.001	27.76		1494.1							

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TABLE III.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHIO, 9 February 1969 - 2 March 1969, prepared from NODC listing No. 31 - 1416.

REFID 31 1416	YEAR 1969	BOTOP 04480	AIR TEMP 15.6	OIR HGT PER	WIND-OIR 33	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 02	SHIP A1	WET BULB 13.9	29 3 6	WIND-SPO 20	TRACE OIR	5 SQUARE 2
LAT 34 57 N	OAY 09	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FJR	DURATION	2 SQUARE 46
LONG 047 48 W	HOOR 13.2	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X5	ORIG E23 001	1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.2	OBS	00000	17.52	36.389	26.47		1516.8							
13.2	OBS	00028	17.54	36.398	26.47		1517.3							
13.2	OBS	00055		36.405										
13.2	OBS	00081	17.54	36.400	26.47		1518.2							
13.2	OBS	00108	17.56											
13.2	OBS	00157	17.57	36.423	26.48		1519.5							
13.2	OBS	T00203	17.56	36.419	26.48		1520.2							
13.2	OBS	00290	17.58	36.419	26.48		1521.7							
13.2	OBS	00368		36.130										
13.2	OBS	00441	15.81	36.090	26.65		1518.5							
13.2	OBS	T00515	14.85	35.974	26.77		1516.6							
13.2	OBS	00674	13.06	35.734	26.97		1513.1							

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REFID 31 1416	YEAR 1969	BOTOP 04389	AIR TEMP 15.0	OIR HGT PER	WIND-OIR 12	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 02	SHIP A1	WET BULB 12.2	33 2 2	WIND-SPO 15	TRACE OIR	5 SQUARE 4
LAT 35 03 N	OAY 10	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FJR	DURATION	2 SQUARE 48
LONG 048 14 W	HOOR 12.9	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E23 002	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.9	OBS	00000	17.61	36.456	26.50		1517.1							
12.9	OBS	00024	17.56	36.456	26.51		1517.4							
12.9	OBS	00047	17.52	36.450	26.52		1517.6							
12.9	OBS	00071		36.458										
12.9	OBS	00094	17.56	36.452	26.51		1518.5							
12.9	OBS	00140	17.56	36.444	26.50		1519.2							
12.9	OBS	T00184	17.57	36.454	26.51		1520.0							
12.9	OBS	00269	17.39	36.421	26.53		1520.8							
12.9	OBS	T00349	16.93	36.340	26.58		1520.7							
12.9	OBS	00430	15.78	36.134	26.65		1518.3							
12.9	OBS	00504	14.88	35.997	26.76		1516.5							

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REFID 31 1416	YEAR 1969	BOTOP 03475	AIR TEMP 19.4	OIR HGT PER	WIND-OIR 28	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 02	SHIP A1	WET BULB 18.3	25 2 6	WIND-SPO 05	TRACE OIR	5 SQUARE 4
LAT 35 10 N	OAY 12	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FJR	DURATION	2 SQUARE 48
LONG 048 15 W	HOOR 13.2	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E23 003	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.2	OBS	00000	17.57	36.457	26.51		1517.0							
13.2	OBS	00026	17.56	36.453	26.51		1517.4							
13.2	OBS	00052	17.58	36.470	26.52		1517.9							
13.2	OBS	00078	17.60	36.462	26.51		1518.4							
13.2	OBS	00104	17.59	36.463	26.51		1518.8							
13.2	OBS	00157	17.61	36.459	26.50		1519.7							
13.2	OBS	T00210	17.59	36.463	26.51		1520.5							
13.2	OBS	00310		36.444										
13.2	OBS	T00410	16.24	36.405	26.79		1519.7							
13.2	OBS	00510	15.19	36.087	26.76		1517.7							
13.2	OBS	00609	13.89	35.870	26.90		1514.9							
13.2	OBS	00810	11.75	35.694	27.19		1510.8							
13.2	OBS	01007	08.43	35.308	27.47		1501.6							
13.2	OBS	T01506	04.79	35.084	27.79		1495.2							

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TABLE III.—Continued

REFID 31 1416 YEAR 1969 BOTOP 04481 AIR TEMP 17.8 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 02 SHIP A1 WET BULB 15.6 DIR SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1015.9 SEA WIND-SPD 12 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 20 W HOUR 09.7 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E23 004 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
09.7	OBS	00000	17.58	36.450	26.50		1517.0							
09.7	OBS	00023	17.50	36.449	26.52		1517.2							
09.7	OBS	00047	17.50	36.450	26.52		1517.5							
09.7	OBS	00070		36.457										
09.7	OBS	00093	17.50	36.457	26.53		1518.3							
09.7	OBS	00139	17.52	36.448	26.52		1519.1							
09.7	OBS	T00186	17.55	36.451	26.51		1520.0							
09.7	OBS	00278		36.436										
09.7	OBS	00368	16.28	36.234	26.65		1518.9							
09.7	OBS	00458	15.50	36.102	26.73		1517.6							
09.7	OBS	T00546	14.88	35.999	26.79		1517.2							
09.7	OBS	00727	13.13	35.757	26.97		1514.2							
09.7	OBS	00908		35.449										
09.7	OBS	T01378	05.06	35.091	27.76		1494.2							

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REFID 31 1416 YEAR 1969 BOTOP 04572 AIR TEMP 19.4 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 02 SHIP A1 WET BULB 17.2 DIR SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 14 DATA USE 1 BAROMETR 1015.0 SEA WIND-SPD 11 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 16.0 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG e23 005 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
16.0	OBS	00000		36.446										
16.0	OBS	00024	17.54	36.439	26.50		1517.3							
16.0	OBS	00049	17.56	36.439	26.50		1517.7							
16.0	OBS	00072		36.441										
16.0	OBS	00096	17.54	36.445	26.51		1518.5							
16.0	OBS	00143	17.54	36.441	26.51		1519.2							
16.0	OBS	T00191	17.53	36.440	26.51		1520.0							
16.0	OBS	00285	16.93	36.381	26.61		1519.7							
16.0	OBS	00378	16.36	36.230	26.63		1519.3							
16.0	OBS	00471	15.35	36.072	26.74		1517.5							
16.0	OBS	T00560	14.30	35.909	26.84		1515.5							
16.0	OBS	00739	12.59	35.673	27.01		1512.5							
16.0	OBS	00918	09.77	35.353	27.29		1505.1							

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REFID 31 1416 YEAR 1969 BOTOP 04755 AIR TEMP 15.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP A1 WET BULB 12.2 DIR SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1010.0 SEA WIND-SPD 14 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E23 006 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.8	OBS	00000	18.05	36.436	26.38		1518.4							
12.8	OBS	00024	17.94	36.433	26.40		1518.4							
12.8	OBS	00047		36.432										
12.8	OBS	00070	17.46	36.432	26.51		1517.8							
12.8	OBS	00093	17.46	36.444	26.53		1518.2							
12.8	OBS	00139	17.47	36.432	26.52		1518.9							
12.8	OBS	T00184	17.47	36.434	26.52		1519.7							
12.8	OBS	00278	17.41	36.447	26.54		1521.1							
12.8	OBS	T00361	17.17	36.396	26.56		1521.7							
12.8	OBS	00448	16.33	36.225	26.63		1520.4							
12.8	OBS	T00534	15.38	36.072	26.73		1518.7							
12.8	OBS	00703	13.10	35.744	26.97		1513.7							
12.8	OBS	00879	10.27	35.376	27.22		1506.3							

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REFID 31 1416 YEAR 1969 BOTOP 04755 AIR TEMP 16.1 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 02 SHIP A1 WET BULB 12.2 DIR SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 18 DATA USE 1 BAROMETR 1012.0 SEA WIND-SPD 05 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 12.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E23 007 1 SQUARE 46

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.6	OBS	00000	17.45	36.448	26.53		1516.6							
12.6	OBS	00024	17.41	36.438	26.54		1516.9							
12.6	OBS	00049		36.436										
12.6	OBS	00073	17.42	36.436	26.53		1517.7							
12.6	OBS	00098	17.45	36.451	26.54		1518.2							
12.6	OBS	00147	17.44	36.446	26.53		1519.0							
12.6	OBS	T00195	17.54	36.444	26.51		1520.1							
12.6	OBS	00294	17.52	36.440	26.51		1521.6							
12.6	OBS	T00395	17.35	36.418	26.53		1522.8							
12.6	OBS	00491	16.28	36.208	26.63		1520.9							
12.6	OBS	00591	14.65	35.940	26.79		1517.1							
12.6	OBS	T00790	12.04	35.576	27.05		1511.3							
12.6	OBS	00991	08.58	35.263	27.41		1501.8							

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TABLE III.—Continued

REFID 31 1416 YEAR 1969 BDTOP 04938 AIR TEMP 15.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 02 SHIP A1 WET BULB 12.2 06 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 44 N DAY 19 DATA USE 1 BAROMETR 1009.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 046 03 W HOUR 12.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 DRIG E23 008 1 SQUARE 56

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PO4	TOT P	NO2	NO3	S103	PH
12.5	08S	00000	18.58	36.469	26.27		1519.9							
12.5	08S	00023	17.43	36.462	26.55		1517.0							
12.5	08S	00048		36.462										
12.5	08S	00071	17.43	36.465	26.55		1517.8							
12.5	08S	00096	17.46	36.467	26.55		1518.3							
12.5	08S	00142	17.45	36.457	26.54		1519.0							
12.5	08S	00190	17.44	36.456	26.54		1519.7							
12.5	08S	00285	17.36	36.459	26.56		1521.1							
12.5	08S	T00375	17.06	36.386	26.58		1521.6							
12.5	08S	T00473	16.35	36.246	26.64		1520.9							
12.5	08S	T00565	14.64	35.924	26.78		1516.7							
12.5	08S	T00752	10.87	35.383	27.12		1506.4							
12.5	08S	T00937	06.70	35.023	27.50		1493.3							

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REFID 31 1416 YEAR 1969 BDTOP 04755 AIR TEMP 15.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 02 SHIP A1 WET BULB 11.7 01 4 6 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 43 N DAY 26 DATA USE 1 BAROMETR 1014.0 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 13.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E23 009 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PO4	TOT P	NO2	NO3	S103	PH
13.3	08S	00000	17.96	36.436	26.40		1518.1							
13.3	08S	00025	17.37	36.432	26.54		1516.8							
13.3	08S	00051		36.435										
13.3	08S	00076	17.38	36.437	26.54		1517.7							
13.3	08S	00102	17.40	36.440	26.54		1518.1							
13.3	08S	00152	17.42	36.439	26.53		1519.0							
13.3	08S	T00201	17.41	36.429	26.53		1519.8							
13.3	08S	00305	17.08	36.433	26.61		1520.5							
13.3	08S	T00406	16.51	36.230	26.59		1520.2							
13.3	08S	00508	15.19	36.040	26.75		1517.6							
13.3	08S	T00607	13.76	35.803	26.88		1514.4							
13.3	08S	T00818	10.14	35.350	27.22		1504.8							
13.3	08S	01015	07.36	35.213	27.56		1497.5							
13.3	08S	T01533	04.47	35.068	27.81		1494.4							

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REFID 31 1416 YEAR 1969 BDTOP 04755 AIR TEMP 18.3 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 02 SHIP A1 WET BULB 16.7 20 3 6 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 27 DATA USE 1 BAROMETR 1013.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E23 010 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PO4	TOT P	NO2	NO3	S103	PH
12.5	08S	00000		36.440										
12.5	08S	00027	17.40	36.436	26.54		1516.9							
12.5	08S	00053	17.38	36.432	26.54		1517.3							
12.5	08S	00080	17.39	36.436	26.54		1517.7							
12.5	08S	00106	17.43	36.440	26.53		1518.3							
12.5	08S	00161	17.43	36.437	26.53		1519.2							
12.5	08S	T00215	17.44	36.436	26.53		1520.1							
12.5	08S	00322	17.21	36.441	26.59		1521.2							
12.5	08S	T00430	15.87	36.153	26.68		1518.6							
12.5	08S	00540	14.60	35.933	26.80		1516.1							
12.5	08S	T00646	13.01	35.660	26.92		1512.3							
12.5	08S	T00875	09.56	35.304	27.28		1503.6							
12.5	08S	01089	06.60	35.148	27.61		1495.6							
12.5	08S	01641	04.21	35.073	27.84		1495.1							

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REFID 31 1416 YEAR 1969 BDTOP 04206 AIR TEMP 18.9 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 02 SHIP A1 WET BULB 16.7 36 1 4 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1014.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 45 W HOUR 13.4 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER X1 DRIG E23 011 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PO4	TOT P	NO2	NO3	S103	PH
13.4	08S	00000	17.78	36.469	26.47		1517.6							
13.4	08S	00024	17.77	36.462	26.47		1518.0							
13.4	08S	00049	17.68	36.457	26.48		1518.1							
13.4	08S	00073	17.63	36.455	26.49		1518.4							
13.4	08S	00099	17.63	36.462	26.50		1518.8							

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TABLE III.—Continued

REFID 31 1416 YEAR 1969 BOTOP 04480 AIR TEMP 18.3 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CGNSEC 0012 MONTH 03 SHIP A1 WET BULB 17.1 SEA 25 2 5 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 01 DATA USE 1 BAROMETR 1011.0 CL/TF WIND-FUR 1 DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 13.1 AREA 05 CLOUD T/A 1/6 WEATHER X1 GRIG E23 012 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.1	08S	00000	17.46	36.440	26.54		1516.6							
13.1	08S	00025	17.39	36.434	26.54		1515.8							
13.1	08S	00049	17.42	36.437	26.53		1517.3							
13.1	08S	00075		36.435										
13.1	08S	00099	17.39	36.440	26.54		1518.1							
13.1	08S	00149	17.38	36.437	26.54		1518.9							
13.1	08S	T00197	17.38	36.438	26.54		1519.0							
13.1	08S	00296	17.30	36.437	26.56		1521.0							
13.1	08S	T00399	17.17	36.382	26.55		1522.3							
13.1	08S	00496	15.84	36.138	26.68		1514.6							
13.1	08S	T00595	13.89	35.828	26.67		1514.6							
13.1	08S	T00801	10.59	35.405	27.19		1506.2							
13.1	08S	01010	07.21	35.146	27.52		1496.7							

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REFID 31 1416 YEAR 1969 BOTOP 04846 AIR TEMP 18.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CGNSEC 0013 MONTH 03 SHIP A1 WET BULB 15.6 SEA 26 2 4 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 02 DATA USE 1 BAROMETR 1012.0 CL/TF WIND-FUR 1 DURATION 2 SQUARE 46  
 LONG 047 49 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 WEATHER X1 GRIG E23 013 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.7	08S	00000	17.79	36.460	26.46		1517.6							
12.7	08S	00029	17.80	36.455	26.45		1518.1							
12.7	08S	00057	17.73	36.443	26.45		1518.9							
12.7	08S	00087	17.58	36.425	26.48		1518.4							
12.7	08S	00116	17.58	36.454	26.51		1518.9							
12.7	08S	00175	17.41	36.385	26.50		1519.3							
12.7	08S	T00234	17.38	36.446	26.55		1520.3							
12.7	08S	00355		36.252										
12.7	08S	T00477	15.83	36.123	26.67		1519.2							
12.7	08S	00601	13.50	35.750	26.85		1513.3							
12.7	08S	T00725	11.38	35.431	27.06		1507.8							
12.7	08S	T00977	07.46	35.191	27.52		1497.2							
12.7	08S	01231	05.41	35.088	27.72		1493.2							
12.7	08S	T01861	03.96	35.027	27.83		1497.7							

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TABLE IV.—Observed and interpolated oceanographic data for stations taken by USCGC SHERMAN at Ocean Station ECHO, 3 March 1969 - 26 March 1969, prepared from NODC listing No. 31 - 8088.

REFID 31 8088 YEAR 1969 BOTOP AIR TEMP 17.4 DIR HGT PER WIND-OIR 29 INST STO RECCROER TEN SQ 1206  
 CONSEC 0001 MONTH 03 SHIP F7 WET BULB 15.6 22 0 2 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 20 N DAY 04 DATA USE 1 BAROMETR 1009.0 SEA WIND-FUR DURATION 00.3 2 SQUARE 48  
 LONG 048 25 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER DRIG E24 001 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.5	OBS	0000	17.52	36.443	26.51		1516.8							
	OBS	00010	17.45											
	OBS	00020	17.35											
	OBS	00030	17.35											
	OBS	00050	17.32											
	OBS	00075	17.32											
	OBS	00100	17.33											
	OBS	00125	17.34											
	OBS	00150	17.34											
	OBS	00200	17.35											
	OBS	00250	17.35											
	OBS	00300	17.36											
	OBS	00400	17.35											
	OBS	00440	17.30											
	OBS	00500	16.65											
	OBS	00510	16.64											
	OBS	00600	14.88											
	OBS	00700	13.33											
	OBS	00800	11.72											
	OBS	00900	09.88											
	OBS	01000	07.50	35.140	27.48		1497.7							
	OBS	01100	06.73	35.123	27.57		1496.3							
	OBS	01200	06.09	35.130	27.66		1495.4							
	OBS	01300	05.45	35.091	27.71		1494.5							
	OBS	01400	05.10	35.083	27.75		1494.7							
	OBS	01500	04.82	35.056	27.76		1495.2							

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REFID 31 8088 YEAR 1969 BOTOP 0154 AIR TEMP 17.0 DIR HGT PER WIND-OIR 22 INST STO RECCROER TEN SQ 1206  
 CONSEC 0002 MONTH 03 SHIP F7 WET BULB 15.1 22 0 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05.2N DAY 05 DATA USE 1 BAROMETR 1006.0 SEA WIND-FUR DURATION 00.5 2 SQUARE 48  
 LONG 048 08.7W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG E24 002 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.0	OBS	0000	17.34	36.445	26.56		1516.3							
	OBS	00010	17.35											
	OBS	00020	17.35											
	OBS	00030	17.35											
	OBS	00050	17.35											
	OBS	00075	17.35											
	OBS	00100	17.35											
	OBS	00125	17.36											
	OBS	00150	17.35											
	OBS	00200	17.36											
	OBS	00250	17.36											
	OBS	00300	17.35											
	OBS	00325	17.35											
	OBS	00400	17.22											
	OBS	00435	17.15											
	OBS	00500	15.97											
	OBS	00600	14.37											
	OBS	00700	12.72											
	OBS	00800	11.47	35.514	27.11		1509.4							
	OBS	00900	09.57	35.365	27.33		1504.1							
	OBS	01000	07.57	35.187	27.50		1458.0							
	OBS	01100	06.69	35.139	27.54		1456.2							
	OBS	01200	05.89	35.145	27.71		1454.7							
	OBS	01300	05.53	35.117	27.73		1454.9							
	OBS	01350	05.22	35.084	27.74		1454.4							
	OBS	01400	05.17	35.091	27.75		1455.0							
	OBS	01450	05.05	35.089	27.76		1455.4							

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TABLE IV.—Continued

REFID 31 8088 YEAR 1969 BOTGP 03109 AIR TEMP 17.8 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 03 SHIP F7 WET BULB 15.9 18 4 4 WIND-SPD 35 TRACE DIR 0 5 SQUARE 4  
 LAT 35 15 N DAY 05 DATA USE 1 BAROMETR 1000.8 SEA WIND-FUR DURATION 00.2 2 SQUARE 48  
 LONG 048 12 W HOUR 12.4 AREA U5 CLOUD T/A CL/TR WEATHER X6 ORIG E24 003 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	17.34	36.444	26.56		1516.3							
	OBS	00010	17.34											
	OBS	00020	17.34											
	OBS	00030	17.35											
	OBS	00050	17.36											
	OBS	00075	17.37											
	OBS	00100	17.37											
	OBS	00125	17.37											
	OBS	00150	17.37											
	OBS	00200	17.38											
	OBS	00250	17.38											
	OBS	00300	17.37											
	OBS	00400	17.30											
	OBS	00453	17.15											
	OBS	00500	16.49											
	OBS	00600	14.74											
	OBS	00700	13.13											
	OBS	00800	11.45											
	OBS	00900	09.55											
	OBS	01000	07.35											
	OBS	01100	06.49											
	OBS	01200	05.92											
	OBS	01300	05.52											
	OBS	01400	05.12											
	OBS	01490	04.85											

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REFID 31 8088 YEAR 1969 BOTGP 01280 AIR TEMP 16.1 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 03 SHIP F7 WET BULB 11.8 26 3 3 WIND-SPD 26 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 06 DATA USE 1 BAROMETR 1006.3 SEA WIND-FUR DURATION 00.2 2 SQUARE 48  
 LONG 048 12 W HOUR 18.3 AREA U5 CLOUD T/A CL/TR WEATHER X0 ORIG E24 004 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.3	OBS	00000	17.46	36.442	26.53		1516.7							
	OBS	00010	17.46											
	OBS	00020	17.45											
	OBS	00030	17.45											
	OBS	00050	17.44											
	OBS	00075	17.42											
	OBS	00100	17.41											
	OBS	00125	17.41											
	OBS	00150	17.38											
	OBS	00200	17.35											
	OBS	00250	17.37											
	OBS	00300	17.36											
	OBS	00400	17.34											
	OBS	00430	17.32											
	OBS	00500	16.22											
	OBS	00600	15.02											
	OBS	00690	13.03											
	OBS	00700	13.09											
	OBS	00800	11.30											
	OBS	00900	09.59											
	OBS	01000	07.77											
	OBS	01100	06.59											
	OBS	01150	06.30											

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REFID 31 8086 YEAR 1969 BOTGP 04385 AIR TEMP 15.5 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 05 SHIP F7 WET BULB 11.6 27 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1010.0 SEA WIND-FUR DURATION 00.5 2 SQUARE 46  
 LONG 047 46 W HOUR 23.8 AREA U5 CLOUD T/A CL/TR WEATHER X0 ORIG E24 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
23.8	OBS	00000	17.59	36.449	26.50		1517.0							
	OBS	00010	17.59											
	OBS	00020	17.59											
	OBS	00030	17.59											
	OBS	00050	17.53											
	OBS	00075	17.45											
	OBS	00100	17.42											
	OBS	00125	17.40											
	OBS	00150	17.34											
	OBS	00200	17.30											
	OBS	00250	17.29											
	OBS	00300	17.19											
	OBS	00400	16.60											
	OBS	00500	16.12											
	OBS	00600	14.67											
	OBS	00700	12.89											
	OBS	00800	11.42											
	OBS	00900	09.37											
	OBS	01000	07.22											
	OBS	01040	07.48											
	OBS	01100	06.45											
	OBS	01200	05.77											
	OBS	01300	05.18											
	OBS	01400	04.67											
	OBS	01500	04.67											

TABLE IV.—Continued

REFID 31 8088 YEAR 1969 BOTDP 03658 AIR TEMP 16.1 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0000 MONTH 03 SHIP F7 WET BULB 12.6 26 1 4 WIND-SPD 26 TRALE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 01.9 2 SQUARE 46  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E24 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	JAYG	PO4	TCT P	NO2	NO3	SI03	PH
12.0	OBS	0000	17.20	36.450	26.50		1517.1							
	OBS	0010	17.60											
	OBS	0020	17.60											
	OBS	0030	17.60											
	OBS	0050	17.61											
	OBS	0075	17.61											
	OBS	00100	17.60											
	OBS	00125	17.47											
	OBS	00150	17.32											
	OBS	00200	17.37											
	OBS	00250	17.37											
	OBS	00300	17.31											
	OBS	00340	17.19											
	OBS	00400	16.51											
	OBS	00440	16.48											
	OBS	00500	15.69											
	OBS	00600	14.34											
	OBS	00700	12.92											
	OBS	00800	11.19											
	OBS	00900	08.85											
	OBS	00930	08.27											
	OBS	00970	08.30											
	OBS	01000	07.57											
	OBS	01010	07.20											
	OBS	01100	06.42											

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REFID 31 8088 YEAR 1969 BOTDP 04752 AIR TEMP 16.5 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 03 SHIP F7 WET BULB 13.2 26 3 3 WIND-SPD 22 TRALE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1011.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 48 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E24 007 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	JAYG	PO4	TCT P	NO2	NO3	SI03	PH
17.8	OBS	0000	17.49	36.450	26.53		1516.7							
	OBS	0010	17.49											
	OBS	0020	17.45											
	OBS	0030	17.39											
	OBS	0050	17.34											
	OBS	0075	17.34											
	OBS	00100	17.39											
	OBS	00125	17.39											
	OBS	00150	17.36											
	OBS	00200	17.32											
	OBS	00250	17.28											
	OBS	00300	17.28											
	OBS	00400	17.11											
	OBS	00430	16.60											
	OBS	00500	16.45											
	OBS	00505	16.51											
	OBS	00600	15.56											
	OBS	00700	13.67											
	OBS	00800	11.63											
	OBS	00900	09.60											
	OBS	00940	09.25											
	OBS	00970	07.77											
	OBS	01000	07.19											
	OBS	01015	06.89											
	OBS	01040	07.18											
	OBS	01100	06.51											
	OBS	01120	06.69											
	OBS	01200	05.87											
	OBS	01300	05.40											
	OBS	01400	04.96											
	OBS	01490	04.66											

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TABLE IV.—Continued

REFID 31 8088 YEAR 1969 BCTOP 04297 AIR TEMP 17.4 DIR HGT PER WIND-DIR 23 INST STO RECORDER TEN SW 1206  
 CCNSEC 0008 MONTH 03 SHIP F7 WET BULB 14.3 23 2 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1009.7 SEA WIND-FLK DURATION 00.5 2 SQUARE 46  
 LONG 047 48 W HOUR 23.8 AREA 05 CLCUO T/A CL/TR WEATHER X1 ORIG E24 008 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SNO VEL	OXYG	P34	TCT P	N02	N03	SIJ3	PH
23.8	OBS	0000	17.37	36.448	26.55		1516.4							
	OBS	0010	17.37											
	OBS	0020	17.37											
	OBS	0030	17.36											
	OBS	0050	17.34											
	OBS	0075	17.34											
	OBS	00100	17.34											
	OBS	00125	17.34											
	OBS	00150	17.34											
	OBS	00200	17.34											
	OBS	00250	17.34											
	OBS	00300	17.34											
	OBS	00375	17.34											
	OBS	00400	17.06											
	OBS	00450	16.60											
	OBS	00500	16.50											
	OBS	00500	16.32											
	OBS	00600	15.49											
	OBS	00700	13.22											
	OBS	00800	11.87											
	OBS	00900	09.69											
	OBS	01000	07.71											
	OBS	01100	06.19											
	OBS	01200	05.39											
	OBS	01215	05.47											
	OBS	01300	05.11											
	OBS	01400	04.97											
	OBS	01490	04.73											

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REFID 31 8088 YEAR 1969 BCTOP 05029 AIR TEMP 18.0 DIR HGT PER WIND-DIR 19 INST STO RECORDER TEN SW 1206  
 CCNSEC 0009 MONTH 03 SHIP F7 WET BULB 16.6 24 7 4 WIND-SPD 24 TRACE DIR 0 5 SQUARE 4  
 LAT 36 12 N DAY 10 DATA USE 1 BAROMETR 0984.8 SEA WIND-FLK DURATION 01.5 2 SQUARE 68  
 LONG 049 14 W HOUR 17.8 AREA 05 CLCUO T/A CL/TR WEATHER X1 ORIG E24 009 1 SQUARE 69

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P34	TCT P	N02	N03	SIJ3	PH
17.8	OBS	0000	17.36	36.449	26.56		1516.4							
	OBS	0010	17.36											
	OBS	0020	17.33											
	OBS	0030	17.32											
	OBS	0050	17.33											
	OBS	0075	17.33											
	OBS	00100	17.33											
	OBS	00125	17.34											
	OBS	00150	17.34											
	OBS	00200	17.35											
	OBS	00250	17.36											
	OBS	00300	17.36											
	OBS	00400	17.35											
	OBS	00500	17.34											
	OBS	00600	15.50											
	OBS	00700	13.67											
	OBS	00800	11.88											
	OBS	00900	10.00											
	OBS	01000	08.09											
	OBS	01100	06.84											
	OBS	01200	05.98											
	OBS	01300	05.46											

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TABLE IV.—Continued

REFID 31 8088	YEAR 1969	BDTDP 04938	AIR TEMP 14.7	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0010	MONTH 03	SHIP F7	WET BULB 10.7	28 5 4	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 34 46 N	DAY 16	DATA USE 1	BAROMETR 1006.0	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 50 W	HOOR 23.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E24 010	1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P34	TGT P	ND2	ND3	SI03	PH
23.2	OBS	00000	17.20	36.443	26.55		1515.9							
	OBS	00010	17.20											
	OBS	00020	17.21											
	OBS	00030	17.21											
	OBS	00050	17.22											
	OBS	00075	17.22											
	OBS	00100	17.23											
	OBS	00125	17.23											
	OBS	00150	17.23											
	OBS	00200	17.24											
	OBS	00250	17.25											
	OBS	00300	17.25											
	OBS	00400	17.23											
	OBS	00500	16.43											
	OBS	00600	14.80											
	OBS	00700	12.70											
	OBS	00800	11.28											
	OBS	00900	08.95											
	OBS	01000	06.86											
	OBS	01100	05.87											
	OBS	01200	05.22											
	OBS	01300	05.03											
	OBS	01310	05.07											
	OBS	01400	04.87											
	OBS	01500	04.59											

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REFID 31 8088	YEAR 1969	BDTDP 04063	AIR TEMP 13.6	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1206
CONSEC 0011	MONTH 03	SHIP F7	WET BULB 9.6	33 1 2	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
LAT 35 10 N	DAY 20	DATA USE 1	BAROMETR 1015.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 15 W	HOOR 12.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E24 011	1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P34	TGT P	ND2	ND3	SI03	PH
12.4	OBS	00000	17.10	36.435	26.61		1515.6							
	OBS	00010	17.11											
	OBS	00020	17.11											
	OBS	00030	17.11											
	OBS	00050	17.11											
	OBS	00075	17.11											
	OBS	00100	17.11											
	OBS	00125	17.11											
	OBS	00150	17.12											
	OBS	00200	17.13											
	OBS	00250	17.13											
	OBS	00300	17.14											
	OBS	00400	17.15											
	OBS	00500	17.15											
	OBS	00510	17.15											
	OBS	00600	15.58											
	OBS	00700	13.33											
	OBS	00800	11.13											
	OBS	00900	09.33											
	OBS	01000	08.03											
	OBS	01100	06.22	35.057	27.55		1494.2							
	OBS	01160	05.62	35.046	27.66		1492.8							
	OBS	01200	05.66	35.056	27.66		1493.7							
	OBS	01230	05.71	35.072	27.67		1494.4							
	OBS	01300	05.61	35.057	27.67		1495.1							
	OBS	01370	05.58	35.057	27.67		1496.1							
	OBS	01400	05.58	35.057	27.67		1496.7							
	OBS	01500	04.78	35.049	27.76		1495.1							

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TABLE IV.—Continued

REFID 31 8088 YEAR 1969 BDTOP 01829 AIR TEMP 18.0 DIF HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MDNTH 03 SHIP F7 WET BULB 16.0 02 9 5 WIND-SPD 30 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 20 DATA USE 1 BAROMETR SEA WIND-FUR DURATION 60.7 2 SQUARE 48  
 LONG 048 12 W HDUR 23.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 DRIG E24 012 1 SQUARE 56

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TGT P	NO2	NO3	SIJ3	PH
23.2	DBS	00000	17.10											
	DBS	00010	17.10											
	DBS	00020	17.10											
	DBS	00030	17.11											
	DBS	00050	17.12											
	DBS	00075	17.13											
	DBS	00100	17.13											
	DBS	00125	17.14											
	DBS	00150	17.14											
	DBS	00175	17.14											
	DBS	00200	17.15											
	DBS	00250	17.16											
	DBS	00300	17.16											
	DBS	00400	17.17											
	DBS	00500	17.15											
	DBS	00600	15.38											
	DBS	00700	13.33											
	DBS	00800	11.28											
	DBS	00900	09.43											
	DBS	01000	07.30	35.079	27.46		1496.7							
	DBS	01100	05.91	35.028	27.61		1492.8							
	DBS	01120	05.62	35.035	27.65		1492.0							
	DBS	01150	05.68	35.062	27.66		1492.7							
	DBS	01200	05.46	35.065	27.65		1492.7							
	DBS	01300	05.15	35.058	27.72		1493.1							
	DBS	01400	04.89	35.050	27.75		1493.7							
	DBS	01500	04.68	35.041	27.77		1494.5							

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REFID 31 8088 YEAR 1969 BDTOP 04023 AIR TEMP 17.0 DIF HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MDNTH 03 SHIP F7 WET BULB 11.2 36 5 4 WIND-SPG 08 TRACE DIR 5 SQUARE 2  
 LAT 34 42 N DAY 22 DATA USE 1 BAROMETR 1025.2 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 16 W HDUR 22.2 AREA 05 CLOUD T/A 5/2 CL/TR WEATHER X1 DRIG E24 013 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNDPTH	SND VEL	DXYG	PJ4	TGT P	NO2	NO3	SIJ3	PH
22.2	DBS	00000	17.06	36.434	26.62		1515.5							
22.2	DBS	00025	17.05	36.435	26.62		1515.8							
22.2	DBS	00051	17.02	36.429	26.62		1516.2							
22.2	DBS	00077	17.03	36.432	26.62		1516.0							
22.2	DBS	00103	17.06											
22.2	DBS	00155	17.07	36.432	26.61		1518.0							
22.2	DBS	00206	17.06	36.434	26.62		1518.8							
22.2	DBS	00310	17.09	36.435	26.61		1520.6							
22.2	DBS	T00418	17.06	36.431	26.61		1522.3							
22.2	DBS	00519	16.81	36.403	26.65		1523.2							
22.2	DBS	T00624	14.75	35.966	26.78		1518.2							
22.2	DBS	00831	10.27	35.310	27.17		1505.4							
22.2	DBS	T01037	06.58	35.081	27.56		1454.6							
22.2	DBS	T01554	04.39	35.031	27.75		1494.3							

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REFID 31 8088 YEAR 1969 BDTOP 04755 AIR TEMP 14.4 DIF HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 03 SHIP F7 WET BULB 10.6 02 5 4 WIND-SPG 08 TRACE DIR 5 SQUARE 2  
 LAT 34 48 N DAY 23 DATA USE 1 BAROMETR 1027.4 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 12 W HDUR 12.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 DRIG E24 014 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNDPTH	SND VEL	DXYG	PJ4	TGT P	NO2	NO3	SIJ3	PH
12.5	DBS	00000	17.05	36.421	26.61		1515.4							
12.5	DBS	00028	17.02	36.419	26.62		1515.8							
12.5	DBS	00056	16.99	36.421	26.62		1515.2							
12.5	DBS	00085	16.98	36.417	26.62		1516.6							
12.5	DBS	00114	17.01	36.426	26.62		1517.2							
12.5	DBS	00170	17.03	36.410	26.61		1518.1							
12.5	DBS	T00228	17.00	36.427	26.63		1519.0							
12.5	DBS	00340	17.04	36.415	26.61		1521.0							
12.5	DBS	T00450	16.27	36.230	26.65		1520.2							
12.5	DBS	00563	15.13	36.018	26.74		1518.3							
12.5	DBS	T00678	13.39	35.739	26.90		1514.2							
12.5	DBS	00902	08.21	35.138	27.37		1458.8							
12.5	DBS	T01133	05.91	35.108	27.67		1453.6							
12.5	DBS	T01688	04.21	35.008	27.75		1455.8							

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TABLE IV.—Continued

REFID 31 8088	YEAR 1969	BOTOP 04389	AIR TEMP 18.0	OIR HGT PER	WIND-OIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0015	MONTH 03	SHIP F7	WET BULB 13.6	14 3 2	WIND-SPO 20	TRACE OIR	5 SQUARE 4
LAT 35 14 N	DAY 23	DATA USE 1	BAROMETR 1019.1	SEA	WIND-FOR	CURATION	2 SQUARE 48
LONG 048 20 W	HOOR 17.9	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	DRIG E24 G15	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	085	00000	17.04	36.412	26.61		1515.4							
17.9	085	00028	17.01	36.415	26.61		1515.7							
17.9	085	00050	16.94	36.412	26.63		1515.9							
17.9	085	00073	16.97	36.412	26.62		1516.4							
17.9	085	00099	17.01	36.410	26.61		1516.9							
17.9	085	00143	17.01	36.412	26.61		1517.6							
17.9	085	T00185	16.99	36.413	26.62		1518.3							
17.9	085	00278	17.02	36.408	26.61		1519.9							
17.9	085	T00365	17.02	36.429	26.62		1521.3							
17.9	085	00451	17.02	36.427	26.62		1522.7							
17.9	085	T00544	15.22	36.034	26.74		1518.9							
17.9	085	00726		35.568										
17.9	085	T00917	08.10	35.118	27.37		1498.6							
17.9	085	T01433	04.79	35.054	27.76		1454.0							

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REFID 31 8088	YEAR 1969	BOTOP 02926	AIR TEMP 17.0	OIR HGT PER	WIND-OIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0016	MONTH 03	SHIP F7	WET BULB 14.4	09 5 2	WIND-SPO 25	TRACE OIR	5 SQUARE 4
LAT 35 00 N	DAY 25	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	CURATION	2 SQUARE 48
LONG 048 12 W	HOOR 12.4	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	DRIG E24 O16	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.4	085	00000	17.02	36.413	26.61		1515.3							
12.4	085	00023	17.02	36.412	26.61		1515.7							
12.4	085	00040	17.00	36.413	26.62		1515.9							
12.4	085	00063	16.97	36.413	26.62		1516.2							
12.4	085	00086	17.02	36.411	26.61		1516.7							
12.4	085	00126	17.03	36.413	26.61		1517.4							
12.4	085	T00163	17.02	36.411	26.61		1518.0							
12.4	085	00247	17.02	36.412	26.61		1519.4							
12.4	085	T00322	17.06	36.430	26.61		1520.7							
12.4	085	00398	17.05	36.421	26.61		1521.9							
12.4	085	T00475	17.00	36.411	26.61		1523.1							
13.1	085	T00963	07.81											

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TABLE V.--Observed and interpolated oceanographic data for stations taken by USCGC YAKUTAT at Ocean Station ECHIO, 26 March 1969 - 18 April 1969, prepared from NODC listing No. 31 - 8094.

REFID 31 8094	YEAR 1969	BOTDP 04298	AIR TEMP 18.3	DIR HGT PER	WIND-DIR 09	INST STD RECCRDR	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP YA	WET BULB 15.0	16 2 2	WIND-SPD 20	TRACE DIR 0	5 SQUARE 4
LAT 35 12 N	DAY 26	DATA USE 1	BAROMETR 1020.8	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 48
LONG 048 18 W	HDUR 13.1	AREA 05	CLDUD T/A	CL/TR	WEATHER X1	ORIG E25 001	1 SQUARE 58

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	16.99	36.418	26.62		1515.2							
	OBS	00010	16.99	36.418	26.62		1515.4							
	OBS	00020	16.99	36.420	26.62		1515.6							
	OBS	00030	16.99	36.423	26.63		1515.7							
	OBS	00050	16.99	36.423	26.63		1516.1							
	OBS	00075	16.98	36.427	26.63		1516.4							
	OBS	00100	16.98	36.430	26.63		1516.9							
	OBS	00125	16.98	36.431	26.63		1517.3							
	OBS	00150	16.98	36.429	26.63		1517.7							
	OBS	00200	16.98	36.435	26.64		1518.5							
	OBS	00250	16.97	36.438	26.64		1519.3							
	OBS	00300	16.98	36.439	26.64		1520.1							
	OBS	00400	16.94	36.429	26.64		1521.7							
	OBS	00440	16.92	36.417	26.64		1522.2							
	OBS	00500	15.96	36.205	26.70		1520.1							
	OBS	00520	15.54	36.072	26.65		1518.9							
	OBS	00530	15.71	36.150	26.72		1519.7							
	OBS	00600	14.39	35.895	26.81		1516.4							
	OBS	00700	12.79	35.665	26.97		1512.5							
	OBS	00800	10.57	35.372	27.16		1506.1							
	OBS	00900	08.66	35.180	27.33		1500.5							
	OBS	00940	08.24	35.210	27.42		1499.6							
	OBS	00965	08.24	35.206	27.42		1500.0							
	OBS	01000	07.53	35.177	27.50		1497.8							
	OBS	01100	06.44	35.120	27.61		1495.2							
	OBS	01140	05.90	35.105	27.67		1493.7							
	OBS	01155	05.78	35.075	27.66		1493.4							
	OBS	01160	05.70	35.056	27.66		1493.1							
	OBS	01180	05.81	35.105	27.68		1494.0							
	OBS	01200	05.56	35.065	27.68		1493.2							
	OBS	01290	05.03	35.011	27.70		1492.5							
	OBS	01300	05.16	35.063	27.73		1493.3							
	OBS	01315	05.16	35.057	27.72		1493.5							
	OBS	01400	04.91	35.055	27.75		1493.9							
	OBS	01500	04.59	35.025	27.76		1494.2							

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REFID 31 8094	YEAR 1969	BOTDP 02743	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 08	INST STD RECCRDR	TEN SQ 1206
CONSEC 0002	MONTH 03	SHIP YA	WET BULB 15.1	14 4 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 26	DATA USE 1	BAROMETR 1019.7	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 48
LONG 048 11 W	HDUR 18.1	AREA 05	CLDUD T/A	CL/TR	WEATHER X1	ORIG E25 002	1 SQUARE 58

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	17.31	36.451	26.57		1516.2							
	OBS	00010	17.31	36.440	26.56		1516.4							
	OBS	00020	17.23	36.449	26.59		1516.3							
	OBS	00030	17.17	36.437	26.59		1516.3							
	OBS	00050	17.01	36.422	26.62		1516.1							
	OBS	00075	16.99	36.422	26.62		1516.5							
	OBS	00100	16.98	36.422	26.63		1516.8							
	OBS	00125	16.98	36.426	26.63		1517.3							
	OBS	00150	16.98	36.426	26.63		1517.7							
	OBS	00200	16.98	36.433	26.64		1518.5							
	OBS	00250	16.97	36.430	26.64		1519.3							
	OBS	00300	16.97	36.441	26.64		1520.1							
	OBS	00400	16.98	36.445	26.64		1521.8							
	OBS	00500	16.06	36.191	26.67		1520.4							
	OBS	00600	14.59	36.025	26.87		1517.2							
	OBS	00700	12.68	35.603	26.94		1512.0							
	OBS	00800	10.30	35.291	27.15		1505.0							
	OBS	00900	07.89	35.106	27.39		1497.5							
	OBS	01000	06.56	35.065	27.55		1493.9							
	OBS	01030	06.40	35.091	27.59		1493.8							
	OBS	01050	06.40	35.091	27.59		1494.1							
	OBS	01055	06.54	35.129	27.60		1494.8							
	OBS	01100	06.26	35.128	27.64		1494.5							
	OBS	01200	05.65	35.098	27.70		1493.6							
	OBS	01300	05.19	35.066	27.73		1493.4							
	OBS	01400	04.92	35.068	27.76		1494.0							
	OBS	01500	04.60	35.032	27.77		1494.3							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BDTOP 03931 AIR TEMP 16.8 DIR HGT PER WIND-DIR 09 INST STD RECDRDER TEN SQ 1206  
 CDNSEC 0003 MONTH 03 SHIP YA MET BULB 15.2 09 1 3 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 27 DATA USE 1 BARMETR 1022.2 SEA WIND-FDR DURATION 00.6 2 SQUARE 48  
 LONG 048 15 W HOUR 00.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E25 003 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
00.0	085	00000	17.02	36.413	26.61		1515.3							
	085	00010	17.01	36.413	26.61		1515.4							
	085	00020	17.01	36.412	26.61		1515.6							
	085	00030	17.01	36.413	26.61		1515.8							
	085	00050	17.01	36.415	26.61		1516.1							
	085	00075	16.99	36.413	26.62		1516.5							
	085	00100	16.99	36.414	26.62		1516.9							
	085	00125	16.99	36.413	26.62		1517.3							
	085	00150	16.99	36.416	26.62		1517.7							
	085	00200	16.99	36.425	26.63		1518.5							
	085	00250	16.98	36.424	26.63		1519.3							
	085	00300	16.98	36.423	26.63		1520.1							
	085	00400	16.93	36.416	26.63		1521.6							
	085	00450	16.91	36.434	26.65		1522.4							
	085	00500	15.78	36.151	26.70		1519.4							
	085	00600	14.29	35.770	26.74		1515.9							
	085	00700	12.66	35.625	26.96		1512.0							
	085	00800	10.78	35.381	27.13		1506.8							
	085	00900	09.06	35.256	27.33		1502.1							
	085	01000	07.58	35.168	27.49		1498.0							
	085	01070	06.33	35.040	27.56		1494.1							
	085	01100	06.42	35.160	27.64		1495.1							
	085	01110	06.45	35.159	27.64		1495.4							
	085	01200	05.86	35.106	27.68		1494.5							
	085	01300	05.29	35.080	27.73		1493.8							
	085	01400	04.92	35.060	27.75		1494.0							
	085	01500	04.73	35.052	27.77		1494.9							

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REFID 31 8094 YEAR 1969 BDTOP 03849 AIR TEMP 16.7 DIR HGT PER WIND-DIR 11 INST STD RECDRDER TEN SQ 1206  
 CONSEC 0004 MONTH 03 SHIP YA MET BULB 15.0 11 3 2 WIND-SPD 18 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 27 DATA USE 1 BARMETR 1020.9 SEA WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 004 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
06.0	085	00000	17.28	36.437	26.57		1516.1							
	085	00010	17.27	36.436	26.57		1516.3							
	085	00020	17.27	36.440	26.57		1516.4							
	085	00030	17.26	36.440	26.57		1516.6							
	085	00050	17.24	36.437	26.58		1516.8							
	085	00075	17.12	36.430	26.60		1516.9							
	085	00100	17.12	36.441	26.61		1517.5							
	085	00125	17.12	36.448	26.61		1517.7							
	085	00150	17.11	36.437	26.61		1518.1							
	085	00200	16.94	36.396	26.62		1518.3							
	085	00250	16.99	36.425	26.63		1519.3							
	085	00300	16.97	36.439	26.64		1520.1							
	085	00400	16.98	36.441	26.64		1521.8							
	085	00490	16.94	36.413	26.63		1523.1							
	085	00500	16.64	36.314	26.63		1522.3							
	085	00520	16.09	36.183	26.65		1520.8							
	085	00550	15.60	36.100	26.70		1519.7							
	085	00580	14.83	35.954	26.76		1517.5							
	085	00600	14.52	35.929	26.81		1516.9							
	085	00620	14.23	35.869	26.81		1516.2							
	085	00670	13.35	35.727	26.90		1513.9							
	085	00700	12.72	35.646	26.97		1512.2							
	085	00750	12.18	35.553	27.00		1511.1							
	085	00800	10.90	35.421	27.14		1507.3							
	085	00830	10.17	35.320	27.15		1505.1							
	085	00850	09.67	35.240	27.21		1503.5							
	085	00900	08.65	35.177	27.33		1500.4							
	085	00950	07.76	35.107	27.41		1497.8							
	085	01000	06.89	35.073	27.51		1495.2							
	085	01050	06.43	35.096	27.55		1494.3							
	085	01100	06.39	35.128	27.62		1495.0							
	085	01200	05.68	35.110	27.70		1493.8							
	085	01300	05.15	35.078	27.74		1493.3							
	085	01400	04.79	35.052	27.76		1493.4							
	085	01500	04.51	35.031	27.76		1493.9							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BDTOP 02743 AIR TEMP 19.3 DIR HGT PER WIND-DIR 10 INST STD RECCROER TEN SQ 1206  
 CONSEC 0005 MONTH 03 SHIP YA WET BULB 16.7 10 3 4 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 27 DATA USE 1 BAROMETR 1024.3 SEA WIND-FDP DURATION 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E25 005 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	17.23	36.451	26.59		1516.0							
	085	00010	17.19	36.453	26.60		1516.0							
	085	00020	17.16	36.432	26.59		1516.1							
	085	00030	17.11	36.439	26.61		1516.1							
	085	00050	17.07	36.435	26.62		1516.3							
	085	00075	17.01	36.431	26.63		1516.5							
	085	00100	17.00	36.436	26.63		1516.9							
	085	00125	17.00	36.436	26.63		1517.3							
	085	00150	17.00	36.436	26.63		1517.7							
	085	00200	17.00	36.438	26.63		1518.6							
	085	00250	16.99	36.440	26.64		1519.4							
	085	00300	16.99	36.440	26.64		1520.2							
	085	00400	16.99	36.457	26.65		1521.8							
	085	00490	16.99	36.435	26.63		1523.3							
	085	00500	16.77	36.371	26.64		1522.7							
	085	00600	14.61	35.937	26.80		1517.2							
	085	00700	12.75	35.622	26.94		1512.3							
	085	00800	10.95	35.383	27.10		1507.4							
	085	00842	09.57	35.105	27.13		1502.8							
	085	00900	08.32	35.152	27.36		1499.2							
	085	00915	08.11	35.094	27.35		1498.5							
	085	00927	07.95	35.094	27.38		1498.1							
	085	01000	06.97	35.060	27.49		1495.5							
	085	01038	06.46	35.007	27.52		1494.1							
	085	01080	06.05	35.131	27.67		1493.3							
	085	01100	06.09	35.138	27.67		1493.8							
	085	01110	06.11	35.131	27.66		1494.0							
	085	01200	05.55	35.106	27.71		1493.2							
	085	01300	05.26	35.092	27.74		1493.7							
	085	01400	04.92	35.079	27.77		1494.0							
	085	01500	04.57	35.043	27.78		1494.2							

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REFID 31 8094 YEAR 1969 BDTOP 04480 AIR TEMP 17.6 DIR HGT PER WIND-DIR 11 INST STD RECCROER TEN SQ 1206  
 CONSEC 0006 MONTH 03 SHIP YA WET BULB 15.7 12 5 3 WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 27 DATA USE 1 BAROMETR 1023.1 SEA WIND-FDP DURATION 00.3 2 SQUARE 46  
 LONG 047 58 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E25 006 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.0	085	00000	17.43	36.452	26.54		1516.6							
	085	00010	17.40	36.452	26.55		1516.6							
	085	00020	17.37	36.451	26.56		1516.7							
	085	00030	17.25	36.453	26.59		1516.5							
	085	00050	17.17	36.453	26.61		1516.6							
	085	00075	17.13	36.452	26.61		1516.9							
	085	00100	17.12	36.453	26.62		1517.3							
	085	00125	17.09	36.449	26.62		1517.6							
	085	00150	17.08	36.448	26.62		1518.0							
	085	00200	17.07	36.455	26.63		1518.8							
	085	00250	17.06	36.455	26.63		1519.6							
	085	00300	17.06	36.455	26.63		1520.4							
	085	00400	17.05	36.457	26.64		1522.0							
	085	00500	17.00	36.445	26.64		1523.5							
	085	00530	16.19	36.176	26.62		1521.2							
	085	00600	15.01	35.947	26.72		1518.4							
	085	00700	12.91	35.617	26.91		1512.8							
	085	00800	10.84	35.344	27.05		1507.0							
	085	00900	08.49	35.154	27.34		1499.8							
	085	00922	08.01	35.174	27.43		1498.4							
	085	00970	07.43	35.132	27.48		1496.9							
	085	01000	07.06	35.116	27.52		1495.9							
	085	01100	06.29	35.131	27.64		1494.6							
	085	01200	05.86	35.094	27.67		1494.5							
	085	01300	05.31	35.075	27.72		1493.9							
	085	01400	04.82	35.040	27.75		1493.5							
	085	01500	04.53	35.027	27.77		1494.0							
	085	01600	04.29	34.997	27.77		1494.6							
	085	01675	04.12	34.996	27.79		1495.2							
	085	01750	04.00	34.976	27.79		1495.9							
	085	02000	03.80	34.979	27.81		1499.3							
	085	02500	03.36	34.960	27.84		1506.0							
	085	03000	02.96	34.938	27.86		1512.9							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTOP 04297	AIR TEMP 17.1	DIR HGT PER	#IND-DIR 13	INST STO RECCORER	TEN SW 1206
CONSEC 0007	MONTH 03	SHIP YA	WET BULB 15.8	12 3 3	#IND-SPO 15	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 28	DATA USE 1	BAROMETR 1026.4	SEA	#IND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	CRIG E25 007	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	P04	TCT P	NO2	NO3	SI03	PH
00.0	OBS	00000	17.28	36.431	26.56		1516.1							
	OBS	00010	17.27	36.432	26.56		1516.2							
	OBS	00020	17.27	36.431	26.56		1516.4							
	OBS	00030	17.25	36.432	26.57		1516.5							
	OBS	00050	17.24	36.438	26.58		1516.8							
	OBS	00075	17.23	36.441	26.58		1517.2							
	OBS	00100	17.23	36.444	26.59		1517.6							
	OBS	00125	17.23	36.448	26.59		1518.0							
	OBS	00150	17.23	36.448	26.59		1518.4							
	OBS	00200	17.13	36.444	26.61		1519.0							
	OBS	00250	17.10	36.434	26.61		1519.7							
	OBS	00300	17.06	36.441	26.62		1520.4							
	OBS	00400	17.06	36.452	26.63		1522.0							
	OBS	00440	17.05	36.437	26.62		1522.7							
	OBS	00500	16.15	36.191	26.65		1520.6							
	OBS	00600	14.64	36.92 P	27.55Q									
	OBS	00700	12.67	35.677	26.96		1512.8							
	OBS	00800	10.86	35.429	27.15		1507.2							
	OBS	00850	09.50	35.259	27.26		1502.9							
	OBS	00870	09.14	35.200	27.27		1501.8							
	OBS	00880	09.06	35.260	27.33		1501.7							
	OBS	00900	08.69	35.187	27.33		1503.6							
	OBS	00940	07.96	35.155	27.42		1498.5							
	OBS	00960	07.84	35.203	27.48		1498.4							
	OBS	00970	07.49	35.134	27.47		1497.1							
	OBS	01000	06.85	35.095	27.53		1495.1							
	OBS	01050	06.45	35.116	27.61		1494.4							
	OBS	01065	06.58	35.184	27.64		1495.2							
	OBS	01100	06.26	35.148	27.66		1494.5							
	OBS	01200	05.60	35.096	27.70		1493.4							
	OBS	01300	05.15	35.087	27.75		1493.3							
	OBS	01400	04.75	35.052	27.77		1493.3							
	OBS	01500	04.48	35.033	27.76		1493.8							

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REFID 31 8094	YEAR 1969	BOTOP 03895	AIR TEMP 17.3	DIR HGT PER	#IND-DIR 13	INST STO RECCORER	TEN SW 1206
CONSEC 0008	MONTH 03	SHIP YA	WET BULB 15.7	13 3 3	#IND-SPO 10	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 28	DATA USE 1	BAROMETR 1025.9	SEA	#IND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 11 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	#EATHER X1	CRIG E25 008	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	P04	TCT P	NO2	NO3	SI03	PH
06.0	OBS	00000	17.30	36.442	26.57		1516.2							
	OBS	00010	17.30	36.444	26.57		1516.3							
	OBS	00020	17.30	36.445	26.57		1516.5							
	OBS	00030	17.30	36.447	26.57		1516.7							
	OBS	00050	17.21	36.444	26.59		1516.7							
	OBS	00075	17.10	36.433	26.61		1516.8							
	OBS	00100	17.02	36.432	26.63		1517.0							
	OBS	00125	17.00	36.432	26.63		1517.3							
	OBS	00150	17.01	36.437	26.63		1517.8							
	OBS	00200	17.00	36.438	26.63		1516.6							
	OBS	00250	16.99	36.441	26.64		1519.4							
	OBS	00300	16.99	36.442	26.64		1520.2							
	OBS	00400	16.99	36.450	26.65		1521.8							
	OBS	00460	16.99	36.437	26.64		1522.8							
	OBS	00500	16.11	36.233	26.69		1520.6							
	OBS	00600	14.73	35.950	26.78		1517.6							
	OBS	00700	12.57	35.616	26.97		1511.7							
	OBS	00800	10.57	35.360	27.15		1506.1							
	OBS	00900	08.52	35.140	27.32		1499.9							
	OBS	01000	06.87	35.062	27.51		1495.1							
	OBS	01100	06.16	35.100	27.63		1494.0							
	OBS	01150	05.77	35.048	27.64		1493.2							
	OBS	01200	05.34	35.100	27.74		1492.4							
	OBS	01300	05.26	35.092	27.74		1493.7							
	OBS	01400	04.84	35.062	27.76		1493.6							
	OBS	01500	04.50	35.034	27.78		1493.9							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 02292 AIR TEMP 17.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0009 MONTH 03 SHIP YA WET BULB 15.3 DIR 2 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1028.9 SEA WIND-FUG DURATION 00.4 2 SQUARE 48  
 LONG 048 09 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VCL	UXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
12.1	UBS	00000	17.16	36.451	26.61		1515.8							
	UBS	00010	17.16	36.449	26.60		1515.9							
	UBS	00020	17.15	36.434	26.60		1516.1							
	UBS	00030	17.02	36.439	26.63		1515.3							
	UBS	00050	17.00	36.440	26.64		1516.1							
	UBS	00075	16.98	36.443	26.64		1516.5							
	UBS	00100	16.98	36.445	26.64		1516.9							
	UBS	00125	16.98	36.447	26.65		1517.3							
	UBS	00150	16.98	36.447	26.65		1517.7							
	UBS	00200	16.98	36.450	26.65		1518.5							
	UBS	00250	16.97	36.463	26.66		1519.3							
	UBS	00300	16.96	36.451	26.65		1520.1							
	UBS	00400	16.85	36.415	26.66		1521.6							
	UBS	00500	15.45	36.085	26.73		1518.3							
	UBS	00600	14.10	35.888	26.85		1515.7							
	UBS	00608	13.94	35.827	26.86		1515.0							
	UBS	00632	13.56	35.724	26.86		1514.0							
	UBS	00637	13.35	35.756	26.92		1513.4							
	UBS	00700	12.77	35.653	26.96		1512.4							
	UBS	00800	10.73	35.440	27.15		1506.7							
	UBS	00900	08.89	35.207	27.32		1501.4							
	UBS	01000	07.12	35.111	27.51		1496.2							
	UBS	01100	05.61	35.058	27.67		1491.8							
	UBS	01142	05.42	35.043	27.68		1491.7							
	UBS	01179	05.38	35.113	27.74		1492.2							
	UBS	01200	05.41	35.107	27.73		1492.7							
	UBS	01300	05.01	35.084	27.76		1492.7							
	UBS	01400	04.74	35.066	27.78		1493.2							
	UBS	01500	04.47	35.041	27.79		1493.8							

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REFID 31 8094 YEAR 1969 BOTDP 04206 AIR TEMP DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0010 MONTH 03 SHIP YA WET BULB DIR 2 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 28 DATA USE 1 BAROMETR SEA WIND-FUG DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VCL	UXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
17.6	UBS	00000	17.54	36.453	26.52		1510.9							
	UBS	00010	17.51	36.433	26.51		1516.9							
	UBS	00020	17.38	36.450	26.55		1516.8							
	UBS	00030	17.31	36.451	26.57		1516.7							
	UBS	00050	17.25	36.455	26.59		1516.9							
	UBS	00075	17.19	36.435	26.59		1517.1							
	UBS	00100	16.99	36.428	26.63		1516.9							
	UBS	00125	16.94	36.429	26.63		1517.3							
	UBS	00150	16.98	36.414	26.62		1517.7							
	UBS	00200	16.92	36.438	26.65		1518.3							
	UBS	00250	16.94	36.455	26.66		1519.2							
	UBS	00300	16.96	36.456	26.66		1520.1							
	UBS	00400	16.97	36.458	26.66		1521.8							
	UBS	00500	15.95	36.162	26.67		1520.0							
	UBS	00600	14.44	35.920	26.82		1516.6							
	UBS	00700	12.58	35.596	26.96		1511.7							
	UBS	00800	10.60	35.361	27.15		1506.2							
	UBS	00900	08.63	35.156	27.32		1500.3							
	UBS	01000	07.01	35.095	27.51		1495.7							
	UBS	01100	06.36	35.163	27.66		1494.9							
	UBS	01200	05.61	35.098	27.70		1493.5							
	UBS	01300	05.13	35.085	27.75		1493.2							
	UBS	01400	04.71	35.046	27.77		1493.1							
	UBS	01500	04.45	35.024	27.78		1493.7							
	UBS	01750	04.04	35.004	27.81		1496.1							
	UBS	02000	03.73	34.980	27.82		1499.1							
	UBS	02500	03.22	34.935	27.85		1505.4							
	UBS	03000	02.77	34.920	27.87		1512.1							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BGTDP 04023 AIR TEMP 17.2 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 03 SHIP YA WET BULB 15.8 12 3 3 WIND-SPO 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 29 DATA USE 1 BAROMETR 1029.4 SEA WIND-FDH DURATION 00.3 2 SQUARE 46  
 LONG 047 54 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEAHER X2 ORIG E25 011 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIG3	PH
00.1	OBS	0000	17.31	36.443	26.56		1516.2							
	OBS	0010	17.30	36.443	26.57		1516.3							
	OBS	0020	17.13	36.432	26.60		1516.0							
	OBS	0030	17.06	36.433	26.62		1516.0							
	OBS	0050	17.03	36.435	26.63		1516.2							
	OBS	0075	17.01	36.437	26.63		1516.5							
	OBS	0100	17.00	36.437	26.63		1516.9							
	OBS	0125	17.00	36.439	26.64		1517.3							
	OBS	0150	17.00	36.440	26.64		1517.7							
	OBS	0200	17.00	36.444	26.64		1518.0							
	OBS	0250	16.99	36.443	26.64		1519.4							
	OBS	0300	16.97	36.432	26.64		1520.1							
	OBS	0400	16.97	36.449	26.65		1521.8							
	OBS	0450	16.95	36.437	26.65		1522.5							
	OBS	0500	15.76	36.138	26.65		1519.4							
	OBS	0600	14.40	35.908	26.82		1516.4							
	OBS	0700	12.48	35.646	27.01		1511.4							
	OBS	0800	10.15	35.352	27.22		1509.5							
	OBS	0850	09.44	35.290	27.29		1502.7							
	OBS	0860	09.43	35.334	27.33		1502.9							
	OBS	0900	08.82	35.212	27.33		1501.1							
	OBS	1000	06.89	35.112	27.54		1499.3							
	OBS	1060	06.16	35.113	27.64		1493.4							
	OBS	1080	06.26	35.122	27.64		1494.1							
	OBS	1100	06.20	35.124	27.65		1494.2							
	OBS	1200	05.69	35.114	27.70		1493.8							
	OBS	1300	05.06	35.090	27.76		1492.9							
	OBS	1400	04.72	35.056	27.77		1493.1							
	OBS	01500	04.45	35.032	27.78		1493.7							

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REFID 31 8094 YEAR 1969 BGTDP 03840 AIR TEMP 17.9 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 03 SHIP YA WET BULB 16.6 13 3 3 WIND-SPO 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 29 DATA USE 1 BAROMETR 1028.5 SEA WIND-FDH DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEAHER X1 ORIG E25 012 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIG3	PH
06.2	OBS	0000	17.14	36.444	26.61		1515.7							
	OBS	0010	17.14	36.434	26.60		1515.9							
	OBS	0020	17.04	36.435	26.62		1515.7							
	OBS	0030	17.03	36.436	26.63		1515.9							
	OBS	0050	17.01	36.435	26.63		1516.1							
	OBS	0075	17.00	36.433	26.63		1516.5							
	OBS	0100	16.99	36.437	26.64		1516.9							
	OBS	0125	16.99	36.439	26.64		1517.3							
	OBS	0150	16.99	36.439	26.64		1517.7							
	OBS	0200	16.99	36.443	26.64		1518.5							
	OBS	0250	16.96	36.445	26.65		1519.3							
	OBS	0300	16.96	36.462	26.66		1520.1							
	OBS	0350	16.95	36.461	26.66		1520.9							
	OBS	0400	16.74	36.397	26.67		1521.0							
	OBS	0500	15.40	36.083	26.73		1518.2							
	OBS	0600	14.06	35.839	26.84		1515.3							
	OBS	0700	12.20	35.547	26.95		1510.3							
	OBS	0800	10.15	35.301	27.18		1504.5							
	OBS	0810	09.96	35.319	27.23		1504.0							
	OBS	0820	09.96	35.339	27.24		1504.2							
	OBS	0900	08.89	35.232	27.34		1501.4							
	OBS	0940	07.98	35.225	27.47		1498.6							
	OBS	0950	08.01	35.225	27.47		1498.9							
	OBS	1000	07.22	35.161	27.53		1496.6							
	OBS	1100	05.71	35.037	27.64		1492.1							
	OBS	1160	05.26	35.061	27.71		1491.3							
	OBS	1180	05.43	35.096	27.72		1492.4							
	OBS	1200	05.48	35.104	27.72		1493.0							
	OBS	1300	05.07	35.088	27.76		1492.9							
	OBS	1400	04.61	35.047	27.78		1492.7							
	OBS	01500	04.50	35.053	27.80		1493.9							

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TABLE V.—Continued

REF ID	31	8094	YEAR	1969	BOTDP	04023	AIR TEMP	18.1	DIR HGT PER	WIND-OIR	16	INST STO RECORDER	TEN SQ 1206
CONSEC		0013	MONTH	03	SHIP YA		WET BULB	16.7	15 2 4	WIND-SPD	11	TRACE OIR	5 SQUARE 4
LAT	35	07.5N	DAY	29	DATA USE	1	BAROMETR	1030.6	SEA	WIND-FUR		DURATION	2 SQUARE 48
LCNG	048	02 W	HOUR	12.3	AREA	05	CLCUD T/A		CL/TR	WEATHER	X2	ORIG E25 013	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.3	OBS	0000	17.06	36.425	26.61		1515.4							
	OBS	0010	17.06	36.422	26.61		1515.6							
	OBS	0020	17.06	36.413	26.60		1515.8							
	OBS	0030	17.01	36.417	26.62		1515.8							
	OBS	0050	16.99	36.423	26.63		1516.1							
	OBS	0075	16.98	36.424	26.63		1516.4							
	OBS	0100	16.98	36.425	26.63		1516.8							
	OBS	0125	16.98	36.427	26.63		1517.3							
	OBS	0150	16.97	36.427	26.63		1517.6							
	OBS	0200	16.99	36.452	26.65		1518.0							
	OBS	0250	16.98	36.450	26.65		1519.3							
	OBS	0300	16.96	36.443	26.65		1520.1							
	OBS	0400	16.82	36.419	26.66		1521.3							
	OBS	0450	16.70	36.397	26.67		1521.7							
	OBS	0500	15.54	36.086	26.71		1518.6							
	OBS	0600	14.36	35.873	26.80		1516.3							
	OBS	0700	12.10	35.544	27.01		1510.0							
	OBS	0800	10.17	35.292	27.17		1504.5							
	OBS	0900	08.28	35.100	27.33		1498.9							
	OBS	0910	08.09	35.076	27.34		1498.4							
	OBS	0950	07.56	35.181	27.50		1497.1							
	OBS	0975	07.27	35.174	27.54		1496.4							
	OBS	1000	06.90	35.129	27.55		1495.3							
	OBS	1100	05.62	35.012	27.63		1491.7							
	OBS	1200	04.92	35.001	27.71		1490.5							
	OBS	1280	04.77	35.018	27.74		1491.3							
	OBS	1300	04.82	35.041	27.75		1491.9							
	OBS	1320	04.94	35.060	27.75		1492.7							
	OBS	1400	04.66	35.038	27.77		1492.9							
	OBS	1500	04.45	35.028	27.78		1493.7							

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REF ID	31	8094	YEAR	1969	BOTOP	01920	AIR TEMP	19.7	DIR HGT PER	WIND-OIR	18	INST STO RECORDER	TEN SQ 1206
CONSEC		0014	MONTH	03	SHIP YA		WET BULB	17.8	13 2 3	WIND-SPD	08	TRACE DIR	5 SQUARE 4
LAT	35	08 N	DAY	29	DATA USE	1	BAROMETR	1029.2	SEA	WIND-FUR		DURATION	2 SQUARE 48
LONG	048	01 W	HOUR	19.0	AREA	05	CLCUD T/A		CL/TR	WEATHER	X1	ORIG E25 014	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
19.0	OBS	0000	17.63	36.444	26.49		1517.1							
	OBS	0010	17.48	36.444	26.52		1516.9							
	OBS	0020	17.33	36.439	26.56		1516.0							
	OBS	0030	17.25	36.443	26.58		1516.5							
	OBS	0050	17.23	36.449	26.59		1516.8							
	OBS	0075	17.16	36.442	26.60		1517.0							
	OBS	0100	17.13	36.440	26.60		1517.3							
	OBS	0125	17.11	36.437	26.61		1517.7							
	OBS	0150	17.07	36.438	26.62		1518.0							
	OBS	0200	17.00	36.434	26.63		1518.6							
	OBS	0250	16.99	36.432	26.63		1519.3							
	OBS	0300	16.91	36.420	26.64		1519.9							
	OBS	0400	16.92	36.449	26.66		1521.6							
	OBS	0430	16.91	36.436	26.65		1522.1							
	OBS	0470	16.36	36.334	26.71		1521.0							
	OBS	0500	16.23	36.303	26.71		1521.0							
	OBS	0550	15.84	36.189	26.72		1520.5							
	OBS	0600	14.49	35.889	26.79		1516.7							
	OBS	0700	12.45	35.603	26.99		1511.3							
	OBS	0800	10.92	35.322	27.06		1507.2							
	OBS	0900	08.09	35.097	27.36		1498.2							
	OBS	0950	07.42	35.113	27.47		1496.5							
	OBS	0970	07.48	35.163	27.50		1497.1							
	OBS	1000	06.98	35.148	27.56		1495.7							
	OBS	1100	06.08	35.118	27.66		1493.7							
	OBS	1200	05.53	35.094	27.71		1493.1							
	OBS	1300	04.97	35.081	27.76		1492.5							
	OBS	1400	04.66	35.038	27.77		1492.9							
	OBS	1500	04.45	35.023	27.78		1493.7							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BTOP 04087	AIR TEMP	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 03	SHIP YA	WET BULB	16 2 5	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 30	DATA USE 1	BAROMETR	SEA	WIND-FUR	DURATION 00.4	2 SQUARE 48
LONG 048 09 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 015	1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.53	36.445	26.51		1516.9							
	UBS	00010	17.48	36.442	26.52		1516.9							
	OBS	00020	17.41	36.445	26.54		1516.8							
	OBS	00030	17.36	36.432	26.54		1516.8							
	OBS	00050	17.16	36.430	26.55		1516.6							
	OBS	00075	17.11	36.433	26.60		1516.8							
	OBS	00100	17.11	36.434	26.61		1517.2							
	OBS	00125	17.09	36.435	26.61		1517.0							
	OBS	00150	17.09	36.435	26.61		1518.0							
	OBS	00200	17.08	36.438	26.62		1518.6							
	OBS	00250	17.07	36.439	26.62		1519.6							
	OBS	00300	17.05	36.438	26.62		1520.4							
	OBS	00400	17.05	36.444	26.63		1522.0							
	OBS	00490	17.02	36.437	26.63		1523.4							
	OBS	00500	16.84	36.383	26.63		1523.0							
	OBS	00600	15.19	35.981	26.70		1519.0							
	OBS	00700	13.23	35.716	26.92		1514.0							
	OBS	00800	10.57	35.326	27.13		1506.0							
	OBS	00900	08.60	35.203	27.36		1500.3							
	OBS	00972	07.59	35.120	27.45		1497.5							
	OBS	00987	07.41	35.210	27.55		1497.2							
	OBS	01000	07.44	35.192	27.53		1497.5							
	OBS	01100	06.41	35.192	27.64		1495.1							
	OBS	01200	05.71	35.113	27.70		1493.9							
	OBS	01250	05.23	35.074	27.73		1492.7							
	OBS	01300	05.22	35.079	27.73		1493.5							
	OBS	01400	04.69	35.037	27.76		1493.0							
	OBS	01500	04.37	35.022	27.75		1493.3							

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REFID 31 8094	YEAR 1969	BTOP 04755	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 03	SHIP YA	WET BULB 16.C	21 1 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 2
LAT 34 53 N	DAY 30	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FUR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 016	1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.46	36.442	26.53		1516.7							
	UBS	00010	17.43	36.425	26.52		1516.7							
	OBS	00020	17.30	36.434	26.56		1516.5							
	OBS	00030	17.26	36.434	26.57		1516.5							
	OBS	00050	17.16	36.439	26.60		1516.6							
	UBS	00075	17.13	36.441	26.61		1516.9							
	OBS	00100	17.12	36.440	26.61		1517.3							
	OBS	00125	17.10	36.433	26.61		1517.6							
	OBS	00150	17.09	36.435	26.61		1518.0							
	OBS	00200	17.09	36.437	26.61		1518.8							
	OBS	00250	17.05	36.438	26.62		1519.5							
	OBS	00300	17.05	36.438	26.62		1520.4							
	OBS	00400	17.04	36.438	26.62		1522.0							
	OBS	00420	17.04	36.439	26.63		1522.3							
	OBS	00500	16.18	36.175	26.63		1520.7							
	OBS	00600	14.88	35.951	26.75		1518.0							
	OBS	00700	12.79	35.626	26.94		1512.4							
	OBS	00800	10.86	35.410	27.14		1507.1							
	OBS	00900	08.78	35.209	27.34		1501.0							
	OBS	00930	07.89	35.095	27.38		1497.9							
	OBS	00950	07.60	35.147	27.47		1497.2							
	OBS	01000	06.51	35.033	27.53		1493.7							
	OBS	01025	06.25	35.013	27.55		1493.0							
	OBS	01050	06.56	35.142	27.61		1494.8							
	OBS	01100	06.22	35.124	27.64		1494.3							
	OBS	01200	05.55	35.079	27.71		1493.2							
	OBS	01300	05.19	35.079	27.74		1493.4							
	OBS	01400	04.87	35.060	27.76		1493.8							
	OBS	01500	04.56	35.032	27.77		1494.1							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTOP 04663	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 03	SHIP YA	WET BULB 16.2	17 2 4	WIND-SPD 04	TRACE DIR 0	5 SQUARE 2
LAT 34 51 N	DAY 30	DATA USE 1	BAROMETR 1031.3	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 46
LONG 047 20 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 017	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	085	00000	17.45	36.440	26.53		1516.6							
	085	00010	17.45	36.446	26.53		1516.6							
	085	00020	17.48	36.445	26.52		1517.0							
	085	00030	17.45	36.446	26.53		1517.1							
	085	00050	17.35	36.441	26.55		1517.1							
	085	00075	17.25	36.443	26.58		1517.3							
	085	00100	17.15	36.442	26.60		1517.4							
	085	00125	17.14	36.446	26.61		1517.8							
	085	00150	17.11	36.446	26.61		1518.1							
	085	00200	17.10	36.443	26.61		1518.9							
	085	00250	17.08	36.440	26.62		1519.6							
	085	00300	17.08	36.440	26.62		1520.4							
	085	00400	16.98	36.410	26.62		1521.8							
	085	00470	16.80	36.343	26.61		1522.3							
	085	00486	16.60	36.294	26.62		1521.9							
	085	00500	16.43	36.316	26.68		1521.6							
	085	00532	15.94	36.221	26.72		1520.6							
	085	00600	15.10	35.981	26.72		1518.8							
	085	00633	14.40	35.814	26.75		1516.9							
	085	00700	13.27	35.644	26.85		1514.1							
	085	00760	11.75	35.443	27.00		1509.6							
	085	00800	10.93	35.408	27.12		1507.4							
	085	00900	09.11	35.227	27.30		1502.2							
	085	00915	08.77	35.186	27.32		1501.1							
	085	00980	06.91	34.973	27.43		1494.6							
	085	01000	06.69	35.113	27.57		1494.5							
	085	01015	07.00	35.172	27.57		1496.0							
	085	01025	06.87	35.142	27.57		1495.6							
	085	01100	06.33	35.126	27.63		1494.7							
	085	01172	05.51	35.016	27.65		1492.5							
	085	01200	05.61	35.104	27.71		1493.5							
	085	01300	05.11	35.069	27.74		1493.1							
	085	01400	04.82	35.052	27.76		1493.5							
	085	01500	04.49	35.030	27.78		1493.8							

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REFID 31 8094	YEAR 1969	BOTOP 03200	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 03	SHIP YA	WET BULB 15.7	15 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 35 12 N	DAY 30	DATA USE 1	BAROMETR 1029.2	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 46
LONG 047 52 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E25 018	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.0	085	00000	17.64	36.436	26.48		1517.2							
	085	00010	17.31	36.452	26.57		1516.4							
	085	00020	17.26	36.452	26.58		1516.4							
	085	00030	17.17	36.452	26.60		1516.3							
	085	00050	17.07	36.460	26.63		1516.3							
	085	00075	17.03	36.459	26.64		1516.6							
	085	00100	17.03	36.459	26.64		1517.0							
	085	00125	17.02	36.457	26.64		1517.4							
	085	00150	17.01	36.455	26.65		1517.8							
	085	00200	17.00	36.452	26.65		1518.6							
	085	00250	16.93	36.443	26.66		1519.2							
	085	00300	16.85	36.432	26.67		1519.8							
	085	00400	16.55	36.346	26.66		1520.5							
	085	00430	16.09	36.246	26.70		1519.4							
	085	00450	16.20	36.295	26.71		1520.1							
	085	00490	14.99	36.004	26.77		1516.6							
	085	00500	15.14	36.084	26.79		1517.4							
	085	00600	13.71	35.759	26.85		1514.0							
	085	00700	11.77	35.394	26.96		1508.7							
	085	00800	10.13	35.356	27.22		1504.5							
	085	00900	08.50	35.232	27.40		1499.9							
	085	01000	06.68	35.112	27.57		1494.4							
	085	01020	06.50	35.111	27.60		1494.1							
	085	01040	06.53	35.141	27.61		1494.5							
	085	01100	05.94	35.117	27.67		1493.2							
	085	01200	05.46	35.085	27.71		1492.9							
	085	01300	04.95	35.068	27.76		1492.4							
	085	01400	04.59	35.036	27.77		1492.6							
	085	01500	04.41	35.023	27.78		1493.5							

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TABLE V.—Continued

REF ID	31	8094	YEAR	1969	BOTDP	04334	AIR TEMP	17.4	JIR	HGT	PER	WIND-DIR	13	INST	STD	RECORDER	TEN	SQ	1206
CONSEC		0019	MONTH	03	SHIP	YA	WET	BULB	15.0	10	5	WIND-SPD	10	TRACE	DIR	0	5	SQUARE	2
LAT	34	59	N	DAY	30	DATA	USE	1	BAROMETER	1029.9	SEA	WIND-FUR		DURATION	00.4	2	SQUARE	46	
LONG	047	55	W	HOUR	23.9	AREA	05		CLOUD	T/A	CL/TR	WEATHER	X4	ORIG	E25	019	1	SQUARE	47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	0YN DPTH	SNO	VEL	UXYG	PJ4	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	17.56	36.431	26.45			1517.0							
	OBS	00010	17.56	36.432	26.45			1517.2							
	OBS	00020	17.52	36.423	26.50			1517.1							
	OBS	00030	17.29	36.452	26.58			1516.7							
	OBS	00050	17.25	36.452	26.59			1516.9							
	OBS	00075	17.13	36.453	26.61			1516.9							
	OBS	00100	17.06	36.454	26.63			1517.1							
	OBS	00125	17.05	36.457	26.64			1517.5							
	OBS	00150	17.05	36.455	26.64			1517.9							
	OBS	00200	17.05	36.462	26.64			1518.7							
	OBS	00250	17.04	36.457	26.64			1519.5							
	OBS	00300	17.03	36.461	26.65			1520.3							
	OBS	00400	16.99	36.450	26.65			1521.6							
	OBS	00440	16.99	36.447	26.64			1522.9							
	OBS	00475	16.92	36.442	26.66			1522.9							
	OBS	00500	16.59	36.325	26.65			1522.1							
	OBS	00600	14.82	35.942	26.75			1517.8							
	OBS	00700	12.80	35.712	27.00			1512.6							
	OBS	00743	11.98	35.543	27.03			1510.3							
	OBS	00752	11.62	35.453	27.03			1509.1							
	OBS	00800	10.15	35.302	27.18			1504.5							
	OBS	00900	08.17	35.118	27.36			1458.5							
	OBS	00922	07.88	35.066	27.38			1457.8							
	OBS	00940	07.54	35.156	27.45			1496.8							
	OBS	01000	06.87	35.155	27.58			1455.2							
	OBS	01100	06.05	35.130	27.67			1493.6							
	OBS	01200	05.41	35.092	27.72			1452.7							
	OBS	01300	05.10	35.079	27.75			1493.1							
	OBS	01400	04.73	35.049	27.77			1453.2							
	OBS	01500	04.47	35.033	27.78			1453.6							

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REF ID	31	8094	YEAR	1969	BOTDP	03986	AIR TEMP	17.2	JIR	HGT	PER	WIND-DIR	18	INST	STD	RECORDER	TEN	SQ	1206
CONSEC		0020	MONTH	03	SHIP	YA	WET	BULB	15.1	13	5	WIND-SPD	12	TRACE	DIR	0	5	SQUARE	2
LAT	34	59	N	DAY	31	DATA	USE	1	BAROMETER	1028.8	SEA	WIND-FUR		DURATION	00.5	2	SQUARE	46	
LONG	047	55	W	HOUR	05.8	AREA	05		CLOUD	T/A	CL/TR	WEATHER	X4	ORIG	E25	020	1	SQUARE	47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	0YN DPTH	SNO	VEL	UXYG	PJ4	TOT P	NO2	NO3	SI03	PH
05.8	OBS	00000	17.46	36.413	26.50			1516.6							
	OBS	00010	17.45	36.413	26.51			1516.7							
	OBS	00020	17.28	36.451	26.58			1516.5							
	OBS	00030	17.21	36.451	26.55			1516.4							
	OBS	00050	17.12	36.451	26.62			1516.5							
	OBS	00075	17.06	36.458	26.64			1516.7							
	OBS	00100	17.04	36.458	26.64			1517.1							
	OBS	00125	17.04	36.458	26.64			1517.5							
	OBS	00150	17.04	36.459	26.64			1517.9							
	OBS	00200	17.04	36.461	26.64			1518.7							
	OBS	00250	17.01	36.452	26.64			1519.4							
	OBS	00300	16.98	36.450	26.65			1520.2							
	OBS	00400	16.88	36.438	26.66			1521.5							
	OBS	00450	16.85	36.415	26.65			1522.2							
	OBS	00500	15.60	36.083	26.69			1518.8							
	OBS	00540	15.22	36.030	26.73			1518.2							
	OBS	00600	14.11	35.844	26.83			1515.4							
	OBS	00700	12.17	35.604	27.04			1510.3							
	OBS	00800	09.86	35.262	27.20			1503.4							
	OBS	00900	08.06	35.156	27.41			1498.2							
	OBS	00970	07.13	35.159	27.55			1495.8							
	OBS	01000	07.16	35.154	27.54			1496.4							
	OBS	01100	06.23	35.131	27.65			1494.3							
	OBS	01200	05.62	35.103	27.70			1493.5							
	OBS	01300	05.20	35.084	27.74			1493.5							
	OBS	01400	04.75	35.051	27.77			1493.3							
	OBS	01500	04.47	35.025	27.78			1493.7							

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TABLE V.—Continued

REFID 31	8094	YEAR 1969	BOTGP 03060	AIR TEMP 18.0	DIR MGT PER 14	WIND-DIR 14	INST STO RECORDER	TEN SQ 1206
CONSEC 0021		MONTH 03	SHIP YA	WET BULB 16.4	13 2 3	WIND-SPO 07	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N		DAY 31	DATA USE 1	BARGMETR 1029.4	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LGNG 046 00 W		HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG E25 021	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DRYG	PU4	TOT P	NO2	NO3	SI03	PH
11.9	085	00000	17.53	36.463	26.53		1516.9							
	085	00010	17.55	36.460	26.51		1517.1							
	085	00020	17.26	36.452	26.58		1516.4							
	085	00030	17.21	36.453	26.60		1516.4							
	085	00050	17.10	36.453	26.62		1516.4							
	085	00075	17.06	36.456	26.63		1516.7							
	085	00100	17.05	36.456	26.64		1517.1							
	085	00125	17.04	36.460	26.64		1517.5							
	085	00150	17.04	36.460	26.64		1517.9							
	085	00200	17.04	36.460	26.64		1518.7							
	085	00250	17.03	36.454	26.64		1519.5							
	085	00300	16.98	36.449	26.65		1520.2							
	085	00400	16.89	36.436	26.66		1521.5							
	085	00435	16.87	36.430	26.66		1522.3							
	085	00500	15.67	36.100	26.65		1515.0							
	085	00520	15.25	36.032	26.74		1513.1							
	085	00552	15.05	36.029	26.77		1517.9							
	085	00561	14.78	35.944	26.77		1517.1							
	085	00575	14.61	35.916	26.76		1516.7							
	085	00600	14.09	35.838	26.83		1515.4							
	085	00700	12.46	35.635	27.01		1511.3							
	085	00800	10.59	35.373	27.16		1506.1							
	085	00893	08.42	35.168	27.36		1495.4							
	085	00900	08.41	35.157	27.35		1495.5							
	085	00914	08.10	35.166	27.41		1498.6							
	085	00946	07.50	35.158	27.49		1496.8							
	085	00995	07.15	35.194	27.57		1496.3							
	085	01000	07.11	35.183	27.57		1496.2							
	085	01100	06.01	35.117	27.66		1493.4							
	085	01200	05.33	35.086	27.73		1492.3							
	085	01300	05.00	35.067	27.75		1492.6							
	085	01400	04.68	35.037	27.76		1493.0							
	085	01500	04.37	35.017	27.78		1493.3							

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REFID 31	8094	YEAR 1969	BOTGP 03060	AIR TEMP 18.0	DIR MGT PER 17	WIND-DIR 17	INST STO RECORDER	TEN SQ 1206
CONSEC 0022		MONTH 03	SHIP YA	WET BULB 16.2	17 2 2	WIND-SPO 15	TRACE DIR 0	5 SQUARE 4
LAT 35 06 N		DAY 31	DATA USE 1	BARGMETR 1027.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LGNG 048 02 W		HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER XI	ORIG E25 022	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	DRYG	PU4	TOT P	NO2	NO3	SI03	PH
18.1	085	00000	17.67	36.433	26.47		1517.3							
	085	00010	17.58	36.398	26.46		1517.1							
	085	00020	17.24	36.453	26.55		1516.3							
	085	00030	17.14	36.460	26.62		1516.2							
	085	00050	17.11	36.460	26.62		1516.5							
	085	00075	17.06	36.461	26.64		1516.7							
	085	00100	17.05	36.462	26.64		1517.1							
	085	00125	17.05	36.466	26.64		1517.5							
	085	00150	17.05	36.467	26.64		1517.9							
	085	00200	17.05	36.467	26.64		1518.7							
	085	00250	17.03	36.463	26.65		1519.5							
	085	00300	17.01	36.460	26.65		1520.3							
	085	00400	16.93	36.446	26.66		1521.7							
	085	00420	16.89	36.416	26.64		1521.8							
	085	00500	15.93	36.234	26.73		1520.0							
	085	00530	15.98	36.261	26.74		1520.7							
	085	00600	14.26	35.848	26.80		1515.9							
	085	00700	12.00	35.543	27.03		1509.7							
	085	00800	09.64	35.293	27.26		1502.6							
	085	00900	08.09	35.210	27.44		1496.4							
	085	01000	07.04	35.175	27.57		1495.9							
	085	01100	06.18	35.130	27.65		1495.1							
	085	01200	05.49	35.085	27.70		1492.6							
	085	01300	05.61	35.104	27.71		1493.5							
	085	01400	05.08	35.081	27.75		1493.0							
	085	01500	04.51	35.056	27.60		1492.3							
	085	01500	04.46	35.033	27.78		1493.7							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 02972 AIR TEMP 17.5 OIR HGT PER WIND-OIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 04 SHIP YA WET BULB 16.1 13 3 3 WIND-SPD 15 TRACE OIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 01 DATA USE 1 BAROMETR 1028.3 SEA WIND-FGR DURATION 00.4 2 SQUARE 46  
 LONG 047 43 W HOUR 00.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 023 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
00.6	08S	00000	17.88	36.487	26.46		1517.9							
	08S	00010	17.83	36.495	26.48		1518.0							
	08S	00020	17.16	36.435	26.59		1516.1							
	08S	00030	17.11	36.436	26.61		1516.1							
	08S	00050	17.09	36.442	26.62		1516.4							
	08S	00075	17.07	36.440	26.62		1516.7							
	08S	00100	17.07	36.440	26.62		1517.1							
	08S	00125	17.07	36.441	26.62		1517.5							
	08S	00150	17.07	36.442	26.62		1518.0							
	08S	00200	17.07	36.444	26.62		1518.8							
	08S	00250	17.06	36.446	26.63		1519.6							
	08S	00300	17.06	36.446	26.63		1520.4							
	08S	00315	17.05	36.446	26.63		1520.6							
	08S	00345	16.96	36.426	26.63		1520.8							
	08S	00370	17.03	36.471	26.65		1521.5							
	08S	00400	17.03	36.454	26.64		1522.0							
	08S	00460	17.00	36.450	26.64		1522.9							
	08S	00500	16.82	36.405	26.65		1522.9							
	08S	00600	14.95	35.952	26.73		1516.3							
	08S	00700	12.74	35.597	26.93		1512.2							
	08S	00800	10.67	35.393	27.16		1506.5							
	08S	00900	08.41	35.177	27.37		1499.5							
	08S	01000	07.23	35.176	27.55		1496.7							
	08S	01100	06.38	35.156	27.65		1495.0							
	08S	01200	05.24	35.053	27.71		1491.9							
	08S	01300	05.09	35.079	27.75		1493.0							
	08S	01400	04.66	35.038	27.77		1492.9							
	08S	01500	04.42	35.029	27.79		1493.5							

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REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 17.6 OIR HGT PER WIND-OIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 04 SHIP YA WET BULB 16.0 18 3 2 WIND-SPD 20 TRACE OIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1026.1 SEA WIND-FGR DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 024 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	08S	00000	18.06	36.548	26.46		1518.5							
	08S	00010	18.06	36.548	26.46		1518.7							
	08S	00020	18.05	36.547	26.46		1518.8							
	08S	00030	17.83	36.497	26.48		1518.3							
	08S	00050	17.35	36.429	26.54		1517.1							
	08S	00075	17.20	36.435	26.58		1517.1							
	08S	00100	17.09	36.434	26.61		1517.2							
	08S	00125	17.06	36.433	26.62		1517.5							
	08S	00150	17.05	36.437	26.62		1517.9							
	08S	00200	17.05	36.440	26.62		1518.7							
	08S	00250	17.03	36.443	26.63		1519.5							
	08S	00300	17.03	36.446	26.63		1520.3							
	08S	00400	16.86	36.428	26.66		1521.5							
	08S	00500	16.70	36.394	26.67		1522.5							
	08S	00600	14.37	35.880	26.81		1516.3							
	08S	00700	12.74	35.663	26.98		1512.3							
	08S	00800	10.59	35.373	27.16		1506.1							
	08S	00900	08.71	35.226	27.36		1500.7							
	08S	01000	06.66	35.054	27.53		1494.3							
	08S	01030	06.34	35.082	27.59		1493.5							
	08S	01050	06.60	35.116	27.59		1495.0							
	08S	01100	06.21	35.137	27.65		1494.3							
	08S	01140	05.63	35.108	27.71		1492.6							
	08S	01200	05.52	35.097	27.71		1493.1							
	08S	01300	04.98	35.062	27.75		1492.5							
	08S	01400	04.69	35.042	27.77		1493.0							
	08S	01500	04.44	35.024	27.78		1493.6							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 03383 AIR TEMP 17.9 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 04 SHIP YA MET BULB 16.0 WIND-SPO 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 01 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 48 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E25 025 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
11.9	085	00000	17.73	36.482	26.45		1517.5							
	085	00010	17.73	36.473	26.48		1517.6							
	085	00020	17.48	36.415	26.50		1517.0							
	085	00030	17.23	36.436	26.58		1516.5							
	085	00050	17.11	36.421	26.60		1516.4							
	085	00075	17.05	36.431	26.62		1516.7							
	085	00100	17.05	36.431	26.62		1517.1							
	085	00125	17.05	36.432	26.62		1517.5							
	085	00150	17.05	36.428	26.61		1517.9							
	085	00200	17.05	36.456	26.64		1518.7							
	085	00250	17.04	36.453	26.64		1519.5							
	085	00300	17.01	36.445	26.64		1520.2							
	085	00400	17.93 P	36.428	26.400*									
	085	00500	16.18	36.296	26.72		1520.9							
	085	00600	14.26	35.888	26.84		1516.0							
	085	00700	12.38	35.554	26.96		1511.0							
	085	00800	10.22	35.350	27.21		1504.8							
	085	00825	09.79	35.349	27.28		1503.0							
	085	00840	09.12	35.220	27.25		1501.3							
	085	00900	07.91	35.114	27.40		1497.5							
	085	00991	06.87	35.073	27.51		1495.0							
	085	01000	06.74	35.164	27.60		1494.7							
	085	01012	06.75	35.166	27.60		1495.0							
	085	01028	06.41	35.166	27.65		1493.9							
	085	01100	05.88	35.108	27.67		1492.9							
	085	01200	05.27	35.082	27.73		1492.1							
	085	01300	04.80	35.052	27.76		1491.8							
	085	01400	04.51	35.027	27.77		1492.2							
	085	01500	04.30	35.011	27.78		1493.0							

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REFID 31 8094 YEAR 1969 BOTOP SHIP YA AIR TEMP 17.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0026 MONTH 04 MET BULB 17.0 WIND-SPO 21 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 01 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 55 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E25 026 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
18.1	085	00000	18.06	36.540	26.45		1518.5							
	085	00010	18.05	36.553	26.47		1518.7							
	085	00020	18.04	36.559	26.47		1518.8							
	085	00030	18.03	36.552	26.47		1518.9							
	085	00040	17.87	36.458	26.44*		1518.5							
	085	00050	17.51	36.451	26.52		1517.6							
	085	00075	17.24	36.408	26.55		1517.2							
	085	00100	17.15	36.433	26.59		1517.4							
	085	00125	17.09	36.440	26.61		1517.6							
	085	00150	17.07	36.435	26.62		1517.9							
	085	00200	17.05	36.433	26.62		1518.7							
	085	00250	17.02	36.442	26.63		1519.5							
	085	00300	16.98	36.436	26.64		1520.1							
	085	00330	16.84	36.419	26.66		1520.2							
	085	00400	16.78	36.409	26.66		1521.2							
	085	00450	16.74	36.409	26.67		1521.9							
	085	00500	15.63	36.105	26.70		1518.9							
	085	00600	13.29	35.732	26.92		1512.6							
	085	00622	13.19	35.732	26.94		1512.6							
	085	00700	11.96	35.573	27.06		1509.6							
	085	00800	10.26	35.345	27.20		1504.9							
	085	00806	09.81	35.280	27.22		1503.3							
	085	00852	09.40	35.166	27.20		1502.4							
	085	00864	08.67	35.149	27.31		1499.9							
	085	00900	08.04	35.101	27.37		1498.0							
	085	01000	06.61	35.111	27.58		1494.2							
	085	01097	06.01	35.093	27.65		1493.4							
	085	01100	06.02	35.110	27.66		1493.5							
	085	01200	05.49	35.093	27.71		1493.0							
	085	01300	05.13	35.078	27.74		1493.2							
	085	01400	04.70	35.041	27.76		1493.0							
	085	01500	04.49	35.026	27.78		1493.8							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 02651 AIP TEMP 17.3 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206  
 CGNSFC 0027 MDNTH 04 SHIP YA NET BULB 15.5 00 0 0 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 02 DATA USE 1 BARGMETR 1025.2 SEA WIND-FUR DURATION 00.4 2 SQUARE 46  
 LONG 047 47 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 GRIG E25 027 1 SQUARE 57

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
00.2	085	00000	17.35	36.353	26.48		1516.2							
	085	00010	17.35	36.373	26.50		1516.4							
	085	00020	17.35	36.430	26.54		1516.6							
	085	00030	17.30	36.440	26.56		1516.7							
	085	00050	17.21	36.442	26.55		1516.7							
	085	00075	17.07	36.445	26.62		1516.7							
	085	00100	17.04	36.441	26.63		1517.0							
	085	00125	17.03	36.457	26.64		1517.4							
	085	00150	17.03	36.457	26.64		1517.9							
	085	00200	17.03	36.454	26.64		1518.7							
	085	00250	17.03	36.453	26.64		1519.5							
	085	00300	17.03	36.453	26.64		1520.3							
	085	00350	16.92	36.419	26.64		1520.8							
	085	00400	16.52	36.355	26.65		1520.3							
	085	00420	16.49											
	085	00440	16.54	36.375	26.70		1521.1							
	085	00470	16.37	36.324	26.70		1521.0							
	085	00490	16.43	36.375	26.72		1521.5							
	085	00500	16.04	36.313	26.76		1520.4							
	085	00600	14.23	35.828	26.80		1515.8							
	085	00700	11.92	35.507	27.02		1509.3							
	085	00800	10.14	35.320	27.20		1504.5							
	085	00845	08.93	35.179	27.25		1500.6							
	085	00858	09.14	35.294	27.34		1501.7							
	085	00900	08.40	35.202	27.35		1499.5							
	085	01000	06.63	35.113	27.58		1494.2							
	085	01100	05.78	35.111	27.65		1492.5							
	085	01200	05.31	35.093	27.73		1492.3							
	085	01300	04.89	35.062	27.76		1492.2							
	085	01400	04.65	35.049	27.78		1492.8							
	085	01500	04.31	35.019	27.79		1493.1							

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REFID 31 8094 YEAR 1969 BOTOP 03603 AIP TEMP 15.3 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1206  
 CGNSFC 0028 MDNTH 04 SHIP YA NET BULB 13.6 36 3 2 WIND-SPD 23 TRACE DIR 0 5 SQUARE 2  
 LAT 34 29 N DAY 02 DATA USE 1 BARGMETR 1025.4 SEA WIND-FUR DURATION 00.4 2 SQUARE 46  
 LONG 047 52 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRIG E25 028 1 SQUARE 47

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
06.0	085	00000	18.16	36.533	26.42		1516.8							
	085	00010	18.16	36.543	26.43		1517.0							
	085	00020	18.16	36.581	26.46		1517.2							
	085	00030	18.17	36.577	26.45		1517.4							
	085	00050	18.08	36.574	26.46		1519.4							
	085	00075	17.84	36.515	26.45		1519.1							
	085	00100	17.59	36.485	26.53		1518.7							
	085	00125	17.49	36.460	26.53		1518.6							
	085	00150	17.40	36.451	26.55		1518.9							
	085	00200	17.25	36.436	26.57		1519.3							
	085	00250	17.21	36.418	26.57		1520.0							
	085	00300	17.14	36.430	26.55		1520.6							
	085	00400	17.04	36.430	26.62		1522.0							
	085	00415	17.04	36.426	26.62		1522.2							
	085	00500	15.87	36.145	26.66		1519.7							
	085	00600	14.08	35.847	26.84		1515.3							
	085	00700	12.41	35.605	27.00		1511.1							
	085	00800	10.15	35.302	27.18		1504.2							
	085	00900	08.28	35.177	27.39		1499.0							
	085	01000	06.83	35.144	27.58		1495.1							
	085	01100	06.03	35.089	27.64		1493.5							
	085	01160	05.52	35.085	27.70		1492.4							
	085	01200	05.58	35.105	27.71		1493.4							
	085	01300	05.02	35.072	27.75		1492.7							
	085	01400	04.65	35.047	27.77		1492.8							
	085	01500	04.43	35.025	27.76		1493.6							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP 04846	AIR TEMP 15.8	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1206
CONSEC 0029	MONTH 04	SHIP YA	WET BULB 12.6	W1 5 4	WIND-SPD 22	TRACE DIR 0	5 SQUARE 2
LAT 34 50 N	DAY 02	DATA USE 1	BARK METF 1027.9	SEA	W1.0-FUR	DURATION 03.5	2 SQUARE 40
LONG 047 51 W	HOURL 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	DRIG E25 029	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SID3	PH
12.0	DBS	0000	18.11	36.543	26.44		1518.7							
	DBS	0010	18.11	36.545	26.44		1518.6							
	DBS	0020	18.11	36.549	26.45		1518.0							
	DBS	0030	18.11	36.551	26.45		1519.2							
	DBS	0050	17.85	36.510	26.48		1516.7							
	DBS	0075	17.26	36.410	26.55		1517.3							
	DBS	00100	17.19	36.418	26.57		1517.5							
	DBS	00125	17.14	36.424	26.55		1517.7							
	DBS	00150	17.13	36.441	26.61		1518.1							
	DBS	00200	17.10	36.444	26.62		1518.9							
	DBS	00250	17.04	36.442	26.63		1519.5							
	DBS	00300	17.05	36.444	26.63		1520.4							
	DBS	00400	17.05	36.445	26.63		1522.0							
	DBS	00500	16.99	36.433	26.63		1523.5							
	DBS	00600	15.17	35.978	26.71		1519.0							
	DBS	00700	13.16	35.665	26.85		1513.7							
	DBS	00800	10.36	35.305	27.14		1505.6							
	DBS	00900	08.30	35.108	27.33		1499.0							
	DBS	01000	06.46	35.037	27.54		1492.5							
	DBS	01080	06.15	35.108	27.64		1493.7							
	DBS	01100	06.00	35.082	27.64		1493.4							
	DBS	01150	05.90	35.058	27.66		1493.5							
	DBS	01200	05.25	35.042	27.70		1491.9							
	DBS	01300	05.10	35.075	27.74		1493.0							
	DBS	01400	04.74	35.045	27.76		1493.2							
	DBS	01500	04.48	35.031	27.78		1493.8							

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REFID 31 8094	YEAR 1969	BOTDP 04389	AIR TEMP 15.1	DIR HGT PER	WIND-DIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0030	MONTH 04	SHIP YA	WET BULB 12.8	W1 4 3	WIND-SPD 25	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 02	DATA USE 1	BARK METR 1027.8	SEA	WIND-FUR	DURATION 00.6	2 SQUARE 48
LONG 048 03 W	HOURL 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	DRIG E25 030	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SID3	PH
18.0	DBS	00000	17.91	36.525	26.48		1518.1							
	DBS	00010	17.91	36.525	26.48		1518.2							
	DBS	00020	17.73	36.487	26.45		1517.8							
	DBS	00030	17.54	36.472	26.53		1517.4							
	DBS	00050	17.28	36.432	26.56		1516.9							
	DBS	00075	17.09	36.433	26.61		1516.8							
	DBS	00100	17.05	36.434	26.62		1517.1							
	DBS	00125	17.04	36.430	26.62		1517.4							
	DBS	00150	17.04	36.439	26.63		1517.9							
	DBS	00200	17.04	36.448	26.63		1518.7							
	DBS	00250	17.03	36.447	26.63		1519.5							
	DBS	00300	17.03	36.453	26.64		1520.3							
	DBS	00400	16.99	36.437	26.64		1521.8							
	DBS	00500	15.86	36.145	26.68		1519.7							
	DBS	00600	13.92	35.787	26.83		1514.7							
	DBS	00700	12.35	35.601	27.01		1510.9							
	DBS	00800	10.03	35.304	27.20		1504.0							
	DBS	00900	07.69	35.089	27.41		1498.7							
	DBS	00950	06.63	35.132	27.59		1494.1							
	DBS	01000	06.66	35.147	27.60		1494.4							
	DBS	01025	06.54	35.149	27.62		1494.3							
	DBS	01100	06.08	35.145	27.68		1493.8							
	DBS	01200	05.41	35.088	27.72		1492.7							
	DBS	01300	04.96	35.051	27.74		1492.4							
	DBS	01400	04.64	35.039	27.77		1492.8							
	DBS	01500	04.41	35.021	27.78		1493.5							

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TABLE V.—Continued

REFID	31	8094	YEAR	1969	BOTOP	03676	AIR TEMP	17.4	DIR HGT PER	WIND-DIR	15	INST STD RECORDER	TEN SQ	1206
CONSEC		0031	MONTH	04	SHIP YA		WET BULB	15.6	15 2 3	WIND-SPD	15	TRACE DIR	0	5 SQUARE 4
LAT	35	05 N	DAY	03	DATA USE	1	BAROMETR	1024.0	SEA	WIND-FOR		DURATION	00.5	2 SQUARE 46
LONG	047	54 W	HOUR	19.0	AREA	05	CLOUD T/A		CL/TR	WEATHER	X1	ORIG E25	031	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	UXYG	P04	TCT P	NO2	NO3	SIU3	PH
19.0	08S	00000	17.86	36.506	26.48		1517.9							
	08S	00010	17.83	36.513	26.49		1518.0							
	08S	00020	17.48	36.455	26.53		1517.1							
	08S	00030	17.31	36.443	26.56		1516.7							
	08S	00050	17.26	36.436	26.57		1516.9							
	08S	00075	17.22	36.430	26.58		1517.2							
	08S	00100	17.05	36.432	26.62		1517.1							
	08S	00125	17.05	36.449	26.63		1517.5							
	08S	00150	17.05	36.450	26.63		1517.9							
	08S	00200	17.05	36.454	26.63		1518.7							
	08S	00300	17.04	36.451	26.63		1520.3							
	08S	00330	17.04	36.441	26.63		1520.8							
	08S	00392	16.53	36.319	26.66		1520.2							
	08S	00400	16.71	36.423	26.65		1521.0							
	08S	00430	16.75	36.449	26.70		1521.6							
	08S	00500	15.12	36.022	26.75		1517.2							
	08S	00600	13.38	35.715	26.85		1512.9							
	08S	00700	11.37	35.364	27.01		1507.2							
	08S	00725	10.78	35.398	27.14		1505.6							
	08S	00749	10.12	35.267	27.16		1503.5							
	08S	00800	09.42	35.260	27.27		1501.8							
	08S	00842	09.25	35.305	27.34		1501.9							
	08S	00900	08.07	35.164	27.41		1498.2							
	08S	00959	07.31	35.215	27.56		1496.3							
	08S	01000	06.78	35.179	27.61		1494.9							
	08S	01100	05.52	35.045	27.67		1491.4							
	08S	01157	05.52	35.131	27.74		1492.4							
	08S	01200	05.39	35.094	27.72		1492.6							
	08S	01300	04.73	35.025	27.75		1491.5							
	08S	01400	04.59	35.049	27.78		1492.6							
	08S	01500	04.40	35.034	27.79		1493.5							

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REFID	31	8094	YEAR	1969	BOTOP	03536	AIR TEMP	17.5	DIR HGT PER	WIND-DIR	15	INST STD RECORDER	TEN SQ	1206
CONSEC		0032	MONTH	04	SHIP YA		WET BULB	16.3	15 3 2	WIND-SPD	24	TRACE DIR	0	5 SQUARE 4
LAT	35	04 N	DAY	03	DATA USE	1	BAROMETR	1023.7	SEA	WIND-FOR		DURATION	00.4	2 SQUARE 46
LONG	047	58 W	HOUR	23.9	AREA	05	CLOUD T/A		CL/TR	WEATHER	X2	ORIG E25	032	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	UXYG	P04	TCT P	NO2	NO3	SIU3	PH
23.9	08S	00000	17.76	36.485	26.45		1517.6							
	08S	00010	17.76	36.492	26.45		1517.7							
	08S	00020	17.76	36.492	26.45		1517.9							
	08S	00030	17.73	36.472	26.48		1518.0							
	08S	00050	17.28	36.431	26.56		1516.9							
	08S	00075	17.23	36.431	26.57		1517.2							
	08S	00100	17.10	36.440	26.61		1517.2							
	08S	00125	17.11	36.445	26.61		1517.7							
	08S	00150	17.11	36.446	26.61		1518.1							
	08S	00200	17.10	36.445	26.62		1518.9							
	08S	00250	17.09	36.443	26.62		1517.7							
	08S	00300	17.00	36.441	26.64		1520.2							
	08S	00370	16.98	36.425	26.63		1521.3							
	08S	00400	16.67	36.324	26.63		1520.7							
	08S	00500	15.71	36.134	26.70		1515.2							
	08S	00600	14.07	35.821	26.82		1515.3							
	08S	00700	11.58	35.449	27.04		1506.1							
	08S	00800	09.33	35.290	27.31		1501.5							
	08S	00900	07.36	35.166	27.52		1495.5							
	08S	01000	06.30	35.112	27.62		1492.9							
	08S	01070	05.47	35.071	27.70		1490.7							
	08S	01090	05.53	35.070	27.65		1491.3							
	08S	01100	05.48	35.088	27.71		1491.3							
	08S	01200	04.84	35.006	27.72		1490.2							
	08S	01300	04.82	35.060	27.76		1491.9							
	08S	01400	04.48	35.036	27.78		1492.1							
	08S	01500	04.23	35.018	27.80		1492.7							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04114 AIR TEMP 16.9 DIR HGT PER WIND-DIR 26 INST STO RECCORRER TEN SQ 1206  
 CONSEC 0033 MONTH 04 SHIP YA MET BULB 14.5 00 0 0 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEAHTER X2 ORIG E25 033 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
05.7	OBS	00000	17.64	36.463	26.50		1517.2							
	OBS	00010	17.62	36.472	26.51		1517.3							
	OBS	00020	17.61	36.469	26.51		1517.4							
	OBS	00030	17.58	36.467	26.52		1517.5							
	OBS	00050	17.41	36.458	26.55		1517.3							
	OBS	00075	17.34	36.442	26.56		1517.5							
	OBS	00100	17.27	36.437	26.57		1517.7							
	OBS	00125	17.17	36.436	26.57		1517.8							
	OBS	00150	17.04	36.417	26.61		1517.8							
	OBS	00200	17.03	36.432	26.62		1518.6							
	OBS	00250	17.04	36.423	26.61		1519.5							
	OBS	00300	16.86	36.380	26.62		1519.7							
	OBS	00400	15.92	36.162	26.68		1518.2							
	OBS	00500	14.99	35.993	26.76		1516.8							
	OBS	00600	13.53	35.750	26.88		1513.4							
	OBS	00700	11.80	35.367	26.93		1508.7							
	OBS	00800	09.43	35.280	27.29		1501.8							
	OBS	00900	07.71	35.155	27.46		1456.8							
	OBS	01000	06.60	35.138	27.60		1454.1							
	OBS	01100	05.69	35.079	27.68		1492.1							
	OBS	01200	05.06	35.046	27.73		1491.2							
	OBS	01300	04.89	35.061	27.76		1492.2							
	OBS	01400	04.51	35.037	27.78		1492.3							
	OBS	01500	04.31	35.023	27.79		1453.1							

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REFID 31 8094 YEAR 1969 BOTOP 04150 AIR TEMP 17.0 DIR HGT PER WIND-DIR 17 INST STO RECCORRER TEN SQ 1206  
 CONSEC 0034 MONTH 04 SHIP YA MET BULB 14.5 30 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 04 DATA USE 1 BAROMETR 1023.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEAHTER X2 ORIG E25 034 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	17.56	36.469	26.52		1517.0							
	OBS	00010	17.50	36.471	26.52		1517.1							
	OBS	00020	17.56	36.471	26.52		1517.3							
	OBS	00030	17.47	36.460	26.54		1517.2							
	OBS	00050	17.33	36.440	26.56		1517.1							
	OBS	00075	17.28	36.436	26.57		1517.3							
	OBS	00100	17.22	36.421	26.57		1517.6							
	OBS	00125	17.20	36.423	26.57		1517.9							
	OBS	00150	17.12	36.427	26.60		1516.1							
	OBS	00200	17.02	36.429	26.62		1518.6							
	OBS	00300	16.92	36.440	26.66		1520.0							
	OBS	00370	15.94	36.199	26.70		1517.7							
	OBS	00400	16.08	36.255	26.71		1516.9							
	OBS	00500	14.87	35.986	26.78		1516.4							
	OBS	00600	13.42	35.748	26.90		1513.0							
	OBS	00700	11.35	35.395	27.04		1507.1							
	OBS	00800	09.32	35.213	27.33		1501.5							
	OBS	00900	08.72	35.190	27.33		1459.4							
	OBS	00950	08.17	35.139	27.38		1457.7							
	OBS	00900	09.64 P	35.203	27.150*									
	OBS	01000	06.41	35.115	27.61		1493.4							
	OBS	01100	05.67	35.089	27.69		1492.0							
	OBS	01200	05.07	35.083	27.75		1491.3							
	OBS	01300	04.91	35.067	27.76		1492.3							
	OBS	01400	04.62	35.045	27.78		1492.7							
	OBS	01500	04.38	35.031	27.79		1453.4							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTOP 04014	AIR TEMP 17.7	DIR HGT PER	WIND-OIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0035	MONTH 04	SHIP YA	WET BULB 15.2	25 2 3	WIND-SPO 08	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N	DAY 04	DATA USE 1	BAROMETR 1022.8	SEA	WIND-FOR	DURATION 00.0	2 SQUARE 46
LONG 047 56 W	HOOR 18.1	AREA 05	CLCUD T/A	CL/TR	WEATHER XI	GRIG E25 L35	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIG3	PH
18.1	OBS	00000	17.83	36.462	26.45		1517.8							
	OBS	00010	17.73	36.473	26.48		1517.6							
	OBS	00020	17.61	36.477	26.52		1517.5							
	OBS	00030	17.60	36.480	26.52		1517.6							
	OBS	00050	17.48	36.466	26.54		1517.0							
	OBS	00075	17.37	36.454	26.56		1517.6							
	OBS	00100	17.32	36.449	26.57		1517.9							
	OBS	00125	17.21	36.439	26.58		1518.0							
	OBS	00150	17.11	36.427	26.60		1518.1							
	OBS	00200	17.05	36.444	26.63		1518.7							
	OBS	00250	17.00	36.455	26.65		1519.4							
	OBS	00300	16.75	36.371	26.64		1519.4							
	OBS	00400	16.25	36.301	26.71		1519.4							
	OBS	00500	15.15	36.033	26.75		1517.3							
	OBS	00600	13.45	35.720	26.88		1513.1							
	OBS	00700	11.45	35.427	27.04		1507.0							
	OBS	00780	10.48	35.249	27.08		1505.3							
	OBS	00800	09.57	35.284	27.27		1502.3							
	OBS	00830	09.32	35.331	27.34		1502.0							
	OBS	00900	07.90	35.156	27.43		1497.3							
	OBS	00972	07.39	35.207	27.55		1496.9							
	OBS	01000	06.91	35.181	27.55		1495.4							
	OBS	01100	05.91	35.081	27.65		1493.0							
	OBS	01178	05.09	35.008	27.69		1490.9							
	OBS	01200	05.25	35.089	27.74		1492.0							
	OBS	01300	04.88	35.071	27.77		1492.1							
	OBS	01400	04.51	35.035	27.78		1492.2							
	OBS	01500	04.30	35.020	27.75		1493.0							
	OBS	01750	04.04	34.997	27.80		1496.1							
	OBS	02000	03.85	34.992	27.82		1499.0							
	OBS	02500	03.41	34.975	27.85		1500.2							
	OBS	03000	02.94	34.929	27.88		1512.8							

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REFID 31 8094	YEAR 1969	BOTOP 04206	AIR TEMP 17.3	DIR HGT PER	WIND-OIR 23	INST STD RECORDER	TEN SQ 1206
CONSEC 0036	MONTH 04	SHIP YA	WET BULB 14.6	31 2 3	WIND-SPO 06	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 04	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 56 W	HOOR 23.9	AREA 05	CLCUD T/A	CL/TR	WEATHER XI	GRIG E25 036	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIG3	PH
23.9	OBS	00000	17.85	36.480	26.46		1517.8							
	OBS	00010	17.84	36.481	26.46		1518.3							
	OBS	00020	17.76	36.471	26.47		1517.9							
	OBS	00030	17.71	36.483	26.50		1517.9							
	OBS	00050	17.41	36.450	26.54		1517.3							
	OBS	00075	17.28	36.430	26.56		1517.3							
	OBS	00100	17.18	36.447	26.60		1517.5							
	OBS	00125	17.06	36.429	26.61		1517.5							
	OBS	00150	17.06	36.435	26.62		1517.9							
	OBS	00200	17.80 P	36.356	26.380*									
	OBS	00210	16.72	36.372	26.65		1517.8							
	OBS	00230	16.84	36.429	26.67		1518.0							
	OBS	00250	16.75	36.412	26.67		1518.6							
	OBS	00300	16.68	36.393	26.68		1519.2							
	OBS	00400	16.37	36.335	26.71		1519.8							
	OBS	00500	15.39	36.073	26.73		1518.1							
	OBS	00600	13.49	35.719	26.87		1513.2							
	OBS	00700	11.43	35.450	27.04		1507.6							
	OBS	00800	09.16	35.300	27.35		1500.8							
	OBS	00810	09.16	35.320	27.36		1501.0							
	OBS	00830	08.89	35.259	27.36		1500.3							
	OBS	00880	07.71	35.150	27.45		1496.5							
	OBS	00900	07.72	35.201	27.49		1496.9							
	OBS	01000	06.83	35.163	27.59		1495.1							
	OBS	01100	05.68	35.067	27.67		1492.1							
	OBS	01130	05.17	35.008	27.68		1490.4							
	OBS	01142	05.11	35.016	27.70		1490.4							
	OBS	01160	05.37	35.093	27.73		1491.8							
	OBS	01200	05.26	35.085	27.73		1492.0							
	OBS	01300	04.93	35.065	27.76		1492.3							
	OBS	01400	04.55	35.032	27.77		1492.4							
	OBS	01500	04.35	35.024	27.79		1493.3							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04297 AIR TEMP 15.4 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0037 MONTH 04 SHIP YA WET BULB 14.3 02 3 2 WIND-SPD 26 WIND-SPD 26 TRACE DIR D 5 SQUARE 4  
 LAT 35 02 N DAY 05 DATA USE 1 BAROMETR 1024.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 52 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER XZ ORIG E25 037 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	ND2	NG3	SID3	PH
05.8	08S	00000	17.31	36.433	26.56		1516.2							
	08S	00010	17.30	36.433	26.56		1516.3							
	08S	00020	17.26	36.433	26.57		1516.4							
	08S	00030	17.24	36.432	26.57		1516.5							
	08S	00050	17.11	36.441	26.61		1516.4							
	08S	00075	17.04	36.448	26.63		1516.6							
	08S	00100	17.03	36.445	26.63		1517.0							
	08S	00125	17.00	36.447	26.64		1517.3							
	08S	00150	16.99	36.448	26.64		1517.7							
	08S	00200	16.97	36.445	26.65		1518.5							
	08S	00250	16.76	36.390	26.66		1518.6							
	08S	00300	16.00 P	36.380	26.834									
	08S	00400	16.39	36.358	26.72		1519.9							
	08S	00500	15.51	36.138	26.75		1518.6							
	08S	00600	13.93	35.809	26.64		1514.8							
	08S	00700	11.97	35.537	27.03		1509.5							
	08S	00800	10.20	35.359	27.22		1504.7							
	08S	00900	08.13	35.215	27.44		1498.5							
	08S	01000	06.76	35.164	27.60		1494.8							
	08S	01050	05.92	35.071	27.64		1492.2							
	08S	01100	05.89	35.128	27.65		1493.0							
	08S	01200	05.71	35.077	27.67		1493.9							
	08S	01240	05.18	35.092	27.75		1492.4							
	08S	01300	04.91	35.071	27.76		1492.3							
	08S	01400	04.58	35.044	27.78		1492.5							
	08S	01500	04.44	35.032	27.79		1493.6							

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REFID 31 8094 YEAR 1969 BOTOP 04297 AIR TEMP 15.0 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0038 MONTH 04 SHIP YA WET BULB 13.2 04 5 2 WIND-SPD 21 WIND-SPD 21 TRACE DIR D 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 038 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	ND2	NG3	SID3	PH
11.6	08S	00000	17.11	36.442	26.61		1515.6							
	08S	00010	17.11	36.443	26.61		1515.8							
	08S	00020	17.11	36.444	26.61		1515.9							
	08S	00030	17.11	36.449	26.62		1516.1							
	08S	00050	17.05	36.451	26.63		1516.3							
	08S	00075	17.03	36.451	26.64		1516.6							
	08S	00100	17.03	36.449	26.64		1517.0							
	08S	00125	17.01	36.448	26.64		1517.4							
	08S	00150	17.00	36.448	26.64		1517.8							
	08S	00200	16.97	36.451	26.65		1518.5							
	08S	00250	16.71	36.398	26.67		1518.5							
	08S	00300	16.61	36.390	26.65		1519.0							
	08S	00400	16.24	36.316	26.72		1519.4							
	08S	00500	14.94	35.971	26.75		1516.6							
	08S	00600	13.43	35.710	26.87		1513.0							
	08S	00700	11.02	35.435	27.13		1506.1							
	08S	00800	09.42	35.259	27.27		1501.8							
	08S	00828	08.68	35.139	27.30		1499.3							
	08S	00885	07.93	35.218	27.48		1497.5							
	08S	00900	07.77	35.188	27.48		1497.1							
	08S	01000	06.49	35.107	27.59		1493.7							
	08S	01100	06.10	35.111	27.65		1493.8							
	08S	01200	05.34	35.069	27.71		1492.3							
	08S	01300	04.95	35.063	27.75		1492.4							
	08S	01400	04.70	35.048	27.77		1493.0							
	08S	01500	04.49	35.035	27.78		1493.8							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BCTOP 04389 AIR TEMP 15.2 DIR FGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0039 MONTH 04 SHIP YA NET BULB 12.2 05 2 3 WIND-SPO 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 58 W HOUR 17.8 AREA 05 CLOUD T/A CL/T/F WEATHER K2 GRIG E25 039 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	DAYG	P34	TCT P	NO2	NO3	SIO3	PH
17.8	DBS	00000	17.14	36.435	26.60		1515.7							
	DBS	00010	17.15	36.442	26.60		1515.9							
	DBS	00020	17.16	36.433	26.55		1516.1							
	DBS	00030	17.16	36.443	26.60		1516.3							
	DBS	00050	17.11	36.445	26.61		1516.4							
	DBS	00075	17.01	36.443	26.64		1516.6							
	DBS	00100	17.00	36.448	26.64		1516.9							
	DBS	00125	16.97	36.437	26.64		1517.2							
	DBS	00150	16.95	36.438	26.65		1517.6							
	DBS	00200	16.81	36.419	26.67		1518.0							
	DBS	00250	16.59	36.373	26.68		1518.1							
	DBS	00300	16.46	36.361	26.70		1518.5							
	DBS	00400	16.05	36.266	26.73		1518.8							
	DBS	00500	15.33	36.086	26.75		1518.0							
	DBS	00600	13.89	35.804	26.85		1514.7							
	DBS	00700	12.05	35.507	26.95		1504.8							
	DBS	00800	09.52	35.271	27.06		1502.1							
	DBS	00900	07.98	35.203	27.46		1497.9							
	DBS	01000	06.56	35.101	27.58		1493.9							
	DBS	01012	06.41	35.170	27.65		1493.6							
	DBS	01082	06.11	35.156	27.66		1493.6							
	DBS	01100	05.89	35.109	27.67		1493.0							
	DBS	01200	05.27	35.080	27.73		1492.1							
	DBS	01300	04.87	35.058	27.76		1492.1							
	DBS	01400	04.63	35.037	27.77		1492.7							
	DBS	01500	04.33	35.014	27.78		1493.2							

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REFID 31 8094 YEAR 1969 BCTOP 04005 AIR TEMP 16.5 DIR FGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0040 MONTH 04 SHIP YA NET BULB 15.7 07 2 3 WIND-SPO 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 06 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 10 W HOUR 00.0 AREA 05 CLOUD T/A CL/T/F WEATHER K2 GRIG E25 040 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	DAYG	P34	TCT P	NO2	NO3	SIO3	PH
00.0	DBS	00000	17.05	36.428	26.61		1515.4							
	DBS	00010	17.05	36.432	26.62		1515.6							
	DBS	00020	17.05	36.432	26.62		1515.6							
	DBS	00030	17.05	36.433	26.62		1515.9							
	DBS	00050	17.05	36.445	26.63		1516.3							
	DBS	00075	17.03	36.450	26.64		1516.6							
	DBS	00100	17.03	36.449	26.64		1517.0							
	DBS	00125	17.01	36.446	26.64		1517.4							
	DBS	00150	16.97	36.436	26.64		1517.7							
	DBS	00200	16.64	36.385	26.68		1517.4							
	DBS	00250	16.63	36.393	26.69		1518.2							
	DBS	00300	16.33	36.302	26.69		1518.0							
	DBS	00320	15.78	36.184	26.72		1516.5							
	DBS	00350	15.95	36.228	26.72		1517.6							
	DBS	00400	15.87	36.237	26.75		1518.2							
	DBS	00420	15.90	36.236	26.74		1518.6							
	DBS	00500	14.66	35.941	26.79		1515.7							
	DBS	00600	12.69	35.630	26.46		1510.5							
	DBS	00700	10.55	35.340	27.14		1504.3							
	DBS	00800	08.55	35.159	27.33		1498.4							
	DBS	00900	07.32	35.167	27.53		1495.3							
	DBS	00930	07.31	35.206	27.58		1495.9							
	DBS	01000	06.36	35.137	27.63		1493.2							
	DBS	01100	05.38	35.084	27.72		1490.9							
	DBS	01200	04.91	35.047	27.74		1490.6							
	DBS	01300	04.75	35.056	27.77		1491.0							
	DBS	01400	04.51	35.037	27.78		1492.3							
	DBS	01500	04.26	35.015	27.79		1492.9							

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TABLE V.—Continued

REFID 31 8094	YEAR 1969	BOTDP	AIR TEMP 15.5	DIR HGT PER	WIND-DIR 07	INST STD RECORDER	TEN SQ 1206
CDNSEC 0041	MONTH 04	SHIP YA	WET BULB 13.6	03 4 3	WIND-SPD 16	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 06	DATA USE 1	BAROMETR 1030.2	SEA	WIND-FJK	DURATIGN 00.4	2 SQUARE 48
LONG 048 01 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 041	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
05.8	D85	00000	17.30	36.443	26.57		1516.2							
	D85	00010	17.29	36.445	26.57		1516.3							
	D85	00020	17.29	36.449	26.57		1516.5							
	D85	00030	17.29	36.451	26.57		1516.7							
	D85	00050	17.28	36.449	26.58		1516.9							
	D85	00075	17.11	36.447	26.62		1516.9							
	D85	00100	17.05	36.449	26.63		1517.1							
	D85	00125	17.04	36.449	26.63		1517.5							
	D85	00150	17.04	36.449	26.63		1517.9							
	D85	00200	17.01	36.446	26.64		1518.0							
	D85	00250	16.98	36.448	26.65		1519.3							
	D85	00300	16.92	36.426	26.64		1520.0							
	D85	00330	16.65	36.400	26.69		1519.6							
	D85	00400	16.45	36.355	26.70		1520.1							
	D85	00420	16.18	36.281	26.71		1519.5							
	D85	00430	16.24	36.330	26.74		1519.9							
	D85	00500	15.40	36.113	26.76		1516.2							
	D85	00600	13.94	35.810	26.84		1514.8							
	D85	00700	11.94	35.540	27.04		1509.4							
	D85	00800	09.80	35.273	27.22		1503.2							
	D85	00900	08.21	35.192	27.41		1498.8							
	D85	01000	06.53	35.035	27.53		1493.7							
	D85	01050	05.77	35.075	27.66		1491.6							
	D85	01070	06.00	35.115	27.66		1492.9							
	D85	01100	05.92	35.119	27.68		1493.1							
	D85	01200	05.33	35.086	27.73		1492.3							
	D85	01300	04.90	35.062	27.76		1492.2							
	D85	01400	04.61	35.039	27.77		1492.7							
	D85	01500	04.37	35.022	27.79		1493.3							

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REFID 31 8094	YEAR 1969	BOTDP 04480	AIR TEMP 18.2	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1206
CDNSEC 0042	MONTH 04	SHIP YA	WET BULB 16.6	22 1 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 35 06 N	DAY 06	DATA USE 1	BAROMETR 1028.5	SEA	WIND-FJK	DURATION 00.5	2 SQUARE 46
LONG 047 47 W	HOUR 19.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 042	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
19.0	D85	00000	17.65	36.453	26.45		1517.2							
	D85	00010	17.47	36.443	26.52		1516.8							
	D85	00020	17.42	36.450	26.54		1516.9							
	D85	00030	17.42	36.456	26.55		1517.0							
	D85	00050	17.18	36.440	26.55		1516.0							
	D85	00075	17.08	36.446	26.62		1516.0							
	D85	00100	17.05	36.448	26.63		1517.1							
	D85	00125	17.04	36.451	26.63		1517.5							
	D85	00150	17.04	36.456	26.64		1517.9							
	D85	00200	16.99	36.446	26.64		1518.5							
	D85	00250	16.77	36.399	26.66		1516.7							
	D85	00300	16.58	36.388	26.70		1518.9							
	D85	00400	16.25	36.321	26.72		1519.5							
	D85	00500	15.44	36.094	26.73		1518.3							
	D85	00532	15.10	36.035	26.76		1517.7							
	D85	00544	14.70	36.92 P	27.540									
	D85	00600	14.03	35.837	26.84		1515.2							
	D85	00700	11.94	35.545	27.04		1509.4							
	D85	00800	09.66	35.271	27.24		1502.6							
	D85	00808	09.57	35.267	27.25		1502.4							
	D85	00834	08.97	35.140	27.25		1500.5							
	D85	00840	08.75	35.242	27.37		1499.9							
	D85	00900	08.02	35.206	27.45		1498.1							
	D85	00960	06.64	35.094	27.56		1493.6							
	D85	00999	06.28	35.031	27.56		1492.6							
	D85	01000	06.20	35.046	27.58		1492.4							
	D85	01100	05.90	35.101	27.67		1493.0							
	D85	01200	05.86	35.102	27.67		1494.5							
	D85	01300	04.96	35.079	27.76		1492.5							
	D85	01400	04.56	35.046	27.78		1492.5							
	D85	01500	04.32	35.031	27.80		1493.1							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04572 AIR TEMP 19.1 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0043 MONTH 04 SHIP YA WET BULB 17.4 DIR 2 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 07 DATA USE 1 BAROMETR 1027.7 SEA WIND-FUR 00.5 2 SQUARE 46  
 LONG 047 56 W HOUR 00.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 043 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNG VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.5	OBS	00000	17.19	36.403	26.56		1515.6							
	OBS	00010	16.98	36.408	26.62		1515.4							
	OBS	00020	16.93	36.411	26.63		1515.4							
	OBS	00030	16.91	36.410	26.63		1515.5							
	OBS	00050	16.84	36.402	26.65		1515.6							
	OBS	00075	16.72	36.390	26.66		1515.6							
	OBS	00100	16.65	36.381	26.67		1515.8							
	OBS	00125	16.47	36.368	26.71		1515.7							
	OBS	00150	16.43	36.355	26.71		1515.7							
	OBS	00200	16.25	36.317	26.72		1516.2							
	OBS	00250	16.02	36.256	26.73		1516.2							
	OBS	00300	15.83	36.201	26.73		1516.4							
	OBS	00350	15.61	36.139	26.73		1516.4							
	OBS	00400	15.09	36.045	26.78		1515.5							
	OBS	00500	14.59	35.942	26.81		1515.5							
	OBS	00600	13.20	35.697	26.91		1516.3							
	OBS	00700	11.37	35.427	27.06		1507.3							
	OBS	00800	08.98	35.203	27.30		1500.0							
	OBS	00900	07.36	35.157	27.51		1495.5							
	OBS	01000	06.33	35.139	27.64		1493.1							
	OBS	01100	05.94	35.141	27.65		1493.2							
	OBS	01200	05.31	35.074	27.72		1492.2							
	OBS	01300	04.99	35.067	27.75		1492.6							
	OBS	01400	04.80	35.057	27.76		1492.5							
	OBS	01500	04.49	35.033	27.78		1493.6							

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REFID 31 8094 YEAR 1969 BOTOP 04700 AIR TEMP 18.0 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0044 MONTH 04 SHIP YA WET BULB 16.9 DIR 2 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 07 DATA USE 1 BAROMETR 1027.7 SEA WIND-FUR 00.5 2 SQUARE 48  
 LONG 048 06 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 044 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNG VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
05.9	OBS	00000	18.05	36.515	26.44		1518.5							
	OBS	00010	18.04	36.518	26.44		1518.6							
	OBS	00020	17.89	36.497	26.46		1518.3							
	OBS	00030	17.77	36.470	26.47		1518.1							
	OBS	00050	17.15	36.431	26.55		1516.5							
	OBS	00075	17.06	36.441	26.62		1516.7							
	OBS	00100	17.03	36.443	26.63		1517.0							
	OBS	00125	17.01	36.447	26.64		1517.4							
	OBS	00150	17.01	36.449	26.64		1517.6							
	OBS	00200	16.80	36.401	26.65		1517.9							
	OBS	00250	16.57	36.382	26.65		1518.0							
	OBS	00300	16.39	36.353	26.71		1518.3							
	OBS	00400	15.84	36.206	26.73		1518.1							
	OBS	00500	14.90	35.963	26.75		1516.5							
	OBS	00600	13.78	35.771	26.85		1514.3							
	OBS	00700	11.96	35.536	27.03		1509.5							
	OBS	00800	09.61	35.220	27.21		1502.4							
	OBS	00900	07.96	35.119	27.35		1497.7							
	OBS	01000	06.44	35.128	27.62		1493.5							
	OBS	01060	06.39	35.161	27.65		1493.3							
	OBS	01100	05.94	35.109	27.67		1493.2							
	OBS	01200	05.42	35.103	27.73		1492.7							
	OBS	01300	04.95	35.063	27.75		1492.4							
	OBS	01400	04.60	35.048	27.78		1492.6							
	OBS	01500	04.27	35.014	27.75		1492.9							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 18.6 DIR MGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0045 MONTH 04 SHIP YA WET BULB 17.1 DIR 20 2 3 WIND-SPD 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETP 1027.5 SEA WIND-FLK DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 045 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	UXYG	P04	TGT P	NO2	NO3	SI03	PH
11.8	DBS	00000	17.15	36.413	26.58		1515.7							
	DBS	00010	17.15	36.415	26.58		1515.9							
	DBS	00020	17.12	36.401	26.58		1515.9							
	DBS	00030	16.99	36.413	26.62		1515.7							
	DBS	00050	16.95	36.410	26.63		1515.9							
	DBS	00075	16.80	36.399	26.65		1515.9							
	DBS	00100	16.67	36.381	26.67		1515.9							
	DBS	00125	16.60	36.390	26.65		1516.1							
	DBS	00150	16.59	36.388	26.65		1516.5							
	DBS	00200	16.47	36.365	26.70		1516.9							
	DBS	00250	16.31	36.330	26.72		1517.2							
	DBS	00300	15.76	36.201	26.74		1516.2							
	DBS	00400	14.95	35.993	26.77		1515.0							
	DBS	00407	14.85	35.972	26.77		1514.8							
	DBS	00448	15.11	35.10 P	26.040*									
	DBS	00500	14.16	35.853	26.83		1514.0							
	DBS	00600	12.70	35.629	26.96		1510.5							
	DBS	00700	10.77	35.378	27.13		1505.1							
	DBS	00800	08.58	35.242	27.35		1498.6							
	DBS	00900	07.53	35.147	27.46		1496.1							
	DBS	01000	06.51	35.141	27.62		1493.8							
	DBS	01100	06.07	35.166	27.70		1493.8							
	DBS	01200	05.33	35.091	27.73		1492.3							
	DBS	01300	04.85	35.064	27.76		1492.0							
	DBS	01400	04.68	35.056	27.78		1493.0							
	DBS	01500	04.41	35.033	27.75		1493.5							

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REFID 31 8094 YEAR 1969 BOTDP 04389 AIR TEMP 19.4 DIR MGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0046 MONTH 04 SHIP YA WET BULB 17.3 DIR 19 2 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETP 1025.7 SEA WIND-FLK DURATION 00.5 2 SQUARE 48  
 LONG 047 58 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 046 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	UXYG	P04	TGT P	NO2	NO3	SI03	PH
18.1	DBS	00000	17.67	36.445	26.48		1517.3							
	DBS	00010	17.55	36.418	26.49		1517.0							
	DBS	00020	17.21	36.412	26.56		1516.2							
	DBS	00030	17.08	36.423	26.60		1516.0							
	DBS	00050	17.03	36.423	26.61		1516.2							
	DBS	00075	16.94	36.422	26.63		1516.9							
	DBS	00100	16.93	36.430	26.65		1516.7							
	DBS	00125	16.87	36.409	26.64		1516.9							
	DBS	00150	16.77	36.398	26.66		1517.0							
	DBS	00200	16.55	36.357	26.68		1517.1							
	DBS	00250	16.26	36.266	26.68		1516.5							
	DBS	00300	16.39	36.366	26.72		1517.1							
	DBS	00350	16.38	36.345	26.71		1517.4							
	DBS	00300	16.02	36.274	26.74		1517.1							
	DBS	00400	15.73	36.215	26.76		1517.7							
	DBS	00500	14.24	35.882	26.83		1514.3							
	DBS	00600	12.85	35.649	26.94		1511.0							
	DBS	00700	10.99	35.405	27.11		1500.0							
	DBS	00800	08.77	35.155	27.30		1495.2							
	DBS	00900	07.14	35.156	27.54		1499.6							
	DBS	00920	07.27	35.152	27.55		1499.5							
	DBS	00940	06.78	35.125	27.57		1493.8							
	DBS	01000	06.26	35.134	27.65		1492.8							
	DBS	01100	05.76	35.109	27.65		1492.4							
	DBS	01200	05.21	35.083	27.74		1491.8							
	DBS	01300	04.88	35.079	27.77		1492.2							
	DBS	01400	04.64	35.057	27.78		1492.8							
	DBS	01500	04.37	35.039	27.80		1493.4							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04572 AIR TEMP 18.1 DIR FGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1200  
 CONSEC 0047 MONTH 04 SHIP YA WET BULB 19 3 2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 07 DATA USE 1 BAROMETR 1026.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 40  
 LONG 047 55 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 047 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
23.8	DBS	00000	17.62	36.452	26.45		1517.1							
	DBS	00010	17.62	36.452	26.45		1517.3							
	DBS	00020	17.61	36.451	26.50		1517.4							
	DBS	00030	17.54	36.449	26.51		1517.4							
	DBS	00050	17.07	36.433	26.61		1516.3							
	DBS	00075	17.00	36.426	26.63		1516.5							
	DBS	00100	16.97	36.415	26.62		1516.8							
	DBS	00125	16.91	36.410	26.63		1517.0							
	DBS	00150	16.74	36.392	26.66		1516.9							
	DBS	00200	16.61	36.377	26.68		1517.3							
	DBS	00245	16.16	36.264	26.70		1516.0							
	DBS	00260	16.23	36.313	26.72		1517.1							
	DBS	00300	15.82	36.221	26.74		1516.4							
	DBS	00400	15.29	36.108	26.78		1516.2							
	DBS	00500	14.09	35.844	26.84		1513.7							
	DBS	00600	12.61	35.657	27.00		1510.2							
	DBS	00700	10.78	35.383	27.13		1505.2							
	DBS	00800	08.85	35.170	27.25		1499.5							
	DBS	00840	08.17	35.158	27.35		1497.6							
	DBS	00855	08.28	35.205	27.41		1498.3							
	DBS	00900	07.98	35.207	27.46		1497.9							
	DBS	00970	06.70	35.138	27.59		1494.0							
	DBS	01000	06.57	35.146	27.61		1494.0							
	DBS	01100	05.96	35.109	27.66		1493.2							
	DBS	01200	05.45	35.089	27.71		1492.8							
	DBS	01300	05.00	35.070	27.75		1492.0							
	DBS	01400	04.71	35.054	27.77		1493.1							
	DBS	01500	04.42	35.033	27.79		1493.6							

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REFID 31 8094 YEAR 1969 BOTDP 04169 AIR TEMP 18.2 DIR FGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1200  
 CONSEC 0048 MONTH 04 SHIP YA WET BULB 17.5 20 4 3 WIND-SPD 23 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 08 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 048 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
05.8	DBS	00000	17.40	36.423	26.53		1516.5							
	DBS	00010	17.39	36.423	26.53		1516.6							
	DBS	00020	17.37	36.405	26.52		1516.7							
	DBS	00030	16.92	36.399	26.62		1515.5							
	DBS	00050	16.84	36.395	26.64		1515.6							
	DBS	00075	16.65	36.379	26.67		1515.4							
	DBS	00100	16.57	36.389	26.70		1515.6							
	DBS	00125	16.55	36.383	26.70		1515.9							
	DBS	00150	16.52	36.374	26.70		1516.2							
	DBS	00200	16.31	36.343	26.73		1516.4							
	DBS	00250	16.20	36.310	26.73		1516.8							
	DBS	00300	16.08	36.281	26.73		1517.2							
	DBS	00400	15.73	36.167	26.72		1517.7							
	DBS	00500	14.49	35.872	26.77		1515.0							
	DBS	00600	12.76	35.629	26.95		1510.7							
	DBS	00700	10.90	35.378	27.11		1505.6							
	DBS	00800	08.95	35.150	27.26		1499.9							
	DBS	00900	07.10	35.056	27.47		1494.3							
	DBS	00920	06.78	35.095	27.54		1493.5							
	DBS	00970	07.08	35.205	27.59		1495.6							
	DBS	01000	06.61	35.162	27.62		1494.2							
	DBS	01100	05.75	35.098	27.68		1492.4							
	DBS	01140	05.42	35.095	27.72		1491.7							
	DBS	01150	05.54	35.126	27.73		1492.4							
	DBS	01200	05.22	35.085	27.74		1491.9							
	DBS	01300	04.85	35.071	27.77		1492.0							
	DBS	01400	04.61	35.040	27.77		1492.7							
	DBS	01500	04.33	35.032	27.80		1493.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04096 AIR TEMP 18.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0045 MONTH 04 SHIP YA WET BULB 17.2 27 2 3 WIND-SFD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 08 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 11.9 AREA 05 CLOUD T/A CL/T/F WEATHER XL ORIG E25 049 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NU2	NU3	S103	PH
11.9	OBS	00000	17.29	36.414	26.55		1516.1							
	OBS	00010	17.26	36.413	26.55		1516.2							
	OBS	00020	17.26	36.413	26.55		1516.4							
	OBS	00030	17.26	36.415	26.55		1516.5							
	OBS	00050	17.12	36.423	26.55		1516.4							
	OBS	00075	16.92	36.412	26.63		1516.2							
	OBS	00100	16.80	36.406	26.66		1516.3							
	OBS	00125	16.68	36.388	26.67		1516.3							
	OBS	00150	16.61	36.379	26.68		1516.5							
	OBS	00200	16.46	36.355	26.70		1516.8							
	OBS	00250	16.32	36.315	26.76		1517.2							
	OBS	00300	16.06	36.280	26.74		1517.2							
	OBS	00400	15.78	36.226	26.76		1517.9							
	OBS	00500	14.57	35.890	26.77		1515.3							
	OBS	00600	12.60	35.565	26.95		1510.1							
	OBS	00700	10.34	35.267	27.12		1503.5							
	OBS	00800	08.07	35.113	27.37		1496.5							
	OBS	00838	07.48	35.062	27.42		1494.8							
	OBS	00882	07.06	35.066	27.48		1493.9							
	OBS	00900	07.05	35.114	27.52		1494.2							
	OBS	00935	06.71	35.057	27.52		1493.4							
	OBS	00981	06.76	35.175	27.61		1494.5							
	OBS	01000	06.66	35.152	27.61		1494.4							
	OBS	01100	05.66	35.090	27.65		1492.0							
	OBS	01200	04.99	35.024	27.72		1490.9							
	OBS	01300	04.67	35.040	27.77		1491.2							
	OBS	01400	04.56	35.037	27.78		1492.5							
	OBS	01500	04.35	35.025	27.75		1493.3							

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REFID 31 8094 YEAR 1969 BOTOP 03383 AIR TEMP 18.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0050 MONTH 04 SHIP YA WET BULB 17.8 19 4 3 WIND-SFD 21 TRACE DIR 0 5 SQUARE 4  
 LAT 35 14 N DAY 08 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 41 W HOUR 17.9 AREA 05 CLOUD T/A CL/T/F WEATHER XL ORIG E25 050 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NU2	NU3	S103	PH
17.9	OBS	00000	18.09	36.502	26.42		1518.6							
	OBS	00010	18.08	36.493	26.41		1518.7							
	OBS	00020	17.99	36.509	26.45		1518.6							
	OBS	00030	17.93	36.511	26.46		1518.6							
	OBS	00050	17.85	36.503	26.48		1518.7							
	OBS	00075	17.45	36.468	26.55		1517.9							
	OBS	00100	17.39	36.456	26.55		1518.1							
	OBS	00125	17.22	36.431	26.58		1518.0							
	OBS	00150	17.17	36.448	26.60		1518.3							
	OBS	00200	17.08	36.465	26.64		1518.8							
	OBS	00250	17.04	36.463	26.64		1519.5							
	OBS	00300	16.95	36.438	26.65		1520.1							
	OBS	00380	16.75	36.400	26.67		1520.7							
	OBS	00400	16.15	36.229	26.67		1519.0							
	OBS	00500	14.76	35.933	26.76		1516.0							
	OBS	00600	13.11	35.698	26.93		1512.0							
	OBS	00700	10.94	35.403	27.12		1505.8							
	OBS	00730	10.72	35.386	27.15		1505.5							
	OBS	00740	10.42	35.309	27.14		1504.5							
	OBS	00760	10.03	35.305	27.20		1503.4							
	OBS	00800	08.57	35.150	27.32		1498.4							
	OBS	00900	06.96	35.060	27.49		1493.8							
	OBS	01000	06.04	35.045	27.60		1491.8							
	OBS	01100	05.21	35.034	27.70		1490.1							
	OBS	01140	05.31	35.073	27.72		1491.2							
	OBS	01150	05.16	35.043	27.71		1490.7							
	OBS	01200	05.17	35.083	27.74		1491.7							
	OBS	01300	04.73	35.048	27.77		1491.5							
	OBS	01400	04.38	35.016	27.78		1491.7							
	OBS	01500	04.16	34.999	27.79		1492.4							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BCTOP 03475 AIR TEMP 18.6 DIR HGT PER WIND-DIR 19 INST STO RECORDER TEN SQ 1206  
 CONSEC 0051 MONTH 04 SHIP YA MET BULB 19 4 3 WIND-SPO 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1022.3 SEA WIND-FUR 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 23.8 AREA 05 CLOUD 7/A CL/TR WEATHER X1 ORIG E25 051 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SNC VEL	UXXG	PO4	TCT P	NO2	NO3	SI03	PH
23.8	085	0000	17.37	36.438	26.55		1516.4							
	085	0010	17.36	36.440	26.55		1516.5							
	085	0020	17.36	36.441	26.55		1516.7							
	085	0030	17.35	36.441	26.55		1516.8							
	085	0050	17.09	36.442	26.62		1516.4							
	085	0075	17.06	36.450	26.63		1516.7							
	085	0100	17.06	36.445	26.63		1517.1							
	085	00125	17.04	36.448	26.63		1517.5							
	085	00150	17.04	36.447	26.63		1517.9							
	085	00200	16.97	36.444	26.65		1518.5							
	085	00250	16.90	36.414	26.64		1519.1							
	085	00300	16.69	36.393	26.67		1519.2							
	085	00400	16.13	36.297	26.73		1519.1							
	085	00430	15.86	36.226	26.74		1518.6							
	085	00470	15.55	36.124	26.73		1516.2							
	085	00500	15.19	36.062	26.77		1517.5							
	085	00600	13.92	35.807	26.64		1514.8							
	085	00700	11.89	35.526	27.04		1509.3							
	085	00800	09.46	35.211	27.23		1501.0							
	085	00900	07.38	35.037	27.41		1495.4							
	085	00915	06.91	35.023	27.47		1493.8							
	085	00917	06.92	35.099	27.53		1494.3							
	085	00980	06.16	35.014	27.56		1491.9							
	085	00990	06.51	35.163	27.63		1493.7							
	085	01000	06.53	35.184	27.65		1493.9							
	085	01100	05.86	35.118	27.68		1492.0							
	085	01200	05.40	35.085	27.72		1492.6							
	085	01240	04.72	35.015	27.74		1490.4							
	085	01300	04.80	35.064	27.77		1491.8							
	085	01400	04.59	35.048	27.78		1492.6							
	085	01500	04.38	35.034	27.79		1493.4							

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REFID 31 8094 YEAR 1969 BCTOP 03566 AIR TEMP 18.3 DIR HGT PER WIND-DIR 19 INST STO RECORDER TEN SQ 1206  
 CONSEC 0052 MONTH 04 SHIP YA MET BULB 17.4 15 5 3 WIND-SPO 25 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 09 DATA USE 1 BAROMETR 1010.8 SEA WIND-FUR 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 05.7 AREA 05 CLOUD 7/A CL/TR WEATHER X1 ORIG E25 052 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SNC VEL	UXXG	PO4	TCT P	NO2	NO3	SI03	PH
05.7	085	0000	17.36	36.445	26.55		1516.4							
	085	0010	17.36	36.447	26.55		1516.5							
	085	0020	17.36	36.445	26.56		1516.7							
	085	0030	17.33	36.431	26.55		1516.7							
	085	0050	17.09	36.441	26.62		1516.4							
	085	0075	17.05	36.443	26.63		1516.7							
	085	0100	17.04	36.448	26.63		1517.1							
	085	00125	17.03	36.445	26.63		1517.4							
	085	00150	16.97	36.436	26.64		1517.7							
	085	00200	16.85	36.415	26.65		1516.1							
	085	00250	16.68	36.397	26.66		1516.4							
	085	00300	16.58	36.381	26.69		1516.9							
	085	00400	16.25	36.323	26.71		1514.6							
	085	00500	15.49	36.133	26.75		1513.5							
	085	00600	13.54	35.741	26.87		1513.4							
	085	00700	11.49	35.425	27.03		1507.7							
	085	00800	09.19	35.162	27.23		1500.0							
	085	00900	06.90	35.026	27.47		1493.5							
	085	00940	06.76	35.075	27.53		1493.8							
	085	01000	05.90	35.042	27.62		1491.2							
	085	01020	05.80	35.043	27.63		1491.2							
	085	01050	06.18	35.132	27.65		1493.3							
	085	01100	05.55	35.141	27.65		1493.2							
	085	01200	05.24	35.088	27.74		1492.0							
	085	01300	04.91	35.073	27.76		1492.3							
	085	01400	04.60	35.048	27.78		1492.6							
	085	01500	04.34	35.029	27.79		1492.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BCTOP 03840 AIR TEMP 18.5 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0053 MONTH 04 SHIP YA WET BULB 17.4 30 4 2 WIND-SPD UC TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 09 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A CLZTR WEATHER KB ORIG E25 053 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	PU	TOT P	NOL	NOS	SIJ3	PH
12.0	OBS	0000	17.89	36.467	26.44		1517.9							
	OBS	0010	17.88	36.466	26.46		1518.1							
	OBS	0020	17.88	36.480	26.45		1518.2							
	OBS	0030	17.85	36.487	26.46		1518.3							
	OBS	0050	17.77	36.456	26.46		1518.4							
	OBS	0075	17.57	36.440	26.55		1517.6							
	OBS	0100	17.17	36.405	26.57		1517.4							
	OBS	0125	17.01	36.414	26.61		1517.3							
	OBS	0150	16.91	36.295	26.62		1517.4							
	OBS	0200	16.94	36.457	26.65		1518.0							
	OBS	0250	16.96	36.446	26.65		1517.3							
	OBS	0275	16.30	36.292	26.65		1517.5							
	OBS	0300	16.60	36.400	26.70		1519.0							
	OBS	0400	16.12	36.278	26.72		1519.0							
	OBS	0500	15.48	36.091	26.72		1518.4							
	OBS	0600	13.58	35.739	26.86		1513.6							
	OBS	0700	10.86	35.326	27.07		1505.4							
	OBS	0800	09.14	35.193	27.27		1500.6							
	OBS	0900	07.00	35.051	27.48		1493.4							
	OBS	0942	06.22	35.032	27.57		1491.5							
	OBS	0968	06.22	35.130	27.65		1492.1							
	OBS	1000	06.23	35.139	27.65		1492.7							
	OBS	1100	05.60	35.086	27.65		1491.8							
	OBS	1200	04.97	35.036	27.73		1490.9							
	OBS	1220	04.77	35.020	27.74		1490.3							
	OBS	1240	04.81	35.037	27.75		1490.8							
	OBS	1245	04.69	35.015	27.74		1490.7							
	OBS	1300	04.80	35.052	27.76		1491.8							
	OBS	1400	04.55	35.035	27.78		1492.4							
	OBS	1500	04.34	35.027	27.75		1493.2							

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REFID 31 8094 YEAR 1969 BCTOP 04499 AIR TEMP 16.3 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0054 MONTH 04 SHIP YA WET BULB 15.9 30 4 2 WIND-SPD UC TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1017.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 54 W HOUR 18.1 AREA 05 CLOUD T/A CLZTR WEATHER KB ORIG E25 054 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	PU	TOT P	NOL	NOS	SIJ3	PH
18.1	OBS	0000	17.31	36.397	26.51		1516.2							
	OBS	0010	17.31	36.431	26.55		1516.4							
	OBS	0020	17.31	36.432	26.56		1516.5							
	OBS	0030	17.31	36.435	26.56		1516.7							
	OBS	0050	17.31	36.437	26.56		1517.0							
	OBS	0075	17.28	36.428	26.56		1517.3							
	OBS	0100	17.12	36.428	26.60		1517.3							
	OBS	0125	16.57	36.369	26.54		1517.1							
	OBS	0150	16.63	36.316	26.63		1516.5							
	OBS	0205	16.55	36.296	26.63		1516.5							
	OBS	0200	16.73	36.411	26.66		1517.7							
	OBS	0250	16.63	36.386	26.66		1518.3							
	OBS	0300	16.59	36.387	26.65		1518.9							
	OBS	0400	16.26	36.317	26.72		1514.1							
	OBS	0500	15.33	36.059	26.73		1517.4							
	OBS	0600	13.80	35.776	26.85		1514.3							
	OBS	0700	11.38	35.415	27.05		1507.3							
	OBS	0800	09.29	35.204	27.25		1501.2							
	OBS	0900	07.16	35.088	27.45		1494.6							
	OBS	0920	06.93	35.126	27.55		1494.1							
	OBS	0940	07.00	35.167	27.57		1494.2							
	OBS	0971	06.21	35.024	27.57		1492.0							
	OBS	0990	06.38	35.172	27.66		1492.2							
	OBS	1100	06.11	35.112	27.65		1492.2							
	OBS	1010	06.00	35.085	27.64		1491.4							
	OBS	11020	06.11	35.120	27.65		1492.2							
	OBS	11050	05.68	35.051	27.65		1491.2							
	OBS	11100	05.77	35.119	27.70		1491.5							
	OBS	11200	05.12	35.066	27.73		1491.4							
	OBS	11300	04.80	35.052	27.76		1491.8							
	OBS	11400	04.56	35.037	27.78		1491.5							
	OBS	11500	04.36	35.029	27.74		1493.1							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 02999 AIR TEMP 15.6 DIR HGT PER WIND-DIR 35 INST STG RECORDER TEN SW 1206  
 CONSEC 0055 MONTH 04 SHIP YA NET BULB 26 3 3 WIND-SPD 23 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 10 DATA USE 1 BAROMETR 1017.8 SEA WIND-FUR 00.7 2 SQUARE 48  
 LONG 048 02 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRIG E25 055 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DRYDPHT	SWD VEL	OXYG	P04	TGT P	Q02	NO3	SIG3	PH
00.0	085	00000	17.73	36.372	26.41		1517.4							
	085	00010	17.73	36.434	26.45		1517.6							
	085	00020	17.80	36.461	26.46		1518.0							
	085	00030	17.62	36.463	26.50		1517.6							
	085	00050	17.47	36.441	26.52		1517.5							
	085	00075	17.24	36.428	26.57		1517.2							
	085	00100	17.22	36.428	26.57		1517.6							
	085	00125	17.14	36.422	26.55		1517.7							
	085	00150	17.05	36.435	26.62		1517.9							
	085	00200	17.02	36.427	26.62		1518.6							
	085	00250	16.93	36.432	26.65		1519.2							
	085	00300	16.60	36.390	26.65		1519.3							
	085	00400	16.43	36.346	26.70		1520.0							
	085	00500	15.35	36.048	26.72		1516.0							
	085	00600	13.38	35.699	26.87		1514.7							
	085	00700	11.09	35.417	27.10		1500.5							
	085	00800	08.85	35.145	27.27		1499.5							
	085	00900	07.17	35.064	27.47		1494.6							
	085	01000	06.00	35.037	27.64		1491.7							
	085	01030	06.07	35.135	27.67		1492.5							
	085	01060	05.62	35.091	27.65		1491.2							
	085	01100	05.85	35.109	27.70		1492.0							
	085	01200	05.02	35.043	27.73		1491.0							
	085	01300	04.52	35.002	27.75		1490.6							
	085	01400	04.39	35.49 P	28.55U									
	085	01500	04.39	35.024	27.75		1493.4							

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REFID 31 8094 YEAR 1969 BOTDP 02926 AIR TEMP 15.8 DIR HGT PER WIND-DIR 02 INST STG RECORDER TEN SW 1206  
 CONSEC 0056 MONTH 04 SHIP YA NET BULB 12.4 DIR 02 3 3 WIND-SPD 21 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 10 DATA USE 1 BAROMETR 1018.6 SEA WIND-FUR 00.3 DURATION 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E25 056 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DRYDPHT	SWD VEL	OXYG	P04	TGT P	Q02	NO3	SIG3	PH
06.3	085	00000	17.67	36.440	26.47		1517.3							
	085	00010	17.66	36.434	26.47		1517.4							
	085	00020	17.44	36.434	26.53		1516.9							
	085	00030	17.41	36.442	26.54		1517.0							
	085	00050	17.21	36.435	26.58		1516.7							
	085	00075	17.09	36.447	26.62		1516.8							
	085	00100	17.07	36.458	26.63		1517.2							
	085	00125	17.05	36.460	26.64		1517.3							
	085	00150	17.05	36.460	26.64		1517.9							
	085	00200	17.05	36.456	26.64		1516.7							
	085	00250	16.96	36.441	26.65		1519.3							
	085	00300	16.80	36.391	26.65		1519.6							
	085	00400	16.26	36.276	26.65		1519.4							
	085	00500	14.97	36.003	26.77		1516.7							
	085	00600	13.59	35.758	26.88		1513.6							
	085	00700	11.90	35.525	27.03		1509.3							
	085	00800	09.04	35.180	27.27		1500.2							
	085	00900	06.87	35.026	27.48		1493.4							
	085	00930	06.72	35.066	27.53		1493.4							
	085	00980	06.06	35.014	27.58		1491.5							
	085	01000	06.18	35.130	27.65		1492.5							
	085	01100	05.87	35.129	27.65		1492.4							
	085	01200	05.30	35.382	27.73		1492.2							
	085	01300	04.96	35.071	27.76		1492.5							
	085	01400	04.61	35.046	27.78		1492.7							
	085	01500	04.46	35.039	27.79		1493.7							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 02012 AIR TEMP 14.1 OIF HGT PER WIND-DIR 02 INST STU RECORDER TEN SQ 1206  
 CONSEC 0057 MONTH 04 SHIP YA MET BULB 10.6 O2 7 4 WIND-SPD 29 TRACE DIR D 5 SQUARE 4  
 LAT 35 03 N DAY 11 DATA USE 1 BAROMETP 1024.3 SEA WIND-FUR DURATION 00.6 2 SQUARE 48  
 LONG 046 04 W HOUR 06.0 AREA 05 CLOUD T/A CL/TM WEATHER XL ORIG E25 057 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VCL	OXYG	PG4	TOT P	NO2	NO3	SIO3	PH
06.0	DBS	00000	17.45	36.445	26.52		1516.6							
	DBS	00010	17.45	36.453	26.54		1516.3							
	DBS	00020	17.45	36.454	26.54		1517.0							
	DBS	00030	17.45	36.455	26.54		1517.1							
	DBS	00050	17.39	36.426	26.53		1517.2							
	DBS	00075	17.09	36.450	26.62		1518.4							
	DBS	00100	17.03	36.440	26.62		1517.0							
	DBS	00125	17.02	36.442	26.63		1517.4							
	DBS	00150	17.00	36.447	26.64		1517.6							
	DBS	00200	17.00	36.455	26.65		1518.6							
	DBS	00250	17.00	36.453	26.65		1519.4							
	DBS	00300	16.92	36.420	26.64		1519.9							
	DBS	00400	16.29	36.306	26.70		1519.6							
	DBS	00500	15.03	36.008	26.76		1516.9							
	DBS	00600	13.57	35.753	26.88		1513.6							
	DBS	00700	11.72	35.473	27.03		1506.0							
	DBS	00800	9.26	35.201	27.25		1501.1							
	DBS	00900	07.41	35.038	27.41		1495.5							
	DBS	01000	06.04	34.973	27.55		1491.7							
	DBS	01020	05.79	35.025	27.62		1491.1							
	DBS	01040	05.91	35.091	27.66		1492.0							
	DBS	01100	05.85	35.124	27.65		1492.8							
	DBS	01200	05.39	35.095	27.75		1492.6							
	DBS	01300	04.70	35.024	27.75		1491.3							
	DBS	01310	04.54	35.001	27.75		1490.8							
	DBS	01350	04.56	35.011	27.76		1491.6							
	DBS	01360	04.70	35.051	27.77		1492.4							
	DBS	01400	04.57	35.038	27.78		1492.5							
	DBS	01450	04.40	35.023	27.76		1492.6							

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REFID 31 8094 YEAR 1969 BOTOP 03475 AIR TEMP 14.5 OIF HGT PER WIND-DIR 33 INST STU RECORDER TEN SQ 1206  
 CONSEC 0056 MONTH 04 SHIP YA MET BULB 10.5 O2 3 3 WIND-SPD 20 TRACE DIR U 5 SQUARE 4  
 LAT 35 07 N DAY 11 DATA USE 1 BAROMETP 1024.5 SEA WIND-FUR DURATION 00.3 2 SQUARE 48  
 LONG 046 00 W HOUR 12.5 AREA 05 CLOUD T/A CL/TM WEATHER X2 ORIG E25 C56 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VCL	OXYG	PG4	TOT P	NO2	NO3	SIO3	PH
12.5	DBS	00000	17.32	36.431	26.55		1516.2							
	DBS	00010	17.32	36.432	26.55		1516.4							
	DBS	00020	17.32	36.433	26.55		1516.6							
	DBS	00030	17.32	36.433	26.55		1516.7							
	DBS	00050	17.32	36.433	26.55		1517.0							
	DBS	00075	17.16	36.425	26.55		1517.0							
	DBS	00100	17.03	36.425	26.62		1517.0							
	DBS	00125	17.03	36.456	26.64		1517.4							
	DBS	00150	17.03	36.447	26.63		1517.8							
	DBS	00200	17.02	36.461	26.65		1518.7							
	DBS	00250	17.01	36.457	26.65		1519.4							
	DBS	00300	16.99	36.457	26.65		1520.2							
	DBS	00334	16.74	36.369	26.64		1519.9							
	DBS	00400	16.56	36.375	26.69		1520.5							
	DBS	00500	15.66	36.180	26.75		1519.1							
	DBS	00600	13.87	35.607	26.86		1514.6							
	DBS	00700	12.34	35.603	27.01		1510.9							
	DBS	00800	09.82	35.177	27.14		1503.1							
	DBS	00900	07.13	35.049	27.45		1494.0							
	DBS	00932	06.86	35.078	27.52		1494.0							
	DBS	00992	06.15	35.005	27.56		1492.1							
	DBS	01000	06.12	35.051	27.60		1492.1							
	DBS	01030	06.31	35.153	27.65		1493.5							
	DBS	01100	05.86	35.104	27.68		1492.9							
	DBS	01200	05.23	35.083	27.73		1491.9							
	DBS	01300	04.93	35.065	27.76		1492.3							
	DBS	01400	04.59	35.035	27.77		1492.6							
	DBS	01500	04.47	35.044	27.79		1493.4							

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TABLE V.—Continued

REFID 31 8094 YEAP 1969 BOTOP 0466Z AIR TEMP DIR FGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0059 MONTH 04 SHIP YA WET BULB 02 4 4 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 11 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 04 W HOUR 16.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 L55 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
18.0	085	00000	17.13	36.416	26.55		1515.6							
	085	00010	17.12	36.421	26.59		1515.8							
	085	00020	17.12	36.423	26.55		1516.0							
	085	00030	17.10	36.430	26.60		1516.1							
	085	00050	17.08	36.438	26.62		1516.3							
	085	00075	17.07	36.442	26.62		1516.7							
	085	00100	17.07	36.449	26.63		1517.1							
	085	00125	17.07	36.457	26.63		1517.6							
	085	00150	17.07	36.459	26.63		1518.0							
	085	00200	17.06	36.456	26.63		1518.6							
	085	00250	17.04	36.463	26.64		1519.5							
	085	00300	17.03	36.441	26.63		1520.3							
	085	00400	16.88	36.425	26.65		1521.5							
	085	00500	15.75	36.167	26.72		1519.4							
	085	00600	14.14	35.832	26.82		1515.5							
	085	00700	12.30	35.570	26.99		1510.7							
	085	00800	10.05	35.139	27.07		1503.9							
	085	00900	07.65	35.106	27.45		1496.5							
	085	00965	06.67	35.005	27.45		1493.7							
	085	01000	06.50	35.162	27.64		1493.8							
	085	01046	06.57	35.201	27.66		1494.9							
	085	01100	05.93	35.120	27.68		1493.1							
	085	01200	05.39	35.097	27.73		1492.6							
	085	01300	04.96	35.070	27.76		1492.5							
	085	01400	04.70	35.059	27.78		1493.1							
	085	01500	04.47	35.034	27.78		1493.8							

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REFID 31 8094 YEAP 1969 BOTOP 04480 AIR TEMP 16.8 DIR FGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0060 MONTH 04 SHIP YA WET BULB 15.6 05 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E25 060 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
23.9	085	00000	17.42	36.444	26.54		1516.5							
	085	00010	17.41	36.451	26.55		1516.7							
	085	00020	17.41	36.451	26.55		1516.8							
	085	00030	17.35	36.432	26.55		1516.8							
	085	00050	17.10	36.429	26.60		1516.4							
	085	00075	17.07	36.434	26.61		1516.7							
	085	00100	17.07	36.441	26.62		1517.1							
	085	00125	17.07	36.460	26.63		1517.6							
	085	00150	17.03	36.469	26.65		1517.9							
	085	00200	17.07	36.470	26.64		1518.8							
	085	00250	17.06	36.468	26.64		1519.6							
	085	00300	17.02	36.453	26.64		1520.3							
	085	00400	16.70	36.378	26.66		1520.9							
	085	00500	15.35	36.069	26.73		1518.0							
	085	00600	13.85	35.798	26.85		1514.5							
	085	00700	12.22	35.543	26.99		1510.4							
	085	00800	09.73	35.207	27.18		1502.8							
	085	00900	07.20	35.025	27.43		1494.7							
	085	00980	06.07	35.014	27.58		1491.5							
	085	01000	06.48	35.173	27.65		1493.7							
	085	01100	05.79	35.119	27.69		1492.6							
	085	01200	05.16	35.068	27.73		1491.6							
	085	01230	04.71	35.013	27.74		1490.2							
	085	01250	04.71	35.063	27.78		1490.6							
	085	01300	04.85	35.070	27.77		1492.0							
	085	01400	04.63	35.055	27.78		1492.8							
	085	01500	04.37	35.032	27.79		1493.3							

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TABLE V.—Continued

REFIO 31 8094	YEAR 1969	BOTOP 04078	AIR TEMP 16.8	OIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0061	MONTH 04	SHIP YA	WET BULB 15.4	06 3 4	WIND-SPO 06	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 12	DATA USE 1	BAROMETR 1021.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LCNG 048 03 W	HOOR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 061	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PC4	TCT P	NO2	NO3	SI03	PH
05.9	OBS	00000	17.35	36.443	26.55		1516.3							
	OBS	00010	17.35	36.444	26.55		1516.5							
	OBS	00020	17.35	36.450	26.56		1516.7							
	OBS	00030	17.32	36.433	26.55		1516.7							
	OBS	00050	17.16	36.426	26.59		1516.6							
	OBS	00075	17.08	36.438	26.62		1516.8							
	OBS	00100	17.08	36.448	26.62		1517.2							
	OBS	00125	17.02	36.431	26.62		1517.4							
	OBS	00150	17.01	36.437	26.63		1517.8							
	OBS	00200	17.01	36.446	26.64		1518.6							
	OBS	00250	17.01	36.463	26.65		1519.4							
	OBS	00300	16.95	36.426	26.64		1520.0							
	OBS	00400	16.44	36.338	26.65		1520.0							
	OBS	00500	15.37	36.068	26.73		1518.1							
	OBS	00600	14.04	35.834	26.64		1515.2							
	OBS	00700	12.17	35.545	27.00		1510.2							
	OBS	00800	09.65	35.221	27.20		1502.5							
	OBS	00900	07.56	35.027	27.38		1496.1							
	OBS	01000	06.17	35.038	27.58		1492.3							
	OBS	01030	06.09	35.053	27.60		1492.5							
	OBS	01060	06.48	35.154	27.63		1494.7							
	OBS	01100	06.18	35.124	27.65		1494.1							
	OBS	01200	05.59	35.115	27.72		1493.4							
	OBS	01250	04.99	35.042	27.73		1491.7							
	OBS	01300	04.85	35.062	27.76		1492.0							
	OBS	01400	04.70	35.049	27.77		1493.1							
	OBS	01500	04.43	35.019	27.78		1493.6							

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REFIO 31 8094	YEAR 1969	BOTOP 04444	AIR TEMP 17.7	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1206
CONSEC 0062	MONTH 04	SHIP YA	WET BULB 16.0	10 3 4	WIND-SPO 15	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 12	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOOR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E25 062	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
11.5	OBS	00000	17.26	36.416	26.55		1516.0							
	OBS	00010	17.26	36.416	26.55		1516.2							
	OBS	00020	17.25	36.422	26.56		1516.3							
	OBS	00030	17.25	36.424	26.56		1516.5							
	OBS	00050	17.23	36.435	26.58		1516.8							
	OBS	00075	17.10	36.431	26.61		1516.8							
	OBS	00100	17.05	36.437	26.62		1517.1							
	OBS	00125	17.05	36.440	26.62		1517.5							
	OBS	00150	17.03	36.432	26.62		1517.8							
	OBS	00200	16.89	36.399	26.63		1518.2							
	OBS	00250	16.79	36.383	26.64		1518.7							
	OBS	00300	16.60	36.369	26.68		1518.9							
	OBS	00400	16.37	36.340	26.71		1519.8							
	OBS	00500	15.99	36.272	26.75		1520.2							
	OBS	00600	14.54	35.897	26.78		1516.9							
	OBS	00700	12.28	35.499	26.94		1510.6							
	OBS	00800	09.52	35.215	27.22		1502.1							
	OBS	00900	07.34	35.042	27.42		1495.3							
	OBS	00973	06.41	35.036	27.55		1492.8							
	OBS	00990	06.94	35.213	27.62		1495.4							
	OBS	01000	06.81	35.214	27.63		1495.1							
	OBS	01100	05.84	35.112	27.68		1492.8							
	OBS	01200	05.41	35.104	27.73		1492.7							
	OBS	01300	04.90	35.069	27.76		1492.2							
	OBS	01400	04.66	35.053	27.78		1492.9							
	OBS	01500	04.35	35.027	27.79		1493.3							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04279 AIR TEMP 16.6 DIP HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0063 MONTH 04 SHIP YA WET BULB 17.0 10 2 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 56 W HOUR 18.0 AREA 05 CLOUD T/A CLZTR WEATHER A3 ORIG E25 063 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.0	08S	00000	17.76	36.403	26.42		1517.5							
	08S	00010	17.38	36.415	26.53		1516.5							
	08S	00020	17.28	36.421	26.55		1516.4							
	08S	00030	17.23	36.426	26.57		1516.4							
	08S	00050	17.21	36.430	26.58		1516.7							
	08S	00075	17.17	36.426	26.58		1517.0							
	08S	00100	17.04	36.427	26.62		1517.0							
	08S	00125	17.02	36.445	26.64		1517.4							
	08S	00150	17.02	36.447	26.64		1517.8							
	08S	00200	17.02	36.449	26.64		1518.6							
	08S	00250	17.01	36.445	26.64		1519.4							
	08S	00300	16.88	36.403	26.64		1519.8							
	08S	00400	16.36	36.330	26.70		1519.8							
	08S	00500	15.31	36.062	26.74		1517.9							
	08S	00600	13.74	35.751	26.84		1514.1							
	08S	00700	11.35	35.394	27.04		1507.2							
	08S	00800	08.98	35.148	27.26		1500.0							
	08S	00900	07.50	35.079	27.43		1495.9							
	08S	00950	06.43	35.034	27.54		1493.2							
	08S	01000	06.76	35.177	27.61		1494.8							
	08S	01010	06.67	35.211	27.62		1495.2							
	08S	01022	06.69	35.202	27.62		1495.3							
	08S	01100	06.02	35.117	27.66		1493.5							
	08S	01200	05.42	35.099	27.70		1492.7							
	08S	01300	04.96	35.061	27.75		1492.5							
	08S	01400	04.58	35.047	27.76		1492.6							
	08S	01500	04.45	35.042	27.75		1493.7							

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REFID 31 8094 YEAR 1969 BOTDP 04114 AIR TEMP 17.6 DIP HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0064 MONTH 04 SHIP YA WET BULB 16.5 08 2 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 23.8 AREA 05 CLOUD T/A CLZTR WEATHER A1 ORIG F25 064 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.8	08S	00000	17.71	36.433	26.46		1517.4							
	08S	00010	17.52	36.422	26.50		1517.3							
	08S	00020	17.39	36.432	26.54		1516.8							
	08S	00030	17.36	36.435	26.55		1516.8							
	08S	00050	17.33	36.434	26.55		1517.1							
	08S	00075	17.28	36.420	26.55		1517.3							
	08S	00100	17.07	36.417	26.60		1517.1							
	08S	00125	17.04	36.433	26.62		1517.4							
	08S	00150	16.90	36.386	26.62		1517.4							
	08S	00200	16.93	36.410	26.63		1518.3							
	08S	00250	16.83	36.390	26.64		1518.6							
	08S	00300	16.67	36.387	26.67		1519.2							
	08S	00400	16.43	36.346	26.70		1520.3							
	08S	00500	15.94	36.204	26.70		1520.3							
	08S	00600	14.10	35.947	26.84		1515.4							
	08S	00700	12.15	35.517	26.98		1510.1							
	08S	00800	09.51	35.182	27.20		1502.3							
	08S	00900	07.23	35.036	27.44		1494.4							
	08S	00950	06.58	35.077	27.54		1493.3							
	08S	01000	06.82	35.175	27.60		1495.1							
	08S	01100	05.87	35.117	27.68		1492.9							
	08S	01200	05.39	35.066	27.70		1492.5							
	08S	01300	04.94	35.063	27.75		1492.4							
	08S	01400	04.74	35.053	27.77		1492.2							
	08S	01500	04.41	35.025	27.78		1493.5							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04389 AIR TEMP 18.3 DIR HGT PER WIND-DIR 11 INST STO RECORDER TEN SQ 1206  
 CONSEC 0065 MONTH 04 SHIP YA WET BULB 17.0 12 2 3 WIND-SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 13 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 03 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 OFIG E25 065 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNCPH	SNO VEL	UXYG	PD4	TOT P	NO2	NO3	SI03	PH
05.9	OBS	00000	17.56	36.416	26.48		1516.9							
	OBS	00010	17.56	36.413	26.48		1517.1							
	OBS	00020	17.47	36.397	26.45		1517.0							
	OBS	00030	17.15	36.403	26.57		1516.2							
	OBS	00050	17.12	36.411	26.55		1516.4							
	OBS	00075	17.08	36.421	26.60		1516.7							
	OBS	00100	17.05	36.429	26.62		1517.1							
	OBS	00125	17.00	36.429	26.63		1517.3							
	OBS	00150	16.99	36.431	26.63		1517.7							
	OBS	00200	16.95	36.426	26.64		1518.4							
	OBS	00250	16.91	36.422	26.64		1519.1							
	OBS	00300	16.86	36.414	26.65		1519.8							
	OBS	00400	16.47	36.287	26.64		1520.1							
	OBS	00420	16.19	36.275	26.70		1519.5							
	OBS	00450	16.30	36.315	26.71		1520.4							
	OBS	00500	15.45	36.102	26.74		1518.4							
	OBS	00600	14.05	35.828	26.83		1515.2							
	OBS	00700	12.12	35.557	27.02		1510.1							
	OBS	00800	10.01	35.254	27.17		1503.9							
	OBS	00900	07.46	35.056	27.42		1495.7							
	OBS	01000	06.20	35.023	27.57		1492.4							
	OBS	01030	06.45	35.132	27.62		1494.0							
	OBS	01060	06.46	35.161	27.64		1494.6							
	OBS	01100	06.00	35.118	27.67		1493.4							
	OBS	01200	05.57	35.105	27.71		1493.3							
	OBS	01250	05.00	35.062	27.75		1491.8							
	OBS	01300	04.92	35.065	27.76		1492.3							
	OBS	01400	04.57	35.038	27.78		1492.5							
	OBS	01500	04.35	35.022	27.75		1493.2							

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REFID 31 8094 YEAR 1969 BOTOP 04572 AIR TEMP 18.5 DIR HGT PER WIND-DIR 06 INST STO RECORDER TEN SQ 1206  
 CONSEC 0066 MONTH 04 SHIP YA WET BULB 17.2 10 2 3 WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 13 DATA USE 1 BAROMETR 1020.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 046 03 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 OFIG E25 066 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNCPH	SNO VEL	UXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	17.35	36.435	26.55		1516.3							
	OBS	00010	17.34	36.434	26.55		1516.5							
	OBS	00020	17.26	36.436	26.57		1516.4							
	OBS	00030	17.22	36.441	26.58		1516.4							
	OBS	00050	17.17	36.436	26.55		1516.6							
	OBS	00075	17.10	36.435	26.61		1516.8							
	OBS	00100	17.05	36.445	26.62		1517.2							
	OBS	00125	17.07	36.447	26.62		1517.6							
	OBS	00150	17.07	36.445	26.63		1518.0							
	OBS	00200	17.05	36.454	26.64		1518.7							
	OBS	00250	17.04	36.457	26.64		1519.3							
	OBS	00300	16.97	36.441	26.64		1520.1							
	OBS	00400	16.64	36.375	26.67		1520.7							
	OBS	00500	15.91	36.203	26.71		1519.9							
	OBS	00600	14.03	35.758	26.76		1515.1							
	OBS	00700	11.95	35.525	27.03		1509.4							
	OBS	00800	09.57	35.247	27.24		1502.3							
	OBS	00900	07.46	35.357	27.42		1495.7							
	OBS	01000	06.12	35.013	27.57		1492.1							
	OBS	01010	05.94	34.993	27.58		1491.5							
	OBS	01030	06.37	35.122	27.62		1493.6							
	OBS	01045	06.26	35.120	27.63		1493.5							
	OBS	01052	06.37	35.170	27.66		1494.1							
	OBS	01100	06.05	35.118	27.66		1493.6							
	OBS	01200	05.40	35.093	27.72		1492.6							
	OBS	01300	04.99	35.070	27.75		1492.6							
	OBS	01400	04.75	35.055	27.77		1493.3							
	OBS	01500	04.43	35.021	27.78		1493.6							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04480 AIR TEMP 18.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEM 4 1206  
 GUNSEC 0067 MONTH 04 SHIP YA NET BULB 17.3 WIND-SPO 04 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 14 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 043 01 W HOUR 18.0 AREA 05 CLOUD T/A CLZTR WEATHER XI DRIG E25 607 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GY DPTH	SND VEL	UXY6	P 4	TGT P	NO2	NO3	SIL3	PH
18.0	OBS	00000	18.00	36.424	26.38		1518.2							
	OBS	00010	17.47	36.425	26.39		1518.3							
	OBS	00020	17.31	36.426	26.35		1518.5							
	OBS	00030	17.27	36.426	26.36		1518.6							
	OBS	00050	17.29	36.426	26.38		1518.7							
	OBS	00075	17.16	36.444	26.61		1518.8							
	OBS	00100	17.08	36.447	26.62		1517.2							
	OBS	00125	17.03	36.437	26.63		1517.4							
	OBS	00150	17.00	36.444	26.64		1517.5							
	OBS	00200	16.98	36.435	26.64		1517.5							
	OBS	00250	16.86	36.423	26.66		1517.0							
	OBS	00300	16.69	36.384	26.68		1517.1							
	OBS	00400	16.28	36.301	26.70		1517.2							
	OBS	00500	15.05	36.025	26.77		1517.2							
	OBS	00600	13.57	36.76 P	27.66Q									
	OBS	00700	11.78	35.446	27.00		1504.5							
	OBS	00800	09.92	35.253	27.18		1504.6							
	OBS	00900	07.59	35.058	27.40		1499.2							
	OBS	00990	06.23	35.058	27.59		1499.4							
	OBS	01000	06.68	35.136	27.53		1499.2							
	OBS	01013	06.58	35.136	27.60		1499.4							
	OBS	01030	06.83	35.206	27.63		1499.6							
	OBS	01100	05.91	35.121	27.68		1499.0							
	OBS	01200	05.44	35.105	27.72		1492.8							
	OBS	01300	05.01	35.076	27.76		1492.7							
	OBS	01400	04.65	35.056	27.78		1492.8							
	OBS	01500	04.42	35.033	27.75		1493.6							

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REFID 31 8094 YEAR 1969 BOTOP 04480 AIR TEMP 18.2 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEM 4 1206  
 GUNSEC 0068 MONTH 04 SHIP YA NET BULB 16.4 WIND-SPO 04 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 14 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 04 W HOUR 00.0 AREA 05 CLOUD T/A CLZTR WEATHER XI DRIG E25 606 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GY DPTH	SND VEL	UXY6	P 4	TGT P	NO2	NO3	SIL3	PH
00.0	OBS	00000	17.93	36.413	26.35		1518.0							
	OBS	00010	17.73	36.411	26.44		1517.6							
	OBS	00020	17.33	36.421	26.54		1518.6							
	OBS	00030	17.27	36.417	26.55		1518.6							
	OBS	00050	17.16	36.423	26.58		1518.6							
	OBS	00075	17.10	36.440	26.61		1518.6							
	OBS	00100	17.09	36.447	26.62		1517.2							
	OBS	00125	17.08	36.448	26.62		1517.6							
	OBS	00150	17.07	36.448	26.63		1518.0							
	OBS	00200	17.02	36.447	26.64		1518.0							
	OBS	00250	16.90	36.431	26.65		1519.1							
	OBS	00300	16.75	36.396	26.66		1519.4							
	OBS	00400	16.49	36.354	26.65		1520.2							
	OBS	00500	15.92	36.173	26.65		1519.4							
	OBS	00600	14.34	35.841	26.78		1516.2							
	OBS	00700	11.77	35.476	27.02		1508.8							
	OBS	00800	09.46	35.180	27.20		1501.8							
	OBS	00900	07.41	35.049	27.42		1495.5							
	OBS	00960	06.54	35.027	27.52		1493.1							
	OBS	00970	06.38 P	35.09 P	27.55Q									
	OBS	00980	06.54	35.074	27.56 *		1493.5							
	OBS	00990	06.81	35.153	27.59		1494.8							
	OBS	01000	06.70	35.125	27.58		1494.5							
	OBS	01010	06.87	35.213	27.63		1495.5							
	OBS	01050	06.53	35.159	27.63		1494.7							
	OBS	01100	06.01	35.129	27.67		1493.5							
	OBS	01200	05.57	35.107	27.71		1493.3							
	OBS	01300	04.91	35.096	27.78		1492.3							
	OBS	01400	04.66	35.046	27.77		1492.4							
	OBS	01500	04.42	35.034	27.79		1493.6							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTDP 04517 AIF TEMP 18.6 DIF HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0069 MONTH 04 SHIP YA NET SULL 16.7 11 2 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 14 DATA USE 1 BAROMETR 1018.6 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LLNG 048 01 W HOUR 02.0 AREA 05 CLOUD T/A CL/TR WEATHER XI DRIG E25 089 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VCL	OXYG	P34	TOT P	ND2	ND3	SIU3	PH
06.0	0BS	0000	17.60	36.424	26.48		1517.0							
	0BS	0010	17.60	36.424	26.48		1517.2							
	0BS	0020	17.38	36.431	26.54		1516.7							
	0BS	0030	17.14	36.425	26.55		1516.2							
	0BS	0035	17.09	36.431	26.61		1516.8							
	0BS	0075	17.07	36.433	26.61		1516.7							
	0BS	0100	17.05	36.438	26.62		1517.1							
	0BS	00125	17.05	36.435	26.62		1517.5							
	0BS	00150	17.05	36.439	26.62		1517.9							
	0BS	00200	16.98	36.438	26.64		1516.5							
	0BS	00250	16.75	36.384	26.65		1516.6							
	0BS	00300	16.30	36.261	26.66		1517.9							
	0BS	00400	15.43	36.097	26.74		1516.6							
	0BS	00500	14.28	35.852	26.80		1514.3							
	0BS	00600	13.08	35.668	26.91		1511.8							
	0BS	00700	11.46	35.455	27.06		1507.7							
	0BS	00800	09.18	35.264	27.31		1500.9							
	0BS	00900	07.51	35.069	27.44		1496.0							
	0BS	00920	07.09	35.096	27.50		1496.7							
	0BS	00950	06.98	35.116	27.53		1494.8							
	0BS	00965	07.14	35.176	27.56		1495.7							
	0BS	00980	07.02	35.156	27.56		1495.5							
	0BS	01000	07.11	35.203	27.58		1496.2							
	0BS	01100	06.07	35.111	27.65		1493.7							
	0BS	01200	05.35	35.055	27.70		1492.4							
	0BS	01300	04.94	35.054	27.75		1492.4							
	0BS	01400	04.64	35.036	27.77		1492.8							
	0BS	01500	04.38	35.016	27.78		1493.4							

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REFID 31 8094 YEAR 1969 BOTDP 04535 AIF TEMP 18.4 DIF HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0070 MONTH 04 SHIP YA NET SULL 16.8 00 0 0 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 14 DATA USE 1 BAROMETR 1019.2 SEA WIND-FUR DURATION 00.9 2 SQUARE 46  
 LLNG 047 59 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER XI DRIG E25 070 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VCL	OXYG	P34	TOT P	ND2	ND3	SIU3	PH
11.6	0BS	0000	17.56	36.421	26.45		1516.9							
	0BS	0010	17.56	36.404	26.47		1517.1							
	0BS	0020	17.38	36.426	26.53		1516.7							
	0BS	0030	17.22	36.434	26.58		1516.4							
	0BS	0035	17.15	36.444	26.60		1516.6							
	0BS	0075	17.14	36.448	26.61		1516.9							
	0BS	0100	17.11	36.449	26.62		1517.5							
	0BS	00125	17.10	36.448	26.62		1517.6							
	0BS	00150	17.09	36.447	26.62		1518.0							
	0BS	00200	17.02	36.418	26.61		1516.6							
	0BS	00250	16.86	36.401	26.64		1518.9							
	0BS	00300	16.66	36.362	26.66		1519.1							
	0BS	00400	15.95	36.218	26.71		1516.4							
	0BS	00500	15.03	36.023	26.77		1516.9							
	0BS	00573	14.14	35.830	26.82		1515.1							
	0BS	00580	14.20	35.890	26.85		1515.4							
	0BS	00600	13.72	35.733	26.83		1514.0							
	0BS	00700	11.27	35.334	27.00		1506.8							
	0BS	00800	09.72	35.156	27.14		1502.7							
	0BS	00900	07.47	35.207	27.53		1496.0							
	0BS	00910	07.13	35.157	27.54		1494.6							
	0BS	00950	07.19	35.207	27.58		1495.7							
	0BS	01000	06.62	35.175	27.60		1495.1							
	0BS	01100	06.02	35.089	27.64		1493.4							
	0BS	01200	05.34	35.051	27.70		1492.5							
	0BS	01300	04.96	35.052	27.74		1492.4							
	0BS	01400	04.66	35.035	27.76		1492.9							
	0BS	01500	04.35	35.002	27.77		1493.2							
	0BS	01750	04.17	34.984	27.78		1496.7							
	0BS	02000	03.89	34.980	27.80		1499.7							
	0BS	02500	03.43	34.961	27.83		1506.3							
	0BS	03000	02.96	34.938	27.86		1516.9							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 8CTOP 04709 AIR TEMP 18.6 DIR HGT PER WIND-DIR 12 INST STO RECCROER TEN SQ 1206  
 CONSEC 0071 MONTH 04 SHIP YA WET BULB 16.2 10 2 4 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 14 DATA USE 1 BARGMETR 1017.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E25 071 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	085	00000	18.08	36.433	26.37		1518.4							
	085	00010	17.60	36.433	26.45		1517.2							
	085	00020	17.33	36.425	26.54		1516.6							
	085	00030	17.16	36.434	26.59		1516.2							
	085	00050	17.08	36.440	26.62		1516.3							
	085	00075	17.07	36.442	26.62		1516.7							
	085	00100	17.05	36.447	26.63		1517.1							
	085	00125	17.05	36.446	26.63		1517.5							
	085	00150	17.02	36.447	26.64		1517.8							
	085	00200	17.00	36.445	26.64		1518.6							
	085	00250	16.96	36.431	26.64		1519.3							
	085	00300	16.68	36.334	26.63		1519.1							
	085	00400	15.76	36.199	26.74		1517.8							
	085	00500	14.58	35.957	26.82		1515.4							
	085	00512	14.75	36.034	26.84		1516.3							
	085	00600	13.58	35.739	26.86		1513.6							
	085	00700	11.89	35.494	27.01		1509.2							
	085	00800	09.60	35.221	27.21		1502.4							
	085	00900	07.55	35.087	27.43		1496.1							
	085	00970	06.85	35.153	27.58		1494.7							
	085	00987	06.96	35.186	27.59		1495.4							
	085	01000	06.89	35.172	27.59		1495.3							
	085	01051	06.31	35.133	27.64		1493.8							
	085	01100	05.67	35.045	27.65		1492.0							
	085	01115	05.59	35.049	27.66		1491.9							
	085	01130	05.71	35.119	27.70		1492.7							
	085	01200	05.22	35.062	27.72		1491.5							
	085	01300	04.94	35.074	27.76		1492.4							
	085	01400	04.60	35.037	27.77		1492.6							
	085	01500	04.35	35.015	27.79		1493.2							

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REFID 31 8094 YEAR 1969 8CTOP 04718 AIR TEMP 18.0 DIR HGT PER WIND-DIR 21 INST STO RECCROER TEN SQ 1206  
 CONSEC 0072 MONTH 04 SHIP YA WET BULB 15.9 19 1 3 WIND-SPO 07 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 15 DATA USE 1 BARGMETR 1017.4 SEA WIND-FOR DURATION 00.2 2 SQUARE 46  
 LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X0 CRIG E25 072 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.0	085	00000	18.08	36.424	26.36		1518.4							
	085	00010	18.07	36.425	26.36		1518.6							
	085	00020	18.03	36.405	26.36		1518.6							
	085	00030	17.37	36.441	26.55		1516.9							
	085	00050	17.14	36.450	26.61		1516.5							
	085	00075	17.11	36.451	26.62		1516.9							
	085	00100	17.10	36.454	26.62		1517.2							
	085	00125	17.10	36.453	26.62		1517.6							
	085	00150	17.10	36.451	26.62		1518.1							
	085	00200	17.00	36.435	26.63		1518.6							
	085	00250	16.80	36.403	26.66		1518.7							
	085	00300	16.47	36.320	26.67		1518.5							
	085	00400	15.67	36.166	26.74		1517.5							
	085	00430	15.23	36.087	26.78		1516.5							
	085	00450	15.37	36.155	26.80		1517.4							
	085	00500	14.29	35.867	26.81		1514.4							
	085	00510	14.27	35.883	26.83		1514.5							
	085	00530	14.48	35.991	26.87		1515.7							
	085	00600	13.44	35.711	26.87		1513.1							
	085	00700	11.39	35.444	27.07		1507.4							
	085	00800	09.36	35.251	27.28		1501.5							
	085	00900	07.55	35.156	27.48		1496.2							
	085	00970	06.98	35.163	27.57		1495.2							
	085	00990	07.10	35.202	27.58		1496.0							
	085	01000	06.83	35.151	27.58		1495.1							
	085	01100	06.02	35.110	27.66		1493.5							
	085	01200	05.52	35.073	27.69		1493.1							
	085	01300	05.02	35.062	27.74		1492.7							
	085	01400	04.63	35.038	27.77		1492.7							
	085	01500	04.34	35.021	27.79		1493.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BDTOP 04572 AIR TEMP 17.0 DIR HGT PER WIND-DIR 21 INST STD RECCOR DER TEN SQ 1206  
 CCNSEC 0073 MONTH 04 SHIP YA WET BULB 16.0 12 2 3 WIND-SPD 14 TRACE DIR U 5 SQUARE 2  
 LAT 34 59 N DAY 15 DATA USE 1 BARMETR 1014.7 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 51 W HDUR 05.9 AREA 05 CLUD T/A CL/TR WEATHER X1 GRIG E25 073 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	P34	TDT P	ND2	ND3	S133	PH
05.9	DBS	00000	17.69	36.445	26.47		1517.3							
	DBS	00010	17.68	36.443	26.47		1517.5							
	DBS	00020	17.39	36.412	26.52		1516.7							
	DBS	00030	17.31	36.412	26.54		1516.7							
	DBS	00050	17.23	36.411	26.56		1516.8							
	DBS	00075	17.01	36.426	26.62		1516.5							
	DBS	00100	17.00	36.441	26.64		1516.7							
	DBS	00125	16.43	36.407	26.63		1517.1							
	DBS	00150	16.76	36.357	26.63		1516.9							
	DBS	00200	16.46	36.314	26.67		1516.8							
	DBS	00240	16.15	36.245	26.65		1516.3							
	DBS	00250	16.22	36.265	26.65		1516.7							
	DBS	00255	16.15	36.241	26.68		1516.6							
	DBS	00255	16.10	36.225	26.68		1516.5							
	DBS	00300	15.96	36.202	26.70		1516.6							
	DBS	00400	15.33	36.076	26.74		1516.3							
	DBS	00500	14.14	35.832	26.82		1513.9							
	DBS	00600	12.70	35.628	26.96		1510.5							
	DBS	00700	11.00	35.414	27.12		1506.0							
	DBS	00760	10.29	35.247	27.11		1504.2							
	DBS	00800	09.29	35.280	27.31		1501.3							
	DBS	00900	07.33	35.117	27.48		1495.3							
	DBS	00950	06.64	35.094	27.56		1493.4							
	DBS	01000	06.43	35.129	27.62		1493.5							
	DBS	01100	05.85	35.108	27.68		1492.8							
	DBS	01200	05.38	35.086	27.72		1492.5							
	DBS	01300	04.95	35.060	27.75		1492.4							
	DBS	01400	04.64	35.035	27.77		1492.8							
	DBS	01500	04.41	35.022	27.78		1493.5							

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REFID 31 8094 YEAR 1969 BDTOP 04663 AIR TEMP 17.8 DIR HGT PER WIND-DIR 25 INST STD RECCOR DER TEN SQ 1206  
 CCNSEC 0074 MONTH 04 SHIP YA WET BULB 16.2 25 3 2 WIND-SPD 18 TRACE DIR U 5 SQUARE 2  
 LAT 34 59 N DAY 15 DATA USE 1 BARMETR 1013.5 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 048 01 W HDUR 12.4 AREA 05 CLUD T/A CL/TR WEATHER X1 GRIG E25 074 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	P34	TDT P	ND2	ND3	S133	PH
12.4	DBS	00000	17.71	36.437	26.46		1517.4							
	DBS	00010	17.47	36.431	26.52		1516.8							
	DBS	00020	17.20	36.435	26.58		1516.2							
	DBS	00030	17.14	36.438	26.60		1516.2							
	DBS	00050	17.08	36.447	26.62		1516.4							
	DBS	00075	17.05	36.452	26.63		1516.7							
	DBS	00100	17.03	36.454	26.64		1517.0							
	DBS	00125	16.99	36.440	26.64		1517.3							
	DBS	00150	16.91	36.431	26.65		1517.5							
	DBS	00200	16.74	36.404	26.67		1517.7							
	DBS	00250	16.34	36.329	26.71		1517.3							
	DBS	00300	15.89	36.228	26.73		1516.6							
	DBS	00400	15.25	36.068	26.76		1516.1							
	DBS	00422	15.00	36.046	26.80		1515.6							
	DBS	00435	15.06	36.086	26.81		1516.1							
	DBS	00448	14.80	36.030	26.83		1515.4							
	DBS	00500	14.59	35.949	26.81		1515.5							
	DBS	00526	13.93	35.804	26.84		1513.6							
	DBS	00532	13.74	35.740	26.83		1513.0							
	DBS	00600	12.88	35.650	26.94		1511.1							
	DBS	00700	10.59	35.382	27.17		1504.5							
	DBS	00800	09.02	35.239	27.32		1500.2							
	DBS	00900	07.42	35.157	27.50		1495.7							
	DBS	00937	06.95	35.082	27.51		1494.4							
	DBS	00963	06.65	35.183	27.63		1493.8							
	DBS	01000	06.48	35.155	27.63		1493.7							
	DBS	01100	05.41	35.036	27.68		1490.9							
	DBS	01200	05.07	35.069	27.74		1491.2							
	DBS	01215	05.07	35.075	27.75		1491.5							
	DBS	01265	04.74	35.035	27.75		1490.9							
	DBS	01300	04.78	35.060	27.77		1491.7							
	DBS	01400	04.50	35.034	27.78		1492.2							
	DBS	01500	04.28	35.013	27.79		1492.9							

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TABLE V.--Continued

REFID 31 8094 YEAR 1969 BOTDP 04718 AIR TEMP 16.5 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1206  
 CONSFC 0075 MDNTH 04 SHIP YA WET BULB 15.0 33 3 2 WIND-SPD 28 TRACE DIR D 5 SQUARE 2  
 LAT 34 53 N DAY 15 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 047 02 W HOUR 16.1 AREA 05 CLOUD T/A CL/TR WEATHER X8 DRIG E25 075 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.1	DBS	00000	17.67	36.432	26.47		1517.3							
	DBS	00010	17.66	36.434	26.47		1517.4							
	DBS	00020	17.66	36.432	26.47		1517.6							
	DBS	00030	17.48	36.423	26.51		1517.2							
	DBS	00050	17.17	36.430	26.59		1516.6							
	DBS	00075	17.09	36.436	26.61		1516.8							
	DBS	00100	17.06	36.441	26.62		1517.1							
	DBS	00125	17.05	36.442	26.63		1517.5							
	DBS	00150	17.04	36.447	26.63		1517.9							
	DBS	00200	16.99	36.443	26.64		1518.5							
	DBS	00250	16.87	36.406	26.64		1519.0							
	DBS	00300	16.58	36.361	26.68		1518.9							
	DBS	00400	15.80	36.205	26.74		1517.9							
	DBS	00500	14.07	35.935	26.78		1515.7							
	DBS	00515	14.51	35.922	26.81		1515.4							
	DBS	00535	14.67	35.980	26.82		1516.3							
	DBS	00600	13.37	35.706	26.88		1512.8							
	DBS	00700	11.12	35.405	27.09		1506.4							
	DBS	00800	09.23	35.241	27.25		1501.0							
	DBS	00500	07.31	35.070	27.45		1495.2							
	DBS	00968	06.69	35.125	27.58		1494.0							
	DBS	01000	06.16	35.074	27.61		1492.3							
	DBS	01033	06.08	35.136	27.67		1492.6							
	DBS	01100	05.72	35.108	27.65		1492.3							
	DBS	01200	05.29	35.083	27.73		1492.2							
	DBS	01300	04.89	35.061	27.76		1492.2							
	DBS	01400	04.59	35.038	27.77		1492.6							
	DBS	01500	04.27	35.005	27.78		1492.9							

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REFID 31 8094 YEAR 1969 BOTDP 04755 AIR TEMP 14.5 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206  
 CONSFC 0076 MDNTH 04 SHIP YA WET BULB 11.4 33 5 3 WIND-SPD 21 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 16 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 40 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E25 076 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	DBS	00000	17.33	36.404	26.53		1516.2							
	DBS	00010	17.33	36.414	26.54		1516.4							
	DBS	00020	17.32	36.417	26.54		1516.5							
	DBS	00030	17.31	36.414	26.54		1516.7							
	DBS	00050	17.09	36.441	26.62		1516.4							
	DBS	00075	17.06	36.440	26.62		1516.7							
	DBS	00100	17.04	36.440	26.63		1517.0							
	DBS	00125	17.04	36.438	26.62		1517.5							
	DBS	00150	16.99	36.429	26.63		1517.7							
	DBS	00200	16.77	36.385	26.65		1517.8							
	DBS	00250	16.54	36.355	26.68		1517.9							
	DBS	00300	16.30	36.276	26.68		1517.9							
	DBS	00400	15.36	36.087	26.75		1516.4							
	DBS	00500	14.32	35.885	26.82		1514.5							
	DBS	00510	14.58	35.973	26.83		1515.0							
	DBS	00600	13.08	35.671	26.91		1511.8							
	DBS	00700	11.26	35.425	27.02		1506.9							
	DBS	00800	09.75	35.300	27.25		1503.0							
	DBS	00900	07.86	35.146	27.43		1497.4							
	DBS	01000	06.67	35.102	27.57		1494.4							
	DBS	01100	06.07	35.127	27.66		1493.7							
	DBS	01200	05.31	35.067	27.71		1492.2							
	DBS	01300	04.88	35.043	27.74		1492.1							
	DBS	01400	04.57	35.027	27.77		1492.5							
	DBS	01500	04.31	35.010	27.78		1493.1							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 04206 AIR TEMP 14.8 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0077 MONTH 04 SHIP YA WET BULB 11.1 31 4 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 16 DATA USE 1 BARGMETR 1020.0 SEA WIND-FIR DURATION 00.4 2 SQUARE 46  
 LONG 047 59 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E25 077 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	17.41	36.412	26.52		1516.5							
	OBS	00010	17.42	36.414	26.51		1516.7							
	OBS	00020	17.42	36.415	26.52		1516.9							
	OBS	00030	17.42	36.416	26.52		1517.0							
	OBS	00050	17.37	36.411	26.52		1517.2							
	OBS	00075	17.00	36.390	26.60		1516.5							
	OBS	00100	16.72	36.377	26.65		1516.0							
	OBS	00125	16.58	36.366	26.66		1516.0							
	OBS	00150	16.49	36.327	26.67		1516.1							
	OBS	00200	16.30	36.301	26.70		1516.3							
	OBS	00250	16.07	36.266	26.71		1516.3							
	OBS	00300	15.79	36.180	26.72		1516.2							
	OBS	00400	14.77	36.94 P	27.54 Q									
	OBS	00500	13.79	35.765	26.84		1512.6							
	OBS	00600	12.64	35.617	26.96		1510.3							
	OBS	00700	10.94	35.386	27.11		1505.3							
	OBS	00800	09.52	35.210	27.22		1502.1							
	OBS	00900	07.57	35.109	27.44		1496.2							
	OBS	00950	07.23	35.175	27.54		1495.8							
	OBS	00970	07.27	35.184	27.55		1496.3							
	OBS	01000	06.86	35.152	27.58		1495.2							
	OBS	01100	05.87	35.089	27.66		1492.8							
	OBS	01200	05.12	35.025	27.70		1491.4							
	OBS	01300	04.83	35.042	27.75		1491.3							
	OBS	01400	04.36	35.036	27.77		1492.4							
	OBS	01500	04.28	35.009	27.78		1492.9							

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REFID 31 8094 YEAR 1969 BOTOP 04572 AIR TEMP 16.5 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206  
 CONSEC 0078 MONTH 04 SHIP YA WET BULB 11.6 30 4 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56.5N DAY 16 DATA USE 1 BARGMETR 1021.4 SEA WIND-FIR DURATION 00.4 2 SQUARE 46  
 LONG 047 48 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E25 078 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	17.40	36.399	26.51		1516.4							
	OBS	00010	17.40	36.400	26.51		1516.6							
	OBS	00020	17.40	36.402	26.51		1516.8							
	OBS	00030	17.40	36.406	26.51		1516.7							
	OBS	00050	17.08	36.387	26.56		1516.3							
	OBS	00075	17.01	36.389	26.59		1516.5							
	OBS	00100	16.78	36.374	26.64		1516.2							
	OBS	00125	16.62	36.361	26.67		1516.1							
	OBS	00150	16.54	36.350	26.68		1516.3							
	OBS	00200	16.32	36.292	26.66		1516.3							
	OBS	00250	15.84	36.183	26.71		1515.6							
	OBS	00262	16.00	36.243	26.72		1516.3							
	OBS	00300	15.68	36.212	26.72		1516.5							
	OBS	00400	15.31	36.051	26.72		1516.2							
	OBS	00500	14.12	35.819	26.81		1513.8							
	OBS	00600	12.69	35.589	26.93		1510.4							
	OBS	00700	11.30	35.377	27.03		1507.0							
	OBS	00773	09.66	35.138	27.14		1502.0							
	OBS	00860	09.06	35.221	27.30		1501.7							
	OBS	00900	07.77	35.157	27.45		1497.1							
	OBS	00962	07.22	35.084	27.47		1495.7							
	OBS	00975	06.89	35.165	27.54		1494.9							
	OBS	01000	06.58	35.115	27.59		1494.0							
	OBS	01100	05.65	35.055	27.66		1491.9							
	OBS	01200	05.42	35.044	27.68		1492.6							
	OBS	01260	04.94	35.015	27.71		1492.0							
	OBS	01300	05.05	35.045	27.73		1492.3							
	OBS	01400	04.88	35.036	27.74		1493.1							
	OBS	01500	04.64	35.019	27.75		1494.4							

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TABLE V.—Continued

REFID	31	8094	YEAR	1969	BOTOP	04435	AIR TEMP	16.4	DIR HGT PER	WIND-DIR	28	INST STD RECORDER	TEN SQ	1206
CONSEC	0079	MONTH	04	SHIP YA	NET BULB	12.6	32	6	3	WIND-SPD	19	TRACE DIR	0	5 SQUARE
LAT	35 01 N	DAY	16	DATA USE	1	BAROMETR	1022.5	SEA	CL/TR	WIND-FGR	00.5	DURATION	00.5	2 SQUARE
LONG	047 59 W	HOUR	18.3	AREA	05	CLOUD T/A				WEATHER	X1	ORIG E25	079	1 SQUARE
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PL4	TCT P	NO2	NO3	SIG3	PH
18.3	OBS	00000	17.29	36.387	26.53		1516.1							
	OBS	00010	17.29	36.390	26.53		1516.2							
	OBS	00020	17.28	36.392	26.53		1516.4							
	OBS	00030	17.27	36.395	26.54		1516.5							
	OBS	00035	17.03	36.391	26.55		1516.1							
	OBS	00075	16.80	36.375	26.63		1515.8							
	OBS	00100	16.62	36.360	26.67		1515.7							
	OBS	00145	16.53	36.360	26.65		1515.8							
	OBS	00150	16.49	36.346	26.65		1516.1							
	OBS	00200	16.32	36.316	26.70		1516.4							
	OBS	00250	16.13	36.255	26.70		1516.5							
	OBS	00300	15.68	36.174	26.74		1515.9							
	OBS	00400	14.70	35.957	26.79		1514.2							
	OBS	00500	13.78	35.787	26.86		1512.6							
	OBS	00600	12.69	35.589	26.93		1510.4							
	OBS	00700	11.09	35.488	27.08		1506.3							
	OBS	00800	09.27	35.240	27.28		1501.2							
	OBS	00900	07.19	35.085	27.48		1496.7							
	OBS	00920	06.82	35.087	27.53		1493.6							
	OBS	00960	06.83	35.096	27.54		1494.3							
	OBS	01000	06.38	35.095	27.60		1493.2							
	OBS	01100	05.46	35.026	27.66		1491.1							
	OBS	01140	05.10	34.997	27.68		1490.3							
	OBS	01165	05.05	34.998	27.69		1490.5							
	OBS	01200	05.23	35.057	27.71		1491.9							
	OBS	01240	05.21	35.063	27.72		1492.5							
	OBS	01300	04.89	35.052	27.75		1492.4							
	OBS	01400	04.35	35.024	27.77		1492.4							
	OBS	01500	04.35	35.015	27.78		1493.2							

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REFID	31	8094	YEAR	1969	BOTOP	04206	AIR TEMP	13.9	DIR HGT PER	WIND-DIR	24	INST STD RECORDER	TEN SQ	1206
CONSEC	0060	MONTH	04	SHIP YA	NET BULB	10.6	34	4	3	WIND-SPD	18	TRACE DIR	0	5 SQUARE
LAT	34 55 N	DAY	17	DATA USE	1	BAROMETR	1025.7	SEA	CL/TR	WIND-FGR	00.5	DURATION	00.5	2 SQUARE
LONG	047 57 W	HOUR	00.0	AREA	05	CLOUD T/A				WEATHER	X1	ORIG E25	080	1 SQUARE
CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DAYG	PL4	TCT P	NO2	NO3	SIG3	PH
00.0	OBS	00000	17.27	36.388	26.55		1516.0							
	OBS	00010	17.26	36.393	26.54		1516.2							
	OBS	00020	17.26	36.395	26.54		1516.3							
	OBS	00030	17.26	36.392	26.54		1516.5							
	OBS	00050	17.19	36.391	26.55		1516.6							
	OBS	00075	16.94	36.380	26.60		1516.3							
	OBS	00100	16.65	36.378	26.67		1515.8							
	OBS	00125	16.40	36.339	26.70		1515.4							
	OBS	00150	16.37	36.324	26.70		1515.7							
	OBS	00200	16.20	36.275	26.70		1516.0							
	OBS	00250	15.81	36.152	26.65		1515.4							
	OBS	00300	15.42	36.081	26.73		1515.0							
	OBS	00400	14.06	35.924	26.78		1514.0							
	OBS	00500	13.84	35.759	26.82		1512.8							
	OBS	00600	12.43	35.574	26.97		1509.5							
	OBS	00700	10.64	35.384	27.16		1504.7							
	OBS	00800	08.82	35.161	27.25		1499.4							
	OBS	00900	07.06	35.080	27.45		1494.2							
	OBS	00930	06.81	35.096	27.54		1493.8							
	OBS	00960	06.88	35.145	27.57		1494.6							
	OBS	01000	06.53	35.112	27.59		1493.8							
	OBS	01100	05.81	35.058	27.68		1492.6							
	OBS	01170	05.53	35.066	27.68		1492.6							
	OBS	01200	05.20	35.065	27.72		1491.8							
	OBS	01210	05.19	35.064	27.72		1491.9							
	OBS	01220	05.28	35.084	27.73		1492.5							
	OBS	01300	05.02	35.053	27.74		1492.7							
	OBS	01400	04.65	35.034	27.76		1492.8							
	OBS	01500	04.35	35.003	27.77		1493.2							

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TABLE V.—Continued

REFID 31 8094 YEAR 1965 BUTDP 03749 AIR TEMP 14.6 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CGNSFC 0021 MONTH 04 SHIP YA MET BULL 10.5 01 n s WIND-SPO 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1026.1 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 05 W HOUR 05.9 AREA 05 CLOUD T/A CLZTR WEATHER XI CRIG E25 081 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DRY DPTH	SWL VEL	DRY6	PL4	TGT P	NO2	NO3	SIO3	PH
05.9	OBS	00000	17.23	36.392	26.54		1515.9							
	OBS	00010	17.22	36.393	26.55		1516.0							
	OBS	00020	17.22	36.392	26.55		1516.2							
	OBS	00030	17.22	36.395	26.55		1516.4							
	OBS	00050	17.22	36.398	26.55		1516.7							
	OBS	00075	16.97	36.389	26.60		1516.4							
	OBS	00100	16.75	36.373	26.64		1516.1							
	OBS	00125	16.59	36.357	26.67		1516.0							
	OBS	00150	16.46	36.340	26.68		1516.1							
	OBS	00200	16.40	36.312	26.68		1516.6							
	OBS	00250	16.11	36.265	26.71		1516.9							
	OBS	00300	15.89	36.201	26.71		1516.0							
	OBS	00400	15.37	36.076	26.74		1516.9							
	OBS	00500	13.94	35.803	26.84		1513.2							
	OBS	00600	12.60	35.618	26.97		1510.1							
	OBS	00700	11.50	35.365	26.95		1507.7							
	OBS	00800	09.0E	35.200	27.28		1500.4							
	OBS	00900	07.44	35.117	27.47		1495.7							
	OBS	00930	07.24	35.161	27.53		1495.5							
	OBS	00960	07.24	35.179	27.55		1496.0							
	OBS	01000	06.75	35.135	27.58		1494.7							
	OBS	01100	05.65	35.064	27.67		1491.9							
	OBS	01120	05.61	35.069	27.68		1492.1							
	OBS	01130	05.31	35.028	27.68		1491.0							
	OBS	01140	05.48	35.067	27.65		1491.9							
	OBS	01100	05.13	35.035	27.71		1491.4							
	OBS	01300	04.71	35.026	27.75		1491.4							
	OBS	01400	04.65	35.037	27.77		1492.8							
	OBS	01500	04.38	35.013	27.78		1493.4							

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REFID 31 8094 YEAR 1965 BUTDP 04261 AIR TEMP 15.6 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CGNSFC 0022 MONTH 04 SHIP YA MET BULL 11.0 33 4 4 WIND-SPO 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 17 DATA USE 1 BAROMETR 1028.4 SEA WIND-FUR DURATION 00.2 2 SQUARE 48  
 LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CLZTR WEATHER XI CRIG E25 082 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DRY DPTH	SWL VEL	DRY6	PL4	TGT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	17.28	36.413	26.55		1516.1							
	OBS	00010	17.27	36.414	26.55		1516.2							
	OBS	00020	17.27	36.415	26.55		1516.4							
	OBS	00030	17.27	36.418	26.55		1516.6							
	OBS	00050	17.27	36.413	26.55		1516.9							
	OBS	00075	17.03	36.393	26.59		1516.5							
	OBS	00100	16.82	36.388	26.64		1516.3							
	OBS	00125	16.65	36.370	26.67		1516.2							
	OBS	00150	16.57	36.362	26.68		1516.4							
	OBS	00200	16.40	36.328	26.65		1516.6							
	OBS	00250	16.21	36.290	26.71		1516.8							
	OBS	00300	15.89	36.221	26.73		1516.0							
	OBS	00400	15.26	36.054	26.74		1516.1							
	OBS	00500	14.07	35.813	26.62		1512.6							
	OBS	00600	12.46	35.589	26.97		1509.6							
	OBS	00700	10.71	35.394	27.15		1504.9							
	OBS	00712	10.65	35.396	27.17		1504.9							
	OBS	00741	09.94	35.227	27.16		1502.6							
	OBS	00800	09.41	35.215	27.24		1501.7							
	OBS	00830	08.72	35.142	27.25		1499.5							
	OBS	00849	08.35	35.170	27.37		1498.5							
	OBS	00870	08.05	35.118	27.38		1497.0							
	OBS	00900	07.41	35.076	27.44		1495.6							
	OBS	00940	07.13	35.115	27.51		1495.2							
	OBS	00951	07.06	35.191	27.58		1495.2							
	OBS	01000	06.81	35.144	27.58		1495.0							
	OBS	01092	05.87	35.109	27.65		1492.7							
	OBS	01100	05.85	35.094	27.67		1492.8							
	OBS	01125	05.42	35.044	27.68		1491.4							
	OBS	01140	05.42	35.045	27.68		1491.6							
	OBS	01170	05.04	35.005	27.65		1490.7							
	OBS	01200	05.20	35.063	27.72		1491.8							
	OBS	01210	05.32	35.084	27.72		1492.5							
	OBS	01300	05.07	35.064	27.74		1492.9							
	OBS	01400	04.50	35.016	27.77		1492.2							
	OBS	01500	04.29	35.014	27.75		1493.0							

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TABLE V.—Continued

REFID 31 8094 YEAR 1969 BOTOP 05237 AIR TEMP 16.0 DIR HGT FER WIND-DIR UJ INST STO RECORDER TEN SQ 1206  
 CONSEC 0083 MONTH 04 SHIP YA WET GULB 12.1 33 3 4 WIND-SPD UJ TRACE DIR U 5 SQUARE 4  
 LAT 35 01 N DAY 17 OATA USE 1 BAROMETR 1020.3 SEA WIND-FLK DURATION 00.5 2 SQUARE 46  
 LONG 048 01 W HOUR 18.4 AREA 05 CLOUD T/A CL/TK WEATHER XU CRIG E25 083 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIU-M-T	DYN-DPTH	SND VEL	DXYG	P 4	TOT P	NO2	NO3	SIU3	PH
18.4	085	0000	17.96	36.443	26.40		1511.1							
	085	0010	17.47	36.424	26.51		1515.8							
	085	0020	17.37	36.432	26.54		1516.7							
	085	0030	17.35	36.433	26.55		1515.8							
	085	0050	17.33	36.435	26.55		1517.1							
	085	0075	17.32	36.426	26.55		1517.4							
	085	0100	16.99	36.391	26.60		1516.8							
	085	0115	16.85	36.426	26.66		1516.9							
	085	0150	16.60	36.406	26.66		1517.1							
	085	0200	16.46	36.314	26.67		1516.8							
	085	0250	16.29	36.301	26.70		1517.1							
	085	0300	16.16	36.260	26.71		1517.5							
	085	0375	15.60	36.212	26.74		1517.5							
	085	0392	15.57	36.139	26.74		1517.0							
	085	0400	15.51	36.126	26.74		1516.9							
	085	0500	14.17	35.777	26.77		1515.9							
	085	0600	12.54	35.589	26.96		1509.9							
	085	0700	11.14	35.393	27.07		1506.5							
	085	0800	09.22	35.190	27.25		1503.9							
	085	0900	07.46	35.125	27.48		1499.3							
	085	0920	07.29	36.17 P	28.32		1517.1							
	085	0950	07.26	35.188	27.55		1496.0							
	085	1000	06.52	35.137	27.61		1495.8							
	085	1100	05.82	35.089	27.67		1495.6							
	085	1140	05.44	35.091	27.72		1491.8							
	085	1190	05.33	35.082	27.72		1492.2							
	085	1200	05.05	35.045	27.73		1491.1							
	085	01205	04.79	35.018	27.74		1490.6							
	085	01270	04.91	35.064	27.76		1491.8							
	085	01300	04.76	35.045	27.76		1491.6							
	085	01400	04.56	35.036	27.76		1492.5							
	085	01500	04.33	35.019	27.75		1493.2							

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REFID 31 8094 YEAR 1969 BOTOP 04535 AIR TEMP 15.2 DIR HGT FER WIND-DIR UJ INST STO RECORDER TEN SQ 1206  
 CONSEC 0084 MONTH 04 SHIP YA WET GULB 11.5 35 3 2 WIND-SPD UJ TRACE DIR U 5 SQUARE 2  
 LAT 34 56 N DAY 18 OATA USE 1 BAROMETR 1030.0 SEA WIND-FLK DURATION 00.5 2 SQUARE 48  
 LONG 048 11 W HOUR 00.1 AREA 05 CLOUD T/A CL/TK WEATHER XU CRIG E25 084 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIU-M-T	DYN-DPTH	SND VEL	DXYG	P 4	TOT P	NO2	NO3	SIU3	PH
00.1	085	0000	17.66	36.313	26.38		1517.1							
	085	0010	17.33	36.344	26.52		1516.4							
	085	0020	17.28	36.402	26.54		1516.4							
	085	0030	17.25	36.404	26.55		1516.5							
	085	0050	17.11	36.391	26.57		1516.4							
	085	0075	16.79	36.375	26.64		1515.8							
	085	0100	16.63	36.365	26.67		1515.7							
	085	0125	16.50	36.347	26.68		1515.7							
	085	0150	16.44	36.327	26.68		1515.9							
	085	0200	16.22	36.275	26.65		1515.0							
	085	0250	15.88	36.199	26.71		1515.7							
	085	0300	15.74	36.173	26.73		1516.1							
	085	0400	14.68	35.938	26.74		1514.7							
	085	0500	13.63	35.758	26.87		1512.1							
	085	0600	12.41	35.592	26.99		1509.5							
	085	0700	10.96	35.414	27.12		1505.9							
	085	0800	08.92	35.180	27.25		1499.8							
	085	0900	07.40	35.087	27.45		1495.5							
	085	0960	06.51	35.024	27.53		1493.0							
	085	0970	06.59	35.054	27.57		1493.6							
	085	0975	06.52	35.074	27.56		1493.3							
	085	1000	06.60	35.133	27.60		1494.1							
	085	1020	06.48	35.114	27.60		1494.0							
	085	1040	06.56	35.155	27.62		1494.7							
	085	1100	05.93	35.109	27.67		1493.1							
	085	1200	05.44	35.084	27.71		1492.8							
	085	01300	05.31	35.061	27.71		1493.9							
	085	01400	04.72	35.049	27.77		1493.1							
	085	01500	04.40	35.033	27.79		1493.5							

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TABLE V.—Continued

REFID 01 8094 YEAR 1969 BGTOP 04297 AIR TEMP 15.6 WIND-DIR 27 WIND-SPD 04 INST STD RECLDER TEN SW 1206  
 CONSEC 0085 MONTH 04 SHIP YA 12.1 WIND-SPD 04 TRACD DIR 0 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BARG/HT 1.48.6 SCA 2 2 4 WIND-F 0 UNXATION 00.5 4 SQUARE 40  
 LCNG 048 00 W HOUR 06.5 AREA 05 CLGUD T/A CLZTF WEATPRN 01 ORIG 629 085 1 SQUARE 56

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SND VEL	DAYG	PC4	TGT P	NU2	NU3	SIG3	PH
06.5	085	00000	17.47	36.415	26.50									
	085	00010	17.42	36.411	26.51		1516.6							
	085	00020	17.36	36.415	26.51		1516.7							
	085	00030	17.29	36.417	26.54		1516.5							
	085	00050	17.23	36.411	26.55		1516.6							
	085	00075	17.06	36.400	26.56		1516.8							
	085	00100	16.70	36.378	26.60		1516.5							
	085	00125	16.56	36.357	26.66		1516.0							
	085	00140	16.33	36.277	26.68		1516.9							
	085	00150	16.45	36.351	26.67		1516.4							
	085	00200	16.28	36.305	26.70		1516.0							
	085	00250	15.54	36.244	26.70		1516.2							
	085	00300	15.70	36.195	26.74		1515.9							
	085	00400	15.11	36.037	26.75		1516.2							
	085	00500	13.94	35.804	26.76		1515.6							
	085	00600	12.67	35.589	26.84		1513.2							
	085	00700	11.37	34.43 P	26.53		1510.3							
	085	00800	09.67	35.261	26.28L*									
	085	00900	07.43	35.088	27.23		1502.7							
	085	00960	06.68	35.094	27.45		1495.7							
	085	00970	06.60	35.155	27.56		1495.7							
	085	01000	06.43	35.123	27.59		1494.5							
	085	01100	05.82	35.080	27.61		1493.5							
	085	01130	05.62	35.082	27.66		1492.6							
	085	01190	04.91	35.010	27.69		1492.3							
	085	01200	05.16	35.065	27.71		1490.3							
	085	01230	04.93	35.047	27.73		1491.6							
	085	01250	05.01	35.063	27.74		1491.1							
	085	01300	04.71	35.032	27.75		1491.8							
	085	01320	04.77	35.066	27.76		1491.4							
	085	01400	04.57	35.036	27.78		1492.0							
	085	01500	04.33	35.020	27.79		1493.2							

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TABLE VI.--Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station ECHO, 18 April 1969 - 11 May 1969, prepared from NODC listing No. 31 - 8097.

REFID 31 8097 YEAR 1969 BOTDP 03840 AIF TEMP 17.4 DIF HOT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0001 MONTH 04 SHIP E1 WET BULB 13.2 SEA 4 3 WIND-SPD 00 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1029.7 SEA WIND-FRK DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 11.0 AREA 05 CLDUD T/A CLZTR WEATHER K1 ORIG E26 001 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
11.0	08S	00000	17.40	36.424	26.53		1516.5							
	08S	00010	17.39	36.416	26.52		1516.6							
	08S	00020	17.37	36.414	26.52		1516.7							
	08S	00030	17.36	36.409	26.52		1516.7							
	08S	00040	17.31	36.400	26.52		1517.0							
	08S	00070	17.11	36.381	26.50		1516.8							
	08S	00100	16.95	36.365	26.55		1516.7							
	08S	00150	16.65	36.380	26.63		1516.8							
	08S	00150	16.46	36.290	26.64		1516.0							
	08S	00175	16.29	36.288	26.65		1516.0							
	08S	00170	16.52	36.335	26.67		1517.0							
	08S	00250	16.25	36.294	26.65		1517.1							
	08S	00300	16.12	36.248	26.70		1517.3							
	08S	00400	15.91	36.158	26.77		1517.0							
	08S	00500	14.42	35.890	26.80		1514.8							
	08S	00600	12.43	35.522	26.93		1509.4							
	08S	00700	10.50	35.303	27.12		1504.1							
	08S	00800	09.02	35.134	27.24		1500.1							
	08S	00900	07.26	35.026	27.42		1494.9							
	08S	00940	06.75	35.075	27.54		1493.7							
	08S	00955	06.91	35.111	27.54		1494.6							
	08S	01000	06.41	35.091	27.56		1493.3							
	08S	01100	05.50	35.031	27.67		1491.3							
	08S	01145	05.23	35.005	27.67		1490.9							
	08S	01200	05.00	35.073	27.74		1492.2							
	08S	01300	05.00	35.042	27.73		1492.6							
	08S	01400	04.56	35.007	27.75		1492.4							
	08S	01497	04.42	35.021	27.76		1493.5							

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REFID 31 8097 YEAR 1969 BOTDP 02743 AIF TEMP 17.5 DIF HOT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 04 SHIP E1 WET BULB 14.0 SEA 4 3 WIND-SPD 00 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 18 DATA USE 1 BAROMETR 1029.7 SEA WIND-FRK DURATION 00.3 2 SQUARE 48  
 LONG 048 04 W HOUR 17.6 AREA 05 CLDUD T/A CLZTR WEATHER K1 ORIG E26 002 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
17.6	08S	00000	18.20	36.516	26.40		1518.9							
	08S	00010	18.02	36.522	26.45		1518.5							
	08S	00020	17.99	36.507	26.45		1518.6							
	08S	00030	17.80	36.495	26.48		1518.2							
	08S	00050	17.72	36.490	26.50		1518.3							
	08S	00075	17.50	36.435	26.51		1518.0							
	08S	00100	17.13	36.420	26.59		1517.3							
	08S	00125	17.09	36.420	26.60		1517.6							
	08S	00150	17.08	36.437	26.61		1518.0							
	08S	00200	17.04	36.441	26.63		1518.7							
	08S	00250	16.96	36.416	26.63		1519.2							
	08S	00300	16.70	36.345	26.63		1519.2							
	08S	00400	15.41	36.047	26.70		1516.5							
	08S	00500	14.40	35.899	26.81		1514.8							
	08S	00600	12.76	35.605	26.93		1510.7							
	08S	00700	11.34	35.373	27.02		1507.1							
	08S	00800	09.34	35.214	27.25		1501.4							
	08S	00892	07.79	35.090	27.40		1496.9							
	08S	00900	07.41	35.027	27.40		1493.5							
	08S	00940	07.44	35.167	27.51		1496.5							
	08S	01000	06.72	35.115	27.57		1494.6							
	08S	01060	05.90	35.001	27.59		1492.2							
	08S	01085	05.60	35.012	27.63		1491.4							
	08S	01100	05.53	35.050	27.67		1491.4							
	08S	01125	05.64	35.062	27.67		1492.3							
	08S	01200	05.04	35.025	27.71		1491.1							
	08S	01300	04.90	35.038	27.74		1492.2							
	08S	01400	04.61	35.020	27.76		1492.6							
	08S	01498	04.41	35.013	27.77		1493.5							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 02743 AIR TEMP 18.4 UIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ L206  
 CONSEC 0003 MONTH 04 SHIP E1 WET BULB 14.9 36 4 4 WIND-SPL 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 18 DATA USE 1 BAROMETR 1030.0 SEA WIND-FGR DURATION 00.3 2 SQUARE 48  
 LONG 048 02 W HOUR 23.5 AREA 05 CLOUD T/A CL/TP WEATHER XI ORIG L26 003 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DXYG	PU4	TOT P	NO2	NU3	SI03	PH
23.5	085	00000	18.25	36.549	26.41		1519.1							
	085	00010	18.15	36.547	26.44		1518.9							
	085	00020	18.12	36.548	26.44		1519.0							
	085	00030	18.11	36.550	26.45		1519.2							
	085	00050	18.09	36.549	26.45		1519.4							
	085	00075	17.84	36.488	26.51		1518.6							
	085	00100	17.52	36.441	26.51		1518.5							
	085	00125	17.41	36.435	26.54		1518.5							
	085	00150	17.31	36.415	26.54		1518.6							
	085	00200	17.14	36.424	26.53		1519.0							
	085	00250	17.05	36.436	26.62		1519.5							
	085	00300	16.81	36.376	26.63		1519.6							
	085	00400	16.17	36.260	26.69		1519.1							
	085	00500	14.89	35.985	26.77		1516.5							
	085	00600	13.11	35.661	26.90		1511.9							
	085	00700	11.41	35.383	27.02		1507.4							
	085	00800	05.67	35.270	27.24		1502.7							
	085	00900	07.43	35.053	27.42		1455.6							
	085	00920	07.13	35.098	27.50		1494.8							
	085	00930	07.33	35.147	27.51		1495.9							
	085	01000	06.72	35.114	27.57		1494.6							
	085	01100	05.92	35.032	27.61		1493.0							
	085	01200	05.20	35.035	27.70		1491.7							
	085	01300	04.91	35.044	27.74		1492.2							
	085	01400	04.58	35.025	27.76		1492.5							
	085	01500	04.41	35.010	27.77		1493.5							

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REFID 31 8097 YEAR 1969 BOTOP 03017 AIR TEMP 17.6 UIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ L206  
 CONSEC 0004 MONTH 04 SHIP E1 WET BULB 14.7 36 3 5 WIND-SPO 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 14 DATA USE 1 BAROMETR 1030.0 SEA WIND-FGR DURATION 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 03.7 AREA 05 CLOUD T/A CL/TP WEATHER XI ORIG E26 004 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DXYG	PU4	TOT P	NO2	NU3	SI03	PH
05.7	085	00000	18.07	36.538	26.45		1518.5							
	085	00010	18.06	36.536	26.45		1518.7							
	085	00020	17.98	36.524	26.46		1518.6							
	085	00030	17.95	36.509	26.46		1518.6							
	085	00050	17.71	36.480	26.49		1518.2							
	085	00075	17.40	36.429	26.53		1517.7							
	085	00100	17.27	36.441	26.57		1517.7							
	085	00125	17.29	36.440	26.57		1518.2							
	085	00150	17.16	36.434	26.59		1518.2							
	085	00200	17.07	36.431	26.61		1518.8							
	085	00250	16.95	36.420	26.63		1519.2							
	085	00300	16.82	36.401	26.65		1519.6							
	085	00400	16.26	36.260	26.67		1519.4							
	085	00500	14.94	35.968	26.75		1516.6							
	085	00600	13.67	35.670	26.79		1513.8							
	085	00700	11.61	35.415	27.00		1508.1							
	085	00800	09.65	35.241	27.22		1502.6							
	085	00900	07.79	35.045	27.36		1497.0							
	085	00930	07.26	35.107	27.49		1495.5							
	085	00970	07.30	35.174	27.53		1496.4							
	085	01000	06.90	35.129	27.55		1495.3							
	085	01100	05.95	35.069	27.63		1493.1							
	085	01200	05.18	35.032	27.70		1491.6							
	085	01300	04.91	35.040	27.74		1492.2							
	085	01400	04.65	35.028	27.76		1492.8							
	085	01500	04.42	35.013	27.77		1493.5							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 03201 AIR TEMP 18.6 DIR FKT PRR WIND-DIR 15 INST ST REC'D REF TENDG 1206  
 CONSEC 0005 MONTH 04 SHIP E1 WET BULB 16.2 DIR SPD 11 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 19 DATA USE 1 BAROMETER 1031.5 SEA WIND-REF 11 DURATION 01.6 2 SQUARE 44  
 LONG 048 11 W HOUR 11.6 AREA 05 CLOUD T/A CLZTF WEATHER XL CNIG 1206005 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SPC	SIGMA-T	DYNDEPTH	SPC VEL	CLAS	PH	TOT P	CLAS	PH
11.6	DBS	0000J	17.60	36.448	26.49		1517.1					
	DBS	0001D	17.59	36.448	26.48		1517.2					
	DBS	0002D	17.45	36.428	26.52		1516.9					
	DBS	0003D	17.37	36.437	26.49		1516.9					
	DBS	0005D	17.31	36.436	26.36		1517.0					
	DBS	0007S	17.11	36.446	26.60		1516.9					
	DBS	0010D	17.09	36.447	26.60		1517.0					
	DBS	0012S	17.05	36.438	26.62		1517.0					
	DBS	0015D	17.05	36.438	26.62		1517.0					
	DBS	0020D	17.03	36.435	26.64		1516.7					
	DBS	0025D	17.02	36.440	26.63		1516.9					
	DBS	0030D	16.85	36.384	26.65		1516.7					
	DBS	0040D	16.13	36.265	26.71		1513.0					
	DBS	0050D	15.49	36.079	26.76		1513.3					
	DBS	0054S	15.21	36.108	26.70		1513.0					
	DBS	0060D	13.65	35.714	26.88		1513.9					
	DBS	0070D	11.59	35.415	27.01		1514.1					
	DBS	0080D	09.70	35.224	27.11		1513.8					
	DBS	0090D	07.89	34.976	27.15		1497.2					
	DBS	0100D	06.34	34.77	27.25		1493.1					
	DBS	0105D	06.23	34.114	27.25		1493.1					
	DBS	0107S	05.55	34.050	27.62		1493.7					
	DBS	0110D	05.50	34.34	27.67		1494.1					
	DBS	0120D	05.21	35.056	27.72		1494.1					
	DBS	0130D	05.05	35.093	27.77		1494.3					
	DBS	0140D	04.46	35.769	27.77		1494.2					
	DBS	0150D	04.34	35.11	27.77		1494.1					

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REFID 31 8097 YEAR 1969 BOTOP 01756 AIR TEMP 18.6 DIR FKT PRR WIND-DIR 15 INST ST REC'D REF TENDG 1206  
 CONSEC 0006 MONTH 04 SHIP E1 WET BULB 16.2 DIR SPD 11 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 19 DATA USE 1 BAROMETER 1032.5 SEA WIND-REF 11 DURATION 01.6 2 SQUARE 48  
 LONG 048 05 W HOUR 17.4 AREA 05 CLOUD T/A CLZTF WEATHER XL CNIG 1206006 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SPC	SIGMA-T	DYNDEPTH	SPC VEL	CLAS	PH	TOT P	CLAS	PH
17.4	DBS	0000D	18.00	36.448	26.47		1517.1					
	DBS	0001D	17.67	36.434	26.48		1517.1					
	DBS	0002D	17.50	36.425	26.51		1517.1					
	DBS	0003D	17.41	36.425	26.51		1517.1					
	DBS	0005D	17.35	36.422	26.48		1517.1					
	DBS	0007S	17.10	36.409	26.51		1517.1					
	DBS	0010D	17.03	36.426	26.50		1517.1					
	DBS	0012S	17.02	36.426	26.51		1517.1					
	DBS	0015D	16.94	36.414	26.51		1517.1					
	DBS	0020D	16.81	36.391	26.54		1517.0					
	DBS	0025D	16.50	36.374	26.54		1517.0					
	DBS	0030D	16.21	36.244	26.57		1516.9					
	DBS	0040D	15.41	36.057	26.71		1513.0					
	DBS	0045D	14.83	35.896	26.74		1513.0					
	DBS	0047D	14.11	35.700	26.81.6		1513.0					
	DBS	0050D	14.21	35.326	26.81		1513.0					
	DBS	0053D	13.22	35.661	26.85		1513.0					
	DBS	0070D	11.49	35.297	27.05		1513.0					
	DBS	0080D	10.32	35.077	27.15		1513.0					
	DBS	0090D	09.37	34.785	27.25		1513.0					
	DBS	0100D	06.14	34.490	27.34		1493.1					
	DBS	0110D	06.14	35.057	27.42		1493.1					
	DBS	0100D	05.88	35.230	27.61		1493.1					
	DBS	0110D	05.10	35.095	27.69		1493.1					
	DBS	0118D	05.40	34.931	27.64		1493.1					
	DBS	0120D	05.36	35.004	27.65		1493.1					
	DBS	0130D	04.76	34.949	27.71		1493.1					
	DBS	0140D	04.62	35.121	27.74		1493.1					
	DBS	0150D	04.44	35.104	27.74		1493.1					

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 01737 AIK TEMP 18.2 DIP HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 04 SHIP EL NET BULB 15.7 19 3 5 WIND-SFD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 19 DATA USE 1 CHARACTR 1 1.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 06.5W HOUR 23.9 AREA 05 CLOUD TYP CLTRP WEATHER XL CRIG 226 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SHR VEL	OXYG	P04	TCT P	NO2	NO3	SIG3	PH
23.9	UBS	00000	17.81	36.454	26.45		1517.7							
	UBS	00010	17.81	36.449	26.45		1517.8							
	UBS	00020	17.74	36.435	26.45		1517.8							
	UBS	00030	17.50	36.427	26.51		1517.2							
	UBS	00050	17.40	36.428	26.53		1517.5							
	UBS	00075	17.20	36.420	26.57		1517.1							
	UBS	00100	16.94	36.407	26.63		1516.7							
	UBS	00125	16.87	36.403	26.63		1517.0							
	UBS	00150	16.70	36.365	26.64		1516.7							
	UBS	00200	16.63	36.357	26.66		1517.4							
	UBS	00250	16.40	36.310	26.68		1517.4							
	UBS	00300	15.99	36.224	26.71		1516.9							
	UBS	00400	15.11	36.020	26.75		1515.0							
	UBS	00500	14.37	35.907	26.82		1514.7							
	UBS	00600	12.88	35.636	26.93		1511.1							
	UBS	00700	11.16	35.394	27.07		1506.5							
	UBS	00800	09.37	35.218	27.25		1501.5							
	UBS	00900	07.43	35.035	27.41		1495.8							
	UBS	00970	06.46	35.005	27.52		1492.9							
	UBS	01000	06.50	35.118	27.59		1493.9							
	UBS	01100	05.81	35.087	27.67		1492.6							
	UBS	01200	05.40	35.075	27.71		1492.6							
	UBS	01300	04.67	35.004	27.74		1491.2							
	UBS	01400	04.48	35.008	27.76		1492.1							
	UBS	01490	04.33	35.012	27.78		1493.0							

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REFID 31 8097 YEAR 1969 BOTOP 04572 AIK TEMP 18.8 DIP HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 04 SHIP EL NET BULB 15.4 17 3 5 WIND-SFD 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 22 N DAY 25 DATA USE 1 CHARACTR 1 20.5 SEA WIND-FOR DURATION 01.4 2 SQUARE 48  
 LONG 046 15 W HOUR 17.8 AREA 05 CLOUD TYP CLTRP WEATHER XL CRIG 226 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SHR VEL	OXYG	P04	TCT P	NO2	NO3	SIG3	PH
17.8	UBS	00000	17.54	36.432	26.40		1516.9							
	UBS	00010	17.53	36.434	26.50		1517.0							
	UBS	00020	17.50	36.433	26.51		1517.1							
	UBS	00030	17.48	36.426	26.51		1517.2							
	UBS	00050	17.29	36.402	26.56		1517.0							
	UBS	00075	17.11	36.447	26.62		1516.9							
	UBS	00100	17.11	36.447	26.62		1517.5							
	UBS	00125	17.11	36.445	26.62		1517.7							
	UBS	00150	17.11	36.445	26.62		1518.1							
	UBS	00200	17.10	36.447	26.62		1518.9							
	UBS	00250	17.08	36.442	26.62		1519.6							
	UBS	00300	17.05	36.443	26.63		1520.4							
	UBS	00400	16.70	36.343	26.63		1520.8							
	UBS	00500	15.66	36.118	26.70		1519.0							
	UBS	00518	15.53	36.166	26.77		1519.0							
	UBS	00600	15.09	36.080	26.80		1518.7							
	UBS	00700	13.19	35.671	26.89		1513.4							
	UBS	00800	10.48	35.293	27.12		1502.0							
	UBS	00900	08.09	35.083	27.35		1495.2							
	UBS	01000	06.49	35.045	27.34		1493.0							
	UBS	01050	05.71	34.988	27.60		1491.2							
	UBS	01060	05.93	35.079	27.64		1492.7							
	UBS	01100	05.81	35.359	27.63		1492.5							
	UBS	01200	04.93	34.983	27.64		1490.6							
	UBS	01300	04.75	34.976	27.72		1491.5							
	UBS	01400	04.50	34.994	27.75		1492.2							
	UBS	01490	04.29	34.985	27.77		1492.8							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDTP 02834 AIR TEMP 16.7 DIR HGT REP WIND-DIR 1 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 04 SHIP E1 NET BULB 17.4 DIR 4 5 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 25 DATA USE 1 DARKEN 1016.0 SEA WIND-FUK 00.0 2 SQUARE 46  
 LONG 047 53 W HOUR 23.8 AREA 05 CLOUD 74 CL/TH WEATHER 71 CRIG E26 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
23.0	Obs	00000	18.13	36.481	26.40		1516.0							
	Obs	00010	18.09	36.476	26.35		1516.7							
	Obs	00020	17.95	36.454	26.31		1517.4							
	Obs	00030	17.64	36.432	26.24		1517.0							
	Obs	00040	17.38	36.429	26.24		1517.2							
	Obs	00050	17.27	36.430	26.26		1517.4							
	Obs	00100	17.20	36.429	26.26		1517.0							
	Obs	00125	17.14	36.427	26.25		1517.7							
	Obs	00150	17.10	36.433	26.21		1518.3							
	Obs	00200	17.04	36.433	26.22		1518.7							
	Obs	00250	16.90	36.413	26.24		1518.5							
	Obs	00300	16.88	36.404	26.24		1518.6							
	Obs	00400	16.52	36.340	26.27		1520.3							
	Obs	00500	15.87	36.204	26.24		1519.3							
	Obs	00600	14.04	35.401	26.21		1517.1							
	Obs	00700	12.31	35.324	26.18		1516.7							
	Obs	00800	10.01	35.262	27.17		1505.7							
	Obs	00820	09.66	35.306	27.16		1505.4							
	Obs	00900	08.66	35.140	27.16		1494.5							
	Obs	01000	06.73	35.033	27.10		1494.5							
	Obs	01100	05.51	34.973	27.62		1491.2							
	Obs	01200	05.13	34.984	27.67		1491.2							
	Obs	01300	04.70	34.965	27.72		1491.2							
	Obs	01400	04.53	35.003	27.75		1491.0							
	Obs	01500	04.43	35.007	27.77		1491.0							

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REFID 31 8097 YEAR 1969 BOTDTP 01426 AIR TEMP 17.7 DIR HGT REP WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 04 SHIP E1 NET BULB 17.0 DIR 5 5 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 26 DATA USE 1 DARKEN 1016.0 SEA WIND-FUK 00.0 2 SQUARE 48  
 LONG 048 05 W HOUR 05.6 AREA 05 CLOUD 74 CL/TH WEATHER 71 CRIG E26 010 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
05.6	Obs	00000	17.75	36.381	26.40		1517.0							
	Obs	00010	17.77	36.383	26.41		1517.6							
	Obs	00020	17.49	36.409	26.45		1517.0							
	Obs	00030	17.21	36.411	26.46		1516.4							
	Obs	00050	17.12	36.412	26.47		1516.4							
	Obs	00075	17.11	36.415	26.50		1516.4							
	Obs	00100	17.03	36.395	26.55		1517.0							
	Obs	00125	17.07	36.407	26.59		1517.0							
	Obs	00150	17.04	36.418	26.60		1517.0							
	Obs	00200	17.05	36.424	26.61		1516.8							
	Obs	00250	17.05	36.423	26.60		1516.0							
	Obs	00300	17.06	36.427	26.61		1520.4							
	Obs	00400	16.61	36.313	26.63		1520.5							
	Obs	00500	15.73	36.147	26.71		1517.5							
	Obs	00600	14.33	36.087	26.77		1516.7							
	Obs	00700	12.61	35.939	26.91		1511.7							
	Obs	00800	10.49	35.891	27.11		1505.7							
	Obs	00900	08.22	35.683	27.13		1494.7							
	Obs	01000	06.32	35.556	27.10		1494.5							
	Obs	01100	05.61	35.316	27.64		1491.7							
	Obs	01140	05.40	35.029	27.67		1491.5							

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REFID 31 8097 YEAR 1969 BOTDTP 02560 AIR TEMP 19.1 DIR HGT REP WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 04 SHIP E1 NET BULB 16.1 DIR 23 5 5 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 11 N DAY 26 DATA USE 1 DARKEN 1013.1 SEA WIND-FUK 00.0 2 SQUARE 48  
 LONG 048 04 W HOUR 11.6 AREA 05 CLOUD 74 CL/TH WEATHER 71 CRIG E26 011 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
11.6	Obs	00000	17.53	36.392	26.47		1516.8							
	Obs	00010	17.53	36.391	26.47		1517.0							
	Obs	00020	17.53	36.391	26.47		1517.1							
	Obs	00030	17.41	36.396	26.50		1516.9							
	Obs	00050	17.15	36.422	26.55		1516.5							
	Obs	00075	17.04	36.411	26.60		1516.6							
	Obs	00100	17.03	36.416	26.61		1517.0							
	Obs	00125	17.05	36.428	26.61		1517.5							
	Obs	00150	17.05	36.427	26.61		1517.9							
	Obs	00200	17.05	36.433	26.62		1518.7							
	Obs	00250	17.02	36.418	26.61		1519.4							
	Obs	00300	17.05	36.447	26.63		1520.4							
	Obs	00400	16.91	36.403	26.62		1521.5							
	Obs	00500	15.78	36.172	26.72		1519.5							
	Obs	00600	14.67	35.904	26.76		1517.3							
	Obs	00700	12.58	35.883	26.95		1511.7							
	Obs	00800	10.39	35.316	27.14		1505.3							
	Obs	00900	08.37	35.101	27.32		1499.3							
	Obs	01000	06.61	34.965	27.47		1494.0							
	Obs	01100	05.53	34.995	27.63		1491.3							
	Obs	01200	05.19	35.016	27.65		1491.7							
	Obs	01300	04.83	35.006	27.72		1491.8							
	Obs	01400	04.69	35.015	27.74		1493.0							
	Obs	01500	04.49	35.015	27.77		1493.8							

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TABLE VI.—Continued

REFID 31 8497 YEAR 1969 BOTDP 03566 AIP TEMP 17.3 DIR HGT PER WIND-DIR 23 INST STD RECORDEK TEN SQ 1206  
 CONSEC 0012 MONTH 04 SHIP #1 WFT BULB 17.7 15 3 3 WIND-SFD 13 TRACE DIR 0 J 5 SQUARE 4  
 LAT 35 02 N DAY 26 DATA USE 1 MAX CLTR 1:10.0 SEA WIND-F.F. DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HURF 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG EZE 012 1 SQUARE 58

CASSTN/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	LYNDRPH	SND VEL	CXYG	PU4	TOT P	NU2	NU3	SIU3	PH
17.5	UBS	0000	18.38	36.464	26.21		1515.3							
	UBS	0010	18.15	36.472	26.21		1515.0							
	UBS	0020	18.02	36.452	26.40		1514.6							
	UBS	0030	17.82	36.461	26.47		1514.2							
	UBS	0050	17.63	36.477	26.51		1514.0							
	UBS	0075	17.43	36.428	26.52		1517.8							
	UBS	00100	17.28	36.404	26.54		1517.7							
	UBS	00125	17.13	36.393	26.57		1517.7							
	UBS	00150	17.12	36.407	26.58		1518.1							
	UBS	00200	17.07	36.406	26.59		1517.7							
	UBS	00210	17.05	36.406	26.60		1517.8							
	UBS	00238	16.85	36.350	26.60		1517.6							
	UBS	00250	16.90	36.390	26.62		1517.5							
	UBS	00300	16.93	36.400	26.62		1517.6							
	UBS	00400	16.41	36.296	26.67		1517.5							
	UBS	00500	15.39	36.001	26.74		1517.5							
	UBS	00600	13.70	35.757	26.81		1517.0							
	UBS	00700	12.02	35.443	26.95		1509.4							
	UBS	00778	10.01	35.254	27.17		1503.3							
	UBS	00800	09.41	35.270	27.20		1503.6							
	UBS	00900	08.01	35.071	27.25		1497.7							
	UBS	01000	06.26	34.965	27.51		1495.6							
	UBS	01100	05.56	34.995	27.60		1491.5							
	UBS	01200	05.34	35.064	27.71		1492.0							
	UBS	01300	04.93	35.018	27.72		1492.0							
	UBS	01400	04.70	35.024	27.75		1492.0							
	UBS	01500	04.50	35.023	27.77		1492.0							

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REFID 31 8097 YEAR 1969 BOTDP 04252 AIP TEMP 17.8 DIR HGT PER WIND-DIR 25 INST STD RECORDEK TEN SQ 1206  
 CONSEC 0013 MONTH 04 SHIP #1 WFT BULB 17.2 15 3 3 WIND-SFD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 26 DATA USE 1 PAROMT 1017.5 SEA WIND-F.F. DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HURF 23.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG EZE 013 1 SQUARE 58

CASSTN/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	LYNDRPH	SND VEL	CXYG	PU4	TOT P	NU2	NU3	SIU3	PH
23.3	UBS	0000	18.12	36.445	26.27		1518.8							
	UBS	0010	17.97	36.446	26.40		1518.3							
	UBS	0020	17.84	36.451	26.40		1518.4							
	UBS	0030	17.81	36.447	26.48		1518.2							
	UBS	0050	17.63	36.472	26.51		1518.0							
	UBS	0075	17.49	36.451	26.53		1518.0							
	UBS	00100	17.30	36.420	26.55		1517.8							
	UBS	00125	17.18	36.402	26.56		1517.8							
	UBS	00150	17.14	36.415	26.58		1518.1							
	UBS	00200	17.09	36.404	26.59		1518.8							
	UBS	00250	17.03	36.404	26.60		1519.4							
	UBS	00300	17.00	36.419	26.62		1520.2							
	UBS	00400	16.52	36.333	26.67		1520.3							
	UBS	00500	15.86	36.140	26.72		1519.6							
	UBS	00600	14.47	35.872	26.82		1518.0							
	UBS	00700	12.15	35.517	26.97		1510.3							
	UBS	00800	10.01	35.272	27.18		1503.3							
	UBS	00900	08.10	35.061	27.25		1498.2							
	UBS	01000	06.59	34.892	27.29		1492.7							
	UBS	01100	05.40	34.756	27.61		1490.8							
	UBS	01200	05.08	35.032	27.71		1491.2							
	UBS	01300	04.45	35.033	27.74		1492.0							
	UBS	01400	04.69	35.030	27.76		1493.0							
	UBS	01505	04.43	35.024	27.77		1493.9							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BCTDP C3966	AIR TEMP 17.7	DIR HGT PEP	WIND-DIR 27	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 04	SHIP E1	WET BULB 16.5	23 3 3	WIND-SPO 07	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 27	DATA USE 1	BAROMETR 1017.6	SEA	WIND-FGK	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOUR 05.6	AREA US	CLLUD T/A	CL/TR	WEATHER XZ	ORIG E26 014	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
05.6	OBS	0000	18.07	36.455	26.59		1518.4							
	OBS	0010	18.06	36.453	26.59		1518.6							
	OBS	0020	18.02	36.458	26.40		1518.6							
	OBS	0030	17.96	36.453	26.41		1518.6							
	OBS	0050	17.28	36.433	26.56		1518.9							
	OBS	0075	17.14	36.433	26.60		1518.9							
	OBS	00100	17.10	36.433	26.61		1517.2							
	OBS	00125	17.02	36.429	26.62		1517.4							
	OBS	00150	17.01	36.431	26.63		1517.8							
	OBS	00200	16.95	36.418	26.63		1513.4							
	OBS	00250	16.85	36.404	26.64		1518.9							
	OBS	00300	16.68	36.356	26.65		1519.2							
	OBS	00355	16.31	36.296	26.65		1518.5							
	OBS	00340	16.41	36.310	26.68		1518.9							
	OBS	00400	16.20	36.260	26.65		1519.2							
	OBS	00500	15.39	36.054	26.71		1518.1							
	OBS	00600	13.93	35.765	26.61		1514.7							
	OBS	00700	12.14	35.474	26.95		1510.0							
	OBS	00800	10.24	35.307	27.17		1504.8							
	OBS	00900	08.09	35.054	27.32		1498.2							
	OBS	01000	06.38	34.947	27.46		1493.0							
	OBS	01100	05.47	35.004	27.64		1491.1							
	OBS	01200	05.22	35.049	27.71		1491.8							
	OBS	01265	04.84	35.006	27.72		1491.3							
	OBS	01300	04.98	35.057	27.74		1492.5							
	OBS	01400	04.80	35.045	27.76		1493.5							
	OBS	01500	04.49	35.033	27.78		1493.8							

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REFID 31 8097	YEAR 1969	BCTDP 04572	AIR TEMP 18.8	DIR HGT PEP	WIND-DIR 27	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 04	SHIP F1	WET BULB 15.5	23 3 4	WIND-SPO 14	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 27	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FGK	DURATION 00.3	2 SQUARE 48
LONG 048 00 W	HOUR 11.6	AREA US	CLLUD T/A	CL/TR	WEATHER XZ	ORIG E26 015	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
11.6	OBS	0000	18.15	36.474	26.58		1516.7							
	OBS	0010	18.14	36.472	26.58		1516.8							
	OBS	0020	18.13	36.472	26.58		1519.0							
	OBS	0030	18.11	36.473	26.59		1519.1							
	OBS	0050	18.09	36.467	26.59		1519.3							
	OBS	0075	17.36	36.412	26.53		1517.5							
	OBS	00100	17.20	36.412	26.57		1517.5							
	OBS	00125	17.10	36.424	26.60		1517.6							
	OBS	00150	17.02	36.422	26.62		1517.8							
	OBS	00200	16.93	36.420	26.64		1518.3							
	OBS	00250	16.93	36.420	26.64		1519.2							
	OBS	00300	16.82	36.400	26.65		1519.6							
	OBS	00400	16.29	36.254	26.67		1519.5							
	OBS	00500	15.65	36.143	26.72		1519.0							
	OBS	00600	14.01	35.784	26.81		1515.0							
	OBS	00700	12.15	35.546	27.00		1510.2							
	OBS	00800	10.00	35.252	27.17		1503.9							
	OBS	00900	08.01	35.096	27.37		1497.9							
	OBS	00950	07.33	34.992	27.35		1496.0							
	OBS	01000	06.21	34.886	27.54		1492.4							
	OBS	01100	05.41	35.003	27.65		1490.9							
	OBS	01200	05.15	35.022	27.70		1491.4							
	OBS	01300	05.01	35.056	27.74		1492.7							
	OBS	01400	04.86	35.032	27.76		1492.9							
	OBS	01495	04.56	35.034	27.77		1494.0							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 04773 AIR TEMP 19.0 DIF HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 04 SHIP E1 WET BULB 16.7 2c 2 2 WIND-SPO 12 TRACE DIR D 5 SQUARE 2  
 LAT 34 55 N DAY 27 DATA USE 1 BAROMETR 101.0 SEA CL/TR WIND-FGR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 17.5 AREA 05 CLOUD T/A WEATHER XI ORIG E26 016 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.5	065	00000	18.84	36.524	26.45		1520.1							
	065	00010	18.84	36.525	26.52		1520.0							
	065	00020	18.82	36.525	26.53		1520.1							
	065	00030	18.36	36.501	26.25		1519.8							
	065	00050	18.01	36.517	26.45		1519.2							
	065	00075	17.80	36.492	26.46		1518.9							
	065	00100	17.44	36.427	26.52		1518.2							
	065	00125	17.20	36.428	26.58		1517.9							
	065	00150	17.06	36.411	26.60		1517.9							
	065	00200	17.00	36.413	26.62		1516.5							
	065	00250	16.96	36.416	26.62		1519.2							
	065	00300	16.71	36.357	26.64		1519.2							
	065	00400	16.04	36.224	26.70		1518.3							
	065	00500	14.83	35.991	26.75		1516.3							
	065	00600	13.10	35.682	26.92		1511.9							
	065	00700	11.23	35.414	27.07		1506.8							
	065	00800	08.94	35.118	27.24		1499.8							
	065	00900	07.89	35.168	27.44		1497.5							
	065	01000	06.03	35.023	27.54		1491.7							
	065	01040	05.81	34.997	27.60		1491.5							
	065	01048	06.22	35.056	27.55		1493.3							
	065	01090	05.39	34.994	27.65		1490.6							
	065	01100	05.65	35.070	27.67		1491.5							
	065	01120	05.55	35.055	27.67		1491.8							
	065	01135	05.11	34.959	27.66		1490.2							
	065	01200	05.00	35.027	27.72		1490.9							
	065	01300	04.91	35.047	27.74		1492.2							
	065	01400	04.61	35.030	27.77		1492.7							
	065	01500	04.41	35.022	27.78		1493.5							

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REFID 31 8097 YEAR 1969 BOTDP 02990 AIR TEMP 18.9 OIR HGT PER WIND-DIR 28 INST STO RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 04 SHIP E1 WET BULB 16.5 28 2 2 WIND-SPO 13 TRACE DIR D 5 SQUARE 4  
 LAT 35 01 N DAY 27 DATA USE 1 BAROMETR 1023.9 SEA CL/TR WIND-FGR DURATION 00.6 2 SQUARE 48  
 LONG 048 06 W HOUR 23.6 AREA 05 CLOUD T/A WEATHER XI ORIG E26 017 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
23.6	085	00000	18.16	36.451	26.36		1518.7							
	085	00010	17.98	36.450	26.40		1518.3							
	085	00020	17.94	36.453	26.42		1518.4							
	085	00030	17.71	36.437	26.46		1517.9							
	085	00050	17.28	36.430	26.56		1519.9							
	085	00075	17.15	36.437	26.60		1517.0							
	085	00100	17.07	36.428	26.61		1517.1							
	085	00125	17.03	36.432	26.62		1517.4							
	085	00150	17.02	36.432	26.63		1517.8							
	085	00200	16.99	36.424	26.63		1518.5							
	085	00250	16.95	36.426	26.64		1519.2							
	085	00300	16.85	36.404	26.64		1519.7							
	085	00380	16.28	36.286	26.65		1515.2							
	085	00400	16.31	36.302	26.69		1519.6							
	085	00500	15.80	36.183	26.72		1519.5							
	085	00600	13.77	35.729	26.82		1514.2							
	085	00700	11.72	35.465	27.02		1508.6							
	085	00770	10.01	35.216	27.14		1503.4							
	085	00800	09.65	35.227	27.21		1502.6							
	085	00900	07.67	35.068	27.40		1496.6							
	085	01000	06.13	34.977	27.54		1492.1							
	085	01100	05.44	35.001	27.64		1491.0							
	085	01200	05.23	35.076	27.73		1491.9							
	085	01300	05.01	35.028	27.72		1492.0							
	085	01400	04.74	35.033	27.75		1493.2							
	085	01500	04.46	35.022	27.78		1493.7							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 03475 AIR TEMP 16.4 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0018 MONTH 04 SHIP E1 WET BULB 15.7 DIR 29 3 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 28 DATA USE 1 BAROMETR 1026.0 SEA WIND-FGF DURATION 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 G18 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
11.5	08S	00000	18.13	36.465	26.36		1518.6							
	08S	00010	18.12	36.458	26.38		1518.7							
	08S	00020	18.11	36.454	26.38		1518.9							
	08S	00030	17.99	36.454	26.40		1518.7							
	08S	00050	17.30	36.433	26.56		1517.0							
	08S	00075	17.15	36.419	26.58		1516.9							
	08S	00100	17.03	36.408	26.60		1517.0							
	08S	00125	16.95	36.393	26.61		1517.1							
	08S	00150	17.02	36.436	26.63		1517.8							
	08S	00200	17.02	36.433	26.63		1516.6							
	08S	00250	17.01	36.432	26.63		1519.4							
	08S	00300	16.95	36.403	26.62		1520.0							
	08S	00400	16.62	36.366	26.67		1520.6							
	08S	00500	15.69	36.126	26.70		1519.1							
	08S	00600	13.95	35.796	26.83		1514.6							
	08S	00700	12.02	35.474	26.97		1509.6							
	08S	00800	10.20	35.217	27.11		1504.5							
	08S	00900	08.30	35.099	27.33		1499.0							
	08S	01000	06.36	34.983	27.51		1493.0							
	08S	01100	05.48	34.994	27.63		1491.1							
	08S	01200	05.26	35.037	27.65		1492.0							
	08S	01300	04.95	35.060	27.75		1492.3							
	08S	01400	04.77	35.041	27.76		1493.3							
	08S	01493	04.47	35.013	27.77		1493.6							

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REFID 31 8097 YEAR 1969 BOTDP 04755 AIR TEMP 17.3 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 04 SHIP E1 WET BULB 14.6 DIR 29 3 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 28 DATA USE 1 BAROMETR 1026.5 SEA WIND-FGF DURATION 00.3 2 SQUARE 48  
 LONG 048 10 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 019 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
18.3	08S	00000	18.01	36.447	26.35		1518.3							
	08S	00010	18.01	36.448	26.40		1518.4							
	08S	00020	17.92	36.450	26.42		1518.3							
	08S	00030	17.82	36.445	26.44		1518.2							
	08S	00050	17.49	36.449	26.52		1517.6							
	08S	00075	17.14	36.439	26.60		1516.9							
	08S	00100	17.11	36.440	26.61		1517.3							
	08S	00125	17.14	36.466	26.62		1517.8							
	08S	00150	17.15	36.464	26.62		1518.2							
	08S	00200	17.15	36.458	26.61		1519.9							
	08S	00250	17.15	36.459	26.61		1519.9							
	08S	00300	17.11	36.445	26.61		1520.5							
	08S	00400	16.91	36.399	26.63		1521.5							
	08S	00500	15.74	36.144	26.70		1515.3							
	08S	00600	13.97	35.742	26.78		1514.8							
	08S	00700	12.48	35.522	26.92		1511.3							
	08S	00800	10.35	35.186	27.06		1505.0							
	08S	00900	08.30	35.126	27.35		1499.0							
	08S	01000	06.54	34.982	27.49		1493.7							
	08S	01100	05.69	35.053	27.65		1492.1							
	08S	01170	05.44	35.064	27.65		1492.2							
	08S	01178	05.27	35.074	27.68		1491.6							
	08S	01200	05.39	35.060	27.70		1492.0							
	08S	01300	04.93	35.037	27.73		1492.3							
	08S	01400	04.69	35.029	27.74		1493.0							
	08S	01492	04.41	35.010	27.77		1493.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 02195 AIP TEMP 16.4 DIR HGT PER WIND-DIR 06 INST STD RECORDR TEN SQ 1206  
 CONSEC 0020 MONTH 04 SHIP E1 WET BULB 13.7 29 3 3 WIND-SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 28 DATA USE 1 SAKOMETR 1028.0 SEA WIND-FCP DURATION 00.4 2 SQUARE 48  
 LONG 048 16 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER XJ GRIG E26 020 1 SQUARE 50

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	17.93	36.426	26.40		1516.0							
	OBS	00010	17.91	36.426	26.40		1516.1							
	OBS	00020	17.84	36.412	26.41		1516.0							
	OBS	00030	17.63	36.422	26.47		1517.0							
	OBS	00050	17.48	36.440	26.52		1517.5							
	OBS	00075	17.19	36.455	26.60		1517.1							
	OBS	00100	17.15	36.459	26.61		1517.4							
	OBS	00125	17.14	36.458	26.62		1517.8							
	OBS	00150	17.14	36.458	26.62		1516.2							
	OBS	00200	17.13	36.456	26.62		1519.0							
	OBS	00250	17.11	36.445	26.61		1519.7							
	OBS	00300	17.08	36.440	26.62		1520.4							
	OBS	00400	16.70	36.335	26.63		1520.8							
	OBS	00433	16.47	36.300	26.65		1520.0							
	OBS	00440	16.51	36.328	26.67		1520.9							
	OBS	00500	15.50	36.072	26.70		1516.5							
	OBS	00600	14.28	35.812	26.77		1515.9							
	OBS	00700	12.93	35.621	26.91		1512.9							
	OBS	00800	11.04	35.295	27.02		1507.0							
	OBS	00900	08.78	35.167	27.30		1500.9							
	OBS	00980	07.55	35.052	27.40		1497.4							
	OBS	01000	07.13	34.992	27.41		1496.0							
	OBS	01030	06.21	34.962	27.52		1492.9							
	OBS	01100	05.69	35.045	27.65		1492.1							
	OBS	01110	05.83	35.068	27.65		1492.3							
	OBS	01200	05.15	35.025	27.70		1491.5							
	OBS	01300	04.87	35.017	27.73		1492.0							
	OBS	01400	04.69	35.020	27.75		1493.0							
	OBS	01500	04.50	35.030	27.76		1493.9							

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REFID 31 8097 YEAR 1969 BOTOP 04589 AIP TEMP 17.8 DIR HGT PER WIND-DIR 12 INST STD RECORDR TEN SQ 1206  
 CONSEC 0021 MONTH 04 SHIP E1 WET BULB 15.6 29 3 3 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 29 DATA USE 1 SAKOMETR 1026.3 SEA WIND-FCP DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER XI GRIG E26 021 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIO3	PH
05.8	OBS	00000	18.35	36.514	26.36		1519.3							
	OBS	00010	18.35	36.514	26.36		1519.5							
	OBS	00020	18.21	36.488	26.38		1519.2							
	OBS	00030	18.03	36.478	26.41		1516.8							
	OBS	00050	17.44	36.440	26.53		1517.4							
	OBS	00075	17.14	36.427	26.59		1516.9							
	OBS	00100	17.07	36.438	26.62		1517.1							
	OBS	00125	17.03	36.437	26.63		1517.4							
	OBS	00150	17.02	36.436	26.63		1517.6							
	OBS	00200	16.91	36.392	26.62		1516.2							
	OBS	00250	16.80	36.374	26.63		1516.7							
	OBS	00300	16.68	36.327	26.63		1519.1							
	OBS	00320	16.51	36.294	26.64		1516.9							
	OBS	00325	16.61	36.362	26.67		1519.4							
	OBS	00400	16.01	36.244	26.72		1518.6							
	OBS	00500	14.98	35.998	26.76		1516.0							
	OBS	00600	13.65	35.770	26.87		1513.2							
	OBS	00700	12.02	35.507	27.00		1509.7							
	OBS	00800	09.98	35.287	27.20		1503.8							
	OBS	00850	08.69	35.127	27.29		1499.7							
	OBS	00900	08.14	35.133	27.38		1498.4							
	OBS	00990	07.09	35.085	27.45		1495.8							
	OBS	01000	06.73	35.020	27.45		1494.5							
	OBS	01100	05.47	34.992	27.63		1491.1							
	OBS	01150	05.12	34.991	27.68		1490.5							
	OBS	01200	05.29	35.071	27.72		1492.1							
	OBS	01300	05.02	35.056	27.74		1492.7							
	OBS	01400	04.76	35.040	27.76		1493.3							
	OBS	01500	04.50	35.027	27.77		1493.9							

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TABLE VI.—Continued

REFID 31 8057	YEAR 1969	BCTOP 02377	AIR TEMP 17.9	OIR MGT PER	WIND-OIR 06	INST STD RECORDER	TEN SQ 1206
CONSEC 0022	MONTH 04	SHIP E1	WET BULB 15.5	28 3 4	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 29	DATA USE 1	BAROMETR 1027.7	SEA	WIND-FGR	DURATION 00.3	2 SQUARE 48
LONG 048 06 W	HOUP 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 022	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TCT P	NU2	NU3	SI03	PH
11.6	OBS	00000	18.20	36.464	26.36		1518.8							
	OBS	00010	18.19	36.464	26.36		1519.0							
	OBS	00020	18.09	36.435	26.37		1518.8							
	OBS	00030	17.81	36.427	26.43		1518.1							
	OBS	00050	17.19	36.425	26.56		1516.7							
	OBS	00075	17.02	36.415	26.61		1516.5							
	OBS	00100	17.06	36.441	26.62		1517.1							
	OBS	00125	17.02	36.434	26.63		1517.4							
	OBS	00150	17.02	36.430	26.62		1517.8							
	OBS	00200	17.01	36.429	26.63		1518.6							
	OBS	00250	16.94	36.412	26.63		1519.2							
	OBS	00300	16.72	36.363	26.64		1519.3							
	OBS	00400	16.40	36.299	26.67		1519.9							
	OBS	00500	15.90	36.211	26.72		1519.9							
	OBS	00600	14.39	35.875	26.60		1516.4							
	OBS	00700	12.62	35.619	26.97		1511.9							
	OBS	00800	10.21	35.285	27.16		1504.7							
	OBS	00900	08.25	35.121	27.35		1498.9							
	OBS	01000	06.31	34.984	27.52		1492.8							
	OBS	01100	05.41	35.000	27.65		1490.9							
	OBS	01200	05.11	35.029	27.71		1491.4							
	OBS	01234	05.13	35.095	27.76		1492.1							
	OBS	01300	05.05	35.056	27.73		1492.3							
	OBS	01400	04.81	35.050	27.76		1493.3							
	OBS	01496	04.58	35.031	27.77		1494.1							

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REFID 31 8097	YEAR 1969	BCTOP 04114	AIR TEMP 20.0	OIR MGT PER	WIND-OIR 09	INST STD RECORDER	TEN SQ 1206
CONSEC 0023	MONTH 04	SHIP E1	WET BULB 17.0	30 2 3	WIND-SPD 04	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 29	DATA USE 1	BAROMETR 1026.4	SEA	WIND-FGR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUP 10.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 023	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TCT P	NU2	NU3	SI03	PH
18.8	OBS	00000	18.91	36.491	26.20		1520.9							
	OBS	00010	18.26	36.465	26.35		1519.2							
	OBS	00020	18.20	36.437	26.34		1519.1							
	OBS	00030	17.82	36.391	26.40		1518.1							
	OBS	00050	17.21	36.419	26.57		1516.7							
	OBS	00075	17.11	36.436	26.61		1516.8							
	OBS	00100	17.06	36.437	26.62		1517.1							
	OBS	00125	17.02	36.438	26.63		1517.4							
	OBS	00150	17.02	36.442	26.63		1517.8							
	OBS	00200	17.01	36.442	26.64		1518.6							
	OBS	00250	16.96	36.421	26.63		1519.2							
	OBS	00300	16.87	36.411	26.65		1519.8							
	OBS	00400	16.35	36.289	26.67		1519.7							
	OBS	00500	15.60	36.139	26.73		1518.9							
	OBS	00600	13.78	35.765	26.85		1514.3							
	OBS	00700	12.32	35.521	26.95		1510.7							
	OBS	00800	09.91	35.194	27.14		1503.5							
	OBS	00820	09.51	35.226	27.23		1502.4							
	OBS	00845	08.71	35.119	27.28		1500.0							
	OBS	00900	08.20	35.161	27.39		1498.7							
	OBS	01000	06.40	34.968	27.51		1493.2							
	OBS	01100	05.44	34.976	27.62		1491.0							
	OBS	01200	05.05	34.993	27.69		1491.1							
	OBS	01300	04.81	34.997	27.72		1491.8							
	OBS	01400	04.61	34.998	27.74		1492.6							
	OBS	01500	04.50	35.020	27.77		1493.9							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1965 BOTOP 04298 AIR TEMP 19.3 DIR HGT FER WIND-DIR 11 INST STD RECORDER TEN SW 1206  
 CONSEC 0024 MONTH 04 SHIP E1 WET BULB 15.9 JG 2 2 WIND-SPO 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 29 DATA USE 1 BAROMETR 1027.1 SEA WIND-FJR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 23.6 AREA 05 CLLOUD T/A CL/TR WEATHER XI ORIG E26 024 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	STD VEL	OXYG	PU4	TGT P	NO2	NO3	SIU3	PH
23.6	08S	00000	18.57	36.460	26.26		1519.9							
	08S	00010	18.17	36.439	26.34		1518.9							
	08S	00020	18.02	36.425	26.36		1518.6							
	08S	00030	17.74	36.336	26.38		1517.8							
	08S	00050	17.19	36.427	26.56		1516.7							
	08S	00075	17.09	36.442	26.62		1516.8							
	08S	00100	17.07	36.447	26.62		1517.1							
	08S	00125	17.06	36.448	26.63		1517.5							
	08S	00150	17.04	36.446	26.63		1517.9							
	08S	00200	17.03	36.444	26.63		1516.7							
	08S	00250	17.00	36.424	26.62		1519.4							
	08S	00300	16.89	36.402	26.62		1519.8							
	08S	00400	16.35	36.276	26.67		1519.6							
	08S	00500	15.68	36.147	26.72		1519.1							
	08S	00600	14.61	35.909	26.78		1517.1							
	08S	00700	13.00	35.654	26.92		1513.2							
	08S	00800	10.72	35.349	27.11		1506.6							
	08S	00900	08.53	35.102	27.25		1499.9							
	08S	01000	06.29	34.996	27.54		1492.7							
	08S	01050	05.93	35.054	27.63		1492.2							
	08S	01100	05.35	34.976	27.63		1490.8							
	08S	01200	04.94	34.985	27.65		1490.6							
	08S	01300	04.69	34.995	27.73		1491.3							
	08S	01310	04.68	35.027	27.75		1491.4							
	08S	01400	04.60	35.017	27.76		1492.6							
	08S	01500	04.49	35.021	27.77		1493.8							

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REFID 31 8097 YEAR 1969 BOTOP 04298 AIR TEMP 17.7 DIR HGT FER WIND-DIR 12 INST STD RECORDER TEN SW 1206  
 CONSEC 0025 MONTH 04 SHIP E1 WET BULB 15.6 JG 2 2 WIND-SPO 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 30 DATA USE 1 BAROMETR 1023.5 SEA WIND-FJR DURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HOUR 05.7 AREA 05 CLLOUD T/A CL/TR WEATHER XI ORIG E26 025 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	STD VEL	OXYG	PU4	TGT P	NO2	NO3	SIU3	PH
05.7	08S	00000	18.42	36.454	26.50		1519.4							
	08S	00010	18.06	36.416	26.36		1518.5							
	08S	00020	18.02	36.436	26.35		1518.6							
	08S	00030	18.01	36.437	26.39		1516.7							
	08S	00050	17.15	36.408	26.58		1516.5							
	08S	00075	17.01	36.423	26.62		1516.5							
	08S	00100	17.01	36.440	26.63		1517.0							
	08S	00125	17.01	36.439	26.63		1517.4							
	08S	00150	17.01	36.448	26.64		1517.8							
	08S	00200	17.02	36.451	26.64		1518.6							
	08S	00250	16.99	36.432	26.63		1519.3							
	08S	00300	16.83	36.394	26.64		1519.6							
	08S	00400	16.24	36.250	26.67		1519.3							
	08S	00500	15.42	36.100	26.74		1518.3							
	08S	00600	13.95	35.798	26.83		1514.9							
	08S	00700	12.03	35.519	27.00		1509.7							
	08S	00800	10.47	35.296	27.12		1505.6							
	08S	00900	08.35	35.085	27.31		1499.2							
	08S	00930	07.68	35.014	27.35		1497.0							
	08S	00950	07.43	35.078	27.44		1496.5							
	08S	01000	06.66	35.047	27.52		1494.3							
	08S	01015	06.25	34.975	27.52		1492.8							
	08S	01055	05.56	35.057	27.62		1492.5							
	08S	01100	05.59	35.004	27.63		1491.6							
	08S	01200	05.02	34.992	27.69		1490.9							
	08S	01300	04.79	35.006	27.72		1491.7							
	08S	01400	04.67	35.017	27.75		1492.9							
	08S	01500	04.44	35.019	27.78		1493.6							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BCTOP 04206 AIR TEMP 18.6 OIR HGT PER WIND-OIR 11 INST STO RECORDER TEN SQ 1200  
 CONSEC 0026 MONTH 04 SHIP E1 WET BULB 15.6 11 1 2 WIND-SPO 10 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 30 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E26 026 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.5	OBS	0000	18.38	36.482	26.33		1519.4							
	OBS	0010	18.20	36.467	26.36		1519.0							
	OBS	0020	18.06	36.463	26.39		1518.7							
	OBS	0030	17.75	36.444	26.46		1518.0							
	OBS	0050	17.36	36.442	26.55		1517.2							
	OBS	0075	17.16	36.443	26.60		1517.0							
	OBS	00100	17.11	36.450	26.62		1517.3							
	OBS	00125	17.07	36.443	26.62		1517.5							
	OBS	00150	17.06	36.450	26.63		1517.9							
	OBS	00200	17.03	36.446	26.63		1518.7							
	OBS	00250	17.01	36.434	26.63		1519.4							
	OBS	00300	16.94	36.420	26.64		1520.0							
	OBS	00400	16.64	36.338	26.64		1520.7							
	OBS	00500	15.71	36.155	26.72		1519.2							
	OBS	00566	14.78	35.992	26.80		1517.2							
	OBS	00600	14.71	35.977	26.81		1517.5							
	OBS	00700	12.68	35.590	26.93		1512.0							
	OBS	00800	10.91	35.392	27.12		1507.3							
	OBS	00900	08.68	35.054	27.23		1500.4							
	OBS	01000	06.22	34.947	27.50		1492.4							
	OBS	01039	06.02	35.018	27.59		1492.3							
	OBS	01100	05.41	34.985	27.64		1490.8							
	OBS	01200	04.96	34.996	27.70		1490.7							
	OBS	01300	04.71	35.000	27.73		1491.3							
	OBS	01400	04.60	35.012	27.75		1492.6							
	OBS	01500	04.46	35.019	27.77		1493.7							

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REFID 31 8097 YEAR 1969 BCTOP 03104 AIR TEMP 18.7 OIR HGT PER WIND-OIR 13 INST STO RECORDER TEN SQ 1200  
 CONSEC 0027 MONTH 04 SHIP E1 WET BULB 15.7 13 1 2 WIND-SPO 11 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 30 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER Y1 CRIG E26 027 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.1	OBS	0000	19.01	36.542	26.21		1521.2							
	OBS	00010	18.39	36.496	26.34		1517.6							
	OBS	00020	18.23	36.493	26.37		1519.3							
	OBS	00030	17.83	36.464	26.45		1516.2							
	OBS	00050	17.40	36.438	26.54		1517.3							
	OBS	00075	17.14	36.405	26.58		1516.9							
	OBS	00100	17.03	36.415	26.61		1517.0							
	OBS	00125	17.08	36.449	26.62		1517.6							
	OBS	00150	17.06	36.444	26.62		1517.9							
	OBS	00200	17.07	36.451	26.63		1518.8							
	OBS	00250	17.04	36.444	26.63		1519.5							
	OBS	00300	16.94	36.418	26.63		1520.0							
	OBS	00400	16.57	36.332	26.66		1520.4							
	OBS	00500	15.88	36.195	26.71		1519.8							
	OBS	00559	14.64	35.916	26.77		1516.5							
	OBS	00600	14.39	35.877	26.80		1516.4							
	OBS	00700	12.61	35.534	26.90		1511.7							
	OBS	00800	10.28	35.302	27.16		1504.9							
	OBS	00900	08.01	35.062	27.34		1497.9							
	OBS	01000	06.32	35.005	27.54		1492.9							
	OBS	01100	05.40	35.001	27.65		1490.8							
	OBS	01200	05.34	35.076	27.72		1492.4							
	OBS	01300	05.11	35.063	27.73		1493.1							
	OBS	01400	04.81	35.051	27.76		1493.5							
	OBS	01495	04.58	35.043	27.78		1494.1							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 80TOP 04243 AIR TEMP 18.1 OIR HGT PER WIND-OIR 11 INST STO RECGROER TEN SQ 1206  
 CONSEC 0028 MONTH 05 SHIP E1 MET BULB 16.8 11 2 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 01 DATA USE 1 BAROMETR 1025.9 SEA WIND-FJR DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 00.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 028 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.6	085	00000	18.86	36.533	26.25		1520.8							
	085	00010	18.32	36.460	26.33		1519.5							
	085	00020	18.25	36.470	26.35		1519.3							
	085	00030	18.18	36.445	26.35		1519.2							
	085	00050	17.54	36.414	26.49		1517.7							
	085	00075	17.15	36.444	26.60		1517.0							
	085	00100	17.09	36.445	26.62		1517.2							
	085	00125	17.05	36.445	26.63		1517.5							
	085	00150	17.02	36.438	26.63		1517.8							
	085	00200	17.01	36.447	26.64		1518.6							
	085	00250	17.01	36.435	26.63		1519.4							
	085	00300	16.91	36.416	26.64		1519.9							
	085	00400	16.68	36.364	26.65		1520.8							
	085	00500	16.01	36.237	26.71		1520.3							
	085	00570	14.88	35.971	26.76		1517.6							
	085	00588	15.00	36.075	26.82		1518.4							
	085	00600	14.78	36.016	26.02		1517.8							
	085	00700	12.72	35.539	26.88		1512.1							
	085	00800	10.80	35.379	27.13		1506.9							
	085	00900	08.54	35.174	27.35		1500.0							
	085	01000	06.53	35.001	27.50		1493.7							
	085	01100	05.42	34.588	27.64		1450.9							
	085	01200	05.01	35.000	27.70		1450.9							
	085	01285	04.78	35.001	27.72		1491.4							
	085	01300	04.84	35.043	27.75		1451.9							
	085	01400	04.75	35.048	27.76		1493.3							
	085	01500	04.55	35.040	27.78		1454.0							

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REFID 31 8097 YEAR 1969 80TOP 04334 AIR TEMP 17.7 OIR HGT PER WIND-OIR 10 INST STO RECGROER TEN SQ 1206  
 CONSEC 0029 MONTH 05 SHIP E1 MET BULB 16.2 10 3 2 WIND-SPO 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1024.3 SEA WIND-FJR DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 029 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.0	085	00000	18.69	36.509	26.27		1520.3							
	085	00010	18.62	36.482	26.27		1520.2							
	085	00020	18.22	36.441	26.34		1519.2							
	085	00030	17.92	36.470	26.43		1516.5							
	085	00050	17.49	36.461	26.53		1517.6							
	085	00075	17.21	36.427	26.58		1517.1							
	085	00100	17.13	36.428	26.60		1517.3							
	085	00125	17.08	36.446	26.62		1517.6							
	085	00150	17.07	36.446	26.62		1516.0							
	085	00200	17.02	36.446	26.64		1518.6							
	085	00250	17.01	36.427	26.62		1519.4							
	085	00300	16.94	36.418	26.63		1520.0							
	085	00400	16.75	36.371	26.64		1521.0							
	085	00500	15.33	36.064	26.74		1517.9							
	085	00600	13.91	35.794	26.84		1514.7							
	085	00700	12.48	35.585	26.97		1511.3							
	085	00800	10.35	35.301	27.14		1505.2							
	085	00880	08.41	35.104	27.31		1459.1							
	085	00900	08.43	35.148	27.34		1459.6							
	085	00910	08.04	35.083	27.35		1458.2							
	085	00950	07.51	35.099	27.44		1456.8							
	085	01000	06.53	35.004	27.51		1493.7							
	085	01100	05.47	34.965	27.61		1451.1							
	085	01200	05.02	35.000	27.69		1450.9							
	085	01238	05.14	35.070	27.73		1492.4							
	085	01300	05.03	35.055	27.74		1492.7							
	085	01400	04.76	35.047	27.76		1493.3							
	085	01495	04.51	35.029	27.78		1453.8							

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TABLE VI.—Continued

REFID 31 6097	YEAR 1969	BCDTP 02149	AIR TEMP 18.4	OIR HGT PER	WIND-OIR 11	INST STO RECDR DEP	TEN SQ 1206
CONSEC 0030	MONTH 05	SHIP E1	WET BULB 16.5	11 2 2	WIND-SPD 15	TRACE OIR D	5 SQUARE 4
LAT 35 03 N	DAY 01	DATA USE 1	BARGMETR 1029.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUP 11.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 C30	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.4	OBS	00000	18.23	36.460	26.35		1518.9							
	OBS	00010	18.06	36.435	26.37		1518.5							
	OBS	00020	17.76	36.421	26.44		1517.8							
	OBS	00030	17.52	36.412	26.49		1517.3							
	OBS	00050	17.19	36.424	26.56		1516.7							
	OBS	00075	17.11	36.425	26.60		1516.8							
	OBS	00100	17.08	36.429	26.61		1517.2							
	OBS	00125	17.03	36.437	26.61		1517.3							
	OBS	00150	17.06	36.438	26.62		1518.0							
	OBS	00200	17.06	36.447	26.62		1518.6							
	OBS	00250	17.07	36.446	26.62		1519.6							
	OBS	00300	17.01	36.427	26.62		1520.2							
	OBS	00400	16.66	36.378	26.67		1520.8							
	OBS	00500	15.87	36.175	26.76		1519.8							
	OBS	00600	14.79	36.005	26.81		1517.8							
	OBS	00700	13.11	35.648	26.85		1513.5							
	OBS	00788	10.99	35.253	26.95		1507.2							
	OBS	00800	10.73	35.324	27.12		1506.6							
	OBS	00877	08.88	35.042	27.19		1500.7							
	OBS	00900	08.61	35.113	27.25		1500.2							
	OBS	01000	06.79	34.965	27.44		1494.7							
	OBS	01060	05.93	34.938	27.53		1492.2							
	OBS	01100	05.62	35.016	27.63		1491.7							
	OBS	01200	05.25	35.040	27.70		1491.9							
	OBS	01300	04.91	35.032	27.73		1492.2							
	OBS	01400	04.69	35.023	27.75		1493.0							
	OBS	01497	04.53	35.032	27.78		1494.0							

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REFID 31 6097	YEAR 1969	BCDTP 01737	AIR TEMP 20.0	OIR HGT PER	WIND-OIR 15	INST STO RECDR DEP	TEN SQ 1206
CONSEC 0031	MONTH 05	SHIP E1	WET BULB 17.3	15 2 2	WIND-SPD 14	TRACE OIR D	5 SQUARE 4
LAT 35 05 N	DAY 01	DATA USE 1	BAPOMETR 1023.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOUP 17.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 O31	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.9	OBS	00000	18.29	36.453	26.33		1519.1							
	OBS	00010	17.91	36.415	26.35		1518.1							
	OBS	00020	17.61	36.407	26.46		1517.4							
	OBS	00030	17.40	36.425	26.53		1516.9							
	OBS	00050	17.13	36.450	26.61		1516.5							
	OBS	00075	17.07	36.443	26.62		1516.7							
	OBS	00100	17.07	36.447	26.62		1517.1							
	OBS	00125	17.06	36.444	26.62		1517.5							
	OBS	00150	17.06	36.444	26.62		1517.9							
	OBS	00200	17.10	36.445	26.62		1518.9							
	OBS	00250	17.01	36.419	26.62		1519.4							
	OBS	00300	16.95	36.425	26.64		1520.0							
	OBS	00400	16.95	36.428	26.64		1521.7							
	OBS	00500	16.16	36.267	26.70		1520.8							
	OBS	00600	14.90	35.911	26.71		1518.0							
	OBS	00700	12.89	35.635	26.92		1512.6							
	OBS	00800	10.87	35.334	27.08		1507.1							
	OBS	00900	08.27	35.083	27.32		1498.9							
	OBS	01000	06.40	34.992	27.52		1493.2							
	OBS	01100	05.58	34.980	27.61		1491.5							
	OBS	01200	05.17	35.023	27.65		1491.6							
	OBS	01300	04.92	35.006	27.71		1492.2							
	OBS	01400	04.70	35.014	27.74		1493.0							
	OBS	01497	04.36	35.006	27.77		1493.2							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 01810 AIR TEMP 18.7 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 05 SHIP E1 WET BULB 17.2 16 3 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 02 DATA USE 1 BAROMETR 1023.0 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG E26 032 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIU3	PH
00.2	0BS	00000	18.19	36.458	26.36		1518.8							
	0BS	00010	18.18	36.458	26.36		1518.7							
	0BS	00020	17.61	36.421	26.47		1517.4							
	0BS	00030	17.27	36.441	26.57		1516.0							
	0BS	00050	17.09	36.441	26.62		1516.4							
	0BS	00075	17.04	36.443	26.63		1516.0							
	0BS	00100	17.04	36.443	26.63		1517.1							
	0BS	00125	17.04	36.444	26.63		1517.5							
	0BS	00150	17.04	36.444	26.63		1517.9							
	0BS	00200	17.04	36.445	26.63		1518.7							
	0BS	00250	17.03	36.441	26.63		1519.5							
	0BS	00300	17.02	36.440	26.63		1520.3							
	0BS	00400	16.28	36.250	26.66		1519.5							
	0BS	00490	15.34	36.082	26.75		1517.8							
	0BS	00500	15.30	36.122	26.79		1517.9							
	0BS	00530	15.31	36.144	26.80		1518.5							
	0BS	00600	15.06	36.084	26.81		1516.8							
	0BS	00700	13.22	35.649	26.87		1515.9							
	0BS	00800	11.16	35.396	27.07		1508.2							
	0BS	00900	09.15	35.180	27.25		1502.3							
	0BS	00920	08.82	35.120	27.26		1501.3							
	0BS	00950	08.42	35.166	27.36		1500.4							
	0BS	01000	06.99	34.777	27.42		1455.5							
	0BS	01100	05.93	35.046	27.62		1453.0							
	0BS	01200	05.11	34.985	27.67		1451.3							
	0BS	01300	04.88	35.010	27.72		1452.1							
	0BS	01400	04.67	34.994	27.73		1452.9							
	0BS	01500	04.42	35.006	27.77		1453.5							

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REFID 31 8097 YEAR 1969 BOTOP 04572 AIR TEMP 18.1 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEL 0033 MONTH 05 SHIP E1 WET BULB 16.7 15 3 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 02 DATA USE 1 BAROMETR 1020.5 SEA WIND-FUR DURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG E26 033 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIU3	PH
05.6	0BS	00000	18.13	36.450	26.37		1518.6							
	0BS	00010	18.13	36.449	26.37		1518.8							
	0BS	00020	17.72	36.424	26.45		1517.7							
	0BS	00030	17.63	36.430	26.48		1517.0							
	0BS	00050	17.16	36.442	26.59		1516.0							
	0BS	00075	17.10	36.443	26.61		1516.8							
	0BS	00100	17.10	36.450	26.62		1517.2							
	0BS	00125	17.10	36.452	26.62		1517.6							
	0BS	00150	17.06	36.444	26.62		1517.9							
	0BS	00200	17.04	36.443	26.63		1518.7							
	0BS	00250	17.02	36.438	26.63		1519.4							
	0BS	00300	17.01	36.430	26.63		1520.2							
	0BS	00400	16.60	36.326	26.64		1520.5							
	0BS	00500	15.75	36.175	26.73		1515.4							
	0BS	00545	15.54	36.190	26.75		1515.5							
	0BS	00600	14.75	35.993	26.81		1517.7							
	0BS	00700	13.21	35.654	26.88		1515.9							
	0BS	00800	10.92	35.371	27.10		1507.3							
	0BS	00900	08.70	35.128	27.25		1500.6							
	0BS	00972	07.88	35.146	27.43		1456.7							
	0BS	01000	07.40	35.089	27.45		1457.2							
	0BS	01051	06.21	34.574	27.53		1455.2							
	0BS	01077	06.04	35.035	27.60		1453.1							
	0BS	01100	05.80	34.996	27.60		1492.4							
	0BS	01145	05.74	35.087	27.68		1453.1							
	0BS	01200	05.49	35.054	27.68		1452.9							
	0BS	01300	05.01	35.036	27.72		1452.6							
	0BS	01400	04.70	35.021	27.75		1453.0							
	0BS	01500	04.52	35.030	27.78		1454.0							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 04390 AIR TEMP 19.2 DIR MGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 05 SHIP E1 WET BULB 17.6 WIND-SPO 18 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 02 DATA USE 1 BAROMETP 1020.3 SEA WIND-FUR 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 11.6 AREA 05 CLGUD T/A CL/TR WEATHER X2 ORIC E26 034 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNL VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.6	OBS	00000	18.04	36.440	26.38		1518.3							
	OBS	00010	18.02	36.426	26.38		1518.4							
	OBS	00020	17.57	36.418	26.48		1517.3							
	OBS	00030	17.29	36.414	26.55		1516.6							
	OBS	00050	17.11	36.419	26.59		1516.4							
	OBS	00075	17.07	36.435	26.62		1516.7							
	OBS	00100	17.07	36.440	26.62		1517.1							
	OBS	00125	17.07	36.441	26.62		1517.5							
	OBS	00150	17.06	36.438	26.62		1518.0							
	OBS	00200	17.02	36.439	26.62		1516.7							
	OBS	00300	17.01	36.432	26.63		1519.4							
	OBS	00400	16.60	36.424	26.62		1520.2							
	OBS	00500	15.61	36.348	26.66		1520.5							
	OBS	00600	15.00	36.132	26.72		1513.9							
	OBS	00700	12.90	35.815	26.77		1518.5							
	OBS	00800	10.85	35.328	26.91		1512.8							
	OBS	00900	08.51	35.111	27.08		1507.0							
	OBS	01000	07.00	35.045	27.47		1499.8							
	OBS	01025	06.59	35.067	27.56		1495.6							
	OBS	01052	06.91	35.164	27.58		1494.5							
	OBS	01075	06.21				1496.3							
	OBS	01100	06.01	35.042	27.61		1493.3							
	OBS	01110	05.71	34.997	27.61		1492.2							
	OBS	01200	05.13	34.583	27.67		1451.4							
	OBS	01300	04.83	34.995	27.71		1451.8							
	OBS	01400	04.60	34.996	27.74		1492.6							
	OBS	01498	04.42	35.000	27.76		1493.5							

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REFID 31 8097 YEAR 1969 BOTOP 03886 AIR TEMP 19.0 DIR MGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 05 SHIP E1 WET BULB 17.9 WIND-SPO 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 02 DATA USE 1 BAROMETP 1018.0 SEA WIND-FUR 00.5 2 SQUARE 48  
 LONG 048 10 W HOUR 17.5 AREA 05 CLGUD T/A CL/TR WEATHER X4 ORIC E26 035 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNL VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	18.01	36.438	26.35		1518.2							
	OBS	00010	17.98	36.434	26.39		1518.3							
	OBS	00020	17.90	36.434	26.41		1516.3							
	OBS	00030	17.66	36.429	26.47		1517.7							
	OBS	00050	17.15	36.440	26.60		1516.0							
	OBS	00075	17.11	36.453	26.62		1516.9							
	OBS	00100	17.10	36.459	26.63		1517.2							
	OBS	00125	17.08	36.454	26.63		1517.6							
	OBS	00150	17.08	36.457	26.63		1518.0							
	OBS	00200	17.06	36.454	26.63		1518.8							
	OBS	00250	17.05	36.447	26.63		1519.5							
	OBS	00300	17.05	36.448	26.63		1520.4							
	OBS	00400	17.03	36.438	26.63		1521.9							
	OBS	00500	16.08	36.192	26.66		1520.4							
	OBS	00510	16.06	36.230	26.70		1520.6							
	OBS	00600	14.99	36.006	26.77		1518.4							
	OBS	00700	12.96	35.581	26.87		1513.0							
	OBS	00800	10.55	35.297	27.11		1505.9							
	OBS	00900	08.69	35.133	27.29		1500.9							
	OBS	01000	06.63	34.924	27.43		1494.0							
	OBS	01100	05.45	34.989	27.63		1491.0							
	OBS	01200	05.06	34.989	27.66		1491.1							
	OBS	01300	04.71	34.985	27.72		1491.3							
	OBS	01400	04.54	34.995	27.75		1492.3							
	OBS	01495	04.38	34.999	27.77		1493.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 04389 AIR TEMP 18.9 DIR HGT PER WIND-DIR 30 INST STD RECCPNER TEN SQ 1206  
 CONSEC 0036 MONTH 05 SHIP E1 WET BULB 16.9 20 3 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 03 DATA USE 1 BAROMETP 1014.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 036 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.7	OBS	00000	18.33	36.405	26.28		1519.1							
	OBS	00010	18.33	36.427	26.30		1519.3							
	OBS	00020	18.15	36.390	26.32		1516.9							
	OBS	00030	17.70	36.378	26.42		1517.9							
	OBS	00050	17.20	36.433	26.58		1516.7							
	OBS	00075	17.08	36.439	26.62		1516.8							
	OBS	00100	17.05	36.449	26.62		1517.1							
	OBS	00125	17.03	36.435	26.63		1517.8							
	OBS	00150	17.02	36.439	26.63		1517.8							
	OBS	00200	17.02	36.441	26.63		1518.6							
	OBS	00250	17.01	36.435	26.63		1519.4							
	OBS	00300	17.01	36.434	26.63		1520.2							
	OBS	00400	16.11	36.192	26.66		1518.9							
	OBS	00400	15.30	36.058	26.74		1517.2							
	OBS	00480	15.34	36.103	26.75		1517.3							
	OBS	00485	15.26	36.078	26.76		1517.5							
	OBS	00500	15.24	36.104	26.79		1517.7							
	OBS	00600	15.01	36.052	26.80		1516.6							
	OBS	00700	13.55	35.704	26.84		1515.1							
	OBS	00780	11.41	35.326	26.97		1508.6							
	OBS	00800	11.04	35.356	27.10		1507.8							
	OBS	00900	08.65	35.142	27.30		1500.4							
	OBS	00960	07.99	35.136	27.40		1498.9							
	OBS	01000	06.78	34.942	27.42		1494.6							
	OBS	01100	05.56	34.948	27.59		1491.6							
	OBS	01200	05.12	35.007	27.65		1491.4							
	OBS	01300	04.81	34.980	27.70		1491.7							
	OBS	01400	04.65	35.002	27.74		1492.8							
	OBS	01500	04.52	35.009	27.76		1493.9							

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REFID 31 8097 YEAR 1969 BOTDP 03931 AIR TEMP 18.2 DIR HGT PER WIND-DIR 30 INST STD RECCROER TEN SQ 1206  
 CONSEC 0037 MONTH 05 SHIP E1 WET BULB 15.0 22 3 4 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 16 N DAY 03 DATA USE 1 BAROMETP 1015.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 37 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 037 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
17.5	OBS	00000	18.03	36.371	26.33		1518.2							
	OBS	00010	17.87	36.390	26.35		1517.9							
	OBS	00020	17.75	36.404	26.43		1517.8							
	OBS	00030	17.36	36.422	26.54		1516.8							
	OBS	00050	17.15	36.454	26.61		1516.6							
	OBS	00075	17.11	36.458	26.62		1516.9							
	OBS	00100	17.10	36.458	26.63		1517.2							
	OBS	00125	17.09	36.455	26.63		1517.3							
	OBS	00150	17.08	36.457	26.63		1518.0							
	OBS	00200	17.08	36.451	26.63		1518.8							
	OBS	00250	17.04	36.450	26.63		1519.5							
	OBS	00300	17.04	36.448	26.63		1520.3							
	OBS	00400	17.00	36.427	26.63		1521.8							
	OBS	00450	16.76	36.376	26.64		1521.9							
	OBS	00500	15.92	36.195	26.70		1519.9							
	OBS	00513	15.56	36.279	26.76		1520.4							
	OBS	00600	15.07	36.031	26.77		1518.7							
	OBS	00700	12.89	35.643	26.93		1512.8							
	OBS	00800	10.67	35.246	27.05		1506.3							
	OBS	00900	08.56	35.105	27.25		1500.0							
	OBS	00919	08.41	35.159	27.36		1499.8							
	OBS	01000	06.76	35.001	27.47		1494.6							
	OBS	01100	05.46	34.982	27.63		1491.0							
	OBS	01200	05.01	34.986	27.68		1490.9							
	OBS	01300	04.77	34.989	27.71		1491.6							
	OBS	01400	04.49	34.986	27.74		1492.1							
	OBS	01500	04.38	35.003	27.77		1493.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 04343 AIR TEMP 16.7 OIR HGT PER WIND-OIR 31 INST STD RECOROER TEN SQ 1206  
 CONSEC 0038 MONTH 05 SHIP E1 WET BULB 13.5 31 3 3 WIND-SPD 18 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N OAY 03 DATA USE 1 BAROMETR 1019.2 Sea WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 038 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	085	00000	18.25	36.405	26.31		1518.9							
	085	00010	18.25	36.407	26.30		1519.1							
	085	00020	18.14	36.408	26.33		1518.9							
	085	00030	17.41	36.407	26.51		1517.0							
	085	00050	17.13	36.432	26.60		1516.5							
	085	00075	17.07	36.433	26.61		1516.7							
	085	00100	17.02	36.434	26.63		1517.0							
	085	00125	17.03	36.440	26.63		1517.4							
	085	00150	17.02	36.440	26.63		1517.8							
	085	00200	17.04	36.444	26.63		1518.7							
	085	00250	17.04	36.446	26.63		1519.5							
	085	00300	17.03	36.449	26.64		1520.3							
	085	00400	16.82	36.391	26.64		1521.3							
	085	00500	15.88	36.213	26.73		1519.8							
	085	00600	14.82	36.002	26.80		1517.9							
	085	00700	13.01	35.647	26.91		1513.2							
	085	00800	10.87	35.335	27.08		1507.1							
	085	00900	08.47	35.070	27.28		1499.6							
	085	00930	07.75	35.031	27.36		1497.3							
	085	00950	07.77	35.159	27.45		1497.9							
	085	01000	07.31	35.143	27.51		1496.9							
	085	01065	06.09	34.940	27.51		1492.9							
	085	01100	05.84	35.015	27.61		1492.6							
	085	01200	05.13	34.993	27.68		1491.4							
	085	01300	05.08	35.065	27.74		1493.0							
	085	01400	04.88	35.054	27.75		1493.8							
	085	01500	04.60	35.041	27.77		1494.3							

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REFID 31 8097 YEAR 1969 BOTOP 04206 AIR TEMP 16.2 OIR HGT PER WIND-OIR 31 INST STD RECOROER TEN SQ 1206  
 CONSEC 0039 MONTH 05 SHIP E1 WET BULB 11.5 21 3 3 WIND-SPD 14 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N OAY 04 DATA USE 1 BAROMETR 1019.6 Sea WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 039 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
05.6	085	00000	18.19	36.407	26.32		1518.7							
	085	00010	18.19	36.403	26.32		1518.7							
	085	00020	18.11	36.399	26.33		1518.8							
	085	00030	17.72	36.476	26.49		1517.9							
	085	00050	17.20	36.416	26.57		1516.7							
	085	00075	17.08	36.421	26.60		1516.7							
	085	00100	17.03	36.422	26.62		1517.0							
	085	00125	17.02	36.430	26.62		1517.4							
	085	00150	17.05	36.447	26.63		1517.9							
	085	00200	17.04	36.440	26.63		1518.7							
	085	00250	17.04	36.445	26.63		1519.5							
	085	00300	17.04	36.449	26.63		1520.3							
	085	00400	16.83	36.405	26.65		1521.3							
	085	00500	16.05	36.228	26.70		1520.4							
	085	00600	15.32	36.089	26.76		1519.6							
	085	00700	13.62	35.752	26.87		1515.4							
	085	00800	11.26	35.421	27.07		1508.6							
	085	00900	08.94	35.130	27.25		1501.5							
	085	00945	07.85	35.062	27.37		1498.0							
	085	00965	07.81	35.179	27.46		1498.3							
	085	01000	07.50	35.150	27.45		1497.7							
	085	01050	06.24	34.991	27.54		1493.4							
	085	01100	05.73	35.004	27.61		1492.2							
	085	01200	05.15	35.036	27.71		1491.5							
	085	01300	05.21	35.050	27.71		1493.5							
	085	01400	04.90	35.050	27.75		1493.9							
	085	01495	04.59	35.033	27.77		1494.2							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 01353 AIR TEMP 16.2 DIR HGT PER WIND-OIR 28 INST STD RECORDER TEN SQ 1206  
 CONSEC 0040 MONTH 05 SHIP E1 WET BULB 11.0 3C 3 4 WIND-SPD 14 TRACE OIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1020.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 08 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E26 040 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	N02	N03	S103	PH
11.5	OBS	00000	18.01	36.404	26.36		1518.2							
	OBS	00010	18.01	36.399	26.36		1518.4							
	OBS	00020	18.00	36.399	26.36		1518.5							
	OBS	00030	17.90	36.401	26.39		1518.4							
	OBS	00050	17.21	36.435	26.58		1516.7							
	OBS	00075	17.08	36.436	26.61		1516.8							
	OBS	00100	17.03	36.435	26.63		1517.0							
	OBS	00125	17.05	36.456	26.64		1517.5							
	OBS	00150	17.09	36.469	26.64		1518.0							
	OBS	00200	17.10	36.469	26.63		1518.9							
	OBS	00250	17.10	36.468	26.63		1519.7							
	OBS	00300	17.08	36.451	26.63		1520.5							
	OBS	00400	17.01	36.444	26.64		1521.9							
	OBS	00500	16.41	36.309	26.68		1521.6							
	OBS	00600	15.05	35.995	26.74		1518.6							
	OBS	00700	12.95	35.642	26.92		1513.0							
	OBS	00800	11.37	35.381	27.02		1508.9							
	OBS	00885	09.36	35.206	27.24		1502.9							
	OBS	00900	08.75	35.077	27.24		1500.7							
	OBS	00990	06.40	34.939	27.47		1492.9							
	OBS	01000	06.27	34.994	27.53		1492.6							
	OBS	01025	05.91	34.959	27.55		1491.6							
	OBS	01100	05.56	35.025	27.65		1491.5							
	OBS	01200	05.14	35.044	27.71		1491.5							
	OBS	01300	05.00	35.051	27.74		1492.6							

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REFID 31 8097 YEAR 1969 BOTDP 01737 AIR TEMP 17.3 DIR HGT PER WIND-OIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0041 MONTH 05 SHIP E1 WET BULB 12.8 31 3 4 WIND-SPD 11 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1018.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 05.5W HOUR 17.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E26 041 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	N02	N03	S103	PH
17.4	OBS	00000	18.29	36.419	26.30		1519.0							
	OBS	00010	18.11	36.414	26.34		1518.7							
	OBS	00020	17.82	36.420	26.42		1518.0							
	OBS	00030	17.49	36.440	26.52		1517.2							
	OBS	00050	17.29	36.425	26.55		1516.9							
	OBS	00075	17.11	36.434	26.61		1516.8							
	OBS	00100	17.10	36.446	26.62		1517.2							
	OBS	00125	17.10	36.445	26.62		1517.6							
	OBS	00150	17.10	36.446	26.62		1518.1							
	OBS	00200	17.07	36.442	26.62		1518.8							
	OBS	00250	17.06	36.440	26.62		1519.6							
	OBS	00300	17.02	36.435	26.63		1520.3							
	OBS	00400	16.83	36.390	26.64		1521.3							
	OBS	00500	16.23	36.276	26.65		1521.0							
	OBS	00600	15.62	36.124	26.72		1520.6							
	OBS	00700	13.98	35.781	26.81		1516.6							
	OBS	00800	11.25	35.410	27.07		1508.5							
	OBS	00900	08.59	34.986	27.19		1500.0							
	OBS	00940	08.31	35.147	27.36		1499.8							
	OBS	01000	06.80	34.988	27.46		1494.7							
	OBS	01100	05.56	34.956	27.55		1491.4							
	OBS	01200	05.13	34.976	27.66		1491.4							
	OBS	01300	04.81	34.993	27.71		1491.7							
	OBS	01400	04.71	35.016	27.74		1493.0							
	OBS	01500	04.67	35.036	27.76		1494.6							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTOP 04206	AIR TEMP 17.4	OIR HGT PER	WIND-OIR 24	INST STO RECORDER	TEN SQ 1206
CONSEC 0042	MONTH 05	SHIP E1	WET BULB 13.8	31 3 4	WIND-SPO 17	TRACE OIR 0	5 SQUARE 4
LAT 35 04 N	OAY 04	DATA USE 1	BAROMETR 1018.4	SEA	WIND-FGR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E26 G42	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOP TH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	OBS	00000	18.22	36.420	26.32		1518.8							
	OBS	00010	18.04	36.419	26.37		1518.5							
	OBS	00020	18.00	36.422	26.38		1518.5							
	OBS	00030	17.76	36.406	26.43		1518.0							
	OBS	00050	17.27	36.434	26.57		1516.9							
	OBS	00075	17.17	36.429	26.59		1517.0							
	OBS	00100	17.10	36.437	26.61		1517.2							
	OBS	00125	17.11	36.452	26.62		1517.7							
	OBS	00150	17.13	36.459	26.62		1518.2							
	OBS	00200	17.07	36.438	26.62		1516.8							
	OBS	00250	17.06	36.442	26.62		1519.6							
	OBS	00300	17.02	36.431	26.62		1520.3							
	OBS	00400	16.69	36.349	26.64		1520.8							
	OBS	00430	16.59	36.359	26.67		1521.0							
	OBS	00500	15.53	36.100	26.72		1516.6							
	OBS	00600	14.33	35.818	26.77		1516.1							
	OBS	00700	13.11	35.637	26.98		1513.5							
	OBS	00800	11.43	35.436	27.05		1509.2							
	OBS	00900	08.52	35.067	27.27		1459.8							
	OBS	00910	08.45	35.159	27.35		1459.8							
	OBS	01000	06.80	35.011	27.48		1454.8							
	OBS	01100	05.72	34.988	27.60		1492.1							
	OBS	01200	05.04	34.983	27.68		1491.0							
	OBS	01300	04.83	35.002	27.72		1491.8							
	OBS	01335	04.78	34.999	27.72		1492.2							
	OBS	01360	04.93	35.036	27.73		1493.3							
	OBS	01370	04.79	35.017	27.73		1492.9							
	OBS	01400	04.92	35.054	27.75		1494.0							
	OBS	01500	04.69	35.040	27.76		1494.7							

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REFID 31 8097	YEAR 1969	BOTOP 01481	AIR TEMP 17.2	OIR HGT PER	WIND-OIR 24	INST STO RECORDER	TEN SQ 1206
CONSEC 0043	MONTH 05	SHIP E1	WET BULB 13.5	31 3 4	WIND-SPO 24	TRACE OIR 0	5 SQUARE 4
LAT 35 04 N	OAY 05	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FGR	DURATION 00.4	2 SQUARE 48
LONG 048 07 W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E26 D43	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOP TH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
05.8	OBS	00000	18.02	36.402	26.36		1518.2							
	OBS	00010	18.02	36.402	26.36		1518.4							
	OBS	00020	18.02	36.402	26.36		1518.6							
	OBS	00030	18.02	36.401	26.36		1518.7							
	OBS	00050	17.70	36.400	26.44		1518.1							
	OBS	00075	17.19	36.441	26.59		1517.1							
	OBS	00100	17.06	36.432	26.62		1517.1							
	OBS	00125	17.05	36.437	26.62		1517.5							
	OBS	00150	17.09	36.446	26.62		1518.0							
	OBS	00200	17.11	36.462	26.63		1518.9							
	OBS	00250	17.11	36.461	26.63		1519.7							
	OBS	00300	17.10	36.451	26.62		1520.5							
	OBS	00400	17.06	36.443	26.62		1522.0							
	OBS	00500	16.39	36.286	26.66		1521.5							
	OBS	00600	15.07	36.036	26.77		1518.7							
	OBS	00700	13.21	35.665	26.88		1513.9							
	OBS	00800	11.36	35.365	27.01		1508.9							
	OBS	00900	09.42	35.197	27.22		1503.3							
	OBS	01000	07.17	35.019	27.43		1496.2							
	OBS	01100	05.81	34.578	27.58		1492.5							
	OBS	01200	05.35	35.036	27.68		1492.4							
	OBS	01300	05.12	35.042	27.72		1493.1							
	OBS	01350	05.09	35.045	27.72		1493.8							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 03521 AIR TEMP 17.9 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SW 1206  
 CONSEC 0044 MONTH 05 SHIP E1 MET BULB 14.3 24 4 3 WIND-SPO 18 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 05 DATA USE 1 BAROMETER 1017.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 49  
 LONG 048 04 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 C44 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIU3	PH
11.5	085	00000	18.21	36.433	26.33		1518.8							
	085	00010	18.21	36.432	26.33		1519.0							
	085	00020	17.96	36.432	26.40		1518.4							
	085	00030	17.39	36.433	26.54		1516.9							
	085	00050	17.19	36.432	26.58		1516.7							
	085	00075	17.08	36.441	26.62		1516.8							
	085	00100	17.08	36.449	26.62		1517.2							
	085	00125	17.08	36.459	26.63		1517.6							
	085	00150	17.08	36.456	26.63		1518.0							
	085	00200	17.08	36.449	26.62		1516.8							
	085	00250	17.04	36.440	26.63		1519.5							
	085	00300	17.03	36.444	26.63		1520.3							
	085	00380	16.89	36.432	26.66		1521.2							
	085	00400	16.75	36.390	26.66		1521.0							
	085	00500	15.81	36.184	26.72		1519.6							
	085	00600	15.02	36.047	26.75		1516.6							
	085	00700	13.16	35.614	26.85		1513.7							
	085	00800	10.98	35.373	27.09		1507.5							
	085	00900	08.70	35.157	27.31		1500.0							
	085	00960	07.51	35.075	27.43		1497.0							
	085	00970	07.71	35.126	27.44		1498.0							
	085	01000	07.10	35.117	27.52		1498.1							
	085	01100	05.58	34.985	27.61		1491.5							
	085	01200	05.29	35.048	27.70		1492.1							
	085	01300	05.01	35.049	27.73		1492.6							
	085	01400	04.66	35.034	27.76		1492.9							
	085	01500	04.41	35.019	27.78		1493.5							

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REFID 31 8097 YEAR 1969 BOTOP 02926 AIR TEMP 18.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SW 1206  
 CONSEC 0045 MONTH 05 SHIP E1 MET BULB 15.7 30 4 5 WIND-SPO 20 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 05 DATA USE 1 BAROMETER 1016.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 11 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E26 045 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIU3	PH
17.5	085	00000	18.08	36.411	26.35		1518.4							
	085	00010	18.01	36.410	26.37		1516.4							
	085	00020	17.79	36.422	26.43		1517.9							
	085	00030	17.27	36.427	26.56		1516.0							
	085	00050	17.14	36.433	26.60		1516.5							
	085	00075	17.07	36.432	26.61		1516.7							
	085	00100	17.07	36.434	26.61		1517.1							
	085	00125	17.06	36.435	26.62		1517.5							
	085	00150	17.06	36.437	26.62		1517.9							
	085	00200	17.11	36.456	26.62		1518.9							
	085	00250	17.09	36.445	26.62		1519.7							
	085	00300	17.05	36.434	26.62		1519.4							
	085	00400	16.88	36.387	26.62		1521.4							
	085	00500	16.30	36.243	26.65		1521.2							
	085	00600	15.11	36.012	26.74		1518.8							
	085	00700	13.30	35.689	26.88		1514.2							
	085	00800	10.96	35.322	27.05		1507.4							
	085	00864	09.39	35.213	27.24		1502.6							
	085	00890	09.27	35.214	27.26		1502.6							
	085	00900	08.95	35.189	27.29		1501.6							
	085	01000	07.24	34.977	27.35		1496.4							
	085	01100	05.76	35.017	27.62		1492.3							
	085	01200	05.27	35.036	27.69		1492.0							
	085	01300	04.94	34.992	27.70		1492.3							
	085	01400	04.79	35.020	27.74		1493.4							
	085	01500	04.64	35.029	27.76		1494.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTOP 03000	AIR TEMP 17.E	DIR HGT PER	WIND-DIR 18	INST STD RECCROER	TEM SQ 1206
CONSEC 0046	MONTH 05	SHIP E1	WET BULB 16.8	30 3 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
L&T 34 59 N	DAY 05	DATA USE 1	BAROMETR 1016.1	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 54 W	HOOR 23.6	AREA 05	CLOUD T/4	CL/TR	WEATHER X6	GRIG E26 046	1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	JAYG	PU4	TOT P	NO2	NO3	SI03	PH
23.6	085	00000	18.24	36.427	26.52		1518.9							
	085	00010	18.25	36.424	26.52		1519.1							
	085	00020	18.25	36.422	26.52		1519.2							
	085	00030	18.11	36.409	26.34		1519.0							
	085	00050	17.22	36.433	26.58		1516.6							
	085	00075	17.11	36.439	26.61		1516.6							
	085	00100	17.09	36.441	26.62		1517.2							
	085	00125	17.07	36.435	26.62		1517.5							
	085	00150	17.10	36.450	26.62		1518.1							
	085	00200	17.09	36.446	26.62		1518.8							
	085	00250	17.08	36.446	26.62		1519.6							
	085	00300	17.06	36.438	26.62		1520.4							
	085	00340	17.01	36.423	26.62		1520.9							
	085	00400	16.47	36.310	26.66		1520.1							
	085	00500	15.69	36.169	26.73		1519.2							
	085	00600	14.68	35.959	26.86		1517.4							
	085	00700	12.76	35.588	26.91		1512.3							
	085	00800	10.81	35.343	27.10		1506.9							
	085	00900	08.74	35.143	27.29		1500.7							
	085	01000	07.22	35.103	27.49		1496.5							
	085	01100	06.09	35.056	27.61		1493.7							
	085	01200	05.65	35.076	27.68		1493.6							
	085	01300	05.13	35.063	27.73		1493.2							
	085	01400	04.84	35.040	27.75		1493.0							
	085	01500	04.59	35.030	27.77		1494.2							

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REFID 31 8097	YEAR 1969	BOTOP 03840	AIR TEMP 17.4	DIR HGT PER	WIND-DIR 24	INST STD RECCROER	TEM SU 1206
CONSEC 0047	MONTH 05	SHIP E1	WET BULB 17.G	30 3 2	WIND-SPD 06	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N	DAY 06	DATA USE 1	BAROMETR 1010.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOOR 05.7	AREA 05	CLOUD T/4	CL/TR	WEATHER X6	GRIG E26 047	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
05.7	085	00000	18.04	36.231	26.22		1518.1							
	085	00010	18.03	36.392	26.35		1518.4							
	085	00020	18.03	36.394	26.35		1518.6							
	085	00030	18.03	36.395	26.35		1518.7							
	085	00050	17.60	36.418	26.47		1517.8							
	085	00075	17.21	36.435	26.58		1517.1							
	085	00100	17.11	36.434	26.61		1517.2							
	085	00125	17.10	36.446	26.62		1517.6							
	085	00150	17.11	36.454	26.62		1518.1							
	085	00200	17.12	36.455	26.62		1518.9							
	085	00250	17.11	36.450	26.62		1519.7							
	085	00300	17.11	36.450	26.62		1520.5							
	085	00400	16.86	36.386	26.63		1521.4							
	085	00500	16.25	36.269	26.68		1521.0							
	085	00600	15.06	36.000	26.75		1518.7							
	085	00700	13.31	35.695	26.69		1514.3							
	085	00800	11.39	35.443	27.07		1509.1							
	085	00900	08.75	35.092	27.25		1500.7							
	085	00960	07.82	35.094	27.35		1498.2							
	085	00965	08.02	35.183	27.43		1499.1							
	085	01000	07.35	35.090	27.46		1497.0							
	085	01100	05.82	34.991	27.59		1492.5							
	085	01200	05.12	34.990	27.67		1491.3							
	085	01300	04.82	34.990	27.71		1491.8							
	085	01400	04.79	35.030	27.74		1493.4							
	085	01500	04.60	35.035	27.77		1494.3							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BCTDP 02834 AIR TEMP 18.1 DIR HGT PER WIND-DIR 07 INST STO RECORDER TEN SQ 1206  
 CONSEC 0045 MONTH 05 SHIP E1 WET BULB 16.3 21 5 4 WIND-SPD 02 TRACE DIR D 5 SQUARE 4  
 LAT 35 13 N DAY 07 DATA USE 1 BAROMETR 1008.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 046 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	CYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
11.6	085	00000	18.05	36.343	26.31		1518.2							
	085	00010	18.04	36.344	26.31		1518.4							
	085	00020	18.01	36.352	26.32		1518.5							
	085	00030	17.93	36.351	26.34		1518.4							
	085	00050	17.51	36.389	26.47		1517.6							
	085	00075	17.14	36.414	26.56		1516.9							
	085	00100	17.12	36.412	26.59		1517.2							
	085	00125	17.09	36.420	26.60		1517.0							
	085	00150	17.09	36.427	26.60		1518.0							
	085	00200	17.10	36.435	26.61		1518.9							
	085	00250	17.10	36.435	26.61		1519.7							
	085	00300	17.09	36.437	26.61		1520.5							
	085	00400	16.94	36.412	26.63		1521.6							
	085	00472	16.48	36.291	26.65		1521.3							
	085	00500	16.42	36.300	26.67		1521.6							
	085	00600	14.69	35.903	26.75		1517.4							
	085	00700	13.31	35.617	26.63		1514.2							
	085	00800	10.82	35.330	27.08		1506.9							
	085	00900	08.87	35.149	27.28		1501.2							
	085	00920	07.91	35.103	27.59		1497.9							
	085	00975	07.66	35.079	27.41		1497.8							
	085	01000	07.01	35.024	27.46		1495.6							
	085	01100	05.43	34.967	27.62		1490.9							
	085	01200	05.17	35.005	27.68		1491.6							
	085	01300	04.85	34.996	27.71		1491.9							
	085	01400	04.69	35.012	27.74		1493.0							
	085	01500	04.43	35.007	27.77		1493.0							

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REFID 31 8097 YEAR 1969 BCTDP 04352 AIR TEMP 18.2 DIR HGT PER WIND-DIR 23 INST STO RECORDER TEN SQ 1206  
 CONSEC 0049 MONTH 05 SHIP E1 WET BULB 16.7 22 3 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 4  
 LAT 35 07 N DAY 07 DATA USE 1 BAROMETR 1006.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 57 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E26 049 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	CYNDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
17.8	085	00000	18.27	36.337	26.25		1518.9							
	085	00010	18.05	36.309	26.28		1518.4							
	085	00020	18.01	36.350	26.32		1518.5							
	085	00030	18.00	36.352	26.32		1518.6							
	085	00050	17.88	36.365	26.36		1518.6							
	085	00075	17.21	36.412	26.56		1517.1							
	085	00100	17.12	36.420	26.59		1517.3							
	085	00125	17.08	36.427	26.61		1517.6							
	085	00150	17.07	36.427	26.61		1517.9							
	085	00200	17.06	36.430	26.61		1518.7							
	085	00250	17.05	36.421	26.61		1519.5							
	085	00300	17.02	36.406	26.61		1520.2							
	085	00400	16.76	36.341	26.62		1521.0							
	085	00500	15.72	36.145	26.71		1519.3							
	085	00550	15.28	36.062	26.75		1518.6							
	085	00565	14.87	36.002	26.75		1517.5							
	085	00580	15.01	36.042	26.75		1518.2							
	085	00600	14.74	35.973	26.80		1517.6							
	085	00700	13.01	35.600	26.67		1513.1							
	085	00800	11.11	35.396	27.08		1508.0							
	085	00900	08.49	35.102	27.50		1499.7							
	085	00940	07.62	35.046	27.59		1497.0							
	085	00950	07.78	35.135	27.43		1497.9							
	085	01000	07.35	35.115	27.48		1497.1							
	085	01100	05.80	35.002	27.60		1492.4							
	085	01200	05.19	34.995	27.67		1491.6							
	085	01300	05.13	35.054	27.72		1493.1							
	085	01400	04.79	35.022	27.74		1493.4							
	085	01500	04.58	35.026	27.77		1494.2							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 04938 AIR TEMP 17.7 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CONSEC 0050 MONTH 05 SHIP E1 WET BULB 14.9 21 3 4 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 07 DATA USE 1 BAROMETR 1010.3 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LDNG 04B 05 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E26 050 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
23.6	OBS	00000	18.11	36.363	26.31		1518.4							
	OBS	00010	18.08	36.339	26.29		1518.5							
	OBS	00020	18.03	36.370	26.33		1518.5							
	OBS	00030	18.01	36.378	26.34		1518.7							
	OBS	00050	17.80	36.390	26.40		1518.4							
	OBS	00075	17.11	36.416	26.59		1516.8							
	OBS	00100	17.11	36.431	26.60		1517.2							
	OBS	00125	17.11	36.435	26.61		1517.7							
	OBS	00150	17.11	36.435	26.61		1518.1							
	OBS	00200	17.11	36.434	26.61		1518.9							
	OBS	00250	17.11	36.435	26.61		1519.7							
	OBS	00300	17.06	36.427	26.61		1520.4							
	OBS	00400	16.80	36.361	26.62		1521.2							
	OBS	00500	15.96	36.159	26.67		1520.0							
	OBS	00600	14.52	35.864	26.76		1516.8							
	OBS	00700	12.72	35.573	26.91		1512.1							
	OBS	00800	10.66	35.331	27.11		1506.3							
	OBS	00900	08.21	35.101	27.34		1498.7							
	OBS	00953	06.96	35.002	27.45		1494.6							
	OBS	00959	06.91	35.068	27.51		1494.6							
	OBS	01000	06.56	35.031	27.52		1493.8							
	OBS	01038	06.70	35.176	27.62		1495.2							
	OBS	01100	06.30	35.116	27.63		1494.6							
	OBS	01200	05.60	35.078	27.69		1493.4							
	OBS	01300	05.01	35.042	27.73		1492.6							
	OBS	01400	04.77	35.030	27.75		1493.3							
	OBS	01500	04.59	35.024	27.76		1494.2							

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REFID 31 8097 YEAR 1969 BOTOP 04206 AIR TEMP 16.7 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CONSEC 0051 MONTH 05 SHIP E1 WET BULB 13.3 27 4 4 WIND-SPD 25 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 08 DATA USE 1 BAROMETR 1066.5 SEA WIND-FUR DURATION 00.5 2 SQUARE 48  
 LDNG 04B 02 W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E26 051 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
05.8	OBS	00000	18.03	36.347	26.31		1518.2							
	OBS	00010	18.03	36.347	26.31		1518.4							
	OBS	00020	18.02	36.334	26.31		1518.5							
	OBS	00030	17.81	36.319	26.35		1518.0							
	OBS	00050	17.10	36.409	26.59		1516.4							
	OBS	00075	17.10	36.418	26.60		1516.8							
	OBS	00100	17.10	36.430	26.60		1517.2							
	OBS	00125	17.03	36.419	26.61		1517.4							
	OBS	00150	17.03	36.422	26.62		1517.8							
	OBS	00200	17.03	36.425	26.62		1518.6							
	OBS	00250	17.02	36.421	26.62		1519.4							
	OBS	00300	17.01	36.416	26.62		1520.2							
	OBS	00400	16.71	36.352	26.64		1520.9							
	OBS	00500	15.93	36.186	26.69		1520.0							
	OBS	00600	14.81	35.943	26.76		1517.8							
	OBS	00625	14.42	35.863	26.78		1516.9							
	OBS	00630	14.47	35.883	26.79		1517.1							
	OBS	00700	12.96	35.636	26.91		1513.0							
	OBS	00740	12.02	35.534	27.02		1510.4							
	OBS	00770	11.93	35.518	27.02		1510.5							
	OBS	00800	11.02	35.378	27.08		1507.7							
	OBS	00900	08.92	35.101	27.23		1501.3							
	OBS	00930	08.16	35.106	27.35		1499.0							
	OBS	00942	08.19	35.169	27.40		1499.4							
	OBS	01000	07.11	35.066	27.48		1496.1							
	OBS	01015	06.71	34.994	27.47		1494.6							
	OBS	01100	05.61	34.985	27.61		1491.7							
	OBS	01200	05.11	34.983	27.67		1491.3							
	OBS	01300	05.19	35.033	27.70		1493.4							
	OBS	01400	04.92	35.043	27.74		1493.9							
	OBS	01495	04.67	35.034	27.76		1494.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BCTOP 04755	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 31	INST STO RECORDER	TEN SQ 1206
CONSEC 0052	MONTH 05	SHIP E1	WET BULB 11.1	31 5 3	WIND-SPO 25	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 08	DATA USE 1	BAROMETR 1014.8	SEA	WIND-FQR	DURATION 00.4	2 SQUARE 46
LONG 047 56 W	HOUR 17.6	AREA 05	CLOUD T/A	CL/TR	WEATHER A1	ORIG E26 052	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
17.6	OBS	C0000	18.03	36.367	26.33		1518.2							
	OBS	00010	18.03	36.367	26.33		1518.4							
	OBS	00020	18.03	36.366	26.33		1518.5							
	OBS	00030	18.03	36.365	26.33		1518.7							
	OBS	00050	18.01	36.365	26.33		1519.0							
	OBS	00075	17.73	36.391	26.42		1518.6							
	OBS	00100	17.05	36.428	26.61		1517.1							
	OBS	00125	17.06	36.431	26.61		1517.5							
	OBS	00150	17.07	36.443	26.62		1518.0							
	OBS	00200	17.07	36.442	26.62		1518.8							
	OBS	00250	17.07	36.442	26.62		1519.6							
	OBS	00300	17.02	36.427	26.62		1520.3							
	OBS	00400	16.63	36.338	26.65		1520.6							
	OBS	00500	15.96	36.211	26.71		1520.1							
	OBS	00600	15.08	36.062	26.75		1518.8							
	OBS	00700	12.82	35.580	26.90		1512.5							
	OBS	00800	10.71	35.313	27.09		1506.5							
	OBS	00900	08.78	35.136	27.28		1500.9							
	OBS	01000	07.18	35.133	27.52		1496.4							
	OBS	01050	06.84	35.174	27.60		1496.0							
	OBS	01100	06.09	35.094	27.64		1493.7							
	OBS	01200	05.38	35.032	27.68		1492.5							
	OBS	01300	05.01	35.053	27.74		1492.6							
	OBS	01400	04.81	35.036	27.75		1493.5							
	OBS	01500	04.49	35.023	27.77		1493.8							

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REFID 31 8097	YEAR 1969	BCTOP 03109	AIR TEMP 14.5	DIR HGT PER	WIND-DIR 32	INST STO RECORDER	TEN SQ 1206
CONSEC 0053	MONTH 05	SHIP E1	WET BULB 11.6	32 5 3	WIND-SPO 27	TRACE DIR 0	5 SQUARE 4
LAT 35 16 N	DAY 09	DATA USE 1	BAROMETR 1021.6	SEA	WIND-FQR	DURATION 00.4	2 SQUARE 48
LONG 048 14 W	HOUR 11.7	AREA G5	CLOUD T/A	CL/TR	WEATHER X1	ORIG E26 053	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.7	OBS	00000	18.24	36.400	26.30		1518.9							
	OBS	00010	18.24	36.401	26.30		1519.0							
	OBS	00020	18.24	36.402	26.30		1519.2							
	OBS	00030	18.24	36.402	26.30		1519.4							
	OBS	00050	17.48	36.409	26.50		1517.5							
	OBS	00075	17.08	36.410	26.59		1515.7							
	OBS	00100	17.06	36.410	26.60		1517.1							
	OBS	00125	17.12	36.443	26.61		1517.7							
	OBS	00150	17.12	36.446	26.61		1518.1							
	OBS	00200	17.11	36.445	26.61		1518.9							
	OBS	00250	17.11	36.446	26.61		1519.7							
	OBS	00300	17.11	36.443	26.61		1520.5							
	OBS	00400	16.93	36.397	26.62		1521.6							
	OBS	00500	15.94	36.190	26.69		1520.0							
	OBS	00530	15.71	36.260	26.80		1519.9							
	OBS	00540	15.23	36.150	26.82		1518.4							
	OBS	00600	14.77	35.997	26.81		1517.7							
	OBS	00700	12.81	35.596	26.91		1512.5							
	OBS	00800	10.65	35.305	27.09		1506.3							
	OBS	00900	08.32	35.112	27.33		1499.1							
	OBS	01000	06.69	35.016	27.49		1494.3							
	OBS	01100	05.55	34.977	27.61		1491.4							
	OBS	01200	05.04	34.990	27.68		1491.0							
	OBS	01300	04.69	34.980	27.72		1491.2							
	OBS	01400	04.43	34.982	27.75		1491.8							
	OBS	01495	04.28	34.979	27.76		1492.8							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTDP 05030 AIR TEMP 17.0 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1200  
 CONSEC 0054 MONTH 05 SHIP E1 WET BULB 14.4 33 5 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 2  
 LAT 34 47 N DAY 09 DATA USE 1 BAROMETR 1022.2 SEA WIND-FJR DURATION 00.5 2 SQUARE 46  
 LONG 047 50 W HOUR 17.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E26 054 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.5	OBS	00000	17.91	36.386	26.37		1517.9							
	OBS	00010	17.91	36.386	26.37		1518.1							
	OBS	00020	17.89	36.362	26.37		1518.2							
	OBS	00030	17.88	36.385	26.38		1518.3							
	OBS	00050	17.27	36.398	26.54		1516.9							
	OBS	00075	17.06	36.417	26.60		1516.7							
	OBS	00100	17.03	36.436	26.61		1517.2							
	OBS	00125	17.09	36.435	26.61		1517.6							
	OBS	00150	17.10	36.439	26.61		1518.0							
	OBS	00200	17.07	36.438	26.62		1518.8							
	OBS	00250	17.05	36.432	26.62		1519.5							
	OBS	00300	17.02	36.414	26.61		1520.2							
	OBS	00400	16.73	36.353	26.63		1520.9							
	OBS	00500	15.88	36.159	26.68		1519.8							
	OBS	00600	14.52	35.900	26.75		1516.8							
	OBS	00700	12.61	35.607	26.92		1512.5							
	OBS	00800	10.65	35.296	27.05		1506.3							
	OBS	00900	08.40	35.098	27.31		1499.4							
	OBS	01000	06.83	35.052	27.50		1494.9							
	OBS	01025	06.33	35.001	27.53		1493.3							
	OBS	01065	06.60	35.153	27.61		1495.2							
	OBS	01100	06.22	35.093	27.62		1494.2							
	OBS	01200	05.58	35.052	27.67		1493.3							
	OBS	01300	05.11	35.040	27.72		1493.0							
	OBS	01400	04.80	35.027	27.74		1493.4							
	OBS	01510	04.55	35.030	27.77		1494.3							

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REFID 31 8097 YEAR 1969 BOTDP 03930 AIR TEMP 15.2 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1200  
 CONSEC 0055 MONTH 05 SHIP E1 WET BULB 12.2 34 5 3 WIND-SPD 21 TRACE DIR D 5 SQUARE 4  
 LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1024.1 SEA WIND-FJR DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E26 055 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.7	OBS	00000	18.06	36.364	26.32		1518.3							
	OBS	00010	18.05	36.365	26.32		1518.4							
	OBS	00020	18.05	36.366	26.32		1518.6							
	OBS	00030	18.04	36.365	26.32		1518.7							
	OBS	00050	17.61	36.356	26.42		1517.8							
	OBS	00075	17.15	36.425	26.59		1516.9							
	OBS	00100	17.12	36.428	26.60		1517.3							
	OBS	00125	17.11	36.428	26.60		1517.6							
	OBS	00150	17.11	36.438	26.61		1518.1							
	OBS	00200	17.12	36.436	26.60		1518.9							
	OBS	00250	17.08	36.426	26.61		1519.6							
	OBS	00300	17.09	36.431	26.61		1520.5							
	OBS	00400	16.96	36.404	26.62		1521.7							
	OBS	00500	15.89	36.159	26.68		1519.8							
	OBS	00600	14.91	35.966	26.75		1518.1							
	OBS	00700	12.61	35.568	26.93		1511.8							
	OBS	00800	10.73	35.301	27.08		1506.5							
	OBS	00900	08.58	35.038	27.23		1500.0							
	OBS	01000	06.78	35.011	27.48		1494.7							
	OBS	01100	05.51	35.012	27.64		1491.3							
	OBS	01200	05.22	35.018	27.68		1491.8							
	OBS	01300	05.00	35.019	27.71		1492.6							
	OBS	01400	04.79	35.014	27.73		1493.4							
	OBS	01500	04.52	35.006	27.76		1493.9							

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TABLE VI.—Continued

REFID 31 8097 YEAR 1969 BOTOP 03930 AIR TEMP 15.4 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1206  
 CONSEC 0056 MONTH 05 SHIP EL WET BULB 11.6 32 5 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 10 DATA USE 1 BAROMETR 1025.3 SEA WIND-FUR DURATION 00.3 2 SQUARE 46  
 LONG 047 50 W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E26 056 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
05.7	08S	00000	17.94	36.361	26.35		1518.0							
	08S	00010	17.94	36.360	26.35		1518.1							
	08S	00020	17.93	36.360	26.35		1518.2							
	08S	00030	17.92	36.361	26.35		1518.4							
	08S	00050	17.22	36.414	26.56		1516.7							
	08S	00075	17.16	36.419	26.58		1517.0							
	08S	00100	17.09	36.412	26.59		1517.2							
	08S	00125	17.10	36.421	26.60		1517.6							
	08S	00150	17.11	36.431	26.60		1518.1							
	08S	00200	17.11	36.433	26.60		1516.9							
	08S	00250	17.11	36.431	26.60		1519.7							
	08S	00300	17.11	36.433	26.60		1520.5							
	08S	00400	16.82	36.366	26.62		1521.2							
	08S	00500	15.86	36.160	26.65		1519.7							
	08S	00600	14.55	35.897	26.78		1516.9							
	08S	00665	13.09	35.557	26.82		1512.8							
	08S	00700	12.61	35.605	26.96		1511.8							
	08S	00800	10.89	35.330	27.07		1507.2							
	08S	00846	9.55	35.046	27.08		1502.7							
	08S	00900	08.59	35.119	27.25		1500.1							
	08S	01000	06.71	34.955	27.44		1496.3							
	08S	01100	05.55	34.963	27.60		1491.4							
	08S	01200	05.01	34.576	27.68		1490.9							
	08S	01245	05.01	35.026	27.72		1491.7							
	08S	01300	04.84	34.993	27.71		1491.9							
	08S	01400	04.66	35.001	27.74		1492.8							
	08S	01500	04.51	35.016	27.77		1493.9							

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REFID 31 8097 YEAR 1969 BOTOP 04755 AIR TEMP 16.2 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1206  
 CONSEC 0057 MONTH 05 SHIP EL WET BULB 12.7 32 5 3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 10 DATA USE 1 BAROMETR 1025.1 SEA WIND-FUR DURATION 00.2 2 SQUARE 46  
 LONG 047 47 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E26 057 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.6	08S	00000	17.82	36.393	26.40		1517.6							
	08S	00010	17.80	36.390	26.40		1517.7							
	08S	00020	17.80	36.392	26.40		1517.9							
	08S	00030	17.79	36.392	26.41		1518.0							
	08S	00050	17.74	36.386	26.41		1518.2							
	08S	00075	17.12	36.416	26.55		1516.8							
	08S	00100	17.08	36.425	26.61		1517.1							
	08S	00125	17.06	36.426	26.61		1517.5							
	08S	00150	17.06	36.427	26.61		1517.9							
	08S	00200	17.04	36.419	26.61		1518.7							
	08S	00250	17.07	36.430	26.61		1519.6							
	08S	00300	17.03	36.425	26.62		1520.3							
	08S	00400	16.79	36.356	26.64		1521.1							
	08S	00500	15.84	36.167	26.70		1519.6							
	08S	00600	14.97	35.981	26.75		1518.4							
	08S	00700	12.61	35.584	26.90		1512.5							
	08S	00756	11.67	35.417	26.95		1509.3							

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REFID 31 8097 YEAR 1969 BOTOP 02149 AIR TEMP 17.5 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0058 MONTH 05 SHIP EL WET BULB 13.8 34 5 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 10 DATA USE 1 BAROMETR 1025.5 SEA WIND-FUR DURATION 00.3 2 SQUARE 46  
 LONG 047 51 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E26 058 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.6	08S	00000	18.27	36.424	26.31		1519.0							
	08S	00010	18.13	36.404	26.33		1518.7							
	08S	00020	18.07	36.398	26.34		1518.7							
	08S	00030	18.02	36.391	26.35		1518.7							
	08S	00050	17.71	36.465	26.48		1518.2							
	08S	00075	17.59	36.444	26.50		1518.3							
	08S	00100	17.43	36.424	26.53		1518.1							
	08S	00125	17.22	36.407	26.56		1517.9							
	08S	00150	17.20	36.415	26.57		1518.3							
	08S	00185	17.02	36.371	26.52		1518.3							
	08S	00200	17.11	36.430	26.60		1518.9							
	08S	00250	17.11	36.431	26.60		1519.7							
	08S	00300	17.01	36.399	26.60		1520.2							
	08S	00365	16.81	36.360	26.62		1520.9							
	08S	00400	16.50	36.267	26.62		1520.1							
	08S	00500	15.46	36.031	26.68		1518.3							
	08S	00600	14.38	35.859	26.75		1516.3							
	08S	00700	12.60	35.584	26.94		1511.7							
	08S	00800	10.95	35.342	27.07		1507.4							
	08S	00900	09.10	35.173	27.26		1502.1							
	08S	01000	06.42	35.012	27.46		1495.2							
	08S	01100	05.59	34.933	27.57		1491.5							
	08S	01200	05.14	34.994	27.68		1491.4							
	08S	01300	04.72	34.580	27.71		1491.4							
	08S	01400	04.59	35.003	27.75		1492.5							
	08S	01500	04.41	35.012	27.77		1493.5							

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TABLE VI.—Continued

REFID 31 8097	YEAR 1969	BOTOP 01792	AIR TEMP 16.6	DIP HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0059	MONTH 05	SHIP E1	NET BULB 14.4	34 3 4	WIND-SPD 20	TRACE DIR 0	5 SQUARE 4
LAT 35 11 N	DAY 10	DATA USE 1	BAROMETR 1027.1	SEA	WIND-FUR	DURATION 00.2	2 SQUARE 48
LONG 048 16 W	HOUR 23.6	AREA 05	CLCUD T/A	CL/T/A	WEATHER X1	CRIG E26 059	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
23.6	DBS	00000	18.05	36.377	26.33		1518.3							
	DBS	00010	18.04	36.378	26.33		1518.4							
	DBS	00020	18.00	36.378	26.34		1518.5							
	DBS	00030	17.90	36.370	26.36		1518.3							
	DBS	00050	17.54	36.374	26.45		1517.6							
	DBS	00075	17.10	36.424	26.60		1516.8							
	DBS	00100	17.10	36.429	26.60		1517.2							
	DBS	00125	17.10	36.428	26.60		1517.6							
	DBS	00150	17.08	36.429	26.61		1518.0							
	DBS	00200	17.08	36.429	26.61		1518.8							
	DBS	00219	17.08	36.430	26.61		1519.1							

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REFID 31 8097	YEAR 1969	BOTOP C1863	AIR TEMP 17.0	DIP HGT PER	WIND-DIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0060	MONTH 05	SHIP E1	NET BULB 14.6	34 3 4	WIND-SPD 07	TRACE DIR 0	5 SQUARE 4
LAT 35 04 N	DAY 11	DATA USE 1	BAROMETR 1026.3	SEA	WIND-FUR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 05.7	AREA 05	CLCUD T/A	CL/T/A	WEATHER X1	CRIG E26 060	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
05.7	DBS	00000	17.88	36.372	26.37		1517.8							
	DBS	00010	17.88	36.372	26.37		1518.0							
	DBS	00020	17.81	36.372	26.35		1517.9							
	DBS	00030	17.76	36.371	26.35		1518.0							
	DBS	00050	17.75	36.372	26.40		1518.2							
	DBS	00075	17.24	36.392	26.54		1517.2							
	DBS	00100	17.11	36.415	26.55		1517.2							
	DBS	00125	17.11	36.422	26.60		1517.6							
	DBS	00150	17.09	36.426	26.60		1518.0							
	DBS	00200	17.07	36.424	26.61		1518.8							
	DBS	00250	17.06	36.428	26.61		1519.6							
	DBS	00300	17.03	36.420	26.61		1520.3							
	DBS	00400	16.81	36.358	26.62		1521.2							
	DBS	00500	16.01	36.195	26.56		1520.2							
	DBS	00600	15.07	36.023	26.76		1518.7							
	DBS	00700	12.97	35.607	26.35		1515.0							
	DBS	00800	10.66	35.258	27.06		1506.2							
	DBS	00822	9.86	35.103	27.08		1503.5							
	DBS	00900	98.41	35.085	27.30		1499.4							
	DBS	01000	06.59	34.938	27.45		1493.8							
	DBS	01100	05.55	34.966	27.60		1491.4							
	DBS	01150	05.30	34.973	27.64		1491.2							
	DBS	01160	05.41	35.013	27.66		1491.9							
	DBS	01180	05.41	35.013	27.66		1492.2							
	DBS	01200	05.21	35.001	27.67		1491.7							
	DBS	01300	04.97	35.015	27.71		1492.4							
	DBS	01400	04.71	35.000	27.73		1493.0							
	DBS	01500	04.59	35.006	27.75		1494.2							

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TABLE VII. -Observed and interpolated oceanographic data for stations taken by USCGC HUMBOLDT at Ocean Station ECHO, 11 May 1969 - 3 June 1969, prepared from NODC listing No. 31 - 1483.

REFID 31 1483 YEAR 1969 BDTOP 03546 AIR TEMP 22.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 05 SHIP HU WET BULB 22.2 01 2 3 WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1028.1 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 15.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E27 001 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
15.9	OBS	00000	18.37	36.387	26.26		1519.2							
15.9	OBS	00025	17.83	36.380	26.39		1518.1							
15.9	OBS	00051	17.34	36.423	26.54		1517.1							
15.9	OBS	00076	17.07	36.430	26.61		1516.7							
15.9	OBS	00102	17.07	36.435	26.62		1517.2							
15.9	OBS	00152	17.07	36.435	26.64		1516.0							
15.9	OBS	00203	17.09	36.439	26.61		1518.9							
15.9	OBS	00305	17.05	36.431	26.62		1520.4							
15.9	OBS	T00410	16.88	36.393	26.63		1521.6							
15.9	OBS	T00509	15.85	36.190	26.71		1519.9							
15.9	OBS	00609	14.78	35.998	26.81		1517.9							
15.9	OBS	00811	10.26	35.327	27.18		1505.1							
15.9	OBS	T01012	06.45	35.070	27.57		1493.7							
15.9	OBS	T01517	04.38	34.996	27.76		1493.6							

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REFID 31 1483 YEAR 1969 BDTOP 03621 AIR TEMP 20.5 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 05 SHIP HU WET BULB 20.0 30 1 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1030.5 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.7 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 DRIG E27 002 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.7	OBS	00000	18.19	36.398	26.31		1518.7							
12.7	OBS	00025	17.79	36.394	26.41		1518.0							
12.7	OBS	00051	17.11	36.422	26.55		1516.5							
12.7	OBS	00076	17.07	36.425	26.61		1516.7							
12.7	OBS	00102	17.06	36.425	26.61		1517.1							
12.7	OBS	00152	17.08	36.434	26.61		1518.0							
12.7	OBS	T00205	17.08	36.427	26.61		1518.9							
12.7	OBS	00305	17.01	36.420	26.62		1520.3							
12.7	OBS	T00407	16.64	36.335	26.64		1520.8							
12.7	OBS	T00509	15.45	36.093	26.73		1518.5							
12.7	OBS	00609	14.55											
12.7	OBS	00812	10.27	35.313	27.17		1505.1							
12.7	OBS	T01011	06.46	35.085	27.58		1493.7							
12.7	OBS	01523	04.29	34.977	27.76		1493.3							

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REFID 31 1483 YEAR 1969 BDTOP 02834 AIR TEMP 18.9 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 05 SHIP HU WET BULB 16.7 36 1 3 WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 15 N DAY 13 DATA USE 1 BAROMETR 1029.8 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 DRIG E27 003 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.3	OBS	00000	18.20	36.416	26.32		1518.8							
12.3	OBS	00025	17.82	36.409	26.41		1518.1							
12.3	OBS	00051	17.44	36.440	26.53		1517.4							
12.3	OBS	00076	17.10	36.467	26.63		1516.9							
12.3	OBS	00102	17.08	36.467	26.64		1517.2							
12.3	OBS	00152	17.07	36.468	26.64		1513.0							
12.3	OBS	T00204	17.09	36.468	26.64		1518.9							
12.3	OBS	00305	16.93	36.436	26.65		1520.1							
12.3	OBS	00406	16.53	36.352	26.68		1520.4							
12.3	OBS	T00510	15.50	36.131	26.75		1518.7							
12.3	OBS	00609	14.22	35.911	26.86		1516.0							
12.3	OBS	00812	09.69	35.294	27.25		1503.0							
12.3	OBS	T01019	05.68	35.026	27.63		1490.6							
12.3	OBS	01523	04.33	35.024	27.79		1493.6							

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TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTOP 02926 AIR TEMP 19.4 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 05 SHIP HU WET BULB 18.5 18 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 12 N DAY 14 DATA USE 1 BAROMETR 1026.4 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 16.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E27 G04 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TCT P	ND2	ND3	S103	PH
16.0	D85	00000	18.30	36.436	26.31		1519.1							
16.0	D85	00025	17.67	36.434	26.47		1517.7							
16.0	D85	00050	17.19	36.390	26.55		1516.6							
16.0	D85	00075	17.16	36.448	26.60		1517.0							
16.0	D85	00100	17.08	36.467	26.64		1517.2							
16.0	D85	00146	17.06	36.465	26.64		1517.9							
16.0	D85	T00191	16.97	36.439	26.64		1518.3							
16.0	D85	00284	16.54	36.356	26.68		1516.5							
16.0	D85	T00345	15.93	36.231	26.73		1517.5							
16.0	D85	T00445	15.43	36.172	26.80		1517.5							
16.0	D85	00543	14.62	36.090	26.91		1516.4							

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REFID 31 1483 YEAR 1969 BOTDP 04266 AIR TEMP 21.7 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 05 SHIP HU WET BULB 20.0 16 1 2 WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1026.4 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E27 005 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TCT P	ND2	ND3	S103	PH
11.9	D85	00000	19.07	36.461	26.14		1521.3							
11.9	D85	00020	18.28	36.454	26.33		1519.4							
11.9	D85	00043	17.85	36.447	26.43		1518.5							
11.9	D85	00064	17.28	36.424	26.56		1517.1							
11.9	D85	00088	17.09	36.426	26.60		1517.0							
11.9	D85	00135	17.03	36.420	26.61		1517.6							
11.9	D85	T00183	16.97	36.410	26.62		1518.2							
11.9	D85	00278	16.75	36.371	26.64		1519.0							
11.9	D85	T00370	16.25	36.280	26.69		1518.9							
11.9	D85	T00463	15.73	36.180	26.73		1518.7							
11.9	D85	00550	14.50	35.942	26.82		1516.0							
11.9	D85	00725	11.31	35.474	27.11		1507.6							
11.9	D85	T00881	08.05	35.152	27.41		1497.8							
11.9	D85	01238	04.47	35.004	27.76		1489.3							

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REFID 31 1483 YEAR 1969 BOTOP 04272 AIR TEMP 20.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 05 SHIP HU WET BULB 20.0 16 3 2 WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1013.9 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 21.0 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X6 ORIG E27 006 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TCT P	ND2	ND3	S103	PH
21.0	D85	00000	18.40	36.396	26.26		1519.3							
21.0	D85	00028	18.24	36.401	26.30		1519.3							
21.0	D85	00054	17.26	36.408	26.55		1516.9							
21.0	D85	00082	17.09	36.414	26.59		1516.9							
21.0	D85	00108	17.08	36.416	26.60		1517.3							
21.0	D85	00164	17.08	36.425	26.61		1518.2							
21.0	D85	00218	17.09	36.435	26.61		1519.1							
21.0	D85	00327	16.95	36.402	26.62		1520.5							
21.0	D85	00436	16.17	36.237	26.68		1519.7							
21.0	D85	T00550	14.86	36.000	26.75		1517.2							
21.0	D85	00654	12.76	35.640	26.95		1511.6							
21.0	D85	00872	07.71	35.135	27.44		1496.3							
21.0	D85	T01093	05.56	35.053	27.67		1491.4							
21.0	D85	T01629	04.19	34.985	27.78		1494.7							

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REFID 31 1483 YEAR 1969 BOTOP 04389 AIR TEMP 16.6 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 05 SHIP HU WET BULB 11.6 32 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 17 DATA USE 1 BAROMETR 1027.4 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 13.5 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E27 007 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TCT P	ND2	ND3	S103	PH
13.5	D85	00000	17.63	36.378	26.44		1517.1							
13.5	D85	00024	17.62	36.388	26.45		1517.4							
13.5	D85	00048	17.09	36.400	26.58		1516.3							
13.5	D85	00072	17.11	36.419	26.55		1516.8							
13.5	D85	00097	17.10	36.429	26.60		1517.2							
13.5	D85	00144	17.09	36.433	26.61		1517.9							
13.5	D85	T00192	17.07	36.435	26.62		1518.6							
13.5	D85	00289	16.92	36.404	26.63		1519.7							
13.5	D85	T00385	16.11	36.221	26.68		1518.7							
13.5	D85	00481	15.42	36.107	26.75		1518.0							
13.5	D85	00575	13.66	35.770	26.87		1513.5							
13.5	D85	00758	10.00	35.295	27.20		1503.2							
13.5	D85	00939	06.22	35.011	27.55		1491.5							
13.5	D85	T01410	04.38	34.982	27.75		1491.8							

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TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTOP 04120 AIR TEMP 16.9 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 05 SHIP HU WET BULB 11.9 S 2 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1037.7 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 13.6 AREA 05 CLOUD T/A 8/1 CL/TK WEATHER XL URIG E27 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.6	08S	00000	17.57	36.402	26.47		1516.7							
13.6	08S	00025		36.402										
13.6	08S	00051	17.11	36.428	26.60		1516.4							
13.6	08S	00076	17.07	36.429	26.61		1516.7							
13.6	08S	00102	17.08	36.431	26.61		1517.2							
13.6	08S	00151	17.05	36.432	26.62		1517.9							
13.6	08S	100202	17.03	36.429	26.62		1516.7							
13.6	08S	00303	16.95	36.413	26.63		1520.1							
13.6	08S	100403	16.93	36.407	26.63		1521.7							
13.6	08S	00503	15.67	36.156	26.73		1519.2							
13.6	08S	00601	13.37	35.725	26.90		1512.9							
13.6	08S	00797	06.91	35.165	27.28		1494.7							
13.6	08S	100993	06.26	35.099	27.57		1492.6							
13.6	08S	01478	04.29	34.976	27.76		1492.6							

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REFID 31 1483 YEAR 1969 BOTOP 04718 AIR TEMP 17.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 05 SHIP HU WET BULB 14.5 S 2 3 WIND-SPD 09 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 19 DATA USE 1 BAROMETR 1039.0 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 13.7 AREA 05 CLOUD T/A 6/7 CL/TK WEATHER XL URIG E27 009 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.7	08S	00000	17.68	36.438	26.47		1517.3							
13.7	08S	00025	17.38	36.434	26.54		1516.6							
13.7	08S	00051	17.10	36.436	26.61		1516.4							
13.7	08S	00076	17.08	36.437	26.61		1516.8							
13.7	08S	00102	17.07	36.436	26.62		1517.2							
13.7	08S	00152	17.06	36.441	26.62		1518.0							
13.7	08S	100203	17.03	36.434	26.62		1516.7							
13.7	08S	00304	16.97	36.428	26.63		1520.2							
13.7	08S	100404	16.90	36.405	26.63		1521.6							
13.7	08S	100501	15.61	36.153	26.74		1518.9							
13.7	08S	00604	13.73	35.800	26.88		1514.2							
13.7	08S	00803	04.67	35.150	27.22		1506.7							
13.7	08S	101005	06.92	35.160	27.58		1495.5							
13.7	08S	01499	04.32	35.004	27.87		1493.1							
13.7	08S	101982	03.77	34.976	27.81		1498.9							
13.7	08S	102486	03.40	34.976	27.85		1506.0							
13.7	08S	02989	02.94	34.947	27.87		1512.6							
13.7	08S	03493	02.60	34.930	27.85		1519.9							
13.7	08S	03998	02.33	34.908	27.89		1527.6							
13.7	08S	104185	02.35	34.900	27.86		1531.0							
13.7	08S	04285	02.30	34.898	27.89		1532.5							

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REFID 31 1483 YEAR 1969 BOTOP 04992 AIR TEMP 19.4 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 05 SHIP HU WET BULB 16.6 S 2 3 WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 36 30 N DAY 20 DATA USE 1 BAROMETR 1036.6 SEA WIND-FUR DURATION 2 SQUARE 56  
 LONG 047 25 W HOUR 23.4 AREA 05 CLOUD T/A 8/1 CL/TK WEATHER XL URIG E27 010 1 SQUARE 67

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
23.4	08S	00000	19.55	36.522	26.06		1522.7							
23.4	08S	00025	18.40	36.483	26.32		1519.8							
23.4	08S	00051	18.20	36.516	26.46		1519.7							
23.4	08S	00076	17.45	36.433	26.52		1517.9							
23.4	08S	00102	17.20	36.396	26.55		1517.5							
23.4	08S	00152	16.95	36.377	26.60		1517.6							
23.4	08S	100204	16.91	36.390	26.62		1518.3							
23.4	08S	00305	16.58	36.321	26.64		1518.9							
23.4	08S	00406	15.49	36.098	26.73		1516.9							
23.4	08S	100509	13.83	35.790	26.85		1513.0							
23.4	08S	00609	11.62	35.479	27.05		1506.8							
23.4	08S	00812	08.06	35.135	27.35		1496.7							
23.4	08S	101020	05.31	34.985	27.65		1489.1							
23.4	08S	101525	04.17	34.972	27.77		1492.9							

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TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTOP 04864 AIR TEMP 20.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 05 SHIP HU WET BULB 17.2 06 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 33 N DAY 21 DATA USE 1 BAROMETR 1035.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER XI ORIG E27 011 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.2	085	00000	18.25	36.395	26.25		1518.9							
12.2	085	00025	17.34	36.396	26.52		1516.7							
12.2	085	00051	17.21	36.417	26.57		1516.7							
12.2	085	00076	17.09	36.425	26.60		1516.8							
12.2	085	00102	17.00	36.416	26.60		1517.2							
12.2	085	00152	17.08	36.434	26.61		1518.0							
12.2	085	00203	17.06	36.426	26.61		1518.5							
12.2	085	00305	16.44	36.304	26.66		1516.4							
12.2	085	T00405	15.42	36.090	26.74		1516.7							
12.2	085	T00510	13.40	35.724	26.85		1511.5							
12.2	085	00607	11.33	35.433	27.07		1505.7							
12.2	085	00807	06.93	35.031	27.47		1494.1							
12.2	085	T01006	05.10	35.006	27.65		1488.0							
12.2	085	T01506	04.04	34.971	27.78		1492.0							

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REFID 31 1483 YEAR 1969 BOTOP 04755 AIR TEMP 20.0 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 05 SHIP HU WET BULB 17.2 07 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 22 DATA USE 1 BAROMETR 1038.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER XI ORIG E27 012 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.3	085	00000	18.59	36.441	26.24		1519.9							
12.3	085	00025	17.34	36.428	26.54		1516.7							
12.3	085	00051	17.14	36.435	26.60		1516.5							
12.3	085	00075	17.12	36.407	26.58		1516.8							
12.3	085	00101	17.11	36.416	26.59		1517.2							
12.3	085	00150	17.08	36.405	26.59		1517.9							
12.3	085	T00200	17.07	36.399	26.59		1518.7							
12.3	085	00301	17.06	36.429	26.61		1520.4							
12.3	085	T00402	17.00	36.416	26.62		1521.9							
12.3	085	T00501	15.70	36.115	26.69		1519.2							
12.3	085	00601	14.08	35.830	26.63		1515.3							
12.3	085	00802	09.06	35.169	27.26		1500.3							
12.3	085	T01003	06.04	35.018	27.58		1491.6							
12.3	085	01511	04.32	34.971	27.75		1493.2							

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REFID 31 1483 YEAR 1969 BOTOP 01780 AIR TEMP 20.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 05 SHIP HU WET BULB 17.7 12 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 11 N DAY 24 DATA USE 1 BAROMETR 1032.8 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 40 W HOUR 13.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER XI ORIG E27 013 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.3	085	00000	18.98	36.470	26.17		1521.0							
13.3	085	00025	17.39	36.426	26.53		1516.8							
13.3	085	00050	17.20	36.441	26.59		1516.7							
13.3	085	00075	17.13	36.434	26.60		1516.9							
13.3	085	00100	17.09	36.438	26.61		1517.2							
13.3	085	00149	17.08	36.434	26.61		1516.0							
13.3	085	T00198	17.06	36.433	26.62		1518.7							
13.3	085	00301	16.98	36.423	26.63		1520.1							
13.3	085	T00402	16.64	36.335	26.64		1520.7							
13.3	085	T00497	15.08	36.032	26.77		1517.1							
13.3	085	00599	13.77	35.799	26.87		1514.2							
13.3	085	00799	09.24	35.201	27.26		1501.0							
13.3	085	T01000	06.29	35.084	27.60		1492.6							
13.3	085	T01515	04.28	35.001	27.78		1493.2							

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REFID 31 1483 YEAR 1969 BOTOP 04938 AIR TEMP 20.5 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 05 SHIP HU WET BULB 17.7 14 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER XI ORIG E27 014 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.9	085	00000	19.12	36.456	26.12		1521.4							
13.9	085	00027	17.24	36.425	26.57		1516.4							
13.9	085	00053	17.13	36.421	26.55		1516.5							
13.9	085	00080	17.07	36.425	26.61		1516.8							
13.9	085	00159	17.04	36.429	26.62		1516.0							
13.9	085	T00211	17.05	36.433	26.62		1518.9							
13.9	085	00318	16.96	36.421	26.63		1520.4							
13.9	085	T00426	16.63	36.343	26.65		1521.1							
13.9	085	T00530	14.96	36.007	26.77		1517.3							
13.9	085	00634	13.88	35.826	26.87		1515.3							
13.9	085	00854	08.75	35.152	27.30		1499.9							
13.9	085	T01066	06.06	35.100	27.64		1493.1							
13.9	085	T01620	04.22	34.996	27.78		1494.7							

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TABLE VII.—Continued

REFID 31 1483 YEAR 1969 BOTDP 03109 AIR TEMP 21.6 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 05 SHIP HU WET BULB 20.5 15 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 26 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.1 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E27 C15 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SI03	PH
12.1	OBS	00000	19.42	36.450	26.04		1522.2							
12.1	OBS	00026	17.42	36.420	26.52		1516.9							
12.1	OBS	00051	17.17	36.405	26.57		1516.6							
12.1	OBS	00077	17.14	36.413	26.58		1516.9							
12.1	OBS	00102	17.09	36.425	26.60		1517.2							
12.1	OBS	00154	17.09	36.427	26.60		1516.1							
12.1	OBS	T00205	17.07	36.431	26.61		1518.8							
12.1	OBS	00307	16.99	36.421	26.62		1520.3							
12.1	OBS	T00409	16.80	36.363	26.62		1521.3							
12.1	OBS	T00512	15.44	36.127	26.76		1516.6							
12.1	OBS	00614	13.90	35.833	26.87		1515.0							
12.1	OBS	00819	09.67	35.249	27.22		1503.0							
12.1	OBS	T01028	06.24	35.055	27.59		1493.1							
12.1	OBS	T01567	04.27	34.983	27.77		1494.0							

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REFID 31 1483 YEAR 1969 BOTDP 04370 AIR TEMP 21.6 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 05 SHIP HU WET BULB 20.5 16 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 27 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 52 W HOUR 16.7 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E27 C16 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SI03	PH
16.7	OBS	00000	19.74	36.444	25.95		1523.1							
16.7	OBS	00027	17.34	36.402	26.52		1516.7							
16.7	OBS	00053	17.18	36.409	26.57		1516.7							
16.7	OBS	00080	17.11	36.417	26.59		1516.9							
16.7	OBS	00105	17.08	36.418	26.60		1517.2							
16.7	OBS	00159	17.04	36.422	26.61		1518.0							
16.7	OBS	T00212	17.01	36.422	26.62		1518.6							
16.7	OBS	00317	16.96	36.404	26.62		1520.3							
16.7	OBS	T00425	16.53	36.311	26.65		1520.7							
16.7	OBS	T00528	15.35	36.095	26.75		1518.5							
16.7	OBS	00634	14.28	35.795	26.76		1516.5							
16.7	OBS	00847	09.59	35.196	27.28		1501.2							
16.7	OBS	T01062	06.01	35.040	27.66		1492.7							
16.7	OBS	T01614	04.20	34.977	27.77		1494.5							

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REFID 31 1483 YEAR 1969 BOTDP 04617 AIR TEMP 20.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 05 SHIP HU WET BULB 19.4 20 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 28 DATA USE 1 BAROMETR 1020.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 47 W HOUR 19.8 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X2 ORIG E27 017 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SI03	PH
19.8	OBS	00000	19.71	36.453	25.96		1523.0							
19.8	OBS	00025	17.48	36.414	26.50		1517.1							
19.8	OBS	00050	17.13	36.415	26.59		1516.5							
19.8	OBS	00076	17.12	36.412	26.59		1516.9							
19.8	OBS	00101	17.07	36.413	26.60		1517.1							
19.8	OBS	00152	17.05	36.409	26.60		1517.9							
19.8	OBS	T00202	17.05	36.416	26.61		1518.7							
19.8	OBS	00303	16.96	36.406	26.62		1520.1							
19.8	OBS	T00407	16.74	36.355	26.63		1521.1							
19.8	OBS	T00507	15.51	36.123	26.74		1518.7							
19.8	OBS	00609	14.02	35.842	26.85		1515.3							
19.8	OBS	00816	10.04	35.286	27.19		1504.3							
19.8	OBS	T01025	06.12	35.042	27.59		1492.5							
19.8	OBS	T01565	04.34	34.998	27.77		1494.3							

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REFID 31 1483 YEAR 1969 BOTDP 03865 AIR TEMP 18.6 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 05 SHIP HU WET BULB 18.1 16 3 2 WIND-SPD 28 TRACE DIR 5 SQUARE 4  
 LAT 35 12 N DAY 29 DATA USE 1 BAROMETR 1012.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 17.2 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E27 018 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SI03	PH
17.2	OBS	00000	19.45	36.436	26.02		1522.3							
17.2	OBS	00028	18.07	36.410	26.35		1516.8							
17.2	OBS	00053	17.36	36.411	26.52		1517.2							
17.2	OBS	00078	17.19	36.410	26.57		1517.1							
17.2	OBS	00104	17.18	36.411	26.57		1517.5							
17.2	OBS	00151	17.09	36.415	26.60		1518.0							
17.2	OBS	T00197	17.05	36.402	26.59		1518.6							
17.2	OBS	00277	17.06	36.435	26.62		1520.0							
17.2	OBS	00359	16.98	36.401	26.61		1521.1							
17.2	OBS	T00451	16.25	36.232	26.65		1520.2							
17.2	OBS	00548	14.51	35.923	26.81		1516.0							
17.2	OBS	00774	09.67	35.227	27.20		1502.2							
17.2	OBS	T01008	06.65	35.103	27.57		1494.4							
17.2	OBS	01601	04.25	34.986	27.77		1494.5							

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TABLE VIII.- Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 3 June 1969 - 26 June 1969, prepared from NODC listing No. 31 - 8106.

REFID 31 8106 YEAR 1969 BOTOP 02468 AIR TEMP 18.3 DIR HGT PER WIND-DIR 02 INST STO RECORDER TEN SQ 1206  
 CONSEC 0001 MONTH 06 SHIP AI WET BULB 15.0 DIR 36 1 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 04 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 03 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E26 UJ1 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	0000	19.26	36.480	26.10		1521.8							
	OBS	0010	19.25	36.481	26.11		1522.0							
	OBS	0020	19.22	36.480	26.11		1522.1							
	OBS	0030	17.87	36.367	26.38		1518.3							
	OBS	0050	17.61	36.457	26.50		1517.9							
	OBS	0075	17.32	36.440	26.57		1517.5							
	OBS	00100	17.21	36.449	26.59		1517.9							
	OBS	00125	17.19	36.449	26.60		1517.9							
	OBS	00150	17.13	36.448	26.61		1518.1							
	OBS	00200	17.06	36.441	26.62		1518.7							
	OBS	00250	17.07	36.445	26.62		1519.6							
	OBS	00300	17.09	36.456	26.63		1520.5							
	OBS	00400	17.01	36.421	26.62		1521.9							
	OBS	00500	16.72	36.367	26.65		1522.6							
	OBS	00600	15.39	36.104	26.75		1515.8							
	OBS	00700	13.06	35.712	26.95		1513.5							
	OBS	00800	10.35	35.346	27.18		1505.2							
	OBS	00900	08.59	35.180	27.34		1500.2							
	OBS	01000	06.57	35.052	27.54		1493.9							
	OBS	01038	06.50	35.073	27.57		1494.3							
	OBS	01070	05.55	35.024	27.65		1491.0							
	OBS	01100	05.39	35.035	27.68		1490.8							
	OBS	01200	04.97	35.032	27.73		1490.8							
	OBS	01300	04.67	35.043	27.75		1492.1							
	OBS	01400	04.52	35.026	27.77		1492.3							
	OBS	01500	04.37	35.030	27.79		1493.3							

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REFID 31 8106 YEAR 1969 BOTOP 04480 AIR TEMP 22.8 DIR HGT PER WIND-DIR 07 INST STO RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 06 SHIP AI WET BULB 17.2 DIR 04 2 3 WIND-SPO 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 22 W HOUR 16.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E28 002 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	0000	19.40	36.458	26.05		1522.2							
	OBS	0010	19.16	36.460	26.11		1521.7							
	OBS	0020	18.65	36.464	26.25		1520.4							
	OBS	0030	17.93	36.466	26.43		1518.5							
	OBS	0050	17.57	36.474	26.52		1517.8							
	OBS	0075	17.33	36.464	26.57		1517.5							
	OBS	00100	17.24	36.456	26.59		1517.7							
	OBS	00125	17.22	36.455	26.60		1518.0							
	OBS	00150	17.17	36.459	26.61		1518.3							
	OBS	00200	17.08	36.454	26.63		1518.8							
	OBS	00250	17.04	36.457	26.64		1519.5							
	OBS	00300	17.03	36.459	26.64		1520.3							
	OBS	00400	16.97	36.445	26.65		1521.8							
	OBS	00500	16.57	36.349	26.67		1522.1							
	OBS	00600	15.23	36.102	26.79		1519.3							
	OBS	00700	13.31	35.769	26.94		1514.4							
	OBS	00800	11.49	35.486	27.08		1509.5							
	OBS	00900	08.52	35.196	27.37		1500.0							
	OBS	01000	06.74	35.080	27.54		1494.6							
	OBS	01100	05.55	35.064	27.68		1491.5							
	OBS	01200	05.15	35.069	27.73		1491.6							
	OBS	01300	04.75	35.069	27.78		1491.6							
	OBS	01400	04.46	35.062	27.81		1492.1							
	OBS	01500	04.33	35.056	27.82		1493.2							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1965 BGTOP 02195 AIR TEMP 16.3 OIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 06 SHIP A1 WET BULB 15.0 03 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1028.0 SEA WIND-FUR DJRATON 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 12.0 AREA 05 CLOUD T/A CL/T/F WEATHER XI ORIG E2B 003 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
12.0	085	0000	19.37	36.476	26.07		1522.1							
	085	0010	19.31	36.480	26.05		1522.1							
	085	0020	18.56	36.422	26.24		1520.1							
	085	0030	17.63	36.442	26.48		1517.6							
	085	0050	17.39	36.445	26.55		1517.3							
	085	0075	17.26	36.461	26.59		1517.3							
	085	0090	17.20	36.459	26.60		1517.5							
	085	00125	17.17	36.452	26.60		1517.9							
	085	00150	17.11	36.454	26.62		1518.1							
	085	00200	17.12	36.463	26.62		1519.0							
	085	00250	17.12	36.474	26.63		1518.8							
	085	00300	17.13	36.479	26.63		1520.6							
	085	00400	17.13	36.484	26.64		1522.3							
	085	00500	16.99	36.491	26.68		1523.5							
	085	00550	16.37	36.340	26.71		1522.3							
	085	00600	15.48	36.138	26.76		1520.1							
	085	00700	13.54	35.800	26.92		1515.2							
	085	00800	11.22	35.449	27.10		1508.5							
	085	00900	08.89	35.230	27.34		1501.4							
	085	01000	06.85	35.079	27.52		1495.1							
	085	01100	05.59	35.078	27.65		1491.7							
	085	01200	05.14	35.074	27.74		1491.5							
	085	01300	04.75	35.062	27.77		1491.6							
	085	01400	04.61	35.053	27.78		1492.7							
	085	01500	04.18	35.038	27.82		1492.6							

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REFID 31 8106 YEAR 1965 BGTOP 0365B AIR TEMP 21.7 OIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 06 SHIP A1 WET BULB 17.8 04 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 05 DATA USE 1 BAROMETR 1027.0 SEA WIND-FUR DJRATON 00.4 2 SQUARE 48  
 LONG 048 13 W HOUR 17.9 AREA 05 CLOUD T/A CL/T/F WEATHER XI ORIG E2B 004 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
17.9	085	0000	19.38	36.460	26.06		1522.1							
	085	0010	19.22	36.460	26.10		1521.9							
	085	0020	19.15	36.460	26.12		1521.8							
	085	0030	18.19	36.443	26.35		1519.3							
	085	00350	17.66	36.461	26.49		1518.1							
	085	00475	17.50	36.466	26.53		1518.0							
	085	00500	17.22	36.452	26.55		1517.6							
	085	00125	17.19	36.452	26.60		1517.9							
	085	00150	17.17	36.456	26.61		1518.3							
	085	00200	17.15	36.462	26.62		1519.0							
	085	00250	17.12	36.465	26.63		1519.8							
	085	00300	17.14	36.471	26.63		1520.7							
	085	00400	17.09	36.469	26.64		1522.2							
	085	00500	16.98	36.457	26.65		1523.5							
	085	00550	16.56	36.344	26.67		1522.9							
	085	00600	15.62	36.126	26.72		1520.6							
	085	00700	13.60	35.814	26.92		1515.4							
	085	00800	11.18	35.464	27.12		1508.3							
	085	00900	09.08	35.242	27.31		1502.1							
	085	01000	07.05	35.115	27.52		1495.9							
	085	01100	05.87	35.102	27.67		1492.9							
	085	01200	04.98	35.058	27.74		1490.9							
	085	01300	04.70	35.061	27.78		1491.4							
	085	01400	04.43	35.061	27.81		1492.0							
	085	01500	04.26	35.050	27.82		1492.9							

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TABLE VIII.—Continued

REFID 31 PLO6 YEAR 1969 BOTOP 03109 AIR TEMP 20.0 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 06 SHIP A1 WET BULB 17.6 07 2 4 WIND-SPO 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1028.0 SEA DURATION 00.5 2 SQUARE 48  
 LONG 048 12 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 005 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	U1X1G	P04	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	19.35	36.449	26.06		1522.0							
	OBS	00010	19.16	36.454	26.11		1521.7							
	OBS	00020	18.11	36.422	26.55		1518.8							
	OBS	00030	17.62	36.424	26.47		1517.6							
	OBS	00050	17.46	36.438	26.52		1517.5							
	OBS	00075	17.33	36.437	26.55		1517.5							
	OBS	00100	17.22	36.426	26.57		1517.6							
	OBS	00125	17.19	36.429	26.58		1517.9							
	OBS	00150	17.18	36.437	26.55		1518.3							
	OBS	00200	17.16	36.445	26.60		1519.1							
	OBS	00250	17.14	36.456	26.61		1519.8							
	OBS	00300	17.13	36.461	26.62		1520.6							
	OBS	00400	17.10	36.465	26.63		1522.2							
	OBS	00500	16.90	36.435	26.66		1523.2							
	OBS	00600	15.58	36.164	26.76		1520.5							
	OBS	00650	14.80	36.047	26.84		1518.7							
	OBS	00700	13.70	35.611	26.85		1515.7							
	OBS	00800	10.65	35.397	27.16		1506.5							
	OBS	00900	08.59	35.208	27.57		1500.2							
	OBS	01000	06.96	35.093	27.52		1495.5							
	OBS	01020	06.46	35.077	27.57		1493.8							
	OBS	01094	06.14	35.152	27.68		1492.9							
	OBS	01100	05.62	35.082	27.69		1491.8							
	OBS	01200	04.96	35.062	27.75		1490.8							
	OBS	01300	04.66	35.050	27.78		1491.2							
	OBS	01400	04.39	35.045	27.80		1491.8							
	OBS	01500	04.28	35.040	27.81		1493.0							

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REFID 31 PLO6 YEAR 1969 BOTOP 04480 AIR TEMP 24.4 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 06 SHIP A1 WET BULB 20.6 09 1 2 WIND-SPO 06 TRACE DIR 0 4 SQUARE 4  
 LAT 35 03 N DAY 06 DATA USE 1 BAROMETR 1027.0 SEA DURATION 00.4 2 SQUARE 48  
 LONG 048 15 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	U1X1G	P04	TOT P	NO2	NO3	SI03	PH
18.2	OBS	00000	19.46	36.456	26.03		1522.4							
	OBS	00010	19.21	36.459	26.10		1521.8							
	OBS	00020	19.19	36.461	26.11		1521.7							
	OBS	00030	18.60	36.416	26.22		1520.4							
	OBS	00050	17.94	36.446	26.41		1518.9							
	OBS	00075	17.41	36.450	26.54		1517.7							
	OBS	00100	17.29	36.447	26.57		1517.8							
	OBS	00125	17.23	36.443	26.58		1518.0							
	OBS	00150	17.20	36.443	26.55		1518.5							
	OBS	00200	17.18	36.448	26.60		1519.1							
	OBS	00250	17.14	36.457	26.62		1519.8							
	OBS	00300	17.16	36.462	26.61		1520.7							
	OBS	00400	17.05	36.452	26.63		1522.0							
	OBS	00500	17.00	36.456	26.65		1523.5							
	OBS	00600	15.70	36.133	26.70		1520.8							
	OBS	00700	13.57	35.782	26.90		1515.2							
	OBS	00800	11.20	35.443	27.10		1508.4							
	OBS	00900	09.38	35.257	27.28		1503.3							
	OBS	00950	08.15	35.164	27.40		1499.4							
	OBS	00980	07.47	35.115	27.46		1497.2							
	OBS	01000	07.37	35.143	27.50		1497.7							
	OBS	01010	07.36	35.140	27.50		1497.3							
	OBS	01070	05.96	35.050	27.62		1492.7							
	OBS	01100	05.88	35.073	27.65		1492.9							
	OBS	01200	05.03	35.046	27.73		1491.0							
	OBS	01300	04.64	35.043	27.77		1491.1							
	OBS	01400	04.42	35.049	27.80		1491.9							
	OBS	01500	04.26	35.040	27.81		1492.9							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BCTDP 01260 AIR TEMP 19.4 DIR HGT PER WIND-DIR 10 INST STO RECORDER TEN SQ L206  
 CENSEC 0007 MONTH 06 SHIP A1 MET BULB 17.2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N LAY 07 DATA USE 1 BAROMETR 1027.0 SEA 2 SQUAKE 4b  
 LONG 048 06 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER 11 DRIG E28 007 1 SQUARE 5a

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OCYDPTH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SIO3	PH
12.0	URS	00000	19.44	36.473	26.05		1522.3							
	UBS	00010	19.23	36.477	26.11		1521.9							
	UBS	00020	19.15	36.476	26.13		1521.9							
	UBS	00030	17.74	36.416	26.44		1517.9							
	UBS	00050	17.26	36.448	26.52		1516.9							
	UBS	00075	17.19	36.453	26.60		1517.1							
	UBS	00100	17.16	36.452	26.61		1517.4							
	UBS	00125	17.11	36.456	26.62		1517.7							
	UBS	00150	17.13	36.460	26.62		1518.2							
	UBS	00200	17.10	36.468	26.63		1518.9							
	UBS	00250	17.10	36.475	26.64		1519.7							
	UBS	00300	17.12	36.480	26.64		1520.0							
	UBS	00400	17.07	36.484	26.65		1522.1							
	UBS	00500	16.91	36.486	26.65		1523.3							
	UBS	00550	16.07	36.314	26.76		1521.4							
	UBS	00600	15.22	36.115	26.80		1519.3							
	UBS	00700	13.31	35.762	26.94		1514.4							
	UBS	00750	12.56	35.683	27.03		1512.6							
	UBS	00800	11.00	35.455	27.15		1507.7							
	UBS	00900	08.57	35.168	27.34		1500.1							
	UBS	01000	07.25	35.124	27.50		1496.7							
	UBS	01100	05.72	35.075	27.67		1492.2							
	UBS	01200	05.15	35.070	27.73		1491.6							

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REFID 31 8106 YEAR 1969 BCTDP 03566 AIR TEMP 22.6 DIR HGT PER WIND-DIR 10 INST STO RECORDER TEN SQ L206  
 CENSEC 0008 MONTH 06 SHIP A1 MET BULB 20.0 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 07 DATA USE 1 BAROMETR 1026.8 SEA 2 SQUAKE 4b  
 LONG 048 13 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER 12 DRIG E28 008 1 SQUARE 5a

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OCYDPTH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SIO3	PH
18.1	URS	00000	19.44	36.484	26.06		1522.3							
	UBS	00010	19.06	36.477	26.15		1521.4							
	UBS	00020	18.04	36.445	26.35		1518.7							
	UBS	00030	17.38	36.460	26.56		1516.9							
	UBS	00050	17.26	36.460	26.59		1516.9							
	UBS	00075	17.21	36.468	26.61		1517.2							
	UBS	00100	17.12	36.457	26.62		1517.3							
	UBS	00125	17.11	36.459	26.62		1517.7							
	UBS	00150	17.08	36.462	26.63		1518.0							
	UBS	00200	17.14	36.486	26.64		1519.0							
	UBS	00250	17.16	36.480	26.64		1519.9							
	UBS	00300	17.16	36.492	26.64		1520.7							
	UBS	00400	17.16	36.494	26.65		1522.3							
	UBS	00500	17.00	36.472	26.65		1523.5							
	UBS	00550	16.62	36.358	26.66		1523.1							
	UBS	00600	15.67	36.200	26.72		1521.4							
	UBS	00700	13.82	35.847	26.90		1516.1							
	UBS	00800	11.68	35.477	27.04		1510.1							
	UBS	00850	10.02	35.335	27.23		1504.9							
	UBS	00900	09.15	35.238	27.30		1502.4							
	UBS	01000	08.93	35.102	27.53		1499.4							
	UBS	01045	08.60	35.044	27.53		1494.6							
	UBS	01100	05.55	35.058	27.68		1491.5							
	UBS	01200	05.07	35.078	27.75		1491.3							
	UBS	01300	04.77	35.065	27.77		1491.7							
	UBS	01400	04.52	35.061	27.80		1492.3							
	UBS	01500	04.31	35.059	27.82		1493.1							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTOP 04206 AIR TEMP 21.7 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP A1 WET BULB 20.0 14 1 3 WIND-SPD 11 TRALE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 08 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR 00.4 2 SQUARE 48  
 LGNG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER A1 GRIB E26 009 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PU4	TOT P	NO2	NO3	SIJ3	PH
12.0	OBS	00000	19.47	36.454	26.03		1522.4							
	OBS	00010	19.40	36.455	26.05		1522.4							
	OBS	00020	19.29	36.456	26.06		1522.2							
	OBS	00030	18.96	36.425	26.14		1521.4							
	OBS	00050	17.64	36.416	26.46		1518.0							
	OBS	00075	17.34	36.432	26.55		1517.5							
	OBS	00100	17.22	36.422	26.57		1517.6							
	OBS	00125	17.20	36.422	26.57		1517.9							
	OBS	00150	17.14	36.422	26.55		1518.1							
	OBS	00200	17.09	36.424	26.60		1518.8							
	OBS	00250	17.08	36.427	26.61		1518.6							
	OBS	00300	17.09	36.425	26.61		1520.5							
	OBS	00400	16.99	36.397	26.61		1521.8							
	OBS	00500	16.27	36.292	26.66		1521.1							
	OBS	00600	15.09	36.036	26.77		1518.8							
	OBS	00650	14.71	35.974	26.80		1518.3							
	OBS	00700	13.37	35.721	26.85		1514.5							
	OBS	00750	12.52	35.601	26.97		1512.3							
	OBS	00800	11.05	35.405	27.10		1507.4							
	OBS	00850	9.47	35.287	27.20		1504.6							
	OBS	00900	8.95	35.163	27.27		1501.5							
	OBS	01000	8.93	35.052	27.46		1495.3							
	OBS	01100	8.39	35.163	27.65		1495.0							
	OBS	01150	8.13	35.128	27.66		1494.8							
	OBS	01200	6.43	35.040	27.69		1492.3							
	OBS	01300	4.91	35.035	27.73		1492.2							
	OBS	01400	4.54	35.020	27.76		1492.4							
	OBS	01500	4.38	35.015	27.76		1493.4							

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REFID 31 8106 YEAR 1969 BOTOP 03383 AIR TEMP 23.9 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 06 SHIP A1 WET BULB 21.1 14 1 3 WIND-SPD 08 TRALE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 08 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER A1 ORIG E26 010 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PU4	TOT P	NO2	NO3	SIJ3	PH
18.0	OBS	00000	20.02	36.442	25.87		1523.4							
	OBS	00010	19.40	36.460	26.05		1522.4							
	OBS	00020	18.63	36.441	26.23		1520.3							
	OBS	00030	17.82	36.441	26.44		1518.2							
	OBS	00050	17.46	36.442	26.53		1517.5							
	OBS	00075	17.34	36.440	26.55		1517.5							
	OBS	00100	17.22	36.425	26.57		1517.6							
	OBS	00125	17.21	36.436	26.58		1518.0							
	OBS	00150	17.15	36.426	26.59		1518.2							
	OBS	00200	17.12	36.444	26.61		1518.9							
	OBS	00250	17.10	36.449	26.62		1519.7							
	OBS	00300	17.10	36.450	26.62		1520.5							
	OBS	00400	17.11	36.449	26.62		1522.2							
	OBS	00500	16.78	36.353	26.62		1522.7							
	OBS	00600	15.55	36.095	26.71		1520.3							
	OBS	00700	14.04	35.809	26.82		1516.8							
	OBS	00800	12.00	35.470	26.97		1511.2							
	OBS	00850	10.78	35.328	27.09		1507.6							
	OBS	00900	9.15	35.205	27.27		1502.3							
	OBS	00950	8.45	35.149	27.34		1500.5							
	OBS	00980	7.57	35.110	27.38		1499.1							
	OBS	01000	7.39	35.093	27.46		1497.2							
	OBS	01100	6.94	35.034	27.61		1493.0							
	OBS	01200	6.17	35.030	27.70		1491.6							
	OBS	01300	5.02	35.032	27.72		1492.7							
	OBS	01400	4.66	35.027	27.76		1492.4							
	OBS	01500	4.38	35.014	27.78		1493.4							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTOP 05303 AIR TEMP 22.8 DIR HGT PER WIND-DIR 13 INST STD RECCORR TEN SW 1200  
 CONSEC 0011 MONTH 06 SHIP A1 WET BULB 20.0 16 1 3 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 09 DATA USE 1 BAROMETR 1023.0 SEA WIND-FUR ORIENTATION 00.4 2 SQUARE 40  
 LONG 047 55 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 011 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	BYNPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
12.0	0BS	00000	19.94	36.471	25.52		1523.7							
	0BS	00010	19.52	36.454	26.01		1522.7							
	0BS	00020	19.34	36.454	26.06		1522.4							
	0BS	00030	18.82	36.394	26.15		1521.0							
	0BS	00050	17.63	36.453	26.45		1518.0							
	0BS	00075	17.28	36.446	26.57		1517.4							
	0BS	00100	17.21	36.436	26.58		1517.5							
	0BS	00125	17.15	36.437	26.60		1517.6							
	0BS	00150	17.12	36.438	26.61		1516.1							
	0BS	00200	17.17	36.458	26.61		1519.1							
	0BS	00250	17.17	36.459	26.61		1519.9							
	0BS	00300	17.17	36.460	26.61		1520.7							
	0BS	00400	17.09	36.458	26.63		1522.1							
	0BS	00500	16.81	36.378	26.63		1522.9							
	0BS	00550	16.30	36.216	26.63		1521.9							
	0BS	00600	14.98	36.017	26.76		1518.9							
	0BS	00650	14.41	35.935	26.84		1517.3							
	0BS	00700	13.98	35.772	26.69		1515.3							
	0BS	00750	12.38	35.578	26.98		1511.8							
	0BS	00800	11.04	35.420	27.11		1507.8							
	0BS	00900	08.73	35.195	27.33		1500.8							
	0BS	01000	06.82	35.066	27.52		1494.9							
	0BS	01050	06.31	35.059	27.56		1493.7							
	0BS	01060	06.39	35.128	27.62		1494.3							
	0BS	01075	06.34	35.114	27.62		1494.3							
	0BS	01100	05.94	35.080	27.64		1493.1							
	0BS	01125	05.95	35.061	27.64		1493.6							
	0BS	01130	05.77	35.102	27.68		1493.0							
	0BS	01150	05.92	35.158	27.71		1494.0							
	0BS	01200	05.74	35.145	27.72		1494.1							
	0BS	01300	04.90	35.039	27.74		1492.2							
	0BS	01400	04.72	35.040	27.76		1493.1							
	0BS	01500	04.53	35.043	27.78		1494.0							

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REFID 31 8106 YEAR 1969 BOTOP 04297 AIR TEMP 22.8 DIR HGT PER WIND-DIR 13 INST STD RECCORR TEN SW 1200  
 CONSEC 0012 MONTH 06 SHIP A1 WET BULB 20.6 18 1 3 WIND-SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 09 DATA USE 1 BAROMETR 1022.0 SEA WIND-FUR ORIENTATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 012 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	BYNPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
18.1	0BS	00000	20.24	36.420	25.60		1524.4							
	0BS	00010	19.86	36.425	25.90		1523.6							
	0BS	00020	19.25	36.406	26.05		1522.0							
	0BS	00030	18.22	36.423	26.32		1519.3							
	0BS	00050	17.62	36.432	26.48		1517.9							
	0BS	00075	17.44	36.443	26.53		1517.8							
	0BS	00100	17.40	36.443	26.54		1516.1							
	0BS	00125	17.25	36.426	26.57		1516.1							
	0BS	00150	17.21	36.425	26.57		1516.4							
	0BS	00200	17.19	36.430	26.58		1517.1							
	0BS	00250	17.19	36.445	26.59		1520.0							
	0BS	00300	17.20	36.450	26.60		1520.8							
	0BS	00400	17.13	36.451	26.61		1522.3							
	0BS	00500	16.80	36.375	26.63		1522.8							
	0BS	00600	15.24	36.056	26.75		1519.3							
	0BS	00700	13.48	35.740	26.65		1514.9							
	0BS	00750	12.39	35.602	27.00		1511.9							
	0BS	00800	10.58	35.344	27.14		1506.1							
	0BS	00900	08.82	35.161	27.25		1501.1							
	0BS	01000	06.82	35.050	27.50		1495.0							
	0BS	01100	06.40	35.151	27.64		1495.0							
	0BS	01120	06.23	35.145	27.64		1495.1							
	0BS	01200	05.35	35.036	27.68		1492.3							
	0BS	01300	04.86	35.015	27.72		1492.0							
	0BS	01400	04.76	35.017	27.72		1493.0							
	0BS	01500	04.50	35.023	27.77		1493.9							

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TABLE VIII.—Continued

REF ID	31	8106	YEAR	1969	BOTOP	04866	AIR TEMP	23.9	OIR	HGT	PER	WIND-OIR	23	INST	STJ	RECORER	TEN	SQ	1206
CONSEC		0013	MONTH	06	SHIP	A1	WET BULB	20.6	24	0	3	WIND-SPD	08	TRACE	OIR	0	5	SQUARE	2
LAT	34	50	N	OAY	15	DATA USE	1	BAROMETR	1025.0	SEA		WIND-FDR		DURATION	03.4	2	SQUARE	48	
LONG	048	00	W	HOUR	19.7	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	ORIG	E28	013	1	SQUARE	48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
19.7	OBS	00000	22.36	36.753	25.47		1530.4							
	OBS	00010	21.54	36.761	25.70		1528.4							
	OBS	00020	21.28	36.752	25.77		1527.9							
	OBS	00030	21.22	36.752	25.78		1527.9							
	OBS	00050	19.99	36.511	25.93		1524.7							
	OBS	00075	18.37	36.454	26.31		1520.5							
	OBS	00100	18.25	36.557	26.42		1520.7							
	OBS	00125	17.97	36.516	26.46		1520.3							
	OBS	00150	17.61	36.475	26.51		1519.6							
	OBS	00200	17.23	36.396	26.55		1519.2							
	OBS	00250	16.96	36.354	26.58		1519.2							
	OBS	00300	16.80	36.342	26.61		1519.5							
	OBS	00350	16.64	36.326	26.63		1519.8							
	OBS	00400	16.35	36.286	26.67		1519.7							
	OBS	00500	15.66	36.152	26.73		1519.1							
	OBS	00550	14.62	35.948	26.80		1516.4							
	OBS	00600	13.83	35.623	26.89		1514.5							
	OBS	00650	13.19	35.713	26.92		1513.1							
	OBS	00700	12.16	35.577	27.07		1510.2							
	OBS	00724	11.86	35.543	27.06		1509.6							
	OBS	00750	10.90	35.389	27.12		1508.4							
	OBS	00800	10.05	35.351	27.22		1504.2							
	OBS	00850	09.49	35.340	27.32		1502.9							
	OBS	00900	08.42	35.235	27.41		1494.6							
	OBS	00914	07.85	35.116	27.41		1497.6							
	OBS	00926	08.17	35.256	27.47		1494.2							
	OBS	01000	07.35	35.184	27.53		1497.1							
	OBS	01100	06.68	35.212	27.61		1496.1							
	OBS	01130	06.57	35.232	27.68		1496.3							
	OBS	01150	05.72	35.080	27.67		1494.1							
	OBS	01200	05.43	35.054	27.72		1492.7							
	OBS	01300	05.32	35.120	27.75		1494.0							
	OBS	01400	04.71	35.081	27.75		1492.1							
	OBS	01500	04.26	35.032	27.80		1493.0							

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REF ID	31	8106	YEAR	1969	BOTOP	04389	AIR TEMP	21.7	OIR	HGT	PER	WIND-OIR	27	INST	STJ	RECORER	TEN	SQ	1206
CONSEC		0014	MONTH	06	SHIP	A1	WET BULB	18.9	25	0	2	WIND-SPD	07	TRACE	OIR	0	5	SQUARE	2
LAT	34	57	N	LAY	16	DATA USE	1	BAROMETR	1026.0	SEA		WIND-FDR		DURATION	00.5	2	SQUARE	46	
LONG	047	56	W	HOUR	12.0	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	ORIG	E26	014	1	SQUARE	47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.0	OBS	00000	21.89	36.656	25.53		1529.1							
	OBS	00010	21.68	36.664	25.59		1528.7							
	OBS	00020	21.33	36.700	25.71		1528.0							
	OBS	00030	21.30	36.730	25.75		1528.1							
	OBS	00050	19.24	36.470	26.10		1522.6							
	OBS	00075	18.43	36.408	26.26		1520.6							
	OBS	00100	17.35	36.410	26.53		1517.9							
	OBS	00125	16.95	36.335	26.57		1517.1							
	OBS	00150	17.10	36.422	26.60		1518.0							
	OBS	00200	17.12	36.439	26.61		1518.9							
	OBS	00250	17.05	36.440	26.62		1519.5							
	OBS	00300	17.03	36.431	26.62		1520.3							
	OBS	00400	16.59	36.328	26.65		1520.5							
	OBS	00500	15.70	36.164	26.73		1519.2							
	OBS	00600	14.57	35.934	26.80		1517.0							
	OBS	00700	12.88	35.651	26.94		1512.8							
	OBS	00800	10.78	35.406	27.15		1506.9							
	OBS	00820	10.06	35.244	27.15		1504.4							
	OBS	00900	08.89	35.248	27.35		1501.4							
	OBS	00950	07.80	35.135	27.43		1498.0							
	OBS	00990	07.55	35.170	27.49		1497.7							
	OBS	01000	07.07	35.100	27.51		1495.9							
	OBS	01020	07.16	35.204	27.58		1496.8							
	OBS	01060	06.56	35.134	27.61		1495.0							
	OBS	01100	06.24	35.109	27.63		1494.3							
	OBS	01200	05.17	35.006	27.68		1491.6							
	OBS	01300	04.92	35.012	27.72		1492.2							
	OBS	01400	04.67	35.010	27.74		1492.9							
	OBS	01500	04.49	35.007	27.76		1493.8							

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TABLE VIII.—Continued

REFID 31 8106 YEAF 1964 BOTDP 04755 AIR TEMP 26.7 DIR FWT PER WIND-DIR 45 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 06 SHIP AI WET BULB 21.7 1E J 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 16 DATA USE 1 BAROMETR 1025.0 SEA WIND-FUR 00.5 DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 12.4 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG E28 015 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SPD VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.4	DBS	00000	21.42	36.705	25.41		1500.5							
	DBS	00010	21.41	36.703	25.44		1526.6							
	DBS	00020	21.22	36.636	25.70		1527.6							
	DBS	00030	20.24	36.531	25.68		1525.1							
	DBS	00040	19.12	36.467	26.13		1521.2							
	DBS	00075	17.83	36.478	26.46		1519.0							
	DBS	00100	17.39	36.460	26.56		1518.1							
	DBS	00125	17.22	36.463	26.60		1518.0							
	DBS	00150	17.13	36.469	26.63		1518.2							
	DBS	00200	17.14	36.492	26.64		1519.0							
	DBS	00250	17.08	36.493	26.66		1519.7							
	DBS	00300	17.03	36.483	26.66		1520.4							
	DBS	00400	16.69	36.408	26.65		1520.9							
	DBS	00500	15.75	36.220	26.76		1519.4							
	DBS	00600	14.92	36.058	26.82		1518.3							
	DBS	00700	12.60	35.649	26.95		1511.8							
	DBS	00800	10.36	35.412	27.23		1505.4							
	DBS	00900	08.33	35.210	27.41		1499.3							
	DBS	00930	08.23	35.292	27.45		1499.5							
	DBS	01000	07.33	35.212	27.56		1497.1							
	DBS	01060	06.84	35.202	27.62		1496.2							
	DBS	01100	06.74	35.253	27.67		1496.5							
	DBS	01170	05.65	35.108	27.70		1493.2							
	DBS	01200	05.12	35.063	27.73		1491.4							
	DBS	01300	04.67	35.090	27.78		1492.1							
	DBS	01400	04.60	35.074	27.80		1492.7							
	DBS	01500	04.36	35.062	27.82		1493.3							

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REFID 31 8106 YEAF 1964 BOTDP 03292 AIR TEMP 26.1 DIR FWT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 06 SHIP AI WET BULB 22.8 1E O 3 WIND-SPD 01 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1025.7 SEA WIND-FUR 00.5 DURATION 00.5 2 SQUARE 48  
 LONG 048 09 W HOUR 12.5 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG E28 016 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SPD VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	DBS	00000	21.80	36.543	25.46		1526.7							
	DBS	00010	21.14	36.572	25.67		1527.2							
	DBS	00020	20.56	36.570	25.83		1525.8							
	DBS	00030	20.05	36.551	25.95		1524.6							
	DBS	00050	18.64	36.547	26.31		1521.0							
	DBS	00075	18.18	36.588	26.46		1520.1							
	DBS	00100	17.65	36.490	26.52		1518.9							
	DBS	00125	17.40	36.473	26.56		1518.0							
	DBS	00150	17.13	36.434	26.60		1518.1							
	DBS	00185	16.95	36.398	26.62		1518.1							
	DBS	00200	17.11	36.463	26.63		1518.9							
	DBS	00250	17.05	36.463	26.64		1519.6							
	DBS	00300	17.05	36.473	26.65		1520.4							
	DBS	00400	16.95	36.461	26.66		1521.7							
	DBS	00500	16.38	36.312	26.65		1521.5							
	DBS	00600	14.76	35.998	26.81		1517.7							
	DBS	00700	13.11	35.732	26.96		1513.0							
	DBS	00730	12.67	35.683	27.01		1512.6							
	DBS	00800	11.16	35.465	27.13		1506.3							
	DBS	00900	08.55	35.166	27.34		1500.0							
	DBS	01000	06.77	35.078	27.53		1494.7							
	DBS	01035	06.31	35.070	27.55		1493.5							
	DBS	01040	06.44	35.040	27.59		1494.1							
	DBS	01100	05.92	35.077	27.64		1493.0							
	DBS	01200	05.17	35.053	27.72		1491.6							
	DBS	01300	04.76	35.042	27.76		1491.6							
	DBS	01400	04.48	35.032	27.78		1492.1							
	DBS	01500	04.26	35.027	27.80		1492.9							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTOP 02926	AIR TEMP 27.8	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0017	MONTH 06	SHIP A1	WET BULB 23.9	20 0 3	WIND-SPO 04	TRACE DIR 0	5 SQUARE 4
LAT 35 06 N	OAY 17	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FUR	DURATION 00.6	2 SQUARE 48
LONG 048 12 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 017	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.2	085	00000	21.99	36.502	25.38		1529.1							
	085	00010	19.89	36.412	25.89		1523.7							
	085	00020	19.04	36.423	26.12		1521.5							
	085	00030	18.04	36.438	26.38		1518.8							
	085	00050	17.62	36.476	26.51		1518.0							
	085	00075	17.35	36.453	26.56		1517.6							
	085	00100	17.23	36.454	26.55		1517.6							
	085	00125	17.19	36.452	26.60		1517.9							
	085	00150	17.17	36.453	26.61		1518.3							
	085	00200	17.11	36.457	26.62		1518.9							
	085	00250	17.10	36.463	26.63		1519.7							
	085	00300	17.08	36.469	26.64		1520.5							
	085	00400	17.00	36.464	26.65		1521.9							
	085	00500	16.18	36.272	26.70		1520.8							
	085	00600	14.81	36.000	26.80		1517.9							
	085	00700	13.28	35.719	26.91		1514.2							
	085	00800	10.80	35.401	27.14		1506.9							
	085	00900	08.43	35.172	27.36		1499.6							
	085	01000	06.59	35.078	27.56		1494.0							
	085	01100	05.61	35.074	27.68		1491.8							
	085	01200	04.97	35.041	27.73		1490.8							
	085	01300	04.74	35.047	27.76		1491.5							
	085	01400	04.54	35.048	27.75		1492.4							
	085	01500	04.33	35.036	27.80		1493.2							

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REFID 31 8106	YEAR 1969	BOTOP 04572	AIR TEMP 24.4	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 06	SHIP A1	WET BULB 21.7	14 0 3	WIND-SPO 05	TRACE DIR 0	5 SQUARE 2
LAT 34 54 N	DAY 18	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 46
LONG 047 53 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E28 018	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	085	00000	22.84	36.691	25.28		1531.5							
	085	00010	22.02	36.647	25.48		1527.6							
	085	00020	21.04	36.557	25.65		1527.1							
	085	00030	20.04	36.527	25.93		1524.5							
	085	00050	18.82	36.516	26.24		1521.5							
	085	00075	18.19	36.520	26.41		1520.1							
	085	00100	18.03	36.543	26.46		1520.1							
	085	00125	17.80	36.521	26.50		1519.8							
	085	00150	17.65	36.505	26.53		1519.7							
	085	00200	17.38	36.452	26.55		1519.7							
	085	00250	17.14	36.430	26.59		1519.8							
	085	00300	17.01	36.420	26.62		1520.2							
	085	00350	17.01	36.440	26.63		1521.1							
	085	00400	16.79	36.391	26.65		1521.2							
	085	00500	15.26	36.154	26.82		1517.8							
	085	00600	13.99	35.890	26.85		1515.1							
	085	00700	12.01	35.629	27.05		1509.8							
	085	00800	09.99	35.393	27.28		1504.0							
	085	00900	08.52	35.170	27.35		1499.9							
	085	00915	08.15	35.165	27.40		1498.8							
	085	00925	08.28	35.265	27.46		1499.6							
	085	01000	07.42	35.212	27.55		1497.5							
	085	01100	06.79	35.227	27.65		1496.7							
	085	01130	06.37	35.180	27.67		1495.5							
	085	01200	05.67	35.112	27.70		1493.7							
	085	01300	05.09	35.055	27.73		1493.0							
	085	01400	04.75	35.042	27.76		1493.2							
	085	01500	04.44	35.028	27.78		1493.6							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BCTDP 04972 AIR TEMP 26.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 06 SHIP A1 WFT BULB 22.2 15 0 3 WIND-SFC 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 18 DATA USE 1 BAROMETR 1025.0 SEA DURATION 00.5 2 SQUARE 46  
 LONG 047 40 W HOUR 18.2 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG E2R 019 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	HYDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI-3	PH
18.2	06S	00000	23.19	36.745	25.22		1532.4							
	06S	00010	21.58	36.727	25.67		1528.5							
	06S	00020	21.42	36.720	25.71		1528.5							
	06S	00030	20.54	36.666	25.91		1526.0							
	06S	00050	19.00	36.509	26.15		1522.0							
	06S	00075	18.35	36.581	26.41		1520.6							
	06S	00100	18.02	36.554	26.47		1520.1							
	06S	00125	17.93	36.546	26.50		1520.1							
	06S	00150	17.76	36.530	26.52		1520.1							
	06S	00200	17.41	36.473	26.56		1519.8							
	06S	00250	17.19	36.453	26.60		1520.0							
	06S	00300	17.03	36.445	26.63		1520.3							
	06S	00400	16.41	36.321	26.68		1517.9							
	06S	00500	15.38	36.115	26.76		1518.2							
	06S	00600	13.99	35.896	26.90		1515.1							
	06S	00700	12.37	35.629	27.02		1511.0							
	06S	00800	10.13	35.368	27.24		1504.5							
	06S	00848	08.94	35.293	27.37		1501.0							
	06S	00890	08.38	35.232	27.42		1499.3							
	06S	00900	08.49	35.244	27.45		1500.0							
	06S	01000	07.42	35.250	27.53		1497.5							
	06S	01060	06.99	35.244	27.63		1495.8							
	06S	01088	06.34	35.162	27.66		1494.6							
	06S	01100	06.58	35.227	27.68		1495.9							
	06S	01130	06.38	35.238	27.71		1495.6							
	06S	01200	05.66	35.155	27.74		1493.8							
	06S	01245	05.18	35.106	27.76		1492.5							
	06S	01275	05.35	35.150	27.77		1493.7							
	06S	01300	05.06	35.117	27.78		1492.9							
	06S	01400	04.68	35.087	27.80		1493.0							
	06S	01500	04.27	35.070	27.82		1493.4							

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REFID 31 8106 YEAR 1969 BCTDP 03506 AIR TEMP 29.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 06 SHIP A1 WFT BULB 22.2 15 1 4 WIND-SFC 11 TRACE DIR 0 5 SQUARE 46  
 LAT 35 03 N DAY 15 DATA USE 1 BAROMETR 1026.0 SEA DURATION 00.5 2 SQUARE 46  
 LONG 047 40 W HOUR 12.0 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG E2C 020 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	HYDPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI-3	PH
12.0	06S	00000	22.72	36.745	25.56		1531.3							
	06S	00010	22.06	36.701	25.51		1529.7							
	06S	00020	21.34	36.654	25.68		1526.0							
	06S	00030	20.24	36.572	25.91		1523.1							
	06S	00050	17.92	36.556	25.95		1524.6							
	06S	00075	16.25	36.569	26.42		1520.4							
	06S	00100	18.06	36.555	26.46		1520.2							
	06S	00125	17.83	36.524	26.50		1519.9							
	06S	00150	17.63	36.474	26.52		1519.7							
	06S	00200	17.43	36.466	26.56		1519.4							
	06S	00250	17.10	36.410	26.59		1519.6							
	06S	00300	16.98	36.403	26.61		1520.1							
	06S	00400	14.51	36.329	26.67		1520.2							
	06S	00500	15.52	36.135	26.75		1516.6							
	06S	00517	15.61	36.234	26.80		1517.5							
	06S	00600	14.32	36.251	26.87		1513.2							
	06S	00700	12.57	35.662	27.01		1511.7							
	06S	00800	10.36	35.375	27.20		1505.3							
	06S	00850	09.18	35.266	27.23		1501.7							
	06S	00900	08.57	35.210	27.47		1500.2							
	06S	01000	07.71	35.263	27.56		1498.7							
	06S	01055	06.99	35.235	27.63		1496.7							
	06S	01100	06.40	35.260	27.56		1497.2							
	06S	01125	06.28	35.174	27.67		1495.0							
	06S	01150	06.41	35.225	27.70		1496.0							
	06S	01200	05.73	35.145	27.71		1494.0							
	06S	01300	05.26	35.118	27.76		1493.8							
	06S	01400	04.42	35.118	27.81		1494.0							
	06S	01500	04.71	35.108	27.82		1494.8							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 AUTOP 01920 AIR TEMP 25.6 JIR HGT PER WIND-OIP 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0021 MONTH 06 SHIP A1 WET BULB 22.2 13 0 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 19 OATA USE 1 BAROMETR 1024.0 SEA WIND-FUR DURATION 03.6 2 SQUARE 46  
 LONG 047 38 W HGUR 16.1 WREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E28 021 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRPTH	SND VEL	OXYG	P24	TCT P	NO2	NO3	SI03	PH
18.1	08S	00000	22.68	36.750	25.31		1531.7							
	08S	00010	22.54	36.740	25.40		1531.0							
	08S	00020	21.32	36.681	25.70		1527.9							
	08S	00030	20.64	36.701	25.90		1526.3							
	08S	00050	19.61	36.664	26.15		1523.8							
	08S	00075	18.58	36.596	26.37		1521.3							
	08S	00100	17.94	36.536	26.48		1519.8							
	08S	00125	17.63	36.469	26.52		1519.3							
	08S	00150	17.35	36.450	26.56		1518.8							
	08S	00200	17.21	36.451	26.59		1519.2							
	08S	00250	17.11	36.456	26.62		1519.7							
	08S	00300	17.08	36.461	26.63		1520.5							
	08S	00400	16.99	36.451	26.65		1521.6							
	08S	00500	15.80	36.182	26.72		1519.5							
	08S	00600	14.40	35.946	26.85		1516.5							
	08S	00700	12.61	35.609	27.01		1511.9							
	08S	00800	10.35	35.386	27.21		1505.5							
	08S	00900	08.52	35.236	27.40		1500.0							
	08S	00920	08.37	35.313	27.48		1499.9							
	08S	01000	07.73	35.249	27.53		1498.7							
	08S	01040	07.15	35.236	27.61		1497.1							
	08S	01090	06.98	35.254	27.64		1497.3							
	08S	01100	06.96	35.289	27.67		1497.4							
	08S	01140	06.51	35.247	27.70		1496.3							
	08S	01160	06.38	35.244	27.72		1496.1							
	08S	01200	05.43	35.130	27.75		1492.8							
	08S	01300	05.32	35.154	27.78		1494.1							
	08S	01400	04.96	35.133	27.81		1494.2							
	08S	01500	04.53	35.097	27.83		1494.1							

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REFID 31 8106 YEAR 1969 BOTDP 01737 AIR TEMP 25.6 DIR HGT PER WIND-OIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0022 MONTH 06 SHIP A1 WET BULB 22.2 18 1 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 20 OATA USE 1 BAROMETR 1026.1 SEA WIND-FUR DURATION 03.6 2 SQUARE 46  
 LONG 047 53 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E28 022 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	22.72	36.743	25.36		1531.3							
	08S	00010	22.04	36.678	25.50		1529.6							
	08S	00020	21.30	36.698	25.72		1527.9							
	08S	00030	20.64	36.639	25.86		1526.3							
	08S	00050	19.09	36.600	26.24		1522.3							
	08S	00075	18.22	36.562	26.43		1520.2							
	08S	00100	17.95	36.534	26.48		1519.8							
	08S	00125	17.69	36.508	26.52		1519.4							
	08S	00150	17.58	36.485	26.53		1519.5							
	08S	00200	17.21	36.450	26.59		1519.2							
	08S	00250	17.12	36.465	26.63		1519.8							
	08S	00300	17.11	36.473	26.63		1520.6							
	08S	00400	17.00	36.461	26.65		1521.9							
	08S	00500	15.97	36.246	26.73		1520.1							
	08S	00600	14.71	36.014	26.83		1517.6							
	08S	00700	12.94	35.707	26.97		1513.0							
	08S	00800	10.59	35.411	27.19		1506.2							
	08S	00890	08.52	35.206	27.38		1499.8							
	08S	00900	08.52	35.236	27.40		1500.0							
	08S	01000	07.42	35.144	27.49		1497.4							
	08S	01015	06.87	35.207	27.62		1495.6							
	08S	01030	07.06	35.218	27.60		1496.6							
	08S	01100	06.16	35.141	27.66		1494.1							
	08S	01160	05.54	35.120	27.73		1492.6							
	08S	01170	05.77	35.179	27.74		1493.7							
	08S	01200	05.59	35.172	27.76		1493.5							
	08S	01300	04.94	35.089	27.77		1492.4							
	08S	01400	04.53	35.075	27.81		1492.4							
	08S	01500	04.38	35.080	27.83		1493.4							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTOP 04206 AIR TEMP 24.4 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1236  
 CONSEC 0023 MONTH 06 SHIP A1 MET BULB 21.7 20 1 3 WIND-SPD 11 TRACE J14 0 5 SQUARE 4  
 LAT 35 03 N DAY 20 DATA USE 1 BAROMETR 1026.6 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 56 W HOUR 18.0 AREA 05 CLOUD T/A CL/TRK WEATHER X1 GRIG E28 U23 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
18.0	08S	00000	23.19	36.672	25.17		1532.4							
	08S	00010	22.74	36.674	25.30		1531.4							
	08S	00020	21.38	36.633	25.65		1528.0							
	08S	00030	20.65	36.635	25.85		1526.3							
	08S	00050	19.14	36.609	26.23		1522.7							
	08S	00075	18.51	36.585	26.37		1521.1							
	08S	00100	18.18	36.558	26.44		1520.5							
	08S	00125	18.07	36.558	26.46		1520.6							
	08S	00150	17.86	36.524	26.45		1520.4							
	08S	00200	17.43	36.448	26.54		1519.8							
	08S	00250	17.21	36.424	26.57		1520.0							
	08S	00300	17.04	36.419	26.61		1520.3							
	08S	00400	16.79	36.381	26.64		1521.2							
	08S	00500	15.68	36.156	26.73		1519.1							
	08S	00600	14.38	35.942	26.85		1516.4							
	08S	00700	12.69	35.684	27.00		1512.2							
	08S	00800	10.39	35.383	27.20		1508.4							
	08S	00830	09.58	35.292	27.27		1507.3							
	08S	00900	08.45	35.255	27.42		1499.8							
	08S	01000	07.36	35.221	27.56		1497.2							
	08S	01045	06.60	35.183	27.64		1495.0							
	08S	01064	06.84	35.239	27.65		1496.3							
	08S	01070	06.34	35.143	27.64		1496.3							
	08S	01100	06.17	35.144	27.67		1494.1							
	08S	01200	05.34	35.106	27.74		1492.4							
	08S	01300	04.76	35.091	27.80		1491.7							
	08S	01400	04.54	35.059	27.60		1492.4							
	08S	01500	04.33	35.055	27.82		1493.2							

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REFID 31 8106 YEAR 1969 BOTOP 03931 AIR TEMP 26.7 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 06 SHIP A1 MET BULB 23.3 22 1 3 WIND-SPD 07 TRACE J14 0 5 SQUARE 4  
 LAT 35 08 N DAY 21 DATA USE 1 BAROMETR 1027.4 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A CL/TRK WEATHER X1 GRIG E28 U24 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.1	08S	00000	22.92	36.729	25.25		1531.7							
	08S	00010	21.53	36.726	25.68		1528.4							
	08S	00020	21.04	36.668	25.77		1527.2							
	08S	00030	19.76	36.530	26.01		1523.8							
	08S	00050	18.68	36.561	26.31		1521.1							
	08S	00075	18.25	36.550	26.41		1520.3							
	08S	00100	18.02	36.544	26.47		1520.0							
	08S	00125	17.74	36.497	26.50		1519.6							
	08S	00150	17.63	36.434	26.52		1519.7							
	08S	00200	17.38	36.447	26.55		1519.7							
	08S	00250	17.16	36.451	26.61		1519.9							
	08S	00300	17.16	36.461	26.61		1520.7							
	08S	00400	16.93	36.426	26.64		1521.6							
	08S	00500	15.78	36.193	26.73		1519.5							
	08S	00600	14.18	35.888	26.85		1515.7							
	08S	00700	12.00	35.636	26.97		1512.0							
	08S	00800	10.42	35.375	27.15		1505.0							
	08S	00872	08.74	35.211	27.34		1500.4							
	08S	00900	08.59	35.262	27.41		1500.3							
	08S	00925	08.23	35.254	27.46		1499.4							
	08S	00950	07.58	35.137	27.46		1497.1							
	08S	01000	06.79	35.105	27.55		1494.9							
	08S	01100	06.07	35.116	27.66		1493.7							
	08S	01200	05.33	35.087	27.73		1492.3							
	08S	01300	05.14	35.119	27.77		1493.3							
	08S	01400	04.55	35.058	27.75		1492.4							
	08S	01500	04.51	35.073	27.31		1494.0							

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TABLE VIII.—Continued

REF ID 31 8106 YEAR 1969 BOTOP 02743 AIR TEMP 26.1 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0025 MONTH 06 SHIP A1 MET BULB 22.8 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 21 DATA USE 1 BAROMETR 1027.1 SEA WIND-FGR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 18.3 AREA 05 CLDUD T/A CL/TR WEATHER X1 ORIG E28 025 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TOT P	NQ2	NQ3	SIO3	PH
18.3	085	00000	23.24	36.686	25.16		1532.5							
	085	00010	21.34	36.636	25.66		1527.8							
	085	00020	20.44	36.577	25.86		1525.5							
	085	00030	19.14	36.514	26.16		1522.0							
	085	00050	18.26	36.503	26.37		1519.9							
	085	00075	18.03	36.522	26.45		1519.6							
	085	00100	17.67	36.490	26.51		1519.0							
	085	00125	17.55	36.471	26.53		1519.0							
	085	00150	17.23	36.417	26.56		1518.4							
	085	00200	17.22	36.448	26.55		1519.2							
	085	00250	17.16	36.451	26.61		1519.9							
	085	00300	17.17	36.458	26.61		1520.7							
	085	00400	17.00	36.441	26.64		1521.9							
	085	00500	16.08	36.236	26.70		1523.5							
	085	00600	14.71	35.984	26.81		1517.5							
	085	00700	12.37	35.598	27.00		1511.0							
	085	00800	10.17	35.350	27.21		1504.6							
	085	00850	09.73	35.341	27.48		1503.8							
	085	00900	08.65	35.232	27.38		1500.5							
	085	00935	07.61	35.105	27.43		1497.0							
	085	01000	06.87	35.121	27.55		1495.2							
	085	01100	06.08	35.113	27.65		1493.7							
	085	01130	06.04	35.164	27.70		1494.1							
	085	01152	05.48	35.068	27.69		1492.1							
	085	01200	05.29	35.083	27.73		1492.2							
	085	01300	05.14	35.123	27.78		1493.3							
	085	01335	04.66	35.053	27.78		1491.8							
	085	01400	04.48	35.056	27.80		1492.2							
	085	01500	04.33	35.052	27.81		1493.2							

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REF ID 31 8106 YEAR 1969 BOTOP 03658 AIR TEMP 28.3 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0026 MONTH 06 SHIP A1 MET BULB 23.5 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 22 DATA USE 1 BAROMETR 1026.1 SEA WIND-FGR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 026 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TOT P	NQ2	NQ3	SIO3	PH
12.3	085	00000	23.21	36.639	25.13		1532.4							
	085	00010	22.04	36.554	25.41		1529.5							
	085	00020	20.85	36.575	25.75		1526.6							
	085	00030	20.30	36.550	25.88		1525.3							
	085	00050	19.03	36.600	26.25		1522.2							
	085	00075	18.27	36.555	26.42		1520.4							
	085	00100	18.09	36.545	26.45		1520.2							
	085	00125	18.01	36.540	26.47		1520.4							
	085	00150	17.81	36.512	26.49		1520.2							
	085	00200	17.42	36.433	26.53		1519.8							
	085	00250	17.18	36.406	26.57		1519.9							
	085	00300	17.00	36.387	26.60		1520.1							
	085	00400	16.21	36.239	26.67		1519.2							
	085	00500	15.30	36.076	26.75		1517.9							
	085	00600	13.82	35.852	26.90		1514.5							
	085	00700	12.19	35.609	27.04		1510.4							
	085	00800	10.24	35.371	27.22		1504.9							
	085	00900	08.46	35.207	27.35		1499.8							
	085	00919	08.02	35.216	27.46		1498.4							
	085	00943	07.96	35.217	27.47		1498.6							
	085	01000	06.69	35.075	27.54		1494.4							
	085	01100	06.08	35.096	27.64		1493.7							
	085	01138	05.96	35.152	27.70		1493.9							
	085	01200	05.16	35.050	27.72		1491.6							
	085	01262	05.26	35.121	27.76		1493.1							
	085	01300	05.00	35.084	27.76		1492.7							
	085	01320	05.02	35.106	27.78		1493.1							
	085	01400	04.61	35.055	27.78		1492.7							
	085	01500	04.48	35.067	27.81		1493.8							

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TABLE VIII.—Continued

REFID 31 8106	YEAR 1969	BOTOP 03017	AIR TEMP 28.9	OIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1206
CONSEC 0027	MONTH 06	SHIP A1	WET BULB 25.0	26 0 3	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
LAT 35 07 N	DAY 22	DATA USE 1	BAROMETR 1029.7	SEA	WIND-FOR	DURATION 00.5	7 SQUARE 48
LONG 048 02 W	HOUR 18.0	AREA 05	CLLOUD T/A	CL/TR	WEATHER X1	ORIG E23 U27	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.0	08S	00000	23.44	36.074	25.09		1533.0							
	08S	00010	21.54	36.079	25.64		1528.4							
	08S	00020	20.81	36.074	25.84		1526.6							
	08S	00030	20.12	36.584	25.96		1524.8							
	08S	00050	18.94	36.585	26.26		1521.9							
	08S	00075	18.46	36.594	26.39		1521.0							
	08S	00100	18.22	36.591	26.45		1520.7							
	08S	00125	18.03	36.572	26.45		1520.5							
	08S	00150	17.65	36.547	26.51		1520.4							
	08S	00200	17.48	36.485	26.55		1520.0							
	08S	00250	17.20	36.441	26.55		1520.0							
	08S	00300	17.03	36.436	26.63		1520.3							
	08S	00365	16.99	36.440	26.64		1521.2							
	08S	00400	16.63	36.362	26.66		1520.7							
	08S	00450	16.19	36.246	26.66		1519.7							
	08S	00500	15.66	36.176	26.75		1519.1							
	08S	00600	13.94	35.869	26.85		1514.9							
	08S	00700	12.53	35.677	27.03		1511.6							
	08S	00800	10.25	35.357	27.21		1504.9							
	08S	00900	08.33	35.208	27.41		1499.3							
	08S	00939	08.06	35.218	27.46		1498.9							
	08S	00965	06.95	35.086	27.52		1494.9							
	08S	01000	06.56	35.068	27.55		1494.3							
	08S	01062	06.38	35.126	27.62		1494.6							
	08S	01100	05.81	35.077	27.66		1492.6							
	08S	01200	05.16	35.029	27.70		1491.6							
	08S	01300	04.62	35.051	27.76		1491.9							
	08S	01400	04.55	35.032	27.77		1492.4							
	08S	01500	04.37	35.032	27.79		1493.3							

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REFID 31 8106	YEAR 1969	BOTOP 03658	AIR TEMP 23.3	OIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0028	MONTH 06	SHIP A1	WET BULB 21.1	29 0 3	WIND-SPD 03	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 23	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 09 W	HOUR 12.1	AREA 05	CLLOUD T/A	CL/TR	WEATHER X2	ORIG E28 O28	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	23.18	36.529	25.06		1532.2							
	08S	00010	22.04	36.418	25.30		1529.3							
	08S	00020	20.66	36.448	25.65		1526.5							
	08S	00030	20.14	36.488	25.82		1524.7							
	08S	00050	18.72	36.516	26.27		1521.2							
	08S	00075	17.93	36.451	26.42		1519.3							
	08S	00100	17.73	36.474	26.46		1519.1							
	08S	00125	17.50	36.444	26.52		1518.8							
	08S	00150	17.33	36.427	26.55		1518.7							
	08S	00200	17.06	36.387	26.58		1518.7							
	08S	00250	16.94	36.380	26.60		1519.1							
	08S	00300	17.03	36.424	26.62		1520.3							
	08S	00400	16.67	36.360	26.65		1520.8							
	08S	00500	15.71	36.145	26.71		1519.2							
	08S	00600	14.69	35.572	26.81		1517.5							
	08S	00700	12.86	35.063	26.95		1512.7							
	08S	00800	10.66	35.397	27.16		1506.4							
	08S	00900	08.74	35.195	27.33		1500.8							
	08S	00950	07.65	35.076	27.41		1497.3							
	08S	01000	06.73	35.088	27.55		1494.6							
	08S	01042	05.96	35.064	27.63		1492.2							
	08S	01070	05.98	35.102	27.66		1492.0							
	08S	01100	05.43	35.041	27.68		1491.0							
	08S	01200	05.09	35.058	27.73		1491.3							
	08S	01300	04.74	35.046	27.76		1491.5							
	08S	01400	04.52	35.047	27.75		1492.3							
	08S	01500	04.30	35.038	27.81		1493.1							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BGTOP 03201 AIR TEMP 27.2 JIR FGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1206  
 CONSEC 0029 MONTH 06 SHIP A1 AET BULB 23.5 AET 0 3 WIND-SPO 0+ TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 23 DATA USE 1 BAROMETR 1022.7 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 13 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 029 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYDPTH	SND VEL	UXYG	PU4	TOT P	NO2	NO3	SI03	PH
18.3	UBS	00000	23.54	36.608	25.01		1533.1							
	UBS	00010	21.34	36.604	25.04		1527.7							
	UBS	00020	20.74	36.605	25.00		1526.3							
	UBS	00030	19.96	36.593	25.97		1524.3							
	UBS	00050	18.99	36.588	26.25		1522.0							
	UBS	00075	18.42	36.596	26.37		1520.8							
	UBS	00100	18.13	36.531	26.43		1520.3							
	UBS	00125	17.91	36.498	26.46		1520.1							
	UBS	00150	17.73	36.472	26.46		1519.9							
	UBS	00200	17.39	36.421	26.53		1519.7							
	UBS	00250	17.09	36.388	26.57		1519.6							
	UBS	00300	17.06	36.414	26.60		1520.4							
	UBS	00400	16.81	36.359	26.62		1521.2							
	UBS	00500	15.46	36.365	26.70		1518.9							
	UBS	00600	14.22	35.847	26.81		1515.8							
	UBS	00700	12.60	35.631	26.93		1511.8							
	UBS	00800	10.76	35.354	27.11		1506.7							
	UBS	00900	07.97	35.117	27.33		1497.8							
	UBS	01000	06.46	35.053	27.55		1493.5							
	UBS	01050	05.77	35.021	27.62		1491.5							
	UBS	01065	05.96	35.083	27.64		1492.0							
	UBS	01100	05.76	35.086	27.67		1492.4							
	UBS	01120	05.45	35.034	27.67		1491.9							
	UBS	01200	04.96	35.028	27.72		1490.7							
	UBS	01300	04.70	35.031	27.76		1491.3							
	UBS	01400	04.55	35.036	27.76		1492.3							
	UBS	01500	04.31	35.028	27.80		1493.1							

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REFID 31 8106 YEAR 1969 BGTOP 04023 AIR TEMP 25.2 JIR FGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0050 MONTH 06 SHIP A1 AET BULB 23.5 AET 0 3 WIND-SPO 0+ TRACE DIR 0 5 SQUARE 4  
 LAT 35 24 N DAY 24 DATA USE 1 BAROMETR 1022.7 SEA WIND-FUR DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E28 030 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYDPTH	SND VEL	UXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.0	UBS	00000	23.43	36.533	24.99		1532.8							
	UBS	00010	21.74	36.503	25.45		1528.7							
	UBS	00020	21.04	36.584	25.71		1527.1							
	UBS	00030	20.27	36.519	25.87		1525.1							
	UBS	00050	18.40	36.465	26.31		1520.2							
	UBS	00075	17.84	36.498	26.37		1519.0							
	UBS	00100	17.75	36.470	26.44		1519.2							
	UBS	00125	17.31	36.418	26.55		1518.2							
	UBS	00150	17.21	36.430	26.58		1518.9							
	UBS	00200	17.07	36.425	26.61		1518.9							
	UBS	00250	17.11	36.453	26.62		1519.7							
	UBS	00300	17.12	36.456	26.64		1520.6							
	UBS	00400	17.00	36.440	26.64		1521.9							
	UBS	00500	16.30	36.304	26.70		1521.2							
	UBS	00600	15.03	36.050	26.78		1518.8							
	UBS	00700	13.02	35.702	26.95		1513.3							
	UBS	00800	10.80	35.416	27.15		1506.9							
	UBS	00900	08.57	35.176	27.34		1500.1							
	UBS	01000	06.75	35.079	27.54		1494.7							
	UBS	01030	06.39	35.083	27.54		1493.6							
	UBS	01060	06.32	35.145	27.55		1494.0							
	UBS	01100	05.74	35.086	27.67		1492.3							
	UBS	01200	05.03	35.051	27.73		1491.1							
	UBS	01300	04.78	35.049	27.76		1491.7							
	UBS	01400	04.55	35.041	27.78		1492.4							
	UBS	01500	04.32	35.035	27.80		1493.1							

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TABLE VIII.—Continued

REFID 31 8106 YEAR 1969 BOTOP 03100 AIR TEMP 25.6 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0031 MONTH 06 SHIP A1 WET BULB 22.2 DIR SPO 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 24 DATA USE 1 BAROMETR 1022.0 SEA WIND-FUR DURATION 00.6 2 SQUARE 48  
 LONG 048 03 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E28 031 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	CHYG	P04	TCT P	NO2	NO3	SI03	PH
18.0	085	0000	24.23	36.023	24.82		1534.8							
	085	00010	21.94	36.263	25.52		1529.4							
	085	00020	21.14	36.078	25.75		1527.5							
	085	00030	20.94	36.081	25.81		1527.1							
	085	00050	19.34	36.595	26.17		1523.0							
	085	00075	18.53	36.564	26.35		1521.1							
	085	00100	18.25	36.549	26.41		1520.7							
	085	00125	18.01	36.522	26.45		1520.4							
	085	00150	17.86	36.508	26.46		1520.4							
	085	00200	17.54	36.464	26.52		1520.2							
	085	00250	17.21	36.414	26.57		1520.0							
	085	00300	17.03	36.397	26.60		1520.2							
	085	00400	16.75	36.358	26.63		1521.0							
	085	00500	15.23	36.079	26.77		1517.6							
	085	00600	13.67	35.826	26.91		1514.0							
	085	00700	12.27	35.563	26.95		1510.0							
	085	00800	10.32	35.370	27.20		1505.2							
	085	00900	08.28	35.213	27.42		1499.1							
	085	00990	07.41	35.219	27.35		1497.3							
	085	01000	07.15	35.182	27.36		1496.4							
	085	01024	07.05	35.199	27.55		1496.4							
	085	01100	05.78	35.058	27.65		1492.4							
	085	01149	05.43	35.042	27.68		1491.8							
	085	01175	05.73	35.143	27.72		1493.6							
	085	01200	05.25	35.064	27.72		1492.0							
	085	01300	04.79	35.044	27.76		1491.7							
	085	01400	04.45	35.031	27.78		1492.0							
	085	01500	04.30	35.027	27.80		1493.0							

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REFID 31 8106 YEAR 1969 BOTOP 04022 AIR TEMP 26.1 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0052 MONTH 06 SHIP A1 WET BULB 22.2 DIR SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 25 DATA USE 1 BAROMETR 1022.0 SEA WIND-FUR DURATION 00.5 2 SQUARE 48  
 LONG 048 04 W HOUR 13.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E28 032 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	CHYG	P04	TCT P	NO2	NO3	SI03	PH
13.0	085	00000	23.82	36.782	25.06		1534.0							
	085	00010	22.13	36.707	25.50		1529.9							
	085	00020	21.39	36.694	25.65		1528.1							
	085	00030	20.84	36.664	25.82		1526.8							
	085	00050	19.46	36.643	26.17		1523.4							
	085	00075	18.73	36.578	26.31		1521.7							
	085	00100	18.31	36.546	26.40		1520.9							
	085	00125	18.09	36.534	26.44		1520.6							
	085	00150	17.85	36.501	26.48		1520.3							
	085	00200	17.55	36.458	26.52		1520.2							
	085	00250	17.20	36.410	26.56		1519.9							
	085	00300	17.03	36.403	26.60		1520.3							
	085	00400	16.82	36.388	26.64		1521.3							
	085	00500	15.70	36.144	26.71		1519.2							
	085	00600	14.00	35.850	26.86		1515.1							
	085	00700	12.17	35.582	27.03		1510.3							
	085	00800	10.26	35.381	27.22		1505.0							
	085	00900	08.35	35.191	27.35		1499.3							
	085	00945	07.84	35.168	27.45		1498.1							
	085	00965	07.97	35.266	27.51		1499.1							
	085	01000	07.35	35.176	27.53		1497.1							
	085	01052	06.95	35.183	27.55		1496.4							
	085	01075	06.32	35.099	27.61		1494.2							
	085	01100	06.18	35.094	27.62		1494.1							
	085	01200	05.40	35.062	27.70		1492.5							
	085	01300	05.02	35.086	27.76		1492.7							
	085	01325	04.73	35.040	27.76		1491.9							
	085	01365	04.84	35.079	27.78		1493.1							
	085	01400	04.74	35.064	27.76		1493.2							
	085	01500	04.35	35.037	27.80		1493.3							

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TABLE VIII.—Continued

REFID 31	B106	YEAR 1969	BOTDP 04023	AIR TEMP 25.0	DIR HOT PER	WIND-DIR 24	INST STO RECORDER	TEN SQ 1706
CGNSEC 0033		MONTH 06	SHIP A1	WET BULB 22.2	29 1 5	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 12 N		DAY 25	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FOR	ORUPATION 00.4	2 SQUARE 46
LONG 047 58 W		HOOR 16.7	APEA 05	CLOUD T/A	CL/TR	WEATHER XZ	LRIG E28 033	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NU2	NO3	SI03	PH
18.7	085	00000	23.94	36.737	24.99		1534.3							
	085	00010	22.64	36.732	25.37		1531.2							
	085	00020	21.72	36.711	25.61		1529.0							
	085	00030	21.34	36.740	25.74		1528.2							
	085	00050	20.54	36.714	25.94		1526.4							
	085	00075	18.85	36.597	26.30		1522.1							
	085	00100	18.31	36.571	26.41		1520.9							
	085	00125	18.11	36.547	26.45		1520.7							
	085	00150	17.97	36.538	26.47		1520.7							
	085	00200	17.53	36.469	26.53		1520.2							
	085	00250	17.28	36.435	26.56		1520.2							
	085	00300	17.12	36.423	26.55		1520.5							
	085	00400	16.83	36.391	26.64		1521.3							
	085	00500	15.62	36.127	26.72		1518.9							
	085	00600	14.14	35.892	26.86		1515.6							
	085	00700	12.39	35.622	27.01		1511.1							
	085	00800	10.61	35.415	27.19		1506.3							
	085	00900	08.57	35.240	27.39		1500.2							
	085	00920	08.14	35.190	27.42		1498.9							
	085	00960	07.92	35.274	27.52		1498.8							
	085	01000	07.32	35.203	27.55		1497.1							
	085	01064	06.96	35.212	27.61		1496.7							
	085	01100	06.34	35.146	27.64		1494.3							
	085	01200	05.19	35.054	27.72		1491.7							
	085	01230	05.19	35.072	27.73		1492.2							
	085	01252	04.99	35.054	27.74		1491.8							
	085	01260	05.18	35.107	27.76		1492.7							
	085	01300	04.94	35.070	27.76		1492.4							
	085	01400	04.77	35.083	27.79		1493.4							
	085	01500	04.62	35.077	27.80		1494.4							

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TABLE IX.—Observed and interpolated oceanographic data for stations taken by USCGC CAMPBELL at Ocean Station ECHO, 26 June 1969 - 19 July 1969, prepared from NODC listing No. 31 - 1489.

REFID 31 1489 YEAR 1969 BOTOP 04024 AIR TEMP 25.2 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 06 SHIP CM WET BULB 22.2 28 1 2 WIND-SPO 13 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 26 DATA USE 1 BAROMETR 1024.0 SEA WIND-FUR 0 DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 20.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E29 001 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
20.1	085	00000	24.04	36.798	25.01		1534.6							
20.1	085	00024	22.12	36.729	25.52		1530.1							
20.1	085	00046	21.17	36.725	25.78		1528.0							
20.1	085	00070	19.18	36.628	26.24		1522.9							
20.1	085	00093	18.56	36.580	26.36		1521.5							
20.1	085	00140	18.00	36.524	26.46		1520.0							
20.1	085	T00187	17.66	36.488	26.51		1520.4							
20.1	085	00278	17.15	36.391	26.56		1520.2							
20.1	085	T00366	16.97	36.411	26.62		1521.2							
20.1	085	00453	16.41	36.287	26.66		1520.8							
20.1	085	T00536	15.31	36.094	26.76		1518.5							
20.1	085	00706	12.59	35.645	26.95		1511.9							
20.1	085	T00882	08.81	35.225	27.34		1500.8							
20.1	085	T01377	04.76	35.019	27.74		1492.9							

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REFID 31 1489 YEAR 1969 BOTOP 04389 AIR TEMP 24.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 06 SHIP CM WET BULB 22.6 23 2 4 WIND-SPO 21 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 27 DATA USE 1 BAROMETR 1016.6 SEA WIND-FUR 0 DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 17.9 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E29 002 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.9	085	00000	23.93	36.745	25.00		1534.2							
17.9	085	00027	21.49	36.705	25.67		1528.5							
17.9	085	00054	20.38	36.667	25.95		1526.0							
17.9	085	00081	18.80	36.605	26.32		1522.0							
17.9	085	00108	18.30	36.546	26.40		1521.0							
17.9	085	00161	17.84	36.503	26.48		1520.5							
17.9	085	00213	17.43	36.430	26.52		1520.0							
17.9	085	00315	16.93	36.352	26.59		1520.1							
17.9	085	T00413	16.51	36.297	26.64		1520.4							
17.9	085	00515	15.29	36.049	26.73		1518.0							
17.9	085	T00617	13.56	35.750	26.88		1513.8							
17.9	085	00830	09.86	35.326	27.25		1503.9							
17.9	085	T01057	07.20	35.190	27.56		1497.5							
17.9	085	T01649	04.34	35.014	27.76		1495.7							

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REFID 31 1489 YEAR 1969 BOTOP 04627 AIR TEMP 24.3 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 06 SHIP CM WET BULB 22.2 25 1 3 WIND-SPO 05 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 28 DATA USE 1 BAROMETR 1021.3 SEA WIND-FUR 0 DURATION 2 SQUARE 48  
 LONG 048 15 W HOUR 19.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X2 ORIG E29 003 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.1	085	00000	23.65	36.754	25.09		1533.6							
19.1	085	00025	22.04	36.750	25.55		1530.0							
19.1	085	00051	20.65	36.678	25.88		1526.7							
19.1	085	00076	19.48	36.628	26.16		1523.9							
19.1	085	00102	18.46	36.521	26.34		1521.3							
19.1	085	00151	17.69	36.482	26.50		1519.8							
19.1	085	T00203	17.29	36.423	26.55		1519.5							
19.1	085	00304	16.93	36.388	26.61		1520.0							
19.1	085	T00404	16.38	36.292	26.67		1519.9							
19.1	085	00505	15.26	36.070	26.76		1517.8							
19.1	085	00605	13.63	35.772	26.88		1513.9							
19.1	085	00805	10.02	35.349	27.24		1504.1							
19.1	085	T00597	07.29	35.183	27.54		1496.9							
19.1	085	T01517	04.28	34.990	27.77		1493.2							

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TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTOP 03109 AIR TEMP 22.9 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 06 SHIP CM WET BULB 22.1 19 0 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 34 52 N DAY 29 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 17.9 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E29 004 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
17.9	OBS	00000	23.87	36.781	25.05		1534.1							
17.9	OBS	00022	21.90	36.731	25.58		1529.5							
17.9	OBS	00045	20.92	36.688	25.82		1527.3							
17.9	OBS	00067	19.39	36.632	26.18		1523.5							
17.9	OBS	00090	18.74	36.618	26.34		1522.0							
17.9	OBS	00136	18.10	36.544	26.45		1520.9							
17.9	OBS	00177	17.71	36.481	26.45		1520.3							
17.9	OBS	00261	17.06	36.387	26.58		1519.7							
17.9	OBS	T00338	17.05	36.434	26.62		1521.0							
17.9	OBS	00420	16.40	36.265	26.65		1520.2							
17.9	OBS	00498	15.40	36.083	26.73		1518.1							
17.9	OBS	00663	12.36	35.621	27.02		1510.4							
17.9	OBS	T00837	09.21	35.275	27.32		1501.6							
17.9	OBS	T01299	05.10	35.066	27.74		1493.0							

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REFID 31 1489 YEAR 1969 BOTOP 04389 AIR TEMP 24.4 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 06 SHIP CM WET BULB 21.9 26 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 55.0N DAY 30 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55.0W HOUR 17.4 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E29 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
17.4	OBS	00000	23.85	36.751	25.03		1534.1							
17.4	OBS	00027	21.10	36.635	25.73		1527.4							
17.4	OBS	00053	19.56	36.631	26.14		1523.7							
17.4	OBS	00080	18.56	36.588	26.36		1521.3							
17.4	OBS	00106	18.15	36.548	26.44		1520.5							
17.4	OBS	00161	17.75	36.480	26.48		1520.2							
17.4	OBS	T00215	17.22	36.402	26.55		1519.4							
17.4	OBS	00323	17.08	36.434	26.61		1520.8							
17.4	OBS	T00432	16.50	36.311	26.66		1520.7							
17.4	OBS	00542	15.08	36.019	26.76		1517.8							
17.4	OBS	00651	13.23	35.709	26.91		1513.2							
17.4	OBS	00872	08.95	35.235	27.33		1501.2							
17.4	OBS	T01092	06.57	35.162	27.63		1495.6							
17.4	OBS	T01652	04.12	34.982	27.78		1494.8							

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REFID 31 1489 YEAR 1969 BOTOP 02606 AIR TEMP 24.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 07 SHIP CM WET BULB 24.3 00 0 X WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 01 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 19.8 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E29 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
19.8	OBS	00000	25.04	36.748	24.67		1536.9							
19.8	OBS	00025	21.42	36.586	25.60		1528.2							
19.8	OBS	00049	19.47	36.542	26.05		1523.3							
19.8	OBS	00075	18.29	36.522	26.38		1520.4							
19.8	OBS	00100	17.97	36.503	26.45		1519.8							
19.8	OBS	00152	17.61	36.470	26.51		1519.6							
19.8	OBS	T00203	17.29	36.427	26.56		1519.5							
19.8	OBS	00308	17.02	36.410	26.61		1520.4							
19.8	OBS	T00413	16.50	36.308	26.65		1520.4							
19.8	OBS	00517	15.25	36.056	26.75		1518.0							
19.8	OBS	T00621	13.58	35.780	26.90		1514.0							
19.8	OBS	00827	09.67	35.363	27.31		1503.2							
19.8	OBS	T01028	07.13	35.180	27.56		1496.7							
19.8	OBS	T01563	04.30	35.002	27.78		1494.1							

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REFID 31 1489 YEAR 1969 BOTOP 02953 AIR TEMP 25.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 07 SHIP CM WET BULB 25.3 19 0 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 09.0N DAY 02 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E29 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.9	OBS	00000	24.25	36.768	24.92		1535.0							
12.9	OBS	00026	21.97	36.688	25.53		1529.7							
12.9	OBS	00051	20.60	36.617	25.85		1526.5							
12.9	OBS	00077	18.70	36.536	26.25		1521.6							
12.9	OBS	00102	18.06	36.537	26.45		1520.2							
12.9	OBS	00154	17.56	36.465	26.52		1519.5							
12.9	OBS	T00203	17.07	36.386	26.58		1518.8							
12.9	OBS	00305	17.07	36.437	26.62		1520.5							
12.9	OBS	T00406	16.77	36.381	26.65		1521.2							
12.9	OBS	00506	15.42	36.108	26.75		1518.4							
12.9	OBS	T00604	13.64	35.783	26.85		1513.9							
12.9	OBS	00802	10.20	35.369	27.22		1504.8							
12.9	OBS	T00997	07.55	35.231	27.54		1497.9							
12.9	OBS	T01523	04.35	35.003	27.77		1493.6							

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TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTOP 04023 AIR TEMP 32.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 07 SHIP CM WET BULB 27.8 00 0 X WIND-SPO 00 TRACE OIR 5 SQUARE 4  
 LAT 35 03 N DAY 03 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 19.0 AREA 05 CLCUO T/A 8/2 CL/TR WEATHER X1 ORIG E29 G08 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
19.0	OBS	00000	24.92	36.768	24.72		1536.6							
19.0	OBS	00025	21.22	36.668	25.72		1527.8							
19.0	OBS	00051	19.58	36.621	26.13		1525.7							
19.0	OBS	00075	18.50	36.573	26.37		1521.0							
19.0	OBS	00101	18.14	36.549	26.44		1520.4							
19.0	OBS	00151	17.82	36.498	26.48		1520.2							
19.0	OBS	T00200	17.47	36.446	26.53		1520.0							
19.0	OBS	00303	16.94	36.364	26.59		1520.0							
19.0	OBS	T00407	16.30	36.260	26.66		1519.6							
19.0	OBS	00504	14.96	36.004	26.77		1516.8							
19.0	OBS	T00603	13.84	35.830	26.86		1514.6							
19.0	OBS	00803	10.39	35.409	27.22		1505.5							
19.0	OBS	T01001	07.26	35.170	27.54		1456.8							
19.0	OBS	T01510	04.25	34.967	27.76		1452.8							

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REFID 31 1489 YEAR 1969 BOTOP 03058 AIR TEMP 27.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 07 SHIP CM WET BULB 23.9 00 0 X WIND-SPO 00 TRACE OIR 5 SQUARE 2  
 LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 13.5 AREA 05 CLCUO T/A 6/2 CL/TR WEATHER X1 ORIG E29 G09 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.5	OBS	00000	25.12	36.783	24.67		1537.1							
13.5	OBS	00026	21.43	36.650	25.65		1528.3							
13.5	OBS	00052	19.12	36.508	26.16		1522.3							
13.5	OBS	00077	18.28	36.544	26.40		1520.4							
13.5	OBS	00102	18.07	36.539	26.45		1520.2							
13.5	OBS	00154	17.54	36.442	26.51		1519.4							
13.5	OBS	T00206	17.12	36.378	26.56		1518.9							
13.5	OBS	00308	17.04	36.354	26.56		1520.4							
13.5	OBS	T00409	15.97	36.187	26.68		1518.6							
13.5	OBS	00513	14.91	35.999	26.78		1516.8							
13.5	OBS	00615	13.40	35.751	26.91		1513.2							
13.5	OBS	00820	09.73	35.323	27.27		1503.3							
13.5	OBS	T01026	07.44	35.233	27.56		1498.0							
13.5	OBS	T01531	04.60	35.047	27.76		1494.8							

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REFID 31 1489 YEAR 1969 BOTOP 04252 AIR TEMP 24.1 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 07 SHIP CM WET BULB 21.2 16 1 4 WIND-SPO 06 TRACE OIR 5 SQUARE 4  
 LAT 35 11 N DAY 05 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 11.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E29 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
11.9	OBS	00000	24.73	36.778	24.75		1536.2							
11.9	OBS	00028	21.64	36.631	25.58		1528.9							
11.9	OBS	00055	19.49	36.619	26.15		1523.5							
11.9	OBS	00082	18.40	36.587	26.40		1520.9							
11.9	OBS	00110	18.09	36.552	26.45		1520.4							
11.9	OBS	00164	17.62	36.472	26.51		1519.8							
11.9	OBS	T00219	17.27	36.437	26.57		1519.7							
11.9	OBS	00330	17.02	36.428	26.62		1520.7							
11.9	OBS	00440	16.50	36.322	26.66		1520.9							
11.9	OBS	00550	15.08	36.047	26.78		1518.0							
11.9	OBS	T00660	12.68	35.647	26.98		1511.4							
11.9	OBS	00874	08.81	35.269	27.38		1500.7							
11.9	OBS	T01184	06.07	35.127	27.66		1495.1							
11.9	OBS	T01685	04.09	34.996	27.79		1495.2							

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REFID 31 1489 YEAR 1969 BOTOP 04252 AIR TEMP 25.4 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 07 SHIP CM WET BULB 22.8 12 1 4 WIND-SPO 15 TRACE OIR 5 SQUARE 4  
 LAT 35 01 N DAY 06 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.6 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E29 011 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.6	OBS	00000	24.71	36.713	24.74		1536.1							
12.6	OBS	00024	22.46	36.658	25.37		1530.9							
12.6	OBS	00049	20.46	36.562	25.85		1526.0							
12.6	OBS	00073	19.21	36.625	26.23		1523.1							
12.6	OBS	00099	18.27	36.555	26.41		1520.8							
12.6	OBS	00147	17.88	36.511	26.48		1520.4							
12.6	OBS	00197	17.43	36.436	26.53		1519.8							
12.6	OBS	00296	16.80	36.339	26.61		1519.4							
12.6	OBS	00394	16.10	36.229	26.65		1518.8							
12.6	OBS	00493	14.93	35.996	26.77		1516.5							
12.6	OBS	T00596	13.66	35.803	26.90		1513.8							
12.6	OBS	00790	09.91	35.336	27.25		1503.5							
12.6	OBS	T00980	07.48	35.193	27.52		1497.3							
12.6	OBS	T01483	04.69	35.050	27.77		1494.4							

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TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTOP 03566 AIR TEMP 24.4 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 07 SHIP CM WET BULB 21.7 11 1 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 13 N DAY 07 DATA USE 1 BAROMETR 1025.4 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E29 012 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	24.74	36.729	24.75		1536.2							
12.2	085	00024	23.04	36.686	25.22		1532.4							
12.2	085	00049	20.36	36.625	25.92		1525.8							
12.2	085	00073	18.76	36.480	26.23		1521.6							
12.2	085	00098	18.07	36.468	26.40		1520.1							
12.2	085	00145	17.36	36.432	26.54		1518.7							
12.2	085	T00194	17.12	36.401	26.58		1518.8							
12.2	085	00288	17.05	36.384	26.58		1520.1							
12.2	085	00383	16.37	36.299	26.68		1519.5							
12.2	085	00477	15.70	36.158	26.72		1518.8							
12.2	085	T00569	14.40	35.917	26.83		1515.9							
12.2	085	00753	10.99	35.455	27.15		1506.9							
12.2	085	T00940	08.04	35.215	27.46		1498.8							
12.2	085	T01437	04.70	35.038	27.76		1453.7							

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REFID 31 1489 YEAR 1969 BOTOP 03200 AIR TEMP DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 07 SHIP CM WET BULB 22.8 21 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 33.5N DAY 08 DATA USE 1 BAROMETR 1024.0 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 52.5W HOUR 12.5 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E29 013 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	085	00000	24.40	36.779	24.85		1535.4							
12.5	085	00024	24.07	36.766	24.98		1530.0							
12.5	085	00048	20.33	36.562	25.88		1525.6							
12.5	085	00072	18.45	36.472	26.30		1520.7							
12.5	085	00098	17.90	36.465	26.44		1519.6							
12.5	085	00147	17.32	36.440	26.56		1518.6							
12.5	085	00195	17.15	36.426	26.55		1518.9							
12.5	085	00292	17.08	36.432	26.61		1520.3							
12.5	085	T00387	16.91	36.411	26.64		1521.3							
12.5	085	00488	15.71	36.150	26.72		1519.0							
12.5	085	00586	13.92	35.919	26.93		1514.7							
12.5	085	00786	10.52	35.409	27.20		1505.7							
12.5	085	T00994	07.14	35.129	27.52		1496.2							
12.5	085	T01569	04.23	34.984	27.77		1453.9							

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REFID 31 1489 YEAR 1969 BOTOP 03218 AIR TEMP 25.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 07 SHIP CM WET BULB 22.7 22 3 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 09 DATA USE 1 BAROMETR 1023.0 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E29 014 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	24.68	36.744	24.78		1536.0							
12.8	085	00023	23.38	36.770	25.18		1535.3							
12.8	085	00045	20.77	36.664	25.64		1526.9							
12.8	085	00068	19.46	36.418	26.16		1523.7							
12.8	085	00089	18.56	36.585	26.36		1521.5							
12.8	085	00089	17.84	36.501	26.48		1520.0							
12.8	085	00134	17.60	36.472	26.51		1520.0							
12.8	085	T00175	17.10	36.397	26.58		1519.9							
12.8	085	00269	16.94	36.413	26.63		1520.9							
12.8	085	T00357	16.01	36.190	26.68		1519.3							
12.8	085	00446	16.01	36.190	26.68		1519.3							
12.8	085	T00523	14.72	35.966	26.80		1516.3							

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REFID 31 1489 YEAR 1969 BOTOP 01829 AIR TEMP 27.3 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 07 SHIP CM WET BULB 24.3 36 4 5 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 22 N DAY 12 DATA USE 1 BAROMETR 1017.9 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 30 W HOUR 14.5 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E29 015 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
14.5	085	00000	23.91	36.646	24.93		1534.1							
14.5	085	00025	20.73	36.648	25.84		1526.4							
14.5	085	00051	18.56	36.588	26.36		1520.8							
14.5	085	00076	17.57	36.523	26.46		1519.5							
14.5	085	00102	17.59	36.469	26.52		1518.7							
14.5	085	00152	17.22	36.412	26.56		1518.4							
14.5	085	T00205	17.12	36.427	26.60		1519.0							
14.5	085	00305	17.03	36.422	26.62		1520.4							
14.5	085	00406	16.43	36.308	26.67		1520.1							
14.5	085	00508	15.84	36.203	26.73		1519.8							
14.5	085	T00613	14.66	35.986	26.82		1517.6							
14.5	085	00812	10.69	35.407	27.17		1506.7							
14.5	085	T01023	07.19	35.158	27.54		1496.9							
14.5	085	T01534	04.48	35.015	27.77		1494.3							

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TABLE IX.—Continued

REFID 31 1489 YEAR 1969 BOTOP 03778 AIR TEMP 26.1 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 07 SHIP CM WET BULB 24.4 DIR SPD 15 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 13 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 47 W HOUR 14.0 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E29 016 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
14.0	08S	00000	24.41	36.550	24.71		1535.2							
14.0	08S	00024	21.81	36.546	25.46		1529.1							
14.0	08S	00048	20.10	36.556	25.94		1525.0							
14.0	08S	00071	18.73	36.543	26.29		1521.6							
14.0	08S	00094	18.20	36.526	26.41		1520.4							
14.0	08S	00142	17.73	36.483	26.45		1519.8							
14.0	08S	T00188	17.43	36.438	26.53		1519.6							
14.0	08S	00278	16.91	36.367	26.60		1519.5							
14.0	08S	T00365	16.76	36.370	26.64		1520.5							
14.0	08S	00452	15.56	36.105	26.72		1517.9							
14.0	08S	00536	13.99	35.843	26.86		1514.0							
14.0	08S	00708	11.25	35.483	27.12		1507.1							
14.0	08S	T00888	08.08	35.183	27.43		1498.1							
14.0	08S	T01391	04.65	35.020	27.75		1452.7							

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REFID 31 1489 YEAR 1969 BOTOP 03072 AIR TEMP 25.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 07 SHIP CM WET BULB 24.4 DIR SPD 15 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 23 N DAY 14 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 17.4 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E29 017 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
17.4	08S	00000	24.23	36.536	24.75		1534.7							
17.4	08S	00023	23.76	36.629	24.97		1534.1							
17.4	08S	00044	20.76	36.653	25.87		1525.9							
17.4	08S	00065	19.25	36.589	26.19		1523.0							
17.4	08S	00088	18.42	36.560	26.38		1521.0							
17.4	08S	00130	17.78	36.488	26.48		1519.8							
17.4	08S	T00174	17.58	36.460	26.51		1519.9							
17.4	08S	00252	17.10	36.400	26.58		1519.7							
17.4	08S	00330	17.00	36.420	26.62		1520.7							
17.4	08S	00408	16.46	36.294	26.65		1520.2							
17.4	08S	T00489	15.41	36.081	26.73		1518.0							
17.4	08S	00650	12.38	35.646	27.03		1510.3							
17.4	08S	T00824	09.32	35.266	27.29		1501.8							
17.4	08S	T01284	05.15	35.074	27.74		1493.0							

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REFID 31 1489 YEAR 1969 BOTOP 04169 AIR TEMP 24.9 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 07 SHIP CM WET BULB 24.1 DIR SPD 15 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 37 N DAY 15 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 42 W HOUR 13.6 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG E29 018 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.6	08S	00000	24.44	36.618	24.75		1535.3							
13.6	08S	00023	22.80	36.701	25.30		1531.8							
13.6	08S	00045	20.08	36.617	25.99		1525.0							
13.6	08S	00069	18.66	36.557	26.32		1521.4							
13.6	08S	00091	18.38	36.572	26.40		1521.0							
13.6	08S	00137	17.98	36.524	26.46		1520.5							
13.6	08S	00183	17.64	36.469	26.50		1520.2							
13.6	08S	00274	17.07	36.454	26.63		1520.0							
13.6	08S	00365	16.71	36.398	26.67		1520.4							
13.6	08S	00457	15.86											
13.6	08S	00548	14.43											
13.6	08S	00731	11.83											
13.6	08S	00913	08.82											
13.6	08S	T01370	04.92	35.032	27.73		1453.4							

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TABLE IX.—Continued

REFID 31 1489	YEAR 1969	BTOP 02560	AIR TEMP 25.0	DIR HGT PER	WIND-OIR 21	INST NANSEN CAST	TEN SQ 1206
CONSEC 0019	MONTH 07	SHIP CM	WET BULB 23.9	23 2 2	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 02 N	DAY 16	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FUR	DURATION	2 SQUARE 48
LONG 048 08 W	HRUR 12.6	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E29 019	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SIO3	PH
12.6	085	00000	24.69	36.554	24.63		1535.8							
12.6	085	00022	24.41	36.607	24.75		1535.6							
12.6	085	00043	20.82	36.629	25.80		1526.9							
12.6	085	00066	19.47	36.627	26.16		1523.7							
12.6	085	00088	18.48	36.625	26.41		1521.3							
12.6	085	00130	17.81	36.583	26.55		1520.0							
12.6	085	00174	17.39	36.537	26.62		1519.4							
12.6	085	00260	17.08	36.471	26.64		1519.8							
12.6	085	00345	16.94	36.441	26.65		1520.8							
12.6	085	00430	15.76	36.182	26.73		1518.3							
12.6	085	T00516	14.31	35.883	26.82		1514.7							
12.6	085	00688	11.51	35.424	27.03		1507.6							
12.6	085	T00869	08.48	35.300	27.46		1499.4							
12.6	085	T01388	05.00	35.068	27.75		1494.1							

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REFID 31 1489	YEAR 1969	BTOP 04279	AIR TEMP 25.2	OIR HGT PER	WIND-OIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0020	MONTH 07	SHIP CM	WET BULB 24.3	25 2 3	WIND-SPD 12	TRACE DIR	5 SQUARE 4
LAT 35 04.5N	DAY 17	DATA USE 1	BAROMETR 1024.7	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48.0W	HRUR 13.6	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E29 020	1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
13.6	085	00000	24.97	36.545	24.54		1536.5							
13.6	085	00025	23.44	36.627	25.06		1533.3							
13.6	085	00049	20.46	36.632	25.90		1526.1							
13.6	085	00074	19.06	36.541	26.20		1522.6							
13.6	085	00098	18.37	36.516	26.36		1521.0							
13.6	085	00147	17.88											
13.6	085	T00194	17.58	36.438	26.45		1520.2							
13.6	085	00290	16.99	36.349	26.57		1519.9							
13.6	085	00381	16.58	36.336	26.66		1520.2							
13.6	085	00480	15.55	36.187	26.78		1518.4							
13.6	085	00574	13.71	35.957	27.00		1513.8							
13.6	085	00784	09.87	35.396	27.30		1503.3							
13.6	085	T01006	07.00	35.149	27.56		1495.8							
13.6	085	T01594	04.44	35.016	27.77		1495.2							

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TABLE X.—Observed and interpolated oceanographic data for stations taken by USCGC  
 • COOK INLET at Ocean Station ECHO, 19 July 1969 - 10 August 1969, prepared from  
 NODC listing No. 31 - 8117.

REFID 31 8117	YEAR 1969	BCTOP 02926	AIR TEMP 24.0	OIR HGT PER	WIND-OIR 27	INST STO RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP CO	WET BULB 23.2	27 2 2	WIND-SPO 10	TRACE OIR 0	5 SQUARE 4
LAT 35 08 N	DAY 19	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FGR	DURATION 00.4	2 SQUARE 48
LONG 048 13 W	HRUR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER XB	ORIG E30 001	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
06.0	085	00000	24.60	36.320	24.48		1535.4							
	085	00010	24.50	36.367	24.52		1535.3							
	085	00020	23.00	36.557	25.12		1532.2							
	085	00030	21.21	36.595	25.67		1527.7							
	085	00050	20.06	36.595	25.98		1525.0							
	085	00075	18.91	36.555	26.25		1522.2							
	085	00100	18.06	36.552	26.46		1520.2							
	085	00125	17.66	36.505	26.53		1519.4							
	085	00150	17.41	36.465	26.56		1519.0							
	085	00200	17.12	36.418	26.59		1518.9							
	085	00250	16.90	36.397	26.61		1519.2							
	085	00300	16.91	36.417	26.64		1519.9							
	085	00315	16.94	36.420	26.64		1520.3							
	085	00400	16.10	36.237	26.69		1518.9							
	085	00500	14.72	35.570	26.80		1515.9							
	085	00600	13.02	35.749	26.95		1511.7							
	085	00700	11.64	35.569	27.12		1508.4							
	085	00800	09.64	35.327	27.29		1502.6							
	085	00900	07.96	35.235	27.48		1497.9							

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REFID 31 8117	YEAR 1969	BCTOP 01262	AIR TEMP 25.0	OIR HGT PER	WIND-OIR 24	INST STO RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP CO	WET BULB 24.0	24 2 2	WIND-SPO 12	TRACE OIR U	5 SQUARE 4
LAT 35 10 N	DAY 20	DATA USE 1	BAROMETR	SEA	WIND-FGR	DURATION 00.5	2 SQUARE 46
LONG 047 38 W	HRUR 06.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E30 002	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
06.4	085	00000	25.17	36.670	24.57		1537.1							
	085	00010	24.88	36.674	24.66		1536.0							
	085	00020	21.68	36.674	25.60		1528.9							
	085	00030	20.78	36.652	25.83		1526.7							
	085	00050	19.78	36.634	26.08		1524.3							
	085	00075	18.11	36.555	26.45		1519.9							
	085	00100	17.69	36.505	26.52		1519.0							
	085	00125	17.38	36.455	26.56		1518.5							
	085	00150	17.25	36.441	26.58		1518.5							
	085	00200	17.00	36.418	26.61		1518.7							
	085	00250	16.94	36.412	26.63		1519.2							
	085	00300	16.94	36.421	26.64		1520.0							
	085	00350	16.90	36.423	26.65		1520.7							
	085	00400	16.68	36.371	26.66		1520.8							
	085	00500	15.33	36.094	26.76		1516.0							
	085	00600	13.42	35.784	26.93		1513.1							
	085	00700	11.98	35.585	27.07		1509.6							
	085	00800	09.96	35.377	27.27		1503.9							
	085	00900	08.33	35.225	27.42		1494.3							
	085	01000	07.28	35.214	27.57		1490.9							

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REFID 31 8117	YEAR 1969	BCTOP 04389	AIR TEMP 26.7	OIR HGT PER	WIND-OIR 23	INST STO RECORDER	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP CO	WET BULB 23.8	23 2 2	WIND-SPO 16	TRACE OIR 0	5 SQUARE 4
LAT 35 01 N	DAY 20	DATA USE 1	BAROMETR	SEA	WIND-FGR	DURATION 00.4	2 SQUARE 46
LONG 047 57 W	HRUR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E30 003	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.8	085	00000	25.50	36.549	24.36		1537.9							
	085	00010	25.42	36.571	24.42		1537.7							
	085	00020	25.34	36.658	24.51		1537.8							
	085	00030	22.59	36.663	25.33		1531.3							
	085	00050	20.99	36.613	25.74		1527.5							
	085	00075	19.14	36.538	26.18		1522.6							
	085	00100	18.15	36.540	26.43		1520.4							
	085	00125	17.93	36.508	26.46		1520.1							
	085	00150	17.62	36.459	26.50		1519.5							
	085	00200	17.21	36.399	26.55		1519.1							
	085	00250	16.98	36.385	26.60		1519.3							
	085	00300	17.02	36.394	26.60		1520.2							
	085	00350	16.77	36.347	26.62		1520.2							
	085	00400	16.21	36.214	26.65		1519.2							
	085	00500	15.08	36.008	26.75		1517.1							
	085	00600	13.29	35.746	26.93		1512.0							
	085	00700	11.80	35.538	27.06		1509.0							
	085	00800	10.09	35.344	27.22		1504.3							
	085	00850	08.67	35.206	27.35		1499.7							
	085	00900	08.13	35.243	27.46		1498.0							
	085	00922	08.01	35.255	27.44		1498.5							
	085	01000	07.54	35.256	27.56		1493.0							
	085	01100	06.66	35.208	27.65		1490.1							
	085	01200	06.11	35.211	27.73		1495.0							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTOP 04023 AIR TEMP 25.2 DIR HGT PER WIND-DIR 20 INST STO RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 07 SHIP CO WET BULB 23.7 25 3 2 WIND-SPO 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 20 DATA USE 1 BARMETR 1024.0 SEA CL/TR WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 50 W HOUR 23.6 AREA 05 CLOUD T/A WEATHER X1 ORIG E30 004 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
23.6	OBS	00000	25.52	36.673	24.47		1537.9							
	OBS	00010	25.51	36.673	24.47		1536.0							
	OBS	00020	24.71	36.736	24.76		1536.4							
	OBS	00030	22.78	36.778	25.56		1521.9							
	OBS	00050	20.56	36.615	25.86		1526.4							
	OBS	00075	19.16	36.534	26.17		1522.9							
	OBS	00100	17.91	36.493	26.45		1519.7							
	OBS	00125	17.68	36.472	26.50		1519.4							
	OBS	00150	17.43	36.459	26.53		1519.0							
	OBS	00200	17.07	36.401	26.55		1518.7							
	OBS	00250	16.88	36.374	26.61		1518.9							
	OBS	00300	16.70	36.336	26.63		1519.2							
	OBS	00400	15.57	36.162	26.76		1517.2							
	OBS	00500	14.56	35.930	26.80		1515.5							
	OBS	00600	13.04	35.726	26.96		1511.8							
	OBS	00700	11.77	35.564	27.05		1508.9							
	OBS	00800	09.36	35.239	27.27		1501.5							
	OBS	00820	09.11	35.266	27.33		1500.9							
	OBS	00870	08.51	35.186	27.35		1496.7							
	OBS	00900	08.21	35.203	27.42		1498.8							
	OBS	00950	08.08	35.261	27.45		1499.2							
	OBS	01000	07.36	35.199	27.54		1497.2							
	OBS	01100	06.64	35.185	27.63		1496.0							
	OBS	01200	06.13	35.191	27.71		1495.7							
	OBS	01300	05.63	35.128	27.72		1495.3							
	OBS	01400	04.91	35.054	27.75		1493.9							
	OBS	01500	04.61	35.030	27.77		1494.3							

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REFID 31 8117 YEAR 1969 BOTOP 02834 AIR TEMP 25.0 DIR HGT PER WIND-DIR 22 INST STO RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 07 SHIP CO WET BULB 23.1 22 2 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 21 DATA USE 1 BARMETR 1025.2 SEA CL/TR WIND-FLK DURATION 00.5 2 SQUARE 46  
 LONG 047 43 W HOUR 05.6 AREA 05 CLOUD T/A WEATHER X1 ORIG E30 005 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
05.6	OBS	00000	25.43	36.638	24.47		1537.7							
	OBS	00010	25.44	36.639	24.46		1537.6							
	OBS	00020	24.46											
	OBS	00030	22.46											
	OBS	00050	20.71	36.657	25.85		1526.8							
	OBS	00075	19.09											
	OBS	00100	18.09	36.487	26.41		1520.2							
	OBS	00125	17.62	36.467	26.51		1519.2							
	OBS	00150	17.37	36.461	26.56		1518.9							
	OBS	00200	17.03	36.415	26.61		1518.6							
	OBS	00250	16.84	36.380	26.63		1518.8							
	OBS	00300	16.65											
	OBS	00400	15.46	36.169	26.70		1518.1							
	OBS	00500	14.61	35.938	26.80		1515.5							
	OBS	00600	13.21	35.747	26.95		1512.4							
	OBS	00700	11.63	35.529	27.09		1508.4							
	OBS	00800	09.91	35.331	27.24		1503.6							
	OBS	00900	08.43	35.186	27.37		1499.6							
	OBS	00950	08.12	35.256	27.48		1499.4							
	OBS	01000	07.26	35.158	27.53		1496.8							
	OBS	01100	06.49	35.164	27.64		1495.4							
	OBS	01200	05.96	35.163	27.71		1495.0							
	OBS	01300	05.41	35.122	27.74		1494.4							
	OBS	01400	04.89	35.059	27.76		1493.8							
	OBS	01500	04.56	35.025	27.77		1494.1							

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TABLE X.—Continued

REFID 31 8117	YEAR 1969	BOTOP 01559	AIR TEMP 26.0	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 07	SHIP CO	WET BULB 23.2	25 2 2	WIND-SPD 13	TRACE DIR 0	5 SQUARE 4
LAT 35 12 N	DAY 21	DATA USE 1	BAROMETR 1027.0	SEA	WIND-FRQ	DURATION 00.4	2 SQUARE 46
LONG 047 42 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E30 006	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.0	085	00000	25.41	36.645	24.48		1537.6							
	085	00010	25.41	36.646	24.48		1537.8							
	085	00020	24.59	36.661	24.74		1538.1							
	085	00030	23.61											
	085	00050	21.12	36.639	25.73		1527.9							
	085	00075	19.30	36.507	26.11		1523.2							
	085	00100	17.97	36.489	26.44		1519.8							
	085	00125	17.62	36.469	26.51		1519.2							
	085	00150	17.40	36.434	26.53		1518.9							
	085	00200	17.08	36.389	26.58		1518.7							
	085	00250	16.85	36.362	26.61		1518.8							
	085	00300	16.74	36.352	26.63		1519.3							
	085	00400	15.96	36.184	26.68		1518.4							
	085	00500	14.86	35.974	26.77		1516.3							
	085	00600	13.36	35.758	26.92		1512.9							
	085	00700	11.95	35.547	27.04		1509.5							
	085	00800	09.97	35.238	27.16		1505.7							
	085	00824	09.44	35.282	27.29		1502.2							
	085	00849	08.92	35.236	27.34		1500.7							
	085	00860	08.53	35.200	27.37		1499.3							
	085	00900	08.39	35.254	27.43		1499.6							
	085	00915	08.31	35.262	27.45		1499.5							
	085	01000	07.13	35.174	27.56		1496.3							
	085	01100	06.73	35.195	27.63		1496.4							
	085	01200	06.02	35.164	27.70		1495.2							
	085	01300	05.40	35.097	27.73		1494.3							
	085	01400	04.80	35.037	27.75		1493.4							
	085	01500	04.51	35.027	27.77		1493.9							

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REFID 31 8117	YEAR 1969	BOTOP 01918	AIR TEMP 25.9	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 07	SHIP CO	WET BULB 23.6	25 2 2	WIND-SPD 16	TRACE DIR 0	5 SQUARE 4
LAT 35 13 N	DAY 21	DATA USE 1	BAROMETR 1026.8	SEA	WIND-FRQ	DURATION 00.4	2 SQUARE 46
LONG 047 41 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E30 007	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PU4	TOT P	NO2	NO3	SIO3	PH
18.0	085	00000	25.47	36.602	24.43		1537.7							
	085	00010	25.13	36.571	24.51		1537.1							
	085	00020	24.93	36.561	24.56		1536.7							
	085	00030	22.44	36.622	25.34		1530.9							
	085	00050	20.44	36.596	25.88		1526.0							
	085	00075	18.97	36.534	26.22		1522.3							
	085	00100	18.30	36.528	26.38		1520.8							
	085	00125	17.74	36.486	26.49		1519.6							
	085	00150	17.36	36.418	26.53		1516.8							
	085	00200	17.05	36.377	26.58		1518.6							
	085	00250	17.00	36.394	26.60		1519.3							
	085	00300	16.94	36.398	26.62		1520.0							
	085	00400	16.62	36.330	26.64		1520.6							
	085	00500	15.22	36.029	26.73		1517.5							
	085	00600	13.80	35.791	26.86		1514.4							
	085	00700	12.31	35.600	27.01		1510.8							
	085	00800	10.30	35.328	27.17		1505.0							
	085	00900	06.44	35.205	27.39		1499.7							
	085	01000	07.33	35.177	27.53		1497.1							
	085	01075	07.11	35.235	27.61		1497.5							
	085	01100	06.88	35.217	27.63		1497.0							
	085	01200	06.30	35.192	27.65		1496.4							
	085	01300	05.44	35.110	27.72		1494.5							
	085	01400	04.64	35.053	27.76		1493.6							
	085	01500	04.35	35.058	27.79		1494.1							

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TABLE X.—Continued

REFIO 31 8117 YEAR 1969 BCTOP 02110 AIR TEMP 25.2 OIR HGT PER WIND-OIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 07 SHIP CG WET BULB 23.2 24 2 2 WIND-SPO 08 TRACE OIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 21 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 47 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E30 008 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.7	OBS	0000		36.648										
	OBS	0010		36.610										
	OBS	0020		36.650										
	OBS	0030		36.569										
	OBS	0050		36.531										
	OBS	0075		36.487										
	OBS	0100		36.488										
	OBS	0125		36.448										
	OBS	0150		36.427										
	OBS	0200		36.403										
	OBS	0250		36.388										
	OBS	0270		36.383										
	OBS	0300		36.365										
	OBS	0400		36.173										
	OBS	0500		36.948										
	OBS	0600		35.735										
	OBS	0700		35.519										
	OBS	0800		35.328										
	OBS	0900		35.194										
	OBS	1000		35.170										
	OBS	1100		35.190										
	OBS	1200		35.206										
	OBS	1320		35.106										
	OBS	1400		35.065										
	OBS	1500		35.043										

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REFIO 31 8117 YEAR 1969 BCTOP 02597 AIR TEMP 25.1 OIR HGT PER WIND-OIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 07 SHIP CG WET BULB 23.5 25 0 2 WIND-SPO 10 TRACE OIR 0 5 SQUARE 4  
 LAT 35 58 N DAY 22 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 46 W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E30 009 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
05.7	OBS	0000		36.621										
	OBS	0010		36.616										
	OBS	0020		36.587										
	OBS	0030		36.611										
	OBS	0050		36.528										
	OBS	0075		36.467										
	OBS	0100		36.435										
	OBS	0125		36.408										
	OBS	0150		36.389										
	OBS	0200		36.359										
	OBS	0250		36.326										
	OBS	0300		36.266										
	OBS	0400		36.101										
	OBS	0500		35.927										
	OBS	0600		35.766										
	OBS	0700		35.498										
	OBS	0800		35.347										
	OBS	0950		35.254										
	OBS	1000		35.165										
	OBS	1100		35.156										
	OBS	1200		35.127										
	OBS	1300		35.121										
	OBS	1400		35.077										
	OBS	1500		35.051										

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REFIO 31 8117 YEAR 1969 BCTOP 02020 AIR TEMP 27.0 OIR HGT PER WIND-OIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 07 SHIP CG WET BULB 23.5 26 2 2 WIND-SPO 10 TRACE OIR 5 SQUARE 4  
 LAT 35 10 N DAY 22 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 49 W HOUR 19.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E30 010 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.2	OBS	0000	26.18	36.654	24.25		1539.4							
19.2	OBS	0025	25.14	36.669	24.58		1537.4							
19.2	OBS	0050	20.72	36.572	25.78		1526.7							
19.2	OBS	0073	18.90	36.506	26.21		1522.1							
19.2	OBS	0099	18.06	36.478	26.41		1520.1							
19.2	OBS	00149	17.29	36.404	26.54		1518.5							
19.2	OBS	T00198	17.00	36.402	26.61		1518.5							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BGTOP 03224 AIR TEMP 25.0 OIR HGT PER WIND-OIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 07 SHIP CD WET BULB 22.9 24 1 2 WIND-SPO 12 TRACE OIR 5 SQUARE 4  
 LAT 35 11 N DAY 23 DATA USE 1 BAROMETR 1026.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 G11 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	25.82	36.603	24.32		1538.5							
12.0	085	00050	21.12											
12.0	085	00077	19.33											
12.0	085	00102	17.88											
12.0	085	00129	17.49											
12.0	085	00155	17.28											
12.0	085	T00260	16.82											
12.0	085	00366	16.08											
12.0	085	00471	15.03											
12.0	085	00577	13.36	35.738	26.91		1512.5							
12.0	085	00683	11.59	35.499	27.07		1507.9							
12.0	085	00894	08.25	35.214	27.42		1458.9							
12.0	085	01105	06.57	35.173	27.63		1455.8							
12.0	085	T01629	04.35	35.061	27.82		1495.5							

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REFID 31 8117 YEAR 1969 BGTOP 01152 AIR TEMP 26.7 OIR HGT PER WIND-OIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 07 SHIP CD WET BULB 24.4 23 2 2 WIND-SPO 16 TRACE OIR 5 SQUARE 4  
 LAT 35 08 N DAY 24 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 18.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 012 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
18.8	085	00000	25.86	36.434	24.18		1538.4							
18.8	085	00024	24.30	36.578	24.77		1535.3							
18.8	085	00047	20.66	36.586	25.81		1526.5							
18.8	085	00071	18.96	36.524	26.21		1522.2							
18.8	085	00096	18.13	36.531	26.43		1520.3							
18.8	085	00141	17.72	36.467	26.50		1519.8							
18.8	085	T00192	17.29	36.414	26.55		1519.3							

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REFID 31 8117 YEAR 1969 BGTOP 04339 AIR TEMP 26.9 OIR HGT PER WIND-OIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 07 SHIP CD WET BULB 24.1 23 1 2 WIND-SPO 11 TRACE OIR 5 SQUARE 4  
 LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 45 W HOUR 15.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E30 013 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
15.9	085	00000	26.06	36.377	24.07		1538.8							
15.9	085	00022	23.99	36.595	24.87		1534.6							
15.9	085	00043	20.95	36.597	25.74		1527.3							
15.9	085	00065	18.72	36.348	26.29		1521.5							
15.9	085	00086	18.33	36.546	26.35		1520.7							
15.9	085	00129	17.71	36.478	26.45		1519.5							
15.9	085	00171	17.33	36.434	26.55		1519.1							
15.9	085	00256	16.91	36.385	26.62		1519.2							
15.9	085	T00341	16.77	36.363	26.63		1520.1							
15.9	085	00430	16.01	36.205	26.69		1519.1							
15.9	085	00518	14.34	36.005	26.78		1516.9							
15.9	085	00695	12.22	35.569	27.01		1510.4							
15.9	085	T00852	08.65	35.186	27.34		1499.7							
15.9	085	T01329	05.63	35.195	27.77		1465.8							

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REFID 31 8117 YEAR 1969 BGTOP 04828 AIR TEMP 26.0 OIR HGT PER WIND-OIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 07 SHIP CD WET BULB 23.2 28 2 4 WIND-SPO 03 TRACE OIR 5 SQUARE 2  
 LAT 34 49 N DAY 27 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 53 W HOUR 12.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E30 014 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	26.49	36.560	24.08		1540.0							
12.9	085	00024	24.52	36.576	24.70		1535.9							
12.9	085	00049	20.59	36.586	25.83		1526.4							
12.9	085	00073	19.52	36.560	26.10		1523.8							
12.9	085	00098	18.53	36.552	26.34		1521.5							
12.9	085	00146	17.97	36.496	26.44		1520.6							
12.9	085	00971	07.71	35.175	27.47		1458.0							
12.9	085	T01459	04.95	35.085	27.77		1495.1							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BCTOP 03895 AIR TEMP 26.9 DIR HGT PER WIND-OIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 07 SHIP CO WET BULB 23.7 25 3 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 49 N DAY 28 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 015 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.3	085	00000	26.58	36.583	24.06		1540.2							
12.3	085	00025	25.14	36.578	24.51		1537.3							
12.3	085	00051		36.529										
12.3	085	00076	18.43	36.550	26.37		1520.8							
12.3	085	00102	18.00	36.518	26.45		1520.0							
12.3	085	00152	17.50	36.447	26.52		1519.3							
12.3	085	T00203	17.17	36.401	26.57		1519.1							
12.3	085	00305	17.04	36.384	26.58		1520.3							
12.3	085	T00407	16.79	36.353	26.62		1521.2							
12.3	085	00508	15.38	36.071	26.73		1518.2							
12.3	085	T00612	13.77	35.806	26.88		1514.5							
12.3	085	00812	09.91	35.345	27.26		1503.9							
12.3	085	T01010	07.18	35.183	27.56		1496.6							
12.3	085	T01522	04.76	35.028	27.75		1495.3							

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REFID 31 8117 YEAR 1969 BCTOP 04420 AIR TEMP 27.0 DIR HGT PER WIND-OIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 07 SHIP CO WET BULB 24.0 10 3 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 29 DATA USE 1 BAROMETR 1024.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.5 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E30 016 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.5	085	00000	26.81	36.584	23.95		1540.7							
12.5	085	00025	24.72	36.663	24.70		1536.4							
12.5	085	00051	21.15	36.638	25.72		1528.0							
12.5	085	00075	19.49	36.547	26.05		1523.8							
12.5	085	00101	18.29	36.514	26.38		1520.8							
12.5	085	00151	17.74	36.453	26.47		1520.0							
12.5	085	T00203	17.51	36.431	26.51		1520.1							
12.5	085	00303	16.93	36.350	26.58		1519.9							
12.5	085	T00401	16.43	36.268	26.64		1519.9							
12.5	085	00505	15.25	36.018	26.72		1517.7							
12.5	085	00608	13.51	35.752	26.85		1513.5							
12.5	085	00809	09.75	35.314	27.26		1503.2							
12.5	085	01011	07.04	35.160	27.56		1496.1							
12.5	085	T01520	04.56	35.083	27.81		1494.5							

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REFID 31 8117 YEAR 1969 BCTOP 02748 AIR TEMP 25.2 DIR HGT PER WIND-OIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 07 SHIP CO WET BULB 22.0 35 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 30 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.4 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E30 017 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.4	085	00000	26.78	36.588	24.01		1540.7							
12.4	085	00025	23.94	36.655	24.93		1537.0							
12.4	085	00049	21.01	36.586	25.72		1527.5							
12.4	085	00073	18.58	36.524	26.21		1522.3							
12.4	085	00097	18.48	36.560	26.36		1521.3							
12.4	085	00146		36.504										
12.4	085	T00198	17.29	36.417	26.55		1519.4							
12.4	085	00295	17.06	36.429	26.61		1520.3							
12.4	085	T00392	16.56	36.405	26.62		1521.6							
12.4	085	00496	15.67	36.136	26.71		1519.0							
12.4	085	T00598	13.68	35.793	26.88		1513.9							
12.4	085	00604	09.76	35.297	27.24		1503.1							
12.4	085	T01012	06.94	35.170	27.58		1495.6							
12.4	085	T01562	04.36	35.046	27.81		1494.4							

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REFID 31 8117 YEAR 1969 BCTOP 04073 AIR TEMP 25.2 DIR HGT PER WIND-OIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 07 SHIP CO WET BULB 21.3 35 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 31 DATA USE 1 BAROMETR 1026.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 16 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E30 018 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.8	085	00000	26.77	36.628	24.04		1540.7							
12.8	085	00026	22.42	36.679	25.35		1530.9							
12.8	085	00051	20.69	36.644	25.85		1526.8							
12.8	085	00077	19.55	36.600	26.12		1524.0							
12.8	085	00101	18.65	36.556	26.32		1521.9							
12.8	085	00154	17.94	36.512	26.46		1520.7							
12.8	085	T00207	17.53	36.446	26.51		1520.3							
12.8	085	00306	17.01	36.393	26.60		1520.3							
12.8	085	T00403	16.83	36.326	26.64		1520.7							
12.8	085	00509	15.26	36.063	26.75		1517.9							
12.8	085	T00612	13.53	35.761	26.85		1513.6							
12.8	085	00819	09.58	35.326	27.30		1502.7							
12.8	085	T01028	06.98	35.180	27.56		1496.2							
12.8	085	T01570	04.26	35.022	27.80		1494.0							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BOTOP 04266 AIR TEMP 26.2 DIR FGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 08 SHIP CG WET BULB 21.2 04 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 12.4 AREA US CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E30 019 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.4	085	00000	26.51	36.604	24.10		1540.1							
12.4	085	00026	24.33	36.696	24.85		1535.6							
12.4	085	00052	21.37	36.701	25.70		1528.6							
12.4	085	00078	19.56	36.544	26.07		1524.0							
12.4	085	00104	18.31	36.595	26.44		1521.0							
12.4	085	00156	17.81	36.485	26.47		1520.3							
12.4	085	T00211	17.27	36.406	26.54		1519.5							
12.4	085	00311	17.07	36.420	26.60		1520.6							
12.4	085	T00412	16.76	36.350	26.62		1521.2							
12.4	085	00518	15.28	36.060	26.74		1516.1							
12.4	085	T00624	13.59	35.765	26.88		1514.0							
12.4	085	00832	09.43	35.286	27.29		1502.3							
12.4	085	T01042	06.83	35.166	27.55		1495.8							
12.4	085	001578	04.31	35.064	27.83		1494.4							

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REFID 31 8117 YEAR 1969 BOTOP 03952 AIR TEMP 26.1 DIR FGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 08 SHIP CG WET BULB 22.2 01 1 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 02 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 09.8 AREA US CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 U20 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
09.8	085	00000	26.71	36.615	24.05		1540.5							
09.8	085	00023	25.06	36.644	24.59		1537.2							
09.8	085	00048	21.30	36.587	25.64		1526.2							
09.8	085	00071	19.27	36.528	26.14		1523.1							
09.8	085	00095	18.28	36.525	26.35		1520.7							
09.8	085	00142	17.74	36.477	26.48		1519.8							
09.8	085	T00191	17.40	36.427	26.53		1519.6							
09.8	085	00288	17.03	36.412	26.61		1520.1							
09.8	085	T00380	16.98	36.412	26.62		1521.4							
09.8	085	00481	15.82	36.163	26.70		1519.3							
09.8	085	T00578	14.07	35.855	26.85		1514.9							
09.8	085	00772	10.44	35.359	27.17		1505.1							
09.8	085	T00968	07.65	35.210	27.51		1497.8							
09.8	085	T01457	04.83	35.099	27.79		1494.6							

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REFID 31 8117 YEAR 1969 BOTOP 04321 AIR TEMP 27.0 DIR FGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0021 MONTH 06 SHIP CG WET BULB 22.2 04 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 03 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 13.2 AREA US CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 021 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.2	085	00000	26.75	36.659	24.07		1540.7							
13.2	085	00025	24.13	36.646	24.67		1535.0							
13.2	085	00051	21.10	36.575	25.65		1527.5							
13.2	085	00076	19.56	36.570	26.05		1524.0							
13.2	085	00102	18.50											
13.2	085	00151	17.74	36.478	26.45		1523.0							
13.2	085	T00205	17.38	36.423	26.53		1519.8							
13.2	085	00303	17.04	36.403	26.60		1520.3							
13.2	085	T00405	16.61											
13.2	085	00504	15.43	36.060	26.71		1513.3							
13.2	085	T00606	13.59	35.763	26.88		1513.7							
13.2	085	00808	09.96	35.354	27.25		1504.0							
13.2	085	T01009	07.22	35.148	27.52		1496.7							
13.2	085	T01521	04.77	35.095	27.80		1495.4							

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REFID 31 8117 YEAR 1969 BOTOP 02440 AIR TEMP 26.2 DIR FGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0022 MONTH 08 SHIP CG WET BULB 23.0 36 3 3 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 04 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 13.6 AREA US CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E30 022 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.6	085	00000	26.56	36.644	23.95		1541.1							
13.6	085	00025	24.93	36.656	24.63		1536.9							
13.6	085	00051	20.98	36.641	25.77		1527.5							
13.6	085	00076	18.93	36.556	26.25		1522.2							
13.6	085	00102	18.28	36.530	26.39		1520.8							
13.6	085	00152	17.64	36.470	26.45		1520.3							
13.6	085	T00204	17.52	36.443	26.51		1520.2							
13.6	085	00303	17.07	36.382	26.57		1520.4							
13.6	085	T00397	16.77											
13.6	085	00500	15.65	36.117	26.70		1519.0							
13.6	085	00599	14.20	35.803	26.78		1515.7							
13.6	085	00799	10.04	35.326	27.22		1506.1							
13.6	085	T01000	07.34	35.175	27.53		1497.1							
13.6	085	T01513	04.49	35.054	27.80		1494.1							

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 HCTOP 04755 AIR TEMP 26.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0023 MONTH 08 SHIP CC WET BULB 23.7 31 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 05 DATA USE 1 BAROMETR 1024.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER X1 ORIG E30 023 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.1	0BS	00000	26.85	36.644	24.02		1540.9							
12.1	0BS	00027	23.71	36.667	25.01		1534.1							
12.1	0BS	00053	20.53	36.645	25.85		1526.4							
12.1	0BS	00081	19.02	36.577	26.24		1522.6							
12.1	0BS	00107	16.24	36.526	26.40		1520.6							
12.1	0BS	00166	17.71	36.479	26.45		1520.1							
12.1	0BS	00215	17.30	36.296	26.53		1514.6							
12.1	0BS	00321	17.03	36.398	26.60		1520.0							
12.1	0BS	T00427	16.68	36.338	26.63		1521.2							
12.1	0BS	00535	15.02	36.010	26.76		1517.5							
12.1	0BS	T00645	13.16	35.703	26.92		1512.9							
12.1	0BS	00057	09.29	35.269	27.30		1502.2							
12.1	0BS	T01073	06.77	35.202	27.63		1456.1							
12.1	0BS	T01618	04.17	35.036	27.82		1454.5							

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REFID 31 8117 YEAR 1969 BCTOP 04540 AIR TEMP 26.7 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0024 MONTH 08 SHIP CC WET BULB 24.1 33 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 06 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E30 024 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.9	0BS	00000	26.79	36.467	23.91		1540.6							
13.9	0BS	00026	23.06	36.597	25.15		1532.4							
13.9	0BS	00052	20.84	36.577	25.76		1527.1							
13.9	0BS	00078	19.74	36.516	26.00		1524.5							
13.9	0BS	00103	16.04	36.492	26.42		1520.1							
13.9	0BS	00155	17.47	36.432	26.52		1519.2							
13.9	0BS	T00206	17.22	36.425	26.57		1519.3							
13.9	0BS	00306	17.07	36.420	26.60		1520.2							
13.9	0BS	T00406	16.44	36.290	26.64		1520.2							
13.9	0BS	00508	15.11	36.004	26.74		1517.3							
13.9	0BS	00609	13.62	35.776	26.88		1513.9							
13.9	0BS	00813	10.06	35.331	27.22		1504.4							
13.9	0BS	T01016	07.35	35.196	27.54		1457.4							
13.9	0BS	T01554	04.43	35.060	27.81		1494.5							

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REFID 31 8117 YEAR 1969 BOTOP 04773 AIR TEMP 27.5 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0025 MONTH 08 SHIP CC WET BULB 23.6 20 WIND-SPD 02 TRACE DIR 5 SQUARE 2  
 LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 11 W HOUR 12.9 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E30 025 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.9	0BS	00000	27.15	36.645	23.93		1541.5							
12.9	0BS	00023	23.88	36.654	24.95		1534.4							
12.9	0BS	00047	20.73	36.637	25.83		1526.8							
12.9	0BS	00070	18.73	36.565	26.30		1521.0							
12.9	0BS	00095	18.07	36.534	26.45		1520.1							
12.9	0BS	00142	17.71	36.484	26.50		1519.8							
12.9	0BS	T00190	17.38	36.423	26.53		1519.5							
12.9	0BS	00288	16.97	36.395	26.61		1519.9							
12.9	0BS	T00386	16.97	36.407	26.62		1521.5							
12.9	0BS	00481	15.98	36.183	26.68		1519.8							
12.9	0BS	00580	14.34	35.925	26.84		1516.0							
12.9	0BS	00770	10.48	35.358	27.17		1505.2							
12.9	0BS	T00965	07.57	35.196	27.51		1497.4							
12.9	0BS	T01466	04.72	35.082	27.79		1494.3							

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REFID 31 8117 YEAR 1969 BOTOP 04240 AIR TEMP 27.1 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0026 MONTH 08 SHIP CC WET BULB 24.1 19 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 08 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.3 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E30 026 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.3	0BS	00000	27.02	36.650	23.97		1541.3							
12.3	0BS	00025	23.67	36.673	25.03		1533.9							
12.3	0BS	00050	20.56	36.643	25.88		1526.4							
12.3	0BS	00076	18.66	36.559	26.32		1521.2							
12.3	0BS	00101	18.21	36.546	26.42		1520.6							
12.3	0BS	00152	17.80	36.492	26.48		1520.2							
12.3	0BS	00203	17.35	36.421	26.54		1519.6							
12.3	0BS	00304	17.06	36.422	26.61		1520.4							
12.3	0BS	T00406	16.96	36.410	26.62		1521.8							
12.3	0BS	00509	15.49	36.094	26.72		1518.6							
12.3	0BS	00613	13.56	35.767	26.85		1513.8							
12.3	0BS	00823	09.61	35.330	27.29		1502.9							
12.3	0BS	T01031	07.08	35.196	27.58		1496.6							
12.3	0BS	T01578	04.29											

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TABLE X.—Continued

REFID 31 8117 YEAR 1969 BGTOP 04664 AIR TEMP 27.5 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0027 MONTH 08 SHIP CC WET BULB 24.1 31 2 3 WIND-SPD 12 TRACE DIP 5 SQUARE 2  
 LAT 34 41 N DAY 09 DATA USE 1 BAROMETR 1025.6 SEA WIND-FLC DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 13.7 AREA 05 CLOUD T/A 8/2 CLZTR WEATHER 01 ORIG E30 027 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNV VEL	OXYG	P04	TOT P	NO2	NO3	SIU3	PH
13.7	OBS	00000	27.04	36.534	23.66		1541.2							
13.7	OBS	00025	26.60	36.549	24.03		1540.6							
13.7	OBS	00050	24.17	36.574	25.66		1527.9							
13.7	OBS	00075	18.94	36.502	26.20		1522.2							
13.7	OBS	00100	18.30	36.478	26.35		1520.3							
13.7	OBS	00149	17.65	36.453	26.44		1519.7							
13.7	OBS	T00200	17.32	36.408	26.53		1519.5							
13.7	OBS	00299	17.02	36.384	26.59		1520.2							
13.7	OBS	00397	16.64	36.330	26.63		1520.7							
13.7	OBS	00497	15.57	36.098	26.71		1516.7							
13.7	OBS	T00596	13.82	35.812	26.87		1514.4							
13.7	OBS	00794	10.16	35.334	27.20		1504.4							
13.7	OBS	T00984	07.53	35.207	27.53		1457.6							
13.7	OBS	T01492	04.60	35.092	27.82		1454.2							

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REFID 31 8117 YEAR 1969 BGTOP 04663 AIR TEMP 26.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0028 MONTH 08 SHIP CC WET BULB 24.3 29 2 3 WIND-SPD 10 TRACE DIP 5 SQUARE 3  
 LAT 35 44 N DAY 10 DATA USE 1 BAROMETR 1026.2 SEA WIND-FLC DURATION 2 SQUARE 40  
 LONG 050 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CLZTR WEATHER 01 ORIG E30 026 1 SQUARE 50

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNV VEL	OXYG	P04	TOT P	NO2	NO3	SIU3	PH
12.9	OBS	00000	26.99	36.327	23.74		1540.8							
12.9	OBS	00024	26.52	36.369	23.92		1540.2							
12.9	OBS	00047	21.05	36.279	25.47		1527.2							
12.9	OBS	00072	18.58	36.271	26.12		1520.3							
12.9	OBS	00095	18.57	36.254	26.50		1516.5							
12.9	OBS	00143	15.40	36.118	26.76		1512.4							
12.9	OBS	T00192	14.90	36.029	26.80		1511.5							
12.9	OBS	00284	13.85	35.829	26.88		1509.4							
12.9	OBS	T00376	12.82	35.642	26.94		1507.2							
12.9	OBS	00466	11.38	35.461	27.08		1503.5							
12.9	OBS	T00558	09.70	35.261	27.23		1498.8							
12.9	OBS	00739	07.21	35.113	27.50		1492.2							
12.9	OBS	T00926	05.91	35.129	27.65		1450.2							
12.9	OBS	T01424	04.23	35.032	27.81		1451.5							

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TABLE XI.—Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station ECHO, 11 August 1969 - 3 September 1969, prepared from NODC listing No. 31 - 1525.

REFID	31	1525	YEAR	1969	BOTOP	05120	AIR TEMP	28.2	OIR HGT PER	WIND-OIR	03	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0001	MONTH	08	SHIP ML		WET BULB	24.3	31	3	2	TRACE OIR		5 SQUARE	4
LAT	35	18	N	DAY	12	DATA USE	1	BAROMETR	1026.2	SEA		DURATION		2 SQUARE	46
LONG	047	59	W	HR	13.7	AREA	05	CLOUD T/A	8/1	CL/T/A		WEATHER	X1	ORIG E31	001
														1 SQUARE	57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	DRYG	P04	TOT P	NO2	NO3	S103	PH
13.7	085	00000	29.96	36.214	22.67		1547.0							
13.7	085	00025	24.57	36.159	24.37		1535.5							
13.7	085	00050	20.32	36.472	25.82		1525.5							
13.7	085	00075	18.84	36.464	26.20		1521.9							
13.7	085	00101	18.01	36.500	26.44		1520.0							
13.7	085	00151	17.47	36.456	26.53		1519.2							
13.7	085	00202	17.15	36.432	26.55		1519.0							
13.7	085	00303	17.05	36.432	26.62		1520.4							
13.7	085	T00404	16.79	36.373	26.63		1521.2							
13.7	085	00505	15.68	36.154	26.73		1519.2							
13.7	085	00605	14.16											
13.7	085	00806	10.55	35.300	27.11		1506.0							
13.7	085	01007	06.60	35.054	27.54		1494.2							
13.7	085	T01508	04.56	35.042	27.78		1494.3							

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REFID	31	1525	YEAR	1969	BOTOP	04580	AIR TEMP	28.8	OIR HGT PER	WIND-OIR	22	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0002	MONTH	08	SHIP ML		WET BULB	24.0	31	1	3	TRACE OIR		5 SQUARE	2
LAT	34	59	N	DAY	13	DATA USE	1	BAROMETR	1026.1	SEA		DURATION		2 SQUARE	46
LONG	047	48	W	HR	16.8	AREA	05	CLOUD T/A	8/3	CL/T/A		WEATHER	X1	ORIG E31	002
														1 SQUARE	47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
16.8	085	00000	27.45	36.359	23.62		1541.9							
16.8	085	00026	23.77	36.442	24.82		1533.9							
16.8	085	00052	18.51	36.490	26.30		1520.6							
16.8	085	00078	18.04	36.494	26.42		1519.7							
16.8	085	00105	17.68	36.478	26.50		1519.1							
16.8	085	00156	17.24	36.442	26.57		1518.6							
16.8	085	T00210	17.06	36.422	26.61		1518.9							
16.8	085	00311	17.03	36.434	26.62		1520.5							
16.8	085	T00413	16.86	36.402	26.64		1521.6							
16.8	085	00516	15.76	36.176	26.72		1519.7							
16.8	085	00618	14.06	35.852	26.85		1515.6							
16.8	085	00821	09.46	35.202	27.22		1502.2							
16.8	085	T01027	05.83	35.015	27.61		1491.4							
16.8	085	T01529	04.18	35.001	27.79		1493.0							

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REFID	31	1525	YEAR	1969	BOTOP	05120	AIR TEMP	28.3	OIR HGT PER	WIND-OIR	09	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0003	MONTH	08	SHIP ML		WET BULB	25.2	31	3	2	TRACE OIR		5 SQUARE	2
LAT	34	56.1N	DAY	14	DATA USE	1	BAROMETR	1024.6	SEA			DURATION		2 SQUARE	48
LONG	048	11.2W	HR	14.3	AREA	05	CLOUD T/A	8/3	CL/T/A			WEATHER	A1	ORIG E31	003
														1 SQUARE	48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
14.3	085	00000	27.73	36.223	23.42		1542.3							
14.3	085	00024	23.84	36.397	24.77		1534.0							
14.3	085	00050	19.54	36.502	26.05		1523.5							
14.3	085	00075	18.40	36.502	26.34		1520.7							
14.3	085	00100	17.90	36.496	26.46		1519.6							
14.3	085	00149	17.31	36.446	26.57		1518.7							
14.3	085	00200	17.09	36.436	26.61		1518.8							
14.3	085	00200	17.09	36.446	26.62		1520.5							
14.3	085	00301	17.00	36.434	26.63		1521.9							
14.3	085	T00405	17.00	36.434	26.63		1521.9							
14.3	085	00501	16.04	36.226	26.70		1520.4							
14.3	085	T00600	14.15	35.868	26.84		1515.6							
14.3	085	00602	10.69	35.320	27.10		1506.5							
14.3	085	T01008	07.46	35.225	27.55		1497.8							
14.3	085	T01508	04.47	35.035	27.78		1493.9							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 03840 AIR TEMP 27.2 OIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 08 SHIP ML WET BULB 24.2 27 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 15 DATA USE 1 BAROMETR 1020.8 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 03 W HOUR 16.8 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X8 ORIG E31 004 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
16.8	085	00000	27.05	36.260	23.67		1540.9							
16.8	085	00025	23.54	36.259	24.75		1533.2							
16.8	085	00049	19.34	36.570	26.15		1523.0							
16.8	085	00075	18.77	36.530	26.27		1521.8							
16.8	085	00100		36.506										
16.8	085	00149	17.52	36.458	26.52		1519.3							
16.8	085	T00197	17.20	36.428	26.58		1519.1							
16.8	085	00292	17.02	36.418	26.61		1520.1							
16.8	085	T00386	16.91	36.404	26.63		1521.3							
16.8	085	00482	16.04	36.216	26.69		1520.0							
16.8	085	00577	14.71	35.963	26.80		1517.1							
16.8	085	00764		35.406										
16.8	085	T00954	08.01	35.256	27.49		1499.0							
16.8	085	T01475	04.65	35.062	27.79		1494.1							

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REFID 31 1525 YEAR 1969 BOTDP 04626 AIR TEMP 24.4 DIR HGT PER WIND-OIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 08 SHIP ML WET BULB 22.0 26 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 50.0N DAY 16 DATA USE 1 BAROMETR 1017.6 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 09.5W HOUR 13.8 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E31 005 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.8	085	00000	26.78	36.191	23.71		1540.2							
13.8	085	00028	22.99	36.412	25.03		1533.0							
13.8	085	00055	19.49	36.570	26.11		1523.5							
13.8	085	00083	18.35	36.555	26.35		1520.7							
13.8	085	00110	18.02	36.533	26.46		1520.2							
13.8	085	00165	17.45	36.451	26.54		1519.3							
13.8	085	T00221	17.13	36.406	26.58		1519.3							
13.6	085	00325	17.07	36.446	26.62		1520.8							
13.8	085	T00428	16.74	36.362	26.64		1521.4							
13.8	085	00537	15.35	36.080	26.74		1518.6							
13.8	085	T00640	13.60	35.799	26.91		1514.4							
13.8	085	00856	09.56	35.301	27.28		1503.2							
13.8	085	T01068	07.10	35.186	27.57		1497.3							
13.8	085	T01594	04.26	35.008	27.79		1494.4							

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REFID 31 1525 YEAR 1969 BOTDP 02012 AIR TEMP 23.5 OIR HGT PER WIND-OIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 08 SHIP ML WET BULB 20.6 35 4 2 WIND-SPD 19 TRACE DIR 5 SQUARE 4  
 LAT 35 08.0N DAY 17 DATA USE 1 BAROMETR 1019.6 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 09.0W HOUR 15.0 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E31 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
15.0	085	00000	26.59	36.296	23.85		1539.9							
15.0	085	00023	24.47	36.252	24.47		1535.4							
15.0	085	00048	20.11	36.552	25.93		1525.0							
15.0	085	00073	19.07	36.560	26.21		1522.6							
15.0	085	00098		36.544										
15.0	085	00147	17.73	36.488	26.50		1519.9							
15.0	085	T00198	17.29	36.424	26.55		1519.4							
15.0	085	00293	16.98	36.400	26.61		1520.0							
15.0	085	T00389	16.74	36.360	26.64		1520.8							
15.0	085	00487	15.97	36.209	26.70		1519.9							
15.0	085	00581	14.69	35.965	26.80		1517.1							
15.0	085	00767		35.445										
15.0	085	T00958	07.74	35.022	27.35		1497.7							
15.0	085	01488	04.98	35.057	27.74		1495.7							

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REFID 31 1525 YEAR 1969 BOTDP 03623 AIR TEMP 25.2 OIR HGT PER WIND-OIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 08 SHIP ML WET BULB 21.0 06 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 10.4N DAY 18 DATA USE 1 BAROMETR 1021.0 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 54 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E31 007 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	26.40	36.260	23.88		1539.5							
13.0	085	00026	25.73	36.268	24.09		1538.4							
13.0	085	00051	22.22	36.634	25.42		1530.7							
13.0	085	00077	20.27	36.614	25.94		1526.0							
13.0	085	00101	18.65	36.494	26.27		1521.8							
13.0	085	00154	17.75	36.494	26.49		1520.1							
13.0	085	T00205	17.30	36.482	26.60		1519.6							
13.0	085	00299	17.04	36.425	26.62		1520.3							
13.0	085	T00392	16.91	36.405	26.63		1521.4							
13.0	085	00487	16.00	36.209	26.69		1520.0							
13.0	085	T00580	14.58	35.948	26.81		1516.7							
13.0	085	00771		35.453										
13.0	085	T00974	06.55	35.022	27.52		1493.4							
13.0	085	T01483	04.44	35.026	27.78		1493.3							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 04572 AIR TEMP 25.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 08 SHIP ML WET BULB 21.9 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 19 DATA USE 1 BAROMETR 1020.1 SEA WIND-FLK DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 14.0 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E31 008 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
14.0	08S	00000	26.41	36.314	23.92		1539.5							
14.0	08S	00026	23.47	36.438	24.91		1533.2							
14.0	08S	00051	19.92	36.566	25.95		1524.6							
14.0	08S	00078	18.63	36.551	26.32		1521.4							
14.0	08S	00103	18.00	36.522	26.45		1520.0							
14.0	08S	00155	17.54	36.462	26.52		1519.4							
14.0	08S	T00205	17.18	36.413	26.57		1519.1							
14.0	08S	00307	17.06	36.428	26.61		1520.5							
14.0	08S	T00411	16.94	36.408	26.63		1521.8							
14.0	08S	00508	16.05	36.215	26.65		1520.5							
14.0	08S	T00602	14.06	35.848	26.85		1515.3							
14.0	08S	00812	09.60	35.244	27.23		1502.6							
14.0	08S	T01015	07.10	35.171	27.56		1496.4							
14.0	08S	T01538	04.39	35.007	27.77		1494.0							

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REFID 31 1525 YEAR 1969 BOTDP 03931 AIR TEMP 26.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 08 SHIP ML WET BULB 22.4 WIND-SPD 04 TRACE DIR 5 SQUARE 2  
 LAT 34 58.0M DAY 20 DATA USE 1 BAROMETR 1018.7 SEA WIND-FLR DURATION 2 SQUARE 48  
 LONG 048 09.0M HOUR 12.5 AREA 05 CLGUD T/A 8/2 CL/TR WEATHER X1 ORIG E31 009 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.5	08S	00000	26.01	36.413	24.12		1538.7							
12.5	08S	00025	25.94	36.461	24.17		1539.0							
12.5	08S	00051	20.64	36.495	25.75		1526.4							
12.5	08S	00076	19.09	36.487	26.15		1522.6							
12.5	08S	00101	18.10	36.495	26.41		1520.2							
12.5	08S	00151	17.48	36.453	26.53		1519.2							
12.5	08S	T00203	17.10	36.399	26.58		1518.9							
12.5	08S	00301	17.07	36.419	26.60		1520.4							
12.5	08S	T00397	16.91	36.391	26.62		1521.5							
12.5	08S	00497	15.87	36.169	26.69		1519.7							
12.5	08S	T00592	14.22	35.882	26.84		1515.7							
12.5	08S	00794	10.00	35.272	27.18		1503.8							
12.5	08S	T00991	07.34	35.193	27.54		1497.0							
12.5	08S	T01496	04.51	35.027	27.77		1493.8							

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REFID 31 1525 YEAR 1969 BOTDP 03931 AIR TEMP 24.2 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 08 SHIP ML WET BULB 23.0 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 03.0M DAY 21 DATA USE 1 BAROMETR 1018.6 SEA WIND-FLR DURATION 2 SQUARE 48  
 LONG 048 12.2M HOUR 15.6 AREA 05 CLGUD T/A 5/6 CL/TR WEATHER X5 ORIG E31 010 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PU4	TOT P	NO2	NO3	SIO3	PH
15.6	08S	00000	26.88	36.328	23.78		1540.6							
15.6	08S	00024	26.57	36.310	23.86		1540.3							
15.6	08S	00048	22.93	36.431	25.06		1532.2							
15.6	08S	00072	19.78	36.540	26.01		1524.5							
15.6	08S	00096	18.54	36.532	26.33		1521.4							
15.6	08S	00144	17.71	36.472	26.49		1519.8							
15.6	08S	T00192	17.30	36.432	26.56		1519.3							
15.6	08S	00264	17.06	36.420	26.61		1520.1							
15.6	08S	T00373	16.96	36.400	26.62		1521.2							
15.6	08S	00471	16.01	36.189	26.68		1519.7							
15.6	08S	00564	14.81	35.966	26.76		1517.2							
15.6	08S	T00938	07.50	35.134	27.47		1496.6							
15.6	08S	T01468	04.58	35.048	27.78		1493.7							

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REFID 31 1525 YEAR 1969 BOTDP 04389 AIR TEMP 28.2 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 08 SHIP ML WET BULB 24.9 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 20 N DAY 22 DATA USE 1 BAROMETR 1019.9 SEA WIND-FLR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 14.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E31 011 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NU2	NO3	SIO3	PH
14.2	08S	00000	26.90	36.322	23.77		1540.6							
14.2	08S	00022	25.39	36.315	24.24		1537.6							
14.2	08S	00045	22.81	36.586	25.21		1532.1							
14.2	08S	00069	20.69	36.591	25.81		1527.0							
14.2	08S	00092	19.96	36.609	26.02		1525.4							
14.2	08S	00139	18.76	36.572	26.30		1522.8							
14.2	08S	T00186	17.62	36.452	26.45		1520.2							
14.2	08S	00276	17.14	36.426	26.59		1520.2							
14.2	08S	T00367	17.03	36.428	26.62		1521.4							
14.2	08S	00460	16.86	36.391	26.63		1522.4							
14.2	08S	00549	16.09	36.219	26.68		1521.3							
14.2	08S	00735	13.45	35.669	26.84		1515.3							
14.2	08S	T00928	08.56	35.173	27.34		1500.6							
14.2	08S	T01448	04.61	35.031	27.77		1493.5							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTOP 04114 AIR TEMP 26.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 08 SHIP ML WET BULB 24.0 24 4 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 23 DATA USE 1 BAROMETR 1017.2 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 51 W HOUR 13.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E31 Q12 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.4	085	00000	26.68	36.273	23.80		1540.1							
13.4	085	00026	26.26	36.272	23.93		1539.6							
13.4	085	00050	22.97	36.581	25.16		1532.5							
13.4	085	00074	18.78	36.540	26.27		1521.8							
13.4	085	00098	18.07	36.501	26.42		1520.1							
13.4	085	00143	17.55	36.456	26.52		1519.3							
13.4	085	T00187	17.24	36.429	26.57		1519.0							
13.4	085	00282	17.06	36.420	26.61		1520.1							
13.4	085	T00379	16.93	36.408	26.63		1521.3							
13.4	085	00478	16.08	36.218	26.68		1520.1							
13.4	085	00576	14.73	35.967	26.79		1517.2							
13.4	085	00769	10.94	35.410	27.12		1506.9							
13.4	085	T00958	08.04	35.261	27.49		1499.2							
13.4	085	T01473	04.71	35.067	27.78		1494.3							

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REFID 31 1525 YEAR 1969 BOTOP 04400 AIR TEMP 26.8 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 08 SHIP ML WET BULB 21.5 30 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 58.3N DAY 25 DATA USE 1 BAROMETR 1014.3 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 09.0W HOUR 13.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E31 Q13 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.9	085	00000		36.256										
13.9	085	00028		36.272										
13.9	085	00055		36.585										
13.9	085	00083		36.573										
13.9	085	00110		36.545										
13.9	085	00166	17.97	36.525	26.46		1520.9							
13.9	085	00221	17.41	36.456	26.55		1520.1							
13.9	085	00331	17.08	36.420	26.60		1520.9							
13.9	085	T00444	16.81	36.364	26.62		1521.9							
13.9	085	00553	15.27	36.061	26.75		1518.6							
13.9	085	T00662	13.37	35.732	26.90		1513.9							
13.9	085	00885	08.15	35.106	27.35		1458.2							
13.9	085	T01114	05.42	34.999	27.65		1451.1							
13.9	085	T01663	04.08	34.989	27.79		1494.8							
17.3	085	T02007	03.75	34.962	27.80		1499.2							
17.3	085	T02502	03.38	34.961	27.84		1506.1							
17.3	085	03000	02.99	34.951	27.87		1513.0							
17.3	085	03500	02.58	34.932	27.89		1520.0							
17.3	085	04000	02.34	34.912	27.89		1527.7							
17.3	085	T04302	02.27	34.896	27.89		1532.7							
17.3	085	T04354	02.26	34.898	27.89		1533.6							

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REFID 31 1525 YEAR 1969 BOTOP 04600 AIR TEMP 27.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 08 SHIP ML WET BULB 20.1 05 3 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 26 DATA USE 1 BAROMETR 1021.6 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 14.5 AREA 05 CLOUD T/A J/1 CL/TR WEATHER X1 ORIG E31 Q14 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
14.5	085	00000	26.61	36.277	23.82		1539.9							
14.5	085	00026	26.36	36.262	23.85		1539.8							
14.5	085	00052	22.63	36.552	25.24		1531.7							
14.5	085	00078	19.98											
14.5	085	00104	19.03	36.565	26.23		1523.0							
14.5	085	00156	17.90	36.505	26.47		1520.6							
14.5	085	T00209	17.44	36.450	26.54		1520.0							
14.5	085	00309		36.434										
14.5	085	T00407	17.02	36.434	26.63		1522.0							
14.5	085	00508	16.10	36.220	26.68		1520.6							
14.5	085	T00603	14.49	35.931	26.82		1516.8							
14.5	085	00753	10.65	35.370	27.15		1506.2							
14.5	085	T00976	06.73	35.023	27.49		1494.1							
14.5	085	T01497	04.53	35.031	27.77		1453.9							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTDP 04742 AIR TEMP 25.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 08 SHIP ML WET BULB 20.0 34 3 4 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 51.0N DAY 27 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR 00 DURATION 2 SQUARE 48  
 LONG 048 05.0W HOUR 14.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 DRIG E31 015 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.3	08S	00000	26.41	36.293	23.90		1539.5							
13.3	08S	00025	24.45	36.370	24.56		1535.5							
13.3	08S	00051	20.94	36.549	25.71		1527.3							
13.3	08S	00076	19.37	36.525	26.11		1523.4							
13.3	08S	00102	18.25											
13.3	08S	00151	17.62	36.481	26.52		1519.6							
13.3	08S	00202	17.34	36.455	26.57		1519.0							
13.3	08S	00304	16.99	36.388	26.60		1520.2							
13.3	08S	T00405	16.92	36.402	26.63		1521.6							
13.3	08S	00506	15.88	36.187	26.71		1515.9							
13.3	08S	T00601	14.06	35.855	26.85		1515.3							
13.3	08S	00807	09.87	35.294	27.22		1503.6							
13.3	08S	T01014	06.11	35.024	27.58		1492.4							
13.3	08S	T01512	04.30	35.016	27.79		1493.2							

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REFID 31 1525 YEAR 1969 BOTDP 04166 AIR TEMP 26.5 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 08 SHIP ML WET BULB 24.5 20 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 54.0N DAY 28 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR 00 DURATION 2 SQUARE 48  
 LONG 048 24.5W HOUR 13.5 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 DRIG E31 016 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.5	08S	00000	26.61	36.317	23.85		1540.0							
13.5	08S	00026	26.49											
13.5	08S	00053	21.64	36.467	25.45		1529.1							
13.5	08S	00080	19.20	36.499	26.13		1523.0							
13.5	08S	00105	18.21	36.499	26.38		1520.6							
13.5	08S	00156	17.46	36.459	26.54		1519.2							
13.5	08S	T00204	17.20											
13.5	08S	00302	17.05	36.428	26.61		1520.4							
13.5	08S	T00391	16.93	36.410	26.63		1521.5							
13.5	08S	00482	16.09	36.223	26.68		1520.2							
13.5	08S	T00573	14.76	35.963	26.78		1517.2							
13.5	08S	00759		35.432										
13.5	08S	T00945	06.62	35.014	27.50		1493.1							
13.5	08S	T01465	04.59	35.043	27.78		1493.7							

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REFID 31 1525 YEAR 1969 BOTDP 04100 AIR TEMP 25.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 08 SHIP ML WET BULB 23.4 28 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4  
 LAT 35 11.0N DAY 29 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR 00 DURATION 2 SQUARE 48  
 LONG 048 16.0W HOUR 13.0 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X6 DRIG E31 017 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.0	08S	00000	26.26	36.337	23.98		1539.2							
13.0	08S	00030	25.14	36.326	24.32		1537.1							
13.0	08S	00059	20.62	36.549	25.79		1526.6							
13.0	08S	00089	18.88	36.528	26.24		1522.3							
13.0	08S	00119	18.07	36.539	26.45		1520.5							
13.0	08S	00177	17.48	36.456	26.53		1519.6							
13.0	08S	T00235	17.13	36.430	26.60		1519.5							
13.0	08S	00348	17.05	36.419	26.61		1521.1							
13.0	08S	T00458	16.80	36.340	26.61		1522.1							
13.0	08S	00568	15.64	36.130	26.72		1520.1							
13.0	08S	T00674	13.54	35.758	26.89		1514.7							
13.0	08S	00903	08.69	35.184	27.33		1500.6							
13.0	08S	T01132	05.38	35.009	27.66		1491.3							
13.0	08S	T01736	04.13	34.998	27.79		1496.3							

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REFID 31 1525 YEAR 1969 BOTDP 04000 AIR TEMP 25.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 08 SHIP ML WET BULB 21.5 34 5 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 06.0N DAY 30 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR 00 DURATION 2 SQUARE 48  
 LONG 048 20.0W HOUR 13.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 DRIG E31 018 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.8	08S	00000	26.19	36.246	23.93		1539.0							
13.8	08S	00022	24.56	36.382	24.53		1535.7							
13.8	08S	00044	21.58	36.584	25.45		1529.9							
13.8	08S	00066	20.24	36.544	25.89		1525.7							
13.8	08S	00087	19.41	36.542	26.11		1523.8							
13.8	08S	00131	18.04	36.497	26.43		1520.5							
13.8	08S	T00174	17.46	36.447	26.53		1519.5							
13.8	08S	00259	17.13	36.413	26.58		1519.9							
13.8	08S	T00338	17.07	36.418	26.60		1521.0							
13.8	08S	00422	17.01	36.412	26.61		1522.2							
13.8	08S	T00498	16.42	36.273	26.65		1521.6							
13.8	08S	00665	13.74	35.788	26.87		1515.2							
13.8	08S	T00837	10.42	35.324	27.15		1506.1							
13.8	08S	T01322	04.94	35.034	27.73		1492.7							

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TABLE XI.—Continued

REFID 31 1525 YEAR 1969 BOTOP 03700 AIR TEMP 25.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 08 SHIP ML WET BULB 19.8 36 2 2 WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 31 DATA USE 1 BAROMETR 1019.6 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 14.2 CLOUD T/A 7/7 CL/TR WEATHER X1 ORIG E31 019 1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	JXYG	PD4	TGT P	ND2	ND3	SI03	PH
14.2	0BS	00000	26.22	36.308	23.97		1539.1							
14.2	0BS	00026	26.17	36.306	23.99		1539.4							
14.2	0BS	00050	22.11	36.538	25.37		1530.3							
14.2	0BS	00075	19.80	36.518	25.99		1524.6							
14.2	0BS	00099	18.46	36.518	26.34		1521.3							
14.2	0BS	00149	17.74	36.470	26.48		1519.9							
14.2	0BS	T00201	17.32	36.474	26.48		1519.5							
14.2	0BS	00293	17.02	36.392	26.55		1520.1							
14.2	0BS	T00387	16.88	36.396	26.63		1521.2							
14.2	0BS	00481	15.96	36.193	26.66		1519.7							
14.2	0BS	T00567	14.48	36.006	26.77		1517.9							
14.2	0BS	00755	11.84	35.521	27.04		1510.0							
14.2	0BS	T00943	07.81	35.131	27.43		1497.9							
14.2	0BS	T01432	04.74	35.046	27.76		1493.7							

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REFID 31 1525 YEAR 1969 BOTOP 03400 AIR TEMP 26.3 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 09 SHIP ML WET BULB 23.0 05 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 02.0N DAY 01 DATA USE 1 BAROMETR 1014.3 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 12.4W HOUR 13.9 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E31 020 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	JXYG	PD4	TGT P	ND2	ND3	SI03	PH
13.9	0BS	00000	26.06	36.281	24.00		1536.7							
13.9	0BS	00024	25.98	36.274	24.02		1538.9							
13.9	0BS	00047	20.80	36.529	25.73		1526.8							
13.9	0BS	00070	19.04	36.509	26.18		1522.4							
13.9	0BS	00089	18.37	36.510	26.35		1520.8							
13.9	0BS	00136	17.75	36.476	26.48		1519.8							
13.9	0BS	T00178	17.49	36.455	26.53		1519.7							
13.9	0BS	00263	17.08	36.415	26.60		1519.8							
13.9	0BS	T00398	17.07	36.426	26.61		1521.0							
13.9	0BS	00424	16.99	36.406	26.61		1522.2							
13.9	0BS	T00498	15.82	36.182	26.70		1519.3							
13.9	0BS	00669	13.28	35.708	26.90		1513.7							
13.9	0BS	T00841	09.03	35.259	27.34		1501.0							
13.9	0BS	T01269	05.07	35.069	27.74		1492.4							

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REFID 31 1525 YEAR 1969 BOTOP 04800 AIR TEMP 24.0 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0021 MONTH 09 SHIP ML WET BULB 21.1 31 4 3 WIND-SPD 25 TRACE DIR 5 SQUARE 2  
 LAT 34 49.0N DAY 02 DATA USE 1 BAROMETR 1017.0 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 04.8W HOUR 12.0 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E31 021 1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	JXYG	PD4	TGT P	ND2	ND3	SI03	PH
12.0	0BS	00000	25.95	36.197	23.97		1538.4							
12.0	0BS	00025	25.12	36.264	24.28		1536.9							
12.0	0BS	00050	21.90	36.541	25.55		1528.7							
12.0	0BS	00075	19.51	36.566	26.10		1523.9							
12.0	0BS	00100	18.53	36.520	26.32		1521.5							
12.0	0BS	00151	17.94	36.502	26.45		1520.6							
12.0	0BS	T00204	17.65	36.499	26.52		1520.6							
12.0	0BS	00301	17.11	36.411	26.55		1520.5							
12.0	0BS	T00400	17.01	36.404	26.61		1521.8							
12.0	0BS	00501	16.12	36.202	26.66		1520.6							
12.0	0BS	T00601	14.29	35.882	26.82		1516.1							
12.0	0BS	00807	10.00	35.283	27.19		1504.0							
12.0	0BS	T01017	06.16	34.998	27.55		1492.5							
12.0	0BS	T01548	04.27	34.996	27.78		1493.7							
14.3	0BS	T02156	03.63	34.989	27.82		1501.3							
14.3	0BS	T02697	03.28	34.567	27.85		1509.1							
14.3	0BS	03242	02.79	34.932	27.87		1516.4							
14.3	0BS	T03804	02.40	34.912	27.89		1524.5							
14.3	0BS	04343	02.28	34.897	27.89		1533.5							
14.3	0BS	T04629	02.29	34.891	27.88		1538.6							
14.3	0BS	T04694	02.28	34.890	27.88		1539.7							

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TABLE XII.- Observed and interpolated oceanographic data for stations taken by USCGC BOUTWELL at Ocean Station ECHO, 26 September 1969 - 19 October 1969, prepared from NODC listing No. 31 - 8128.

REFID 31 8128 YEAR 1969 BOTOP U4566 AIR TEMP 25.2 DIF HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0001 MONTH 09 SHIP UU WET BULB 23.2 WIND-SPD 06 TRACE DIR D 5 SQUARE 4  
 LAT 35 00 N DAY 27 DATA USE 1 BAROMETR 1016.6 SEA WIND-FUN K DURATION 00.3 2 SQUARE 48  
 LONG 046 00 W HOUR 05.5 AREA 05 CLOUD T/A CL/TR WEATHER X3 CRIG E32 C01 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	S103	PH
05.5	OBS	00000	25.55	36.47	24.30		1537.7							
	OBS	00010	25.41	36.47	24.36		1537.6							
	OBS	00020	25.03											
	OBS	00030	23.78											
	OBS	00050	20.23											
	OBS	00075	18.53	36.50	26.30		1521.0							
	OBS	00100	17.81	36.49	26.47		1519.4							
	OBS	00125	17.68	36.48	26.50		1519.4							
	OBS	00150	17.38	36.45	26.55		1518.9							
	OBS	00200	17.15	36.44	26.60		1519.0							
	OBS	00250	17.06	36.42	26.61		1519.5							
	OBS	00300	16.97	36.42	26.63		1520.1							
	OBS	00400	16.58	36.32	26.64		1520.4							
	OBS	00500	15.75	36.17	26.72		1519.4							
	OBS	00600	14.54	35.91	26.79		1516.9							
	OBS	00700	12.65	35.61	26.95		1511.9							
	OBS	00800	10.20	35.32	27.15		1504.7							
	OBS	00900	07.89	35.11	27.40		1497.5							
	OBS	01000	06.46	35.02	27.53		1493.4							
	OBS	01100	05.43	35.02	27.66		1491.0							
	OBS	01200	04.89	35.00	27.71		1490.4							
	OBS	01300	04.66	35.02	27.75		1491.2							
	OBS	01400	04.39	34.99	27.76		1491.7							
	OBS	01500	04.23	34.98	27.77		1492.7							

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REFID 31 8128 YEAR 1969 BOTOP U4572 AIR TEMP 27.2 DIF HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 09 SHIP UU WET BULB 23.5 WIND-SPD 06 TRACE DIR D 5 SQUARE 2  
 LAT 34 57 N DAY 27 DATA USE 1 BAROMETR 1017.3 SEA WIND-FUN K DURATION 00.3 2 SQUARE 48  
 LONG 046 02 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E32 C02 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	S103	PH
11.5	OBS	00000	25.13	36.39	24.36		1536.8							
	OBS	00010	24.97	36.52	24.52		1536.6							
	OBS	00020	24.53	36.46	24.61		1535.7							
	OBS	00030	23.53	36.47	24.91		1533.5							
	OBS	00050	20.45	36.54	25.83		1526.0							
	OBS	00075	18.71	36.50	26.26		1521.5							
	OBS	00100	18.01	36.52	26.45		1520.9							
	OBS	00125	17.66	36.48	26.51		1519.3							
	OBS	00150	17.49	36.46	26.53		1519.2							
	OBS	00200	17.17	36.44	26.60		1519.1							
	OBS	00250	17.09	36.45	26.62		1519.7							
	OBS	00300	17.01	36.43	26.63		1520.2							
	OBS	00400	16.85	36.40	26.64		1521.4							
	OBS	00500	15.47	36.09	26.72		1518.4							
	OBS	00600	13.95	35.81	26.94		1514.9							
	OBS	00700	11.92	35.51	27.02		1509.3							
	OBS	00800	10.15	35.30	27.18		1504.3							
	OBS	00900	08.24	35.14	27.37		1498.8							
	OBS	01000	06.46	35.04	27.54		1493.3							
	OBS	01100	05.59	35.04	27.66		1491.6							
	OBS	01200	04.94	35.02	27.72		1490.6							
	OBS	01300	04.64	35.00	27.74		1491.1							
	OBS	01400	04.44	34.99	27.75		1491.9							
	OBS	01500	04.24	34.98	27.77		1492.7							

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REFID 31 8128 YEAR 1969 BOTOP U4023 AIR TEMP 25.0 DIF HGT PER WIND-DIR 35 INST NANSEN CASI TEN SQ 1206  
 CONSEC 0003 MONTH 09 SHIP UU WET BULB 22.6 WIND-SPD 12 TRACE DIR D 5 SQUARE 4  
 LAT 35 06 N DAY 28 DATA USE 1 BAROMETR 1017.6 SEA WIND-FUN K DURATION 00.3 2 SQUARE 48  
 LONG 047 42.5 W HOUR 12.8 AREA 05 CLOUD T/A B/F CL/TR WEATHER X1 CRIG E32 C03 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	S103	PH
12.8	OBS	00000	24.82	36.231	24.35		1535.6							
	OBS	00024	24.76	36.224	24.36		1536.1							
	OBS	00050	23.84	36.334	24.72		1534.4							
	OBS	00074	20.11	36.534	25.92		1523.4							
	OBS	00100	18.75	36.426	26.15		1522.0							
	OBS	00149	17.79	36.436	26.44		1520.0							
	OBS	T00197	17.58	36.447	26.50		1520.2							
	OBS	T00294	17.24	36.427	26.57		1520.8							
	OBS	T00389	16.88	36.332	26.58		1521.2							
	OBS	T00485	15.76	36.116	26.64		1519.1							
	OBS	T00580	14.38	35.864	26.79		1516.0							
	OBS	T00776	11.14	35.400	27.06		1507.8							
	OBS	T00979	07.23	35.086	27.44		1496.2							
	OBS	T01468	04.40	35.001	27.77		1492.4							

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TABLE XII.—Continued

REFID 31 8120 YEAR 1969 ECTOP U3612 AIR TEMP 23.3 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 09 SHIP DU WET BULB 21.1 01 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 29 DATA USE 1 BAROMETR 1019.0 SEA WIND-FORK DURATION 2 SQUARE 48  
 LONG 048 08 W HGUR 1.24 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER X1 ORIG E32 004 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIU3	PH
12.4	DBS	00000	25.37	36.477	24.36		1537.3							
12.4	DBS	00024	25.18	36.430	24.35		1537.2							
12.4	DBS	00050	22.45	36.515	25.25		1531.2							
12.4	DBS	00074	19.37	36.556	26.13		1525.4							
12.4	DBS	00099	18.38	36.526	26.36		1521.0							
12.4	DBS	00148	17.54	36.456	26.52		1515.3							
12.4	DBS	T00199	17.23	36.418	26.56		1514.2							
12.4	DBS	00249	17.63	36.428	26.62		1520.3							
12.4	DBS	T00399	16.71	36.350	26.64		1520.9							
12.4	DBS	00499	15.16	36.036	26.75		1517.4							
12.4	DBS	T00597	13.82	35.803	26.86		1514.4							
12.4	DBS	00601	09.86	35.295	27.22		1505.5							
12.4	DBS	01003	06.14	35.014	27.57		1492.2							
12.4	DBS	T01511	04.29	34.990	27.77		1495.1							

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REFID 31 8128 YEAR 1969 ECTOP U4480 AIR TEMP 25.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 09 SHIP DU WET BULB 23.9 18 1 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 30 DATA USE 1 BAROMETR 1017.6 SEA WIND-FORK DURATION 2 SQUARE 46  
 LONG 047 58 W HGUR 12.3 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X1 ORIG E32 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIU3	PH
12.3	DBS	00000	24.58	36.330	24.57		1536.3							
12.3	DBS	00025	24.92	36.327	24.35		1536.5							
12.3	DBS	00051	22.62	36.512	25.21		1531.6							
12.3	DBS	00076	19.08	36.537	26.19		1522.6							
12.3	DBS	00102	18.29	36.527	26.35		1520.8							
12.3	DBS	00152	17.65	36.489	26.52		1519.8							
12.3	DBS	T00202	17.19	36.422	26.58		1519.1							
12.3	DBS	00305	17.02	36.428	26.62		1520.3							
12.3	DBS	T00406	16.93	36.400	26.62		1521.7							
12.3	DBS	00508	15.42	36.088	26.73		1518.4							
12.3	DBS	T00606	13.50	35.747	26.85		1515.4							
12.3	DBS	00812	09.93	35.292	27.21		1505.9							
12.3	DBS	T01015	06.64	35.025	27.55		1492.0							
12.3	DBS	T01532	04.29	35.000	27.76		1493.5							

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REFID 31 8128 YEAR 1969 ECTOP U4297 AIR TEMP 26.7 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 10 SHIP DU WET BULB 23.9 24 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 01 DATA USE 1 BAROMETR 1019.0 SEA WIND-FORK DURATION 2 SQUARE 48  
 LONG 048 06 W HGUR 12.1 AREA 05 CLOUD T/A 1/5 CL/TR WEATHER X1 ORIG E32 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIU3	PH
12.1	DBS	00000	25.16	36.388	24.36		1536.8							
12.1	DBS	00024	24.93	36.384	24.43		1536.6							
12.1	DBS	00050	21.72	36.573	25.51		1529.4							
12.1	DBS	00074	19.13	36.548	26.19		1522.8							
12.1	DBS	00100	18.08	36.519	26.43		1520.2							
12.1	DBS	00149	17.47	36.454	26.53		1519.1							
12.1	DBS	T00197	17.13	36.408	26.58		1518.9							
12.1	DBS	00299	17.01	36.428	26.62		1520.2							
12.1	DBS	T00403	16.82	36.374	26.63		1521.3							
12.1	DBS	00500	15.81	36.162	26.70		1519.0							
12.1	DBS	T00599	14.33	35.889	26.82		1516.2							
12.1	DBS	00801	10.28	35.336	27.18		1505.0							
12.1	DBS	01002	06.13	35.010	27.56		1492.1							
12.1	DBS	T01509	04.35	34.991	27.76		1493.4							

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REFID 31 8128 YEAR 1969 ECTOP U3292 AIR TEMP 25.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 10 SHIP DU WET BULB 23.3 23 2 2 WIND-SPD 30 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FORK DURATION 2 SQUARE 48  
 LONG 048 06 W HGUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIU3	PH
12.1	DBS	00000	24.92	36.272	24.35		1536.1							
12.1	DBS	00022	24.92	36.315	24.36		1536.5							
12.1	DBS	00045	21.34	36.554	25.60		1528.3							
12.1	DBS	00067	19.47	36.558	26.11		1523.6							
12.1	DBS	00090	18.53	36.527	26.33		1521.3							
12.1	DBS	00135	17.82	36.493	26.48		1520.0							
12.1	DBS	T00181	17.54	36.455	26.52		1519.9							
12.1	DBS	00273	17.03	36.400	26.60		1519.8							
12.1	DBS	00365	16.47	36.397	26.61		1521.1							
12.1	DBS	00459	15.68	36.133	26.71		1518.4							
12.1	DBS	T00552	14.66	35.991	26.83		1516.0							
12.1	DBS	00744	11.53	35.476	27.07		1508.7							
12.1	DBS	T00932	07.42	35.097	27.46		1496.2							
12.1	DBS	T01439	04.47	34.992	27.75		1492.7							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1969 BOTDP 03749 AIR TEMP 22.8 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 10 SHIP 00 WET BULB 18.4 01 2 3 WIND-SPD 37 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 03 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR 41 DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.0 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E32 003 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.0	08S	0000	24.85	36.279	24.37		1535.4							
12.0	08S	00024	24.82	36.274	24.38		1536.2							
12.0	08S	00049	21.71	36.470	25.42		1524.2							
12.0	08S	00072	18.86	36.476	26.20		1521.9							
12.0	08S	00097	18.08	36.493	26.41		1520.1							
12.0	08S	00145	17.56	36.461	26.52		1514.3							
12.0	08S	T00194	17.27	36.439	26.57		1514.3							
12.0	08S	00291	17.04	36.417	26.61		1520.2							
12.0	08S	00367	16.69	36.331	26.63		1520.6							
12.0	08S	00484	15.50											
12.0	08S	00581	14.55	35.982	26.84		1516.7							
12.0	08S	00779	10.32	35.340	27.18		1504.8							
12.0	08S	T00979	06.13	35.015	27.57		1451.8							
12.0	08S	T01488	04.36	34.999	27.77		1493.1							

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REFID 31 8128 YEAR 1969 BOTDP 04041 AIR TEMP 25.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 10 SHIP 00 WET BULB 21.1 23 3 3 WIND-SPD 35 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 04 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR 41 DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E32 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	24.23	35.996	24.35		1534.1							
12.0	08S	00021	24.21	35.988	24.35		1534.4							
12.0	08S	00043	22.68	36.371	25.08		1531.4							
12.0	08S	00065	20.44	36.588	25.87		1526.2							
12.0	08S	00087	19.13	36.571	26.21		1523.0							
12.0	08S	00132	17.99	36.509	26.45		1520.4							
12.0	08S	T00177	17.64	36.475	26.51		1520.1							
12.0	08S	00271	17.15	36.426	26.59		1520.2							
12.0	08S	T00368	16.99	36.415	26.62		1521.3							
12.0	08S	00460	15.96	36.217	26.71		1519.4							
12.0	08S	T00554	14.41	35.900	26.81		1515.7							
12.0	08S	00750	10.74	35.387	27.14		1505.9							
12.0	08S	T00939	07.04	35.111	27.52		1494.8							
12.0	08S	T01460	04.41	35.001	27.76		1452.8							

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REFID 31 8128 YEAR 1969 BOTDP 04026 AIR TEMP 25.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 10 SHIP 00 WET BULB 23.3 23 6 5 WIND-SPD 28 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR 41 DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 010 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	24.12	35.916	24.32		1533.8							
12.2	08S	00024	24.12	35.926	24.33		1534.2							
12.2	08S	00048	22.77	36.271	24.48		1531.6							
12.2	08S	00072	20.17	36.582	25.94		1525.6							
12.2	08S	00095	18.95											
12.2	08S	00144	17.92	36.476	26.44		1520.4							
12.2	08S	00187	17.66	36.454	26.54		1519.7							
12.2	08S	00287	17.01	36.405	26.61		1520.0							
12.2	08S	T00382	16.73	36.345	26.63		1520.6							
12.2	08S	00479	15.47	36.093	26.73		1518.1							
12.2	08S	T00579	13.81	35.802	26.86		1514.1							
12.2	08S	00766	10.24	35.324	27.18		1504.3							
12.2	08S	T00957	06.95	35.114	27.54		1494.8							
12.2	08S	T01425	04.30	34.996	27.77		1491.7							

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REFID 31 8128 YEAR 1969 BOTDP 04389 AIR TEMP 27.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 10 SHIP 00 WET BULB 27.2 20 8 3 WIND-SPD 31 TRACE DIR 5 SQUARE 2  
 LAT 34 43 N DAY 06 DATA USE 1 BAROMETR 1008.5 SEA WIND-FOR 41 DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 011 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	25.23	36.396	24.35		1536.9							
12.1	08S	00026	25.14	36.439	24.41		1537.2							
12.1	08S	00051	22.26	36.520	25.32		1530.7							
12.1	08S	00077	19.23	36.532	26.15		1523.1							
12.1	08S	00102	18.26	36.532	26.40		1520.7							
12.1	08S	00154	17.60	36.465	26.51		1519.6							
12.1	08S	T00192	17.32	36.425	26.55		1519.4							
12.1	08S	00303	16.96	36.414	26.63		1520.1							
12.1	08S	T00403	16.82	36.356	26.61		1521.3							
12.1	08S	00496	15.54	36.198	26.79		1518.7							
12.1	08S	T00598	14.28	35.886	26.83		1516.0							
12.1	08S	00760	10.52	35.392	27.19		1505.3							
12.1	08S	T00909	07.28	35.089	27.47		1495.2							
12.1	08S	T01297	04.58	35.016	27.76		1490.8							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1965 BCTOP 04755 AIR TEMP 27.5 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 10 SHIP OU WET BULB 24.2 22 7 4 WIND-SPD 25 TRACE DIR 5 SQUARE 2  
 LAT 33 50 N DAY 07 DATA USE 1 BAROMETR 1012.2 SEA WIND-FUR 2 DURATION 2 SQUARE 28  
 LONG 048 15 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 CRIG E32 012 1 SQUARE 38

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SI03	PH
12.2	08S	00000	25.83	36.382	24.15		1538.3							
12.2	08S	00027	25.85	36.424	24.17		1538.8							
12.2	08S	00053	23.14	36.558	25.05		1533.0							
12.2	08S	00081	20.48	36.570	25.85		1526.6							
12.2	08S	00107	18.73	36.530	26.28		1522.2							
12.2	08S	00161	17.78	36.485	26.48		1520.3							
12.2	08S	00205	17.52	36.461	26.53		1520.2							
12.2	08S	00319	17.04	36.415	26.61		1520.6							
12.2	08S	T00424	16.94	36.394	26.62		1522.0							
12.2	08S	00529	15.72	36.145	26.71		1519.7							
12.2	08S	T00634	13.97	35.834	26.86		1515.5							
12.2	08S	00846	09.00	35.170	27.27		1500.8							
12.2	08S	01059	06.70	35.160	27.61		1495.5							
12.2	08S	T01600	04.71	35.106	27.81		1466.5							

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REFID 31 8128 YEAR 1969 BCTOP 04663 AIR TEMP 23.9 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 10 SHIP OU WET BULB 23.5 06 6 4 WIND-SPD 3d TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 06 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR 0 DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 CRIG E32 013 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SI03	PH
12.3	08S	00000	24.06	35.821	24.26		1533.5							
12.3	08S	00026	24.05	35.817	24.26		1533.9							
12.3	08S	00052	24.06	35.817	24.26		1534.4							
12.3	08S	00078	19.46	36.440	26.02		1525.6							
12.3	08S	00104	18.69	36.471	26.24		1521.9							
12.3	08S	00157	17.43	36.330	26.45		1519.0							
12.3	08S	T00202	17.34	36.392	26.52		1519.5							
12.3	08S	00316	16.95	36.388	26.61		1520.3							
12.3	08S	00423	15.46	36.093	26.73		1517.1							
12.3	08S	00531	14.30	35.926	26.86		1515.0							
12.3	08S	T00644	12.97	35.703	26.96		1512.2							
12.3	08S	00858	08.46	35.164	27.35		1499.0							
12.3	08S	01076	05.86	35.071	27.65		1492.4							
12.3	08S	01227	04.11	34.976	27.78		1494.3							

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REFID 31 8128 YEAR 1969 BCTOP 04114 AIR TEMP 23.3 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 10 SHIP OU WET BULB 18.9 11 6 4 WIND-SPD 35 TRACE DIR 5 SQUARE 4  
 LAT 35 50 N DAY 09 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR 0 DURATION 2 SQUARE 46  
 LONG 046 20 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 CRIG E32 014 1 SQUARE 56

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.2	08S	00000	23.63	36.029	24.55		1532.7							
12.2	08S	00020	23.65	36.019	24.54		1533.1							
12.2	08S	00036	23.66	36.019	24.53		1533.4							
12.2	08S	00057	22.21	36.490	25.31		1530.6							
12.2	08S	00075	20.74	36.590	25.75		1527.2							
12.2	08S	00112	19.37	36.581	26.15		1524.1							
12.2	08S	T00144	18.47	36.508	26.33		1522.0							
12.2	08S	00224	17.52	36.450	26.52		1520.5							
12.2	08S	T00427	16.55	36.292	26.63		1520.8							
12.2	08S	00536	14.29	35.895	26.83		1515.0							

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REFID 31 8128 YEAR 1969 BCTOP 05212 AIR TEMP 23.3 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 10 SHIP OU WET BULB 20.6 10 5 4 WIND-SPD 27 TRACE DIR 5 SQUARE 3  
 LAT 36 34 N DAY 10 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR 0 DURATION 2 SQUARE 62  
 LONG 042 32 W HOUR 12.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 CRIG E32 015 1 SQUARE 62

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.9	08S	00000	23.96	36.172	24.56		1533.7							
12.9	08S	00019	23.97	36.170	24.56		1534.0							
12.9	08S	00039	23.96	36.171	24.56		1534.3							
12.9	08S	00059	22.27	36.178	25.06		1530.5							
12.9	08S	00078	20.22	36.539	25.89		1525.8							
12.9	08S	00118	18.68	36.561	26.31		1522.2							
12.9	08S	T00154	17.96	36.470	26.42		1520.7							
12.9	08S	00235	17.37	36.448	26.55		1520.2							
12.9	08S	T00313	16.86	36.386	26.63		1519.9							
12.9	08S	00400	16.05	36.324	26.77		1516.8							
12.9	08S	T00474	15.08	36.076	26.80		1516.7							
12.9	08S	00627	12.20	35.599	27.03		1504.2							
12.9	08S	00784	08.00	35.113	27.38		1496.0							
12.9	08S	T01162	04.93	35.029	27.73		1490.0							

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TABLE XII.—Continued

REFID 31 8128 YEAR 1969 BOTDP 04938 AIR TEMP 22.8 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 10 SHIP DU WET BULB 19.4 14 5 3 WIND-SPD 23 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 11 DATA USE 1 BAROMETR 1021.3 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E32 016 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.6	OBS	00000	24.87	36.377	24.44		1536.1							
12.6	OBS	00027	24.87	36.395	24.46		1536.5							
12.6	OBS	00054	20.94	36.549	25.71		1527.4							
12.6	OBS	00082	18.89	36.544	26.25		1522.2							
12.6	OBS	00108	18.36	36.522	26.36		1521.1							
12.6	OBS	00163	17.65	36.468	26.50		1519.9							
12.6	OBS	T00209	17.25	36.421	26.56		1519.4							
12.6	OBS	00325	16.99	36.421	26.62		1520.6							
12.6	OBS	T00436	16.26	36.252	26.67		1520.0							
12.6	OBS	00540	14.90	35.997	26.78		1517.2							
12.6	OBS	T00646	12.60	35.607	26.96		1510.9							
12.6	OBS	00864	07.79	35.092	27.40		1496.5							
12.6	OBS	01079	05.45	35.028	27.66		1490.7							
12.6	OBS	T01619	04.10	34.987	27.79		1494.2							

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REFID 31 8128 YEAR 1969 BOTDP 04425 AIR TEMP 23.9 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 10 SHIP DU WET BULB 18.9 10 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 12 DATA USE 1 BAROMETR 1023.0 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 12.1 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E32 017 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.1	OBS	00000	23.97	36.275	24.63		1533.8							
12.1	OBS	00024	24.00	36.279	24.63		1534.3							
12.1	OBS	00049	21.51	36.526	25.53		1528.7							
12.1	OBS	00072	19.87	36.584	26.02		1524.8							
12.1	OBS	00097	18.78	36.507	26.25		1522.1							
12.1	OBS	00144	17.92	36.487	26.45		1520.4							
12.1	OBS	T00193	17.55	36.455	26.51		1520.1							
12.1	OBS	00291	17.04	36.420	26.61		1520.2							
12.1	OBS	T00389	16.49	36.294	26.65		1520.0							
12.1	OBS	00486	15.14	36.038	26.76		1517.1							
12.1	OBS	T00582	14.04	35.876	26.87		1514.9							
12.1	OBS	00773	09.68	35.299	27.22		1503.0							
12.1	OBS	T00963	06.68	35.106	27.57		1453.8							
12.1	OBS	T01461	04.32	35.004	27.78		1492.4							

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REFID 31 8128 YEAR 1969 BOTDP 04270 AIR TEMP 25.0 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 10 SHIP DU WET BULB 22.2 23 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 18 DATA USE 1 BAROMETR 1022.4 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 0/6 CL/TR WEATHER X1 ORIG E32 018 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.3	OBS	00000	24.24	36.496	24.72		1534.7							
12.3	OBS	00024	24.26	36.501	24.72		1535.2							
12.3	OBS	00049	24.32	36.525	24.72		1535.7							
12.3	OBS	00074	20.26	36.560	25.90		1525.9							
12.3	OBS	00099	19.63	36.546	26.06		1524.6							
12.3	OBS	00148	17.90	36.478	26.45		1520.4							
12.3	OBS	T00200	17.45	36.439	26.53		1519.9							
12.3	OBS	00299	17.00	36.403	26.61		1520.1							
12.3	OBS	T00396	16.51	36.300	26.65		1520.1							
12.3	OBS	00499	14.30	35.990	26.80		1516.2							
12.3	OBS	T00600	13.45	35.762	26.91		1513.2							
12.3	OBS	00798	09.08	35.185	27.27		1500.4							
12.3	OBS	T00994	06.20	35.058	27.59		1492.4							

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REFID 31 8128 YEAR 1969 BOTDP 04938 AIR TEMP 23.9 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0019 MONTH 10 SHIP DU WET BULB 21.7 02 3 6 WIND-SPD 12 TRACE DIR 5 SQUARE 3  
 LAT 35 50 N DAY 19 DATA USE 1 BAROMETR 1021.0 SEA WIND-FGR DURATION 2 SQUARE 40  
 LONG 050 00 W HOUR 13.0 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 UR16 E32 019 1 SQUARE 50

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
13.0	OBS	00000	23.22	36.161	24.77		1531.8							
13.0	OBS	00025	23.22	36.163	24.77		1532.3							
13.0	OBS	00050	22.74	36.239	24.97		1531.6							
13.0	OBS	00075	20.89	36.587	25.75		1527.6							
13.0	OBS	00101	19.62	36.572	26.08		1524.6							
13.0	OBS	00151	18.06	36.513	26.42		1521.0							
13.0	OBS	T00204	17.50	36.449	26.52		1520.1							
13.0	OBS	00303	16.99	36.371	26.59		1520.1							
13.0	OBS	T00403	16.78	36.359	26.63		1519.1							
13.0	OBS	00504	15.65	36.132	26.72		1519.1							
13.0	OBS	T00598	14.03	35.837	26.84		1515.1							
13.0	OBS	00804	10.12	35.303	27.19		1504.4							

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TABLE XIII.--Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station ECHO, 22 October 1969 - 11 November 1969, prepared from NODC listing No. 31 - 8142.

REFID 31 8142	YEAR 1969	BDTOP 05029	AIR TEMP 24.2	DIR HGT PER	WIND-DIR 02	INST STO RECDROER	TEN SQ 1206
CONSEC 0001	MONTH 10	SHIP AZ	WET BULB 20.6	02 1 2	WIND-SPO 20	TRACE DIR 0	5 SQUARE 2
LAT 34 50.8N	DAY 22	DATA USE 1	BAROMETR 1022.4	SEA	WIND-FDR	DURATION 00.8	2 SQUARE 46
LONG 047 45.5W	HOOR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E33 001	1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
11.8	OBS	0000	23.80											
	OBS	0010	23.80											
	OBS	0020	23.80											
	OBS	0030	23.80											
	OBS	0050	22.16											
	OBS	0075	19.86											
	OBS	0100	18.81											
	OBS	0125	18.26											
	OBS	0150	17.86											
	OBS	0200	17.52											
	OBS	0245	17.13											
	OBS	0250	17.11											
	OBS	0300	17.06											
	OBS	0310	17.03											
	OBS	0400	15.89											
	OBS	0500	14.47											
	OBS	0600	13.26											
	OBS	0700	11.05											
	OBS	0800	09.00											
	OBS	0864	07.92											
	OBS	0870	08.02											
	OBS	0900	07.64											
	OBS	1000	06.20											
	OBS	1100	05.49											
	OBS	1200	04.93											
	OBS	1300	04.61											
	OBS	1400	04.42											
	OBS	1500	04.18											

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REFID 31 8142	YEAR 1969	BDTOP 04938	AIR TEMP 24.0	DIR HGT PER	WIND-DIR 21	INST STO RECDROER	TEN SQ 1206
CONSEC 0002	MONTH 10	SHIP AZ	WET BULB 21.4	25 1 2	WIND-SPO 20	TRACE DIR 0	5 SQUARE 2
LAT 34 56.5N	DAY 22	DATA USE 1	BAROMETR 1021.5	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 46
LONG 047 44 W	HOOR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E33 002	1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
18.2	OBS	0000	23.44											
	OBS	0010	23.38											
	OBS	0020	23.70											
	OBS	0030	23.85											
	OBS	0050	22.36											
	OBS	0075	19.50											
	OBS	0100	18.53											
	OBS	0125	18.12											
	OBS	0150	17.88											
	OBS	0200	17.39											
	OBS	0250	16.85											
	OBS	0300	16.58											
	OBS	0400	15.30											
	OBS	0500	14.29											
	OBS	0600	13.24											
	OBS	0700	11.29											
	OBS	0800	08.95											
	OBS	0900	07.69											
	OBS	1000	06.04											
	OBS	1100	05.37											
	OBS	1200	05.00											
	OBS	1300	04.70											
	OBS	1400	04.45											
	OBS	1500	04.26											

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 BOTOP 04755 AIR TEMP 24.0 OIR HGT PER WIND-OIR 19 INST STD RECORDER TEN SQ 1200  
 CONSEC 0003 MONTH 10 SHIP AZ WET BULB 22.4 36 1 3 WIND-SPD 23 TRACE OIR 0 5 SQUARE 2  
 LAT 34 56.6N DAY 23 DATA USE 1 BAROMETR 1023.2 SEA WIND-FJR DURATION 00.6 2 SQUARE 46  
 LONG 047 54.2W HOUR 11.8 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E33 003 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.8	085	00000	24.08											
	085	00010	24.08											
	085	00020	24.08											
	085	00030	24.09											
	085	00044	24.09											
	085	00050	22.00											
	085	00075	19.26											
	085	00100	18.58											
	085	00125	18.16											
	085	00150	17.82											
	085	00200	17.46											
	085	00250	17.09											
	085	00300	17.02											
	085	00400	16.24											
	085	00500	14.81											
	085	00564	14.05											
	085	00572	13.82											
	085	00580	13.94											
	085	00600	13.13											
	085	00700	11.51											
	085	00800	09.52											
	085	00900	07.34											
	085	01000	06.05											
	085	01100	05.47											
	085	01200	05.03											
	085	01300	04.75											
	085	01400	04.44											
	085	01500	04.32											

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REFID 31 8142 YEAR 1969 BOTOP 04389 AIR TEMP OIR HGT PER WIND-OIR 18 INST STD RECORDER TEN SQ 1200  
 CONSEC 0004 MONTH 10 SHIP AZ WET BULB 18 2 3 WIND-SPD 26 TRACE OIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1022.1 SEA WIND-FJR DURATION 00.5 2 SQUARE 46  
 LONG 047 58.7W HOUR 17.8 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E33 004 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
17.8	085	00000	23.85											
	085	00010	23.85											
	085	00020	23.84											
	085	00030	23.81											
	085	00040	23.79											
	085	00050	22.27											
	085	00075	19.72											
	085	00100	18.82											
	085	00125	18.31											
	085	00150	18.04											
	085	00200	17.57											
	085	00250	17.30											
	085	00300	17.10											
	085	00400	16.36											
	085	00500	14.82											
	085	00600	12.99											
	085	00610	13.19											
	085	00700	11.53											
	085	00800	09.77											
	085	00900	08.00											
	085	01000	06.55											
	085	01100	05.52											
	085	01200	05.08											
	085	01300	04.81											
	085	01400	04.51											
	085	01500	04.38											

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 BOTOP 04114 AIR TEMP 24.0 DIR HGT PER WIND-DIR 17 INST STD PECCORDER TEN SQ 1206  
 CDNSEC 0005 MONTH 10 SHIP AZ WET BULB 22.0 16 2 4 WIND-SPD 28 TRACE DIR D 5 SQUARE 2  
 LAT 34 57 N DAY 24 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 03.H 2 SQUARE 48  
 LONG 048 08.7W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E33 005 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIU3	PH
11.9	DBS	00000	22.97											
	DBS	00010	22.98											
	DBS	00015	22.98											
	DBS	00020	22.88											
	DBS	00030	22.69											
	DBS	00050	20.69											
	DBS	00075	19.50											
	DBS	00100	18.81											
	DBS	00125	18.31											
	DBS	00150	17.94											
	DBS	00200	17.45											
	DBS	00250	17.20											
	DBS	00300	17.06											
	DBS	00350	17.04											
	DBS	00400	16.74											
	DBS	00500	15.02											
	DBS	00600	13.63											
	DBS	00700	11.36											
	DBS	00800	09.36											
	DBS	00900	07.65											
	DBS	01000	66.20											
	DBS	01100	05.42											
	DBS	01200	04.98											
	DBS	01300	04.61											
	DBS	01400	04.41											
	DBS	01500	04.27											

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REFID 31 8142 YEAR 1969 BOTOP 04572 AIR TEMP 18.9 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0006 MONTH 10 SHIP AZ WET BULB 14.6 34 6 3 WIND-SPD 30 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 26 DATA USE 1 BAROMETR 1019.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 18.5 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X2 ORIG E33 006 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIU3	PH
18.5	DBS	00000	22.66	36.121	24.90		1530.4							
18.5	DBS	00023	22.68	36.139	24.91		1530.9							
18.5	DBS	00044	22.61	36.136	24.93		1531.0							
18.5	DBS	00067	20.19	36.530	25.90		1525.5							
18.5	DBS	00090	18.75	36.519	26.26		1521.9							
18.5	DBS	00135	18.19	36.487	26.38		1521.0							
18.5	DBS	T00179	17.63	36.435	26.48		1520.1							
18.5	DBS	T00357	17.02	36.390	26.55		1521.1							

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REFID 31 8142 YEAR 1969 BOTOP 04389 AIR TEMP 20.1 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0007 MONTH 10 SHIP AZ WET BULB 15.0 02 2 3 WIND-SPD 25 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 27 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 13.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E33 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIU3	PH
13.0	DBS	00000	22.91	36.334	24.99		1531.3							
13.0	DBS	00019	22.89	36.334	25.00		1531.5							
13.0	DBS	00036	22.84	36.334	25.01		1531.7							
13.0	DBS	00055	22.80	36.331	25.02		1531.9							
13.0	DBS	00076	18.94	36.511	26.21		1522.2							
13.0	DBS	00115	18.09	36.477	26.40		1520.4							
13.0	DBS	T00156	17.70	36.444	26.47		1519.9							
13.0	DBS	00241	17.18	36.394	26.56		1519.7							
13.0	DBS	00324		36.369										
13.0	DBS	00407	16.70	36.319	26.61		1520.9							
13.0	DBS	00488	14.66	35.931	26.78		1515.5							
13.0	DBS	T00624	12.64	35.605	26.95		1510.7							
13.0	DBS	T00707	09.96	35.280	27.20		1502.2							

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REFID 31 8142 YEAR 1969 BOTOP 02743 AIR TEMP 20.8 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0008 MONTH 10 SHIP AZ WET BULB 16.8 04 5 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 28 DATA USE 1 BAROMETR 1022.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 16.8 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E33 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIU3	PH
18.8	DBS	00000	22.33	36.183	25.04		1529.6							
18.8	DBS	00025	22.34	36.182	25.04		1530.1							
18.8	DBS	00047	22.15	36.172	25.08		1529.9							
18.8	DBS	00070	20.79	36.520	25.73		1527.2							
18.8	DBS	00092	19.16	36.526	26.16		1523.1							
18.8	DBS	00137	18.31	36.505	26.36		1521.4							
18.8	DBS	T00181	17.82	36.479	26.47		1520.7							
18.8	DBS	00267	17.23	36.400	26.55		1520.3							
18.8	DBS	00354		36.387										
18.8	DBS	00437	16.16	36.208	26.66		1519.6							
18.8	DBS	00520	14.69	35.962	26.80		1516.1							
18.8	DBS	00691	11.81	35.517	27.05		1508.8							
18.8	DBS	T00857	08.29	35.166	27.38		1498.3							
18.8	DBS	01334	04.27	35.003	27.78									

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 8DTOP 05121 AIR TEMP 20.5 DIR HGT PER WIND-OIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 10 SHIP A2 WET BULB 17.8 22 1 3 WIND-SPD 15 TRACE OIR 5 SQUARE 2  
 LAT 34 42 N DAY 31 DATA USE 1 BAROMETR 1006.5 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 36 W HOUR 05.6 AREA 05 CLOUD T/A 4/3 CL/TR WEATHER X1 ORIG E33 009 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
09.6	DBS	00000	22.11	36.287	25.16		1529.2							
09.6	DBS	00024	22.08	36.293	25.20		1529.5							
09.6	DBS	00049	21.20	36.426	25.54		1527.8							
09.6	DBS	00074	19.25	36.540	26.15		1523.1							
09.6	DBS	00099	18.53	36.513	26.31		1521.7							
09.6	DBS	00148	17.71	36.448	26.47		1519.8							
09.6	DBS	T00200	17.30	36.399	26.53		1519.4							
09.6	DBS	00297	17.07	36.363	26.56		1520.3							
09.6	DBS	00395	16.13	36.36 Q	26.7E2									
09.6	DBS	00494	14.62	35.930	26.75		1515.4							
09.6	DBS	00592	13.19	35.701	26.91		1512.1							
09.6	DBS	T00790	08.78	35.160	27.30		1459.1							
09.6	DBS	T00986	06.14	35.058	27.60		1492.0							
05.6	DBS	01480	04.25	34.981	27.77		1452.4							

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REFID 31 8142 YEAR 1965 8DTOP 04646 AIR TEMP 20.8 OIR HGT PER WIND-OIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 11 SHIP A2 WET BULB 18.0 21 2 3 WIND-SPD 16 TRACE OIR 5 SQUARE 2  
 LAT 34 48 N DAY 01 DATA USE 1 BAROMETR 1002.5 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 36 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E33 010 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
12.8	DBS	00000	22.36	36.405	25.20		1530.0							
12.8	DBS	00026	22.32	36.407	25.21		1530.3							
12.8	DBS	00052	20.39	36.543	25.85		1525.6							
12.8	DBS	00078	19.11	36.522	26.17		1522.7							
12.8	DBS	00103	18.29	36.481	26.35		1520.8							
12.8	DBS	00156	17.75	36.372	26.40		1520.0							
12.8	DBS	00209	17.06	36.376	26.57		1518.8							
12.8	DBS	00314	16.81	36.330	26.60		1517.7							
12.8	DBS	00421		36.087										
12.8	DBS	00530	14.01	35.877	26.86		1514.0							
12.8	DBS	00637	12.02	35.580	27.05		1506.7							
12.8	DBS	T00863	07.53	35.110	27.45		1455.5							
12.8	DBS	T01071	05.41	35.031	27.67		1490.4							
12.8	DBS	T01568	04.03	34.962	27.77		1493.0							

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REFID 31 8142 YEAR 1969 8DTOP 02598 AIR TEMP 20.1 OIR HGT PER WIND-OIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 11 SHIP A2 WET BULB 16.3 07 4 2 WIND-SPD 20 TRACE OIR 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1019.4 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 046 06 W HOUR 18.6 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E33 011 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
18.6	DBS	00000	21.73	36.316	25.31		1528.3							
18.6	DBS	00023	21.71	36.313	25.32		1528.6							
18.6	DBS	00048	21.64	36.314	25.34		1528.8							
18.6	DBS	00072	21.65	36.310	25.33		1529.2							
18.6	DBS	00096	21.73	36.310	25.31		1529.8							
18.6	DBS	00142	21.70	36.324	25.33		1530.5							
18.6	DBS	T00187	18.28	36.325	26.38		1522.2							
18.6	DBS	00279	17.63	36.446	26.45		1521.7							
18.6	DBS	T00366	17.19	36.389	26.55		1521.8							
18.6	DBS	00453	17.05	36.376	26.58		1522.8							
18.6	DBS	00538	15.74	36.102	26.66		1520.0							
18.6	DBS	T00693	12.24	35.534	26.98		1510.3							
18.6	DBS	T00841	08.61											
18.6	DBS	T01299	04.91											

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REFID 31 8142 YEAR 1969 8DTOP 01737 AIR TEMP 19.8 OIR HGT PER WIND-OIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 11 SHIP A2 WET BULB 16.5 06 4 3 WIND-SPD 18 TRACE OIR 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1024.2 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 11.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E33 012 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
11.3	DBS	00000	21.77	36.359	25.33		1528.4							
11.3	DBS	00026	21.74	36.348	25.33		1528.7							
11.3	DBS	00053	21.67	36.348	25.35		1529.0							
11.3	DBS	00079	21.69	36.347	25.35		1529.5							
11.3	DBS	00106	20.02	36.549	25.96		1525.7							
11.3	DBS	00157	18.04	36.550	26.47		1521.0							
11.3	DBS	T00209	17.70	36.478	26.50		1520.8							
11.3	DBS	00314		36.393										
11.3	DBS	00415	17.16	36.363	26.54		1522.5							
11.3	DBS	00515		36.102										
11.3	DBS	00612	13.22	35.678	26.89		1512.5							
11.3	DBS	T00807	09.30	35.189	27.24		1501.3							
11.3	DBS	T00972	06.21	35.050	27.55		1492.0							
11.3	DBS	T01374	04.24	34.995	27.78		1490.6							

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TABLE XIII.—Continued

REFID 31 8142 YEAR 1969 BUTOP 04207 AIR TEMP 20.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 11 SHIP AZ WET BULB 19.1 36 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 07 DATA USE 1 BAROMETR 1025.1 SEA WIND-FLE DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER XL ORIG E33 013 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TCT P	NO2	NO3	SI03	PH
12.0	0BS	00000	21.78	36.342	25.32		1523.4							
12.0	0BS	00026	21.74	36.342	25.33		1523.6							
12.0	0BS	00051	21.65	36.343	25.35		1523.9							
12.0	0BS	00078	21.38	36.389	25.46		1524.7							
12.0	0BS	00103	19.52	36.548	26.05		1524.9							
12.0	0BS	00152	18.64	36.524	26.40		1521.5							
12.0	0BS	T00202	17.86	36.483	26.46		1521.2							
12.0	0BS	00303	17.31	36.414	26.54		1521.1							
12.0	0BS	T00404	16.49	36.382	26.55		1521.8							
12.0	0BS	00503	16.47	36.265	26.63		1521.7							

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REFID 31 8142 YEAR 1969 BUTOP 04572 AIR TEMP 20.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 11 SHIP AZ WET BULB 19.4 04 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1021.9 SEA WIND-FLE DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.2 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER XL ORIG E33 014 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TCT P	NO2	NO3	SI03	PH
12.2	0BS	00000	21.81	36.438	25.38		1524.6							
12.2	0BS	00023	21.76	36.439	25.39		1524.9							
12.2	0BS	00047	21.69	36.434	25.41		1525.1							
12.2	0BS	00071	21.44	36.525	25.41		1520.2							
12.2	0BS	00094	21.44	36.552	25.42		1520.7							
12.2	0BS	00143	17.91	36.494	26.46		1520.4							
12.2	0BS	00190	17.74	36.472	26.48		1520.6							
12.2	0BS	00285		36.413										
12.2	0BS	T00374	17.01	36.393	26.60		1521.5							
12.2	0BS	00469	16.91	36.367	26.60		1522.6							
12.2	0BS	00555	15.30	36.047	26.73		1512.7							
12.2	0BS	T00717	11.54	35.492	27.08		1512.7							
12.2	0BS	T00875	08.04	35.154	27.41		1497.7							
12.2	0BS	01158	04.68	35.022	27.76		1491.2							
15.3	0BS	T01847	03.88	34.974	27.80		1497.9							
15.3	0BS	02383	03.42	34.975	27.85		1504.5							
15.3	0BS	02870	02.44	34.954	27.87		1510.6							
15.3	0BS	T03358	02.56	34.925	27.88		1517.5							

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REFID 31 8142 YEAR 1969 BUTOP 03848 AIR TEMP 20.3 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 11 SHIP AZ WET BULB 19.3 07 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 09 DATA USE 1 BAROMETR 1014.6 SEA WIND-FLE DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER XL ORIG E33 015 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TCT P	NO2	NO3	SI03	PH
12.2	0BS	00000	21.50	36.332	25.35		1527.7							
12.2	0BS	00022	21.48	36.330	25.35		1528.0							
12.2	0BS	00046	21.37	36.330	25.42		1528.1							
12.2	0BS	00069	21.44	36.326	25.40		1528.7							
12.2	0BS	00092	21.32	36.335	25.35		1529.3							
12.2	0BS	00138	19.57	36.569	26.05		1529.1							
12.2	0BS	T00182	18.14	36.510	26.40		1521.3							
12.2	0BS	00266		36.455										
12.2	0BS	T00566	17.09	36.401	26.58		1521.5							
12.2	0BS	00468	16.92	36.370	26.60		1522.3							
12.2	0BS	00544	15.04	35.997	26.74		1517.8							
12.2	0BS	T00702	11.42	35.508	27.02		1509.4							
12.2	0BS	T00843	07.43	35.123	27.40		1497.4							
12.2	0BS	T01276	04.68	35.025	27.75		1490.5							

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REFID 31 8142 YEAR 1969 BUTOP 03749 AIR TEMP 22.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 11 SHIP AZ WET BULB 20.0 05 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 11 DATA USE 1 BAROMETR 1010.8 SEA WIND-FLE DURATION 2 SQUARE 48  
 LONG 049 46 W HOUR 11.9 AREA 05 CLOUD T/A 5/7 CL/TR WEATHER XL ORIG E33 016 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TCT P	NO2	NO3	SI03	PH
11.9	0BS	00000	21.43	36.225	25.33		1527.4							
11.9	0BS	00032	21.43	36.226	25.33		1527.9							
11.9	0BS	00063	21.40	36.244	25.35		1528.4							
11.9	0BS	00095	19.64	36.597	26.09		1524.6							
11.9	0BS	00127	18.62	36.544	26.32		1524.2							
11.9	0BS	00190	17.73	36.467	26.48		1520.6							
11.9	0BS	T00253	17.29	36.422	26.55		1520.3							
11.9	0BS	00473	17.06	36.414	26.60		1521.6							
11.9	0BS	T00500	16.22	36.242	26.67		1520.9							
11.9	0BS	00226	14.06	35.841	26.64		1515.7							
11.9	0BS	00750	11.51	35.473	27.07		1508.7							
11.9	0BS	01000	07.18	35.107	27.50		1496.4							
11.9	0BS	T01250	05.07	35.045	27.72		1482.0							
11.9	0BS	T01872	03.44	34.985	27.80		1497.8							

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TABLE XIV.- Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 12 November 1969 - 3 December 1969, prepared from NODC listing No. 31 - 8137.

REFID	31	8137	YEAR	1969	POTOP	04663	AIR TEMP	22.9	DIR HGT	PER	WIND-DIR	24	INST	STD	RECL	DER	TEN SQ	1206	
CONSEC		0001	MONTH	11	SHIP	A1	WET BULB	19.7	25	3	3	WIND-SPO	DR	TRACE	DIR	0	5	SQUARE	2
LAT	34	57	N	DAY	12	DATA USE	1	BAROMETR	1014.6	SEA	WIND-FDR		DURATION	00.4	2	SQUARE	48		
LONG	048	21	W	HOOR	12.0	AREA	05	CLCUD	T/A	CL/TR	WEATHER	X1	CRIG	E34	001	1	SQUARE	48	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.51	36.36	25.41		1527.7							
	OBS	00010	21.51	36.36	25.41		1527.9							
	OBS	00020	21.51	36.36	25.41		1528.1							
	OBS	00030	21.51	36.37	25.41		1528.2							
	OBS	00050	21.51	36.38	25.42		1528.6							
	OBS	00075	21.49	36.38	25.43		1528.9							
	OBS	00090	20.40	36.62	25.91		1529.0							
	OBS	00100	19.94	36.62	26.03		1529.5							
	OBS	00125	19.18	36.61	26.22		1529.8							
	OBS	00150	18.65	36.59	26.34		1529.7							
	OBS	00175	18.45	36.58	26.35		1529.5							
	OBS	00200	18.20	36.57	26.44		1529.2							
	OBS	00250	17.78	36.50	26.49		1521.8							
	OBS	00300	17.41	36.45	26.54		1521.4							
	OBS	00400	17.04	36.41	26.60		1521.9							
	OBS	00500	16.05	36.23	26.70		1520.4							
	OBS	00600	14.51	35.90	26.79		1516.8							
	OBS	00700	11.53	35.45	27.05		1507.9							
	OBS	00800	09.49	35.25	27.25		1502.0							
	OBS	00850	08.47	35.13	27.32		1498.9							
	OBS	00880	07.88	35.13	27.41		1497.1							
	OBS	00900	07.51	35.09	27.44		1496.0							
	OBS	01000	05.96	35.05	27.62		1491.5							
	OBS	01100	05.19	35.04	27.71		1490.0							
	OBS	01200	04.86	35.02	27.73		1490.3							
	OBS	01300	04.59	35.01	27.75		1490.9							
	OBS	01400	04.36	35.01	27.78		1491.6							
	OBS	01490	04.27	35.00	27.78		1492.7							

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REFID	31	8137	YEAR	1969	POTOP	04938	AIR TEMP	23.9	DIR HGT	PER	WIND-DIR	21	INST	STD	RECL	DER	TEN SQ	1206	
CONSEC		0002	MONTH	11	SHIP	A1	WET BULB	21.1	25	2	3	WIND-SPO	DR	TRACE	DIR	0	5	SQUARE	2
LAT	34	55	N	DAY	12	DATA USE	1	BAROMETR	1015.2	SEA	WIND-FDR		DURATION	00.3	2	SQUARE	48		
LONG	048	09	W	HOOR	18.0	AREA	05	CLCUD	T/A	CL/TR	WEATHER	X1	CRIG	E34	002	1	SQUARE	48	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	21.33	36.28	25.40		1527.2							
	OBS	00010	21.21	36.29	25.44		1527.0							
	OBS	00020	21.21	36.30	25.44		1527.2							
	OBS	00030	21.21	36.31	25.45		1527.4							
	OBS	00050	21.22	36.31	25.45		1527.7							
	OBS	00060	21.25	36.37	25.45		1528.1							
	OBS	00075	21.22	36.35	25.48		1528.2							
	OBS	00100	19.59	36.58	26.09		1524.5							
	OBS	00125	18.71	36.56	26.30		1522.4							
	OBS	00150	18.16	36.55	26.44		1521.3							
	OBS	00200	17.46	36.47	26.55		1520.0							
	OBS	00250	17.10	36.43	26.60		1519.7							
	OBS	00260	17.00	36.40	26.61		1519.5							
	OBS	00300	16.97	36.40	26.61		1520.1							
	OBS	00350	16.91	36.42	26.64		1520.7							
	OBS	00400	16.38	36.29	26.67		1519.8							
	OBS	00500	15.12	36.08	26.75		1517.3							
	OBS	00600	13.19	35.75	26.95		1512.3							
	OBS	00700	11.12	35.44	27.11		1506.5							
	OBS	00800	09.11	35.22	27.29		1500.6							
	OBS	00900	07.29	35.10	27.48		1495.1							
	OBS	01000	06.16	35.06	27.60		1492.3							
	OBS	01100	05.29	35.05	27.70		1490.4							
	OBS	01200	04.91	35.04	27.74		1490.6							
	OBS	01300	04.68	35.03	27.76		1491.3							
	OBS	01400	04.36	35.00	27.77		1491.6							
	OBS	01500	04.25	35.01	27.75		1492.8							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 RGTOP 04846 AIR TEMP 22.0 DIR HGT PER WIND-DIR Z1 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 11 SHIP A1 WET BULB 19.2 27 2 3 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 13 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 08 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E34 G03 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.0	OBS	0000	21.43	36.38	25.44		1527.6							
	OBS	0010	21.42	36.39	25.45		1527.7							
	OBS	0020	21.42	36.39	25.45		1527.9							
	OBS	0030	21.42	36.39	25.45		1528.0							
	OBS	0050	21.40	36.39	25.46		1528.3							
	OBS	0075	21.40	36.39	25.46		1528.7							
	OBS	0100	19.71	36.62	26.05		1524.9							
	OBS	0125	18.78	36.60	26.32		1522.7							
	OBS	0150	18.29	36.57	26.42		1521.7							
	OBS	0200	17.68	36.51	26.52		1520.7							
	OBS	0250	17.49	36.49	26.56		1520.9							
	OBS	0300	17.18	36.45	26.60		1520.8							
	OBS	0400	16.91	36.42	26.64		1521.6							
	OBS	0500	15.71	36.17	26.73		1519.3							
	OBS	0600	13.25	35.75	26.94		1514.5							
	OBS	0700	11.37	35.45	27.08		1507.3							
	OBS	0800	09.45	35.23	27.24		1501.8							
	OBS	0900	07.47	35.13	27.47		1495.9							
	OBS	1000	05.99	35.05	27.61		1491.6							
	OBS	1100	05.40	35.05	27.65		1490.9							
	OBS	1200	04.94	35.03	27.73		1490.7							
	OBS	1300	04.69	35.02	27.75		1491.3							
	OBS	1400	04.39	34.99	27.76		1491.7							
	OBS	1500	04.26	34.99	27.77		1492.8							

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REFID 31 8137 YEAR 1969 RGTOP 04480 AIR TEMP 23.3 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 11 SHIP A1 WET BULB 19.9 24 2 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 02 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E34 004 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
18.1	OBS	0000	21.62	36.36	25.36		1528.0							
	OBS	0010	21.50	36.36	25.41		1527.9							
	OBS	0020	21.50	36.36	25.41		1528.0							
	OBS	0030	21.47	36.36	25.42		1528.1							
	OBS	0050	21.46	36.36	25.42		1528.4							
	OBS	0075	21.45	36.37	25.43		1528.8							
	OBS	0100	19.85	36.67	26.05		1525.3							
	OBS	0125	19.27	36.62	26.21		1524.1							
	OBS	0150	18.87	36.59	26.25		1523.3							
	OBS	0200	18.33	36.57	26.41		1522.6							
	OBS	0250	17.85	36.51	26.48		1522.0							
	OBS	0300	17.46	36.46	26.54		1521.6							
	OBS	0400	17.01	36.41	26.61		1521.8							
	OBS	0500	16.12	36.26	26.71		1520.6							
	OBS	0600	13.84	35.87	26.91		1514.6							
	OBS	0700	11.61	35.49	27.06		1508.2							
	OBS	0800	09.30	35.27	27.30		1501.3							
	OBS	0900	07.42	35.11	27.47		1495.7							
	OBS	1000	06.19	35.07	27.60		1492.4							
	OBS	1100	05.42	35.03	27.67		1490.9							
	OBS	1200	05.06	35.03	27.71		1491.1							
	OBS	1300	04.79	35.01	27.73		1491.7							
	OBS	1400	04.46	35.01	27.77		1492.0							
	OBS	1500	04.35	35.01	27.78		1493.2							

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REFID 31 8137 YEAR 1969 RGTOP 04114 AIR TEMP 21.7 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 11 SHIP A1 WET BULB 19.1 02 1 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 16 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 047 58 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E34 005 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.1	OBS	0000	21.33	36.29	25.40		1527.2							
	OBS	0010	21.25	36.30	25.43		1527.2							
	OBS	0020	21.23	36.30	25.44		1527.3							
	OBS	0030	21.19	36.30	25.45		1527.3							
	OBS	0050	21.19	36.31	25.46		1527.7							
	OBS	0075	21.24	36.34	25.47		1528.2							
	OBS	0100	19.93	36.54	25.97		1525.4							
	OBS	0125	18.74	36.53	26.27		1522.5							
	OBS	0150	18.24	36.55	26.42		1521.5							
	OBS	0200	17.81	36.53	26.51		1521.1							
	OBS	0250	17.52	36.50	26.56		1521.0							
	OBS	0300	17.20	36.46	26.60		1520.9							
	OBS	0400	16.91	36.42	26.64		1521.6							
	OBS	0430	16.83	36.42	26.66		1521.8							
	OBS	0500	15.52	36.12	26.74		1518.6							
	OBS	0600	13.51	35.78	26.91		1513.4							
	OBS	0700	11.60	35.50	27.07		1508.2							
	OBS	0800	09.29	35.24	27.28		1501.2							
	OBS	0900	07.30	35.09	27.47		1495.2							
	OBS	1000	06.09	35.06	27.61		1492.0							
	OBS	1100	05.40	35.06	27.70		1490.9							
	OBS	1200	04.95	35.05	27.74		1490.7							
	OBS	1300	04.63	35.02	27.75		1491.0							
	OBS	1400	04.41	35.01	27.77		1491.8							
	OBS	1500	04.24	35.01	27.79		1492.8							

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TABLE XIV.—Continued

REFID 31 8137	YEAR 1969	ECTOP 03840	AIR TEMP 26.2	DIR HGT PER	WIND-DIR 01	INST STO RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 11	SHIP AT	WET BULB 23.7	03 1 2	WIND-SPD 11	TRACE DIR 0	5 SQUARE 4
LAT 35 07 N	OAY 16	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FDR	DURATION 00.6	2 SQUARE 46
LONG 047 59 W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E34 006	1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	21.65	36.32	25.34		1528.1							
	OBS	00010	21.65	36.33	25.34		1528.2							
	OBS	00020	21.26	36.29	25.42		1527.3							
	OBS	00030	21.38	36.36	25.44		1527.9							
	OBS	00050	21.26	36.34	25.46		1527.9							
	OBS	00075	21.30	36.39	25.45		1528.5							
	OBS	00100	19.15	36.56	26.19		1523.3							
	OBS	00125	18.37	36.60	26.42		1521.5							
	OBS	00150	18.12	36.57	26.46		1521.2							
	OBS	00200	17.80	36.53	26.51		1521.0							
	OBS	00250	17.58	36.52	26.56		1521.2							
	OBS	00300	17.31	36.49	26.60		1521.2							
	OBS	00400	16.99	36.45	26.65		1521.8							
	OBS	00470	16.66	36.36	26.66		1521.9							
	OBS	00500	15.92	36.17	26.68		1519.9							
	OBS	00600	13.62	35.77	26.88		1513.7							
	OBS	00700	11.48	35.49	27.09		1507.8							
	OBS	00800	09.21	35.23	27.28		1500.9							
	OBS	00900	07.24	35.11	27.49		1495.0							
	OBS	01000	05.93	35.07	27.64		1491.4							
	OBS	01100	05.36	35.06	27.70		1490.7							
	OBS	01200	05.04	35.05	27.73		1491.1							
	OBS	01300	04.80	35.04	27.75		1491.8							
	OBS	01400	04.58	35.04	27.78		1492.5							
	OBS	01500	04.32	35.02	27.79		1493.1							

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REFID 31 8137	YEAR 1969	ECTOP 03383	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 06	INST STO RECORDER	TEN SQ 1206
CONSEC 0007	MONTH 11	SHIP AT	WET BULB 17.4	06 2 3	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 34 57 N	DAY 17	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 48
LONG 048 02 W	HOUR 12.0	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E34 007	1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	00000	21.55	36.35	25.35		1527.8							
	OBS	00010	21.47	36.35	25.41		1527.8							
	OBS	00020	21.47	36.35	25.41		1528.0							
	OBS	00030	21.46	36.35	25.41		1528.1							
	OBS	00050	21.35	36.35	25.44		1528.1							
	OBS	00075	21.40	36.40	25.47		1528.7							
	OBS	00380	21.08	36.53	25.65		1528.1							
	OBS	00100	19.25	36.52	26.14		1523.5							
	OBS	00125	18.65	36.49	26.27		1522.2							
	OBS	00150	18.23	36.52	26.40		1521.4							
	OBS	00200	17.64	36.49	26.47		1521.1							
	OBS	00250	17.49	36.48	26.55		1520.9							
	OBS	00300	17.33	36.43	26.55		1521.2							
	OBS	00400	16.92	36.39	26.62		1521.6							
	OBS	00500	15.84	36.13	26.67		1519.6							
	OBS	00600	14.02	35.70	26.74		1515.0							
	OBS	00700	11.51	35.43	27.03		1507.8							
	OBS	00800	09.37	35.18	27.22		1501.5							
	OBS	00900	07.52	35.06	27.41		1496.0							
	OBS	01000	06.08	35.02	27.58		1491.9							
	OBS	01100	05.30	35.01	27.67		1490.4							
	OBS	01200	05.05	35.04	27.72		1491.1							
	OBS	01300	04.80	35.03	27.74		1491.8							
	OBS	01400	04.46	34.99	27.75		1492.0							
	OBS	01500	04.33	34.99	27.76		1493.1							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 ECTOP 04572 AIR TEMP 20.1 OIR HGT PER WIND-OIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 11 SHIP A1 WET BULB 18.5 OIR 1 2 WIND-SPD 05 TRACE OIR 0 5 SQUARE 4  
 LAT 35 27 N DAY 18 DATA USE 1 BAROMETR 1007.E SEA WIND-FOR 00.6 DURATION 00.6 2 SQUARE 46  
 LCNG 047 12 W HOUR 11.8 AREA 05 CLCUD T/A CL/TRK WEATHER X1 URIG E34 00B 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIO3	PH
11.8	QBS	00000	21.40	36.48	25.53		1527.6							
	LES	00010	21.40	36.49	25.54		1527.8							
	QBS	00020	21.40	36.50	25.54		1527.9							
	QBS	00030	21.41	36.52	25.56		1528.2							
	QBS	00050	21.41	36.52	25.56		1528.5							
	QBS	00075	20.99	36.43	25.60		1527.7							
	QBS	00100	18.38	36.49	26.33		1521.0							
	QBS	00125	17.79	36.49	26.48		1519.7							
	QBS	00150	17.40	36.45	26.55		1516.9							
	QBS	00200	16.97	36.41	26.62		1518.4							
	QBS	00250	16.87	36.41	26.64		1519.0							
	QBS	00300	16.71	36.38	26.66		1519.3							
	QBS	00400	15.66	36.19	26.76		1517.5							
	QBS	00500	14.06	35.88	26.87		1513.7							
	QBS	00600	12.55	35.62	26.98		1510.0							
	QBS	00700	10.75	35.38	27.14		1505.1							
	QBS	00800	07.93	35.12	27.40		1496.0							
	QBS	00900	07.22	35.18	27.55		1495.0							
	QBS	00960	06.91	35.21	27.62		1494.6							
	QBS	00985	06.47	35.17	27.65		1493.4							
	QBS	01000	06.47	35.18	27.65		1493.7							
	QBS	01100	06.09	35.19	27.71		1493.9							
	QBS	01200	05.68	35.14	27.72		1493.8							
	QBS	01300	05.16	35.11	27.76		1493.3							
	QBS	01400	04.73	35.06	27.78		1493.2							
	QBS	01500	04.25	34.98	27.77		1492.8							

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REFID 31 8137 YEAR 1969 BOTOP 03840 AIR TEMP 22.7 OIR HGT PER WIND-OIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 11 SHIP A1 WET BULB 18.7 OIR 1 2 WIND-SPD 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 18 DATA USE 1 BAROMETR 1005.1 SEA WIND-FOR 00.6 DURATION 00.6 2 SQUARE 46  
 LONG 047 03 W HOUR 17.8 AREA 05 CLOUD T/A CL/TRK WEATHER X1 URIG E34 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIO3	PH
17.8	QBS	00000	21.66	36.39	25.39		1528.2							
	QBS	00010	21.38	36.40	25.47		1527.6							
	QBS	00020	21.35	36.41	25.49		1527.7							
	QBS	00030	21.38	36.43	25.50		1528.0							
	QBS	00050	21.32	36.43	25.51		1528.1							
	QBS	00075	19.40	36.39	26.00		1523.3							
	QBS	00100	18.23	36.55	26.42		1520.7							
	QBS	00125	17.78	36.49	26.48		1519.7							
	QBS	00150	17.44	36.38	26.48		1519.0							
	QBS	00200	16.68	36.39	26.83		1518.1							
	QBS	00250	16.55	36.32	26.65		1517.9							
	QBS	00300	15.99	36.23	26.71		1516.9							
	QBS	00400	14.83	35.99	26.75		1514.6							
	QBS	00500	13.59	35.78	26.85		1512.0							
	QBS	00600	12.17	35.59	27.03		1506.6							
	QBS	00700	10.14	35.27	27.16		1502.7							
	QBS	00800	08.17	35.08	27.33		1496.8							
	QBS	00900	06.89	35.15	27.57		1493.6							
	QBS	01000	06.60	35.20	27.65		1494.2							
	QBS	01100	06.26	35.21	27.71		1494.6							
	QBS	01200	05.67	35.20	27.75		1494.7							
	QBS	01300	05.29	35.15	27.78		1493.9							
	QBS	01400	04.96	35.11	27.75		1494.2							
	QBS	01500	04.33	35.03	27.80		1493.2							

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REFID 31 8137 YEAR 1969 BOTOP 03840 AIR TEMP 20.4 OIR HGT PER WIND-OIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 11 SHIP A1 WET BULB 18.4 OIR 4 3 WIND-SPD 08 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1003.0 SEA WIND-FOR 00.6 DURATION 00.6 2 SQUARE 48  
 LONG 048 02 W HOUR 17.9 AREA 05 CLOUD T/A CL/TRK WEATHER X2 URIG E34 010 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SIO3	PH
17.9	QBS	00000	21.19	36.30	25.45		1526.8							
	QBS	00010	21.18	36.32	25.47		1527.0							
	QBS	00020	21.19	36.32	25.46		1527.2							
	QBS	00030	21.18	36.35	25.45		1527.4							
	QBS	00050	21.21	36.35	25.48		1527.6							
	QBS	00075	21.20	36.38	25.51		1528.2							
	QBS	00100	19.82	36.61	26.05		1525.2							
	QBS	00125	15.15	36.61	26.23		1523.7							
	QBS	00150	18.50	36.54	26.34		1522.2							
	QBS	00200	17.85	36.54	26.51		1521.2							
	QBS	00250	17.49	36.50	26.56		1520.9							
	QBS	00300	17.30	36.48	26.55		1521.1							
	QBS	00400	16.93	36.44	26.65		1521.6							
	QBS	00500	16.35	36.30	26.68		1521.4							
	QBS	00600	14.00	35.81	26.83		1515.0							
	QBS	00700	11.41	35.47	27.08		1507.5							
	QBS	00800	09.39	35.19	27.22		1501.5							
	QBS	00900	07.51	35.07	27.42		1495.9							
	QBS	01000	06.32	35.08	27.54		1493.0							
	QBS	01100	05.48	35.05	27.62		1491.2							
	QBS	01200	05.05	35.04	27.72		1491.1							
	QBS	01300	04.79	35.03	27.74		1491.7							
	QBS	01400	04.49	35.01	27.76		1492.1							
	QBS	01500	04.31	35.00	27.77		1493.0							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTOP 04023 AIR TEMP 21.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 11 SHIP A1 WET BULB 18.5 WIND-SPD 12 TRACE DIR D 5 SQUARE 4  
 LAT 35 07 N DAY 20 DATA USE 1 BAROMETR 1007.5 SEA WIND-FUR DURATION 00.5 2 SQUARE 48  
 LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIG E34 011 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	21.10	36.37	25.53		1526.7							
	OBS	00010	21.00	36.37	25.55		1526.6							
	OBS	00020	21.00	36.37	25.55		1526.7							
	OBS	00030	20.99	36.37	25.56		1526.9							
	OBS	00050	20.99	36.37	25.56		1527.2							
	OBS	00075	21.00	36.41	25.59		1527.7							
	OBS	00100	19.92	36.46	25.91		1525.3							
	OBS	00125	18.80	36.53	26.26		1524.7							
	OBS	00150	18.28	36.53	26.39		1521.6							
	OBS	00200	17.71	36.50	26.51		1520.7							
	OBS	00250	17.39	36.46	26.56		1520.6							
	OBS	00300	17.09	36.42	26.60		1520.5							
	OBS	00400	16.82	36.41	26.66		1521.3							
	OBS	00500	15.80	36.18	26.72		1519.5							
	OBS	00600	13.81	35.76	26.83		1514.3							
	OBS	00700	10.99	35.39	27.10		1505.9							
	OBS	00800	09.15	35.18	27.25		1500.6							
	OBS	00900	07.12	35.09	27.49		1494.5							
	OBS	01000	06.09	35.05	27.60		1492.0							
	OBS	01100	05.44	35.03	27.67		1491.0							
	OBS	01200	04.96	35.02	27.72		1490.7							
	OBS	01300	04.63	35.01	27.75		1491.0							
	OBS	01400	04.35	35.00	27.77		1491.5							
	OBS	01500	04.23	35.00	27.78		1492.7							

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REFID 31 8137 YEAR 1969 BOTOP 04526 AIR TEMP 22.9 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 11 SHIP A1 WET BULB 19.9 WIND-SPD 15 TRACE DIR D 5 SQUARE 2  
 LAT 34 56 N DAY 20 DATA USE 1 BAROMETR 1007.1 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 13 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIG E34 012 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	21.25	36.31	25.44		1527.0							
	OBS	00010	21.22	36.34	25.47		1527.1							
	OBS	00020	21.04	36.35	25.53		1526.8							
	OBS	00030	21.01	36.37	25.55		1526.9							
	OBS	00050	21.08	36.43	25.58		1527.5							
	OBS	00075	20.50	36.58	25.85		1526.6							
	OBS	00100	19.40	36.59	26.15		1524.0							
	OBS	00125	18.65	36.57	26.33		1522.3							
	OBS	00150	18.20	36.55	26.42		1521.4							
	OBS	00200	17.75	36.51	26.51		1520.9							
	OBS	00250	17.50	36.49	26.55		1520.9							
	OBS	00300	17.28	36.46	26.58		1521.1							
	OBS	00400	16.97	36.43	26.64		1521.8							
	OBS	00500	16.00	36.21	26.70		1520.2							
	OBS	00600	14.10	35.79	26.79		1515.3							
	OBS	00700	10.64	35.47	27.23		1504.8							
	OBS	00800	09.24	35.21	27.26		1501.0							
	OBS	00900	07.24	35.09	27.48		1494.9							
	OBS	01000	06.21	35.06	27.59		1492.5							
	OBS	01100	05.31	35.02	27.66		1490.5							
	OBS	01200	04.92	35.03	27.73		1490.6							
	OBS	01300	04.68	35.02	27.75		1491.5							
	OBS	01400	04.42	35.00	27.76		1491.8							
	OBS	01500	04.24	34.99	27.77		1492.7							

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REFID 31 8137 YEAR 1969 BOTOP 04755 AIR TEMP 20.6 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 11 SHIP A1 WET BULB 17.4 WIND-SPD 13 TRACE DIR U 5 SQUARE 2  
 LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1011.9 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIG F34 013 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	21.05	36.39	25.56		1526.6							
	OBS	00010	21.03	36.39	25.56		1526.7							
	OBS	00020	21.02	36.39	25.56		1526.8							
	OBS	00030	21.02	36.40	25.57		1527.0							
	OBS	00050	21.01	36.40	25.57		1527.3							
	OBS	00075	21.01	36.41	25.56		1527.7							
	OBS	00100	19.08	36.57	26.22		1523.1							
	OBS	00125	18.60	36.57	26.34		1522.1							
	OBS	00150	18.21	36.56	26.43		1521.4							
	OBS	00200	17.79	36.54	26.52		1521.0							
	OBS	00250	17.46	36.50	26.57		1520.8							
	OBS	00300	17.19	36.46	26.61		1520.8							
	OBS	00400	16.96	36.44	26.65		1521.7							
	OBS	00500	15.72	36.16	26.72		1519.3							
	OBS	00600	13.50	35.74	26.88		1513.3							
	OBS	00700	11.62	35.40	26.99		1508.2							
	OBS	00800	09.12	35.21	27.28		1500.6							
	OBS	00900	07.05	35.08	27.50		1494.2							
	OBS	01000	05.99	35.06	27.62		1491.6							
	OBS	01100	05.28	35.03	27.65		1490.4							
	OBS	01200	04.99	35.03	27.72		1490.9							
	OBS	01300	04.71	35.03	27.75		1491.4							
	OBS	01400	04.44	35.00	27.76		1491.9							
	OBS	01500	04.22	34.99	27.73		1492.7							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTOP 04389 AIR TEMP 24.1 OIR HGT PER WIND-OIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 11 SHIP A1 WET BULB 20.4 WIND-SPO 10 TRACE OIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1011.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 08 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E34 014 1 SQUARE 46

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	21.23	36.37	25.49		1527.0							
	OBS	00010	21.15	36.37	25.51		1527.0							
	OBS	00020	21.05	36.37	25.54		1526.9							
	OBS	00030	21.03	36.38	25.55		1527.0							
	OBS	00050	21.03	36.38	25.55		1527.3							
	OBS	00075	21.00	36.43	25.60		1527.7							
	OBS	00100	19.17	36.56	26.15		1523.3							
	OBS	00125	18.56	36.56	26.34		1522.1							
	OBS	00150	18.16	36.54	26.43		1521.3							
	OBS	00200	17.59	36.50	26.54		1520.4							
	OBS	00250	17.32	36.47	26.58		1520.4							
	OBS	00300	17.05	36.43	26.62		1520.3							
	OBS	00400	16.91	36.43	26.65		1521.6							
	OBS	00500	15.89	36.15	26.67		1519.8							
	OBS	00600	13.98	35.79	26.82		1514.9							
	OBS	00700	11.32	35.41	27.05		1507.1							
	OBS	00800	08.97	35.17	27.28		1500.0							
	OBS	00900	07.13	35.07	27.48		1494.5							
	OBS	01000	05.57	35.08	27.64		1491.6							
	OBS	01100	05.39	35.05	27.65		1490.9							
	OBS	01200	05.00	35.02	27.71		1450.9							
	OBS	01300	04.83	35.03	27.74		1491.9							
	OBS	01400	04.48	35.01	27.76		1492.1							
	OBS	01500	04.26	34.99	27.77		1452.8							

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REFID 31 8137 YEAR 1969 BOTOP 04297 AIR TEMP 21.2 OIR HGT PER WIND-OIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 11 SHIP A1 WET BULB 18.3 WIND-SPO 05 TRACE OIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 22 DATA USE 1 BAROMETR 1014.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 11 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E34 015 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	21.19	36.36	25.45		1526.9							
	OBS	00010	21.18	36.38	25.51		1527.1							
	OBS	00020	21.14	36.38	25.52		1527.1							
	OBS	00030	21.13	36.39	25.53		1527.3							
	OBS	00050	21.13	36.39	25.53		1527.6							
	OBS	00075	21.11	36.41	25.55		1528.0							
	OBS	00100	20.11	36.58	25.95		1525.9							
	OBS	00125	18.92	36.58	26.27		1523.1							
	OBS	00150	18.39	36.56	26.35		1521.9							
	OBS	00200	17.62	36.50	26.53		1520.5							
	OBS	00250	17.40	36.48	26.57		1520.6							
	OBS	00300	17.09	36.44	26.61		1520.5							
	OBS	00400	16.87	36.42	26.65		1521.4							
	OBS	00500	15.59	36.13	26.73		1518.8							
	OBS	00600	13.42	35.74	26.90		1513.0							
	OBS	00700	11.41	35.44	27.06		1507.5							
	OBS	00800	09.03	35.20	27.25		1500.2							
	OBS	00900	07.15	35.08	27.48		1494.6							
	OBS	01000	05.02	35.06	27.62		1491.7							
	OBS	01100	05.39	35.04	27.66		1490.8							
	OBS	01200	04.99	35.03	27.72		1490.9							
	OBS	01300	04.77	35.03	27.75		1491.6							
	OBS	01400	04.58	35.02	27.76		1492.5							
	OBS	01500	04.31	35.00	27.77		1493.0							

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REFID 31 8137 YEAR 1969 BOTOP 04938 AIR TEMP 22.9 OIR HGT PER WIND-OIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 11 SHIP A1 WET BULB 19.6 WIND-SPO 04 TRACE OIR 0 5 SQUARE 2  
 LAT 34 47 N DAY 22 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 13 W HOUR 17.8 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E34 016 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.8	OBS	00000	21.40	36.35	25.43		1527.4							
	OBS	00010	21.18	36.35	25.49		1527.0							
	OBS	00020	21.17	36.35	25.45		1527.2							
	OBS	00030	21.17	36.35	25.49		1527.3							
	OBS	00040	21.18	36.37	25.51		1527.5							
	OBS	00050	20.65	36.27	25.57		1526.2							
	OBS	00065	20.00	36.12	25.63		1524.5							
	OBS	00075	20.10	36.20	25.67		1525.0							
	OBS	00090	20.40	36.56	25.86		1526.5							
	OBS	00100	19.59	36.57	26.08		1524.5							
	OBS	00125	18.86	36.58	26.28		1522.9							
	OBS	00150	18.28	36.55	26.41		1521.6							
	OBS	00200	17.86	36.52	26.49		1521.2							
	OBS	00250	17.37	36.47	26.57		1520.5							
	OBS	00300	17.08	36.44	26.62		1520.4							
	OBS	00400	16.92	36.43	26.65		1521.6							
	OBS	00500	15.48	36.05	26.69		1518.4							
	OBS	00600	13.32	35.68	26.87		1512.6							
	OBS	00700	10.61	35.28	27.08		1504.4							
	OBS	00800	08.53	35.12	27.31		1498.3							
	OBS	00900	06.86	35.07	27.51		1493.4							
	OBS	01000	05.77	35.04	27.63		1490.7							
	OBS	01100	05.19	35.03	27.70		1490.0							
	OBS	01200	04.91	35.02	27.72		1490.5							
	OBS	01300	04.63	35.01	27.75		1491.0							
	OBS	01400	04.39	35.01	27.77		1491.7							
	OBS	01500	04.21	34.99	27.78		1492.6							

TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTOP 04936 AIR TEMP 20.5 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 11 SHIP AI WET BULB 17.4 28 1 2 WIND-SPD 06 TRACE DIR U 5 SQUARE 2  
 LAT 34 48 N DAY 23 DATA USE 1 BAROMETR 1012.9 SEA WIND-FUF DURATION 00.4 2 SQUARE 48  
 LONG 048 13 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 G17 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
12.0	OBS	00000	21.24	36.37	25.45		1527.0							
	OBS	00010	21.24	36.38	25.50		1527.2							
	OBS	00020	21.26	36.38	25.45		1527.4							
	OBS	00030	21.25	36.39	25.50		1527.6							
	OBS	00050	21.19	36.40	25.53		1527.8							
	OBS	00075	21.00	36.43	25.60		1527.7							
	OBS	00100	19.44	36.59	26.14		1524.1							
	OBS	00125	18.77	36.58	26.30		1522.6							
	OBS	00150	18.38	36.57	26.40		1521.9							
	OBS	00200	17.80	36.53	26.51		1521.0							
	OBS	00250	17.43	36.50	26.58		1520.7							
	OBS	00300	17.14	36.45	26.61		1520.6							
	OBS	00400	16.92	36.44	26.66		1521.6							
	OBS	00500	15.98	36.20	26.65		1520.1							
	OBS	00600	13.58	35.77	26.85		1513.6							
	OBS	00700	11.38	35.42	27.05		1507.3							
	OBS	00800	08.79	35.14	27.26		1499.3							
	OBS	00900	07.04	35.08	27.50		1494.1							
	OBS	01000	05.94	35.07	27.64		1491.4							
	OBS	01100	05.30	35.03	27.68		1490.5							
	OBS	01200	04.98	35.03	27.72		1490.8							
	OBS	01300	04.60	35.01	27.75		1490.9							
	OBS	01400	04.38	34.99	27.76		1491.6							
	OBS	01500	04.17	34.98	27.77		1492.4							

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REFID 31 8137 YEAR 1969 BOTOP 04572 AIR TEMP 20.6 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0018 MONTH 11 SHIP AI WET BULB 18.5 16 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4  
 LAT 35 23 N DAY 26 DATA USE 1 BAROMETR 1016.6 SEA WIND-FUF DURATION 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E34 018 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	JXYG	P34	TCT P	NO2	NO3	SI03	PH
12.0	OBS	00000	20.10	36.12	25.61		1525.7							
	OBS	00010	20.09	36.13	25.62		1523.9							
	OBS	00020	20.08	36.13	25.62		1524.0							
	OBS	00030	20.08	36.13	25.62		1524.2							
	OBS	00050	20.09	36.18	25.66		1524.0							
	OBS	00075	20.19	36.22	25.66		1525.3							
	OBS	00100	20.42	36.36	25.70		1526.5							
	OBS	00125	18.54	36.36	26.20		1521.7							
	OBS	00150	18.22	36.40	26.37		1521.4							
	OBS	00200	17.54	36.44	26.51		1520.2							
	OBS	00250	17.02	36.40	26.60		1519.4							
	OBS	00300	16.44	36.28	26.65		1518.3							
	OBS	00400	14.87	35.97	26.77		1514.7							
	OBS	00500	13.01	35.67	26.92		1509.9							
	OBS	00600	10.97	35.35	27.07		1504.2							
	OBS	00700	09.18	35.15	27.23		1499.1							
	OBS	00800	06.89	35.02	27.47		1491.8							
	OBS	00900	06.12	35.05	27.60		1490.5							
	OBS	01000	05.34	35.03	27.68		1489.0							
	OBS	01100	04.91	35.03	27.73		1488.9							
	OBS	01200	04.77	35.02	27.74		1490.0							
	OBS	01300	04.55	35.01	27.76		1490.7							
	OBS	01400	04.36	35.00	27.77		1491.6							
	OBS	01500	04.22	35.00	27.78		1492.7							

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REFID 31 8137 YEAR 1969 BOTOP 04572 AIR TEMP 20.2 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 11 SHIP AI WET BULB 17.1 09 2 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4  
 LAT 35 00 N DAY 27 DATA USE 1 BAROMETR 1015.2 SEA WIND-FUF DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 019 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	JXYG	P34	TCT P	NO2	NO3	SI03	PH
12.0	OBS	00000	20.19	36.22	25.66		1524.1							
	OBS	00010	20.19	36.23	25.67		1524.3							
	OBS	00020	20.19	36.23	25.67		1524.5							
	OBS	00030	20.20	36.24	25.67		1524.6							
	OBS	00050	20.20	36.25	25.68		1525.0							
	OBS	00075	20.19	36.25	25.68		1525.3							
	OBS	00100	20.28	36.28	25.68		1526.0							
	OBS	00125	18.98	36.45	26.15		1523.1							
	OBS	00150	17.98	36.43	26.35		1520.6							
	OBS	00200	17.48	36.43	26.51		1520.0							
	OBS	00250	17.16	36.41	26.57		1519.6							
	OBS	00300	17.06	36.42	26.61		1520.4							
	OBS	00400	15.18	36.03	26.74		1513.9							
	OBS	00500	13.57	35.73	26.86		1511.9							
	OBS	00600	11.37	35.43	27.06		1505.7							
	OBS	00700	08.98	35.14	27.25		1498.3							
	OBS	00800	07.47	35.06	27.42		1494.1							
	OBS	00900	05.96	35.06	27.62		1483.8							
	OBS	01000	05.36	35.06	27.70		1489.1							
	OBS	01100	04.96	35.04	27.73		1489.1							
	OBS	01200	04.63	35.02	27.75		1484.4							
	OBS	01300	04.40	35.02	27.76		1490.1							
	OBS	01400	04.25	35.01	27.75		1491.1							
	OBS	01500	04.16	35.00	27.75		1492.4							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BDTOP 0480 AIR TEMP 21.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 11 SHIP AI WET BULB 17.5 09 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1014.9 SEA WIND-FUK DURATION 00.3 2 SQUARE 46  
 LONG 047 53 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 020 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	0000	20.75	36.35	25.60		1525.8							
	OBS	0010	20.77	36.35	25.60		1525.9							
	OBS	0020	20.77	36.36	25.61		1526.1							
	OBS	0030	20.80	36.38	25.62		1526.4							
	OBS	0050	20.77	36.40	25.64		1526.7							
	OBS	0075	20.71	36.40	25.66		1526.9							
	OBS	0100	18.85	36.54	26.25		1522.4							
	OBS	0125	18.19	36.52	26.41		1520.9							
	OBS	0150	17.89	36.52	26.48		1520.5							
	OBS	0200	17.42	36.48	26.57		1519.9							
	OBS	0250	17.15	36.44	26.60		1519.8							
	OBS	0300	16.97	36.42	26.63		1520.1							
	OBS	0400	15.39	36.04	26.70		1516.5							
	OBS	0500	13.90	35.80	26.84		1513.0							
	OBS	0600	11.54	35.48	27.07		1506.3							
	OBS	0700	09.48	35.22	27.23		1500.3							
	OBS	0800	08.02	35.18	27.43		1496.4							
	OBS	0900	06.57	35.10	27.58		1492.3							
	OBS	1000	05.68	35.05	27.65		1490.4							
	OBS	1100	05.15	35.02	27.69		1489.5							
	OBS	1200	04.77	35.01	27.73		1489.9							
	OBS	1300	04.35	35.00	27.77		1489.9							
	OBS	1400	04.31	34.99	27.77		1481.4							
	OBS	01500	04.18	34.99	27.78		1492.5							

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REFID 31 8137 YEAR 1969 BDTOP 04938 AIR TEMP 21.9 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0021 MONTH 11 SHIP AI WET BULB 19.3 33 2 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 34 42 N DAY 28 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 021 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	OBS	0000	20.34	36.24	25.63		1524.5							
	OBS	0010	20.34	36.25	25.64		1524.7							
	OBS	0020	20.34	36.25	25.64		1524.8							
	OBS	0030	20.35	36.26	25.65		1525.0							
	OBS	0050	20.36	36.26	25.64		1525.4							
	OBS	0075	20.41	36.32	25.66		1526.0							
	OBS	0090	19.40	36.44	26.04		1523.7							
	OBS	0100	18.46	36.42	26.26		1521.2							
	OBS	0125	17.76	36.44	26.45		1519.6							
	OBS	0150	17.55	36.46	26.52		1519.4							
	OBS	0200	17.36	36.48	26.58		1519.7							
	OBS	0250	17.06	36.43	26.61		1519.6							
	OBS	0300	16.95	36.43	26.64		1520.0							
	OBS	0400	15.25	36.07	26.76		1516.1							
	OBS	0500	13.36	35.75	26.92		1511.2							
	OBS	0600	10.66	35.45	27.21		1503.2							
	OBS	0700	09.21	35.19	27.25		1499.2							
	OBS	0800	07.17	35.10	27.49		1493.0							
	OBS	0900	06.32	35.10	27.61		1491.3							
	OBS	1000	05.47	35.04	27.67		1489.5							
	OBS	1100	05.07	35.04	27.72		1489.5							
	OBS	1200	04.76	35.02	27.74		1489.9							
	OBS	1300	04.49	35.01	27.76		1490.5							
	OBS	1400	04.36	35.01	27.78		1491.6							
	OBS	01500	04.16	35.00	27.79		1492.4							

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REFID 31 8137 YEAR 1969 BDTOP 04938 AIR TEMP 21.8 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CONSEC 0022 MONTH 11 SHIP AI WET BULB 19.1 31 3 3 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 28 DATA USE 1 BAROMETR 1021.3 SEA WIND-FUK DURATION 00.3 2 SQUARE 46  
 LONG 048 02 W HOUR 14.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 022 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	0000	20.19	36.30	25.72		1524.2							
	OBS	0010	20.18	36.30	25.72		1524.3							
	OBS	0020	20.18	36.30	25.72		1524.5							
	OBS	0030	20.18	36.30	25.72		1524.6							
	OBS	0050	20.18	36.30	25.72		1525.0							
	OBS	0075	19.67	36.55	26.05		1524.3							
	OBS	0100	18.81	36.57	26.25		1522.3							
	OBS	0125	18.17	36.50	26.40		1520.8							
	OBS	0140	17.65	36.42	26.46		1519.5							
	OBS	0150	17.74	36.47	26.48		1520.0							
	OBS	0200	17.25	36.45	26.58		1519.3							
	OBS	0250	17.00	36.42	26.62		1519.4							
	OBS	0300	16.85	36.44	26.66		1519.7							
	OBS	0400	14.71	35.57	26.80		1514.2							
	OBS	0500	12.99	35.69	26.95		1509.9							
	OBS	0600	11.17	35.43	27.10		1505.0							
	OBS	0700	08.83	35.17	27.30		1497.8							
	OBS	0800	07.15	35.07	27.47		1492.9							
	OBS	0900	05.99	35.06	27.62		1490.3							
	OBS	1000	05.22	35.03	27.65		1488.5							
	OBS	1100	04.93	35.03	27.73		1489.0							
	OBS	1200	04.70	35.01	27.74		1489.6							
	OBS	1300	04.43	35.00	27.76		1490.2							
	OBS	1400	04.18	35.00	27.75		1490.8							
	OBS	01500	04.12	35.00	27.75		1492.3							

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TABLE XIV.—Continued

REFID 31 B137 YEAR 1969 BOTOP 04663 AIR TEMP 20.3 OIP HGT PER WIND-DIR 01 INST STO RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 11 SHIP A1 WET BULB 16.6 35 1 2 WIND-SPO 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 03 N DAY 29 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR 0URATION 00.3 2 SQUARE 48  
 LONG 048 37 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 023 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
12.0	065	00000	20.72	36.38	25.64		1525.7							
	065	00010	20.72	36.39	25.65		1525.9							
	065	00020	20.72	36.40	25.65		1526.0							
	065	00030	20.73	36.41	25.66		1526.2							
	065	00050	20.73	36.41	25.66		1526.6							
	065	00075	20.38	36.54	25.85		1526.2							
	065	00100	18.37	36.53	26.37		1521.0							
	065	00125	18.04	36.53	26.45		1520.5							
	065	00150	17.60	36.50	26.45		1520.2							
	065	00200	17.53	36.50	26.55		1520.2							
	065	00250	17.18	36.45	26.60		1519.9							
	065	00300	17.01	36.44	26.63		1520.2							
	065	00400	16.66	36.34	26.64		1520.7							
	065	00500	15.00	36.01	26.77		1516.4							
	065	00600	12.59	35.61	26.97		1510.1							
	065	00700	10.20	35.26	27.14		1502.9							
	065	00800	08.39	35.17	27.37		1497.6							
	065	00900	06.99	35.11	27.53		1494.0							
	065	01000	05.71	35.04	27.64		1490.5							
	065	01100	05.15	35.03	27.70		1489.8							
	065	01200	04.83	35.02	27.73		1490.2							
	065	01300	04.55	35.00	27.75		1490.7							
	065	01400	04.35	34.99	27.76		1491.5							
	065	01500	04.20	34.98	27.77		1492.6							

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REFID 31 B137 YEAR 1969 BOTOP 05486 AIR TEMP 20.2 OIP HGT PER WIND-DIR 36 INST STO RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 11 SHIP A1 WET BULB 17.6 35 1 3 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 33 35 N DAY 29 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR 0URATION 00.3 2 SQUARE 28  
 LONG 049 00 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E34 024 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
18.2	065	00000	20.70	36.35	25.62		1525.6							
	065	00010	20.69	36.36	25.63		1525.7							
	065	00020	20.69	36.37	25.64		1525.9							
	065	00030	20.65	36.37	25.65		1526.0							
	065	00050	20.71	36.42	25.67		1526.5							
	065	00075	19.92	36.55	25.98		1525.0							
	065	00085	19.22	36.59	26.20		1523.2							
	065	00100	18.60	36.56	26.33		1521.7							
	065	00125	18.16	36.55	26.44		1520.9							
	065	00150	17.76	36.52	26.51		1520.1							
	065	00200	17.40	36.47	26.56		1519.8							
	065	00250	17.14	36.44	26.60		1519.8							
	065	00300	17.02	36.44	26.63		1520.3							
	065	00400	16.56	36.34	26.66		1520.4							
	065	00500	14.98	36.03	26.74		1516.8							
	065	00600	12.93	35.68	26.95		1511.3							
	065	00700	10.67	35.38	27.15		1504.8							
	065	00800	08.31	35.12	27.34		1497.4							
	065	00840	08.03	35.21	27.45		1497.1							
	065	00900	07.41	35.21	27.55		1495.7							
	065	00930	07.17	35.22	27.55		1495.3							
	065	01000	05.79	35.04	27.63		1490.8							
	065	01050	05.42	35.04	27.68		1490.1							
	065	01062	05.76	35.14	27.71		1491.8							
	065	01100	05.51	35.11	27.72		1491.4							
	065	01120	05.47	35.10	27.72		1491.6							
	065	01200	04.76	35.02	27.74		1489.9							
	065	01300	04.41	35.01	27.77		1490.1							
	065	01400	04.37	35.01	27.78		1491.6							
	065	01500	04.21	35.00	27.79		1492.6							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTDP 04572 AIR TEMP 21.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 12 SHIP A1 WET BULB 19.1 DIR 3 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 25 N DAY 01 DATA USE 1 BAROMETR 1016.6 SEA WIND-FOR 03.3 4 SQUARE 48  
 LONG 049 55 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER XL ORIG E34 C25 1 SQUARE 44

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYDPTH	SNO VEL	DAYC	P34	TOT P	NO2	NO3	SIJ3	PH
12.0	0BS	00000	20.73	36.39	25.64		1525.7							
	0BS	00010	20.73	36.39	25.64		1525.9							
	0BS	00020	20.73	36.40	25.65		1526.1							
	0BS	00030	20.73	36.40	25.65		1526.2							
	0BS	00050	20.73	36.40	25.65		1526.6							
	0BS	00075	20.73	36.40	25.65		1527.0							
	0BS	00085	20.73	36.40	25.65		1527.1							
	0BS	00100	19.97	36.55	25.97		1525.5							
	0BS	00125	18.76	36.55	26.26		1522.6							
	0BS	00150	18.28	36.50	26.37		1521.6							
	0BS	00200	17.79	36.50	26.44		1521.0							
	0BS	00250	17.56	36.48	26.53		1521.1							
	0BS	00300	17.29	36.45	26.57		1521.1							
	0BS	00400	16.99	36.42	26.62		1521.8							
	0BS	00500	16.38	36.27	26.65		1521.4							
	0BS	00600	14.39	35.89	26.81		1516.4							
	0BS	00700	12.17	35.51	26.97		1510.2							
	0BS	00800	09.96	35.25	27.17		1503.7							
	0BS	00900	08.12	35.14	27.35		1496.4							
	0BS	01000	06.38	35.05	27.56		1493.2							
	0BS	01100	05.57	35.02	27.64		1491.5							
	0BS	01200	05.06	35.02	27.71		1491.1							
	0BS	01270	04.77	35.01	27.73		1491.1							
	0BS	01490	04.90	35.04	27.74		1492.0							
	0BS	01300	04.80	35.02	27.74		1491.7							
	0BS	01310	04.74	35.01	27.73		1491.6							
12.0	0BS	01325	04.95	35.06	27.75		1492.8							
	0BS	01355	04.76	35.03	27.75		1492.2							
00.3	0BS	01360	05.01	35.08	27.76		1493.7							
	0BS	01400	04.77	35.05	27.76		1493.3							
	0BS	01500	04.67	35.07	27.75		1494.6							

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REFID 31 8177 YEAR 1969 BOTDP 04755 AIR TEMP 21.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0026 MONTH 12 SHIP A1 WET BULB 18.4 DIR 2 3 WIND-SPD 15 TRACE DIR 1 5 SQUARE 4  
 LAT 35 02 N DAY 02 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR 03.3 4 SQUARE 48  
 LONG 049 45 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E34 C26 1 SQUARE 59

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYDPTH	SNO VEL	DAYC	P34	TOT P	NO2	NO3	SIJ3	PH
11.5	0BS	00000	20.73	36.37	25.63		1525.7							
	0BS	00010	20.72	36.37	25.63		1525.8							
	0BS	00020	20.72	36.37	25.63		1526.0							
	0BS	00030	20.72	36.37	25.63		1526.2							
	0BS	00050	20.72	36.38	25.64		1526.5							
	0BS	00075	20.71	36.38	25.64		1526.7							
	0BS	00100	19.60	36.35	25.67		1524.5							
	0BS	00125	18.81	36.55	26.07		1522.7							
	0BS	00150	18.40	36.53	26.36		1521.9							
	0BS	00200	17.70	36.47	26.45		1520.7							
	0BS	00250	17.46	36.45	26.55		1520.8							
	0BS	00300	17.21	36.42	26.57		1520.8							
	0BS	00400	17.11	36.42	26.55		1522.7							
	0BS	00500	16.17	36.24	26.60		1520.7							
	0BS	00600	14.60	35.93	26.75		1517.1							
	0BS	00700	12.87	35.63	26.94		1512.7							
	0BS	00800	10.70	35.34	27.11		1506.5							
	0BS	00900	08.60	35.14	27.31		1500.2							
	0BS	01000	06.32	34.96	27.50		1493.6							
	0BS	01100	05.20	34.94	27.63		1489.9							
	0BS	01200	05.19	35.02	27.65		1491.7							
	0BS	01300	04.72	34.98	27.71		1491.4							
	0BS	01400	04.45	34.98	27.74		1491.9							
	0BS	01500	04.38	34.98	27.75		1493.3							

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TABLE XIV.—Continued

REFID 31 8137 YEAR 1969 BOTOP 04938 AIR TEMP 21.4 OIR HGT PER #WIND-OIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0027 MONTH 12 SHIP A1 WET BULB 18.3 20 3 5 #WIND-SPD 19 TRACE OIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 02 DATA USE 1 BAROMETR 1013.2 SEA #WIND-FUR 00.5 2 SQUARE 48  
 LONG 049 45 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR #WEATHER X1 ORIG E34 G27 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIU3	PH
16.0	OBS	00000	20.64	36.40	25.68		1525.5							
	OBS	00010	20.64	36.40	25.68		1525.7							
	OBS	00020	20.64	36.41	25.68		1525.8							
	OBS	00030	20.64	36.41	25.68		1526.0							
	OBS	00050	20.64	36.41	25.68		1526.3							
	OBS	00075	20.64	36.41	25.68		1526.7							
	OBS	00100	19.24	36.55	26.18		1526.7							
	OBS	00125	18.63	36.56	26.33		1527.2							
	OBS	00150	18.13	36.52	26.47		1521.1							
	OBS	00200	17.63	36.48	26.51		1520.5							
	OBS	00250	17.32	36.46	26.57		1520.4							
	OBS	00300	17.19	36.43	26.55		1520.7							
	OBS	00400	17.03	36.44	26.63		1521.9							
	OBS	00500	16.53	36.32	26.86		1521.9							
	OBS	00600	14.70	35.56	26.80		1517.5							
	OBS	00700	13.14	35.70	26.92		1515.7							
	OBS	00800	11.01	35.40	27.10		1507.7							
	OBS	00900	08.33	35.12	27.34		1499.2							
	OBS	01000	06.41	35.03	27.54		1493.3							
	OBS	01100	05.27	34.57	27.64		1490.3							
	OBS	01200	04.87	35.02	27.73		1490.4							
	OBS	01300	04.76	35.03	27.75		1481.6							
	OBS	01400	04.50	35.02	27.77		1482.2							
	OBS	01500	04.30	35.02	27.75		1493.0							

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REFID 31 8137 YEAR 1969 BOTOP 04846 AIR TEMP 21.8 OIR HGT PER #WIND-OIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0028 MONTH 12 SHIP A1 WET BULB 18.5 20 3 4 #WIND-SPD 13 TRACE OIR 0 5 SQUARE 4  
 LAT 35 15 N DAY 03 DATA USE 1 BAROMETR 1014.2 SEA #WIND-FUR 00.3 2 SQUARE 48  
 LONG 049 50 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR #WEATHER X1 ORIG E34 Q28 1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIU3	PH
12.0	OBS	00000	20.65	36.38	25.66		1525.5							
	OBS	00010	20.65	36.38	25.66		1525.7							
	OBS	00020	20.65	36.38	25.66		1525.8							
	OBS	00030	20.65	36.38	25.66		1526.0							
	OBS	00050	20.65	36.39	25.67		1526.3							
	OBS	00075	20.61	36.41	25.69		1526.7							
	OBS	00100	19.60	36.56	26.07		1524.5							
	OBS	00125	18.98	36.58	26.25		1523.2							
	OBS	00150	18.49	36.56	26.36		1522.2							
	OBS	00200	17.90	36.51	26.47		1521.3							
	OBS	00250	17.55	36.49	26.54		1521.1							
	OBS	00300	17.30	36.46	26.56		1521.1							
	OBS	00400	17.09	36.44	26.61		1522.1							
	OBS	00500	16.50	36.40	26.72		1522.0							
	OBS	00600	15.00	36.04	26.75		1518.5							
	OBS	00645	14.40	35.97	26.87		1517.3							
	OBS	00680	14.50	36.01	26.88		1518.2							
	OBS	00700	14.10	35.92	26.85		1517.1							
	OBS	00800	11.99	35.53	27.02		1511.2							
	OBS	00900	09.71	35.23	27.20		1504.4							
	OBS	01000	07.61	35.08	27.41		1498.0							
	OBS	01100	05.91	35.01	27.59		1492.9							
	OBS	01200	05.56	35.05	27.67		1493.2							
	OBS	01300	05.00	35.04	27.73		1492.6							
	OBS	01400	04.64	35.02	27.75		1492.8							
	OBS	01500	04.42	35.01	27.77		1493.5							

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REFID 31 8137 YEAR 1969 BOTOP 04846 AIR TEMP 21.8 OIR HGT PER #WIND-OIR 15 INST STD RECORDER TEN SQ 1207  
 CONSEC 0029 MONTH 12 SHIP A1 WET BULB 18.6 21 3 4 #WIND-SPD 09 TRACE OIR 0 5 SQUARE 3  
 LAT 35 03 N DAY 03 DATA USE 1 BAROMETR 1013.5 SEA #WIND-FUR 00.5 2 SQUARE 40  
 LONG 050 00 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR #WEATHER X1 ORIG E34 Q29 1 SQUARE 50

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIU3	PH
18.0	OBS	00000	20.64	36.36	25.65		1525.5							
	OBS	00010	20.64	36.36	25.65		1525.6							
	OBS	00020	20.64	36.36	25.65		1525.8							
	OBS	00030	20.64	36.37	25.65		1526.0							
	OBS	00050	20.64	36.37	25.65		1526.3							
	OBS	00075	20.63	36.38	25.66		1526.7							
	OBS	00100	19.62	36.55	26.06		1524.6							
	OBS	00125	18.84	36.53	26.25		1522.8							
	OBS	00150	18.27	36.52	26.39		1521.5							
	OBS	00200	17.75	36.49	26.49		1520.8							
	OBS	00250	17.46	36.45	26.53		1520.8							
	OBS	00300	17.22	36.43	26.58		1520.8							
	OBS	00400	17.05	36.42	26.61		1522.0							
	OBS	00500	16.83	36.38	26.63		1522.9							
	OBS	00600	15.11	36.03	26.76		1518.9							
	OBS	00700	13.61	35.78	26.89		1515.4							
	OBS	00800	12.03	35.52	27.01		1511.4							
	OBS	00900	09.45	35.23	27.24		1503.5							
	OBS	01000	07.33	35.06	27.44		1496.9							
	OBS	01100	05.21	34.87	27.57		1489.9							
	OBS	01200	05.09	35.00	27.69		1491.2							
	OBS	01300	04.88	35.01	27.72		1492.1							
	OBS	01400	04.63	35.00	27.74		1492.7							
	OBS	01500	04.42	35.00	27.76		1493.5							

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TABLE XV.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 28 December 1969 - 19 January 1970, prepared from NODC listing No. 31 - 8150.

REFID 31 8150	YEAR 1969	BOTOP 05121	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 12	SHIP EN	WET BULB 17.6	13 2 2	WIND-SFD 26	TRACE DIR 0	5 SQUARE 4
LAT 35 10 N	DAY 28	DATA USE 1	BAROMETR 1015.0	SEA	WIND-FUR	DURATION 00.2	2 SQUARE 48
LONG 048 35 W	HOOR 06.3	AREA 05	CLOUD T/A	CL/TR	WEATH-HEX X1	CRIG E3E 001	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
06.3	OBS	0000	15.85	36.38	25.87		1523.3							
	OBS	0010	15.86	36.39	25.88		1523.5							
	OBS	0020	15.86	36.39	25.88		1523.7							
	OBS	0030	15.86	36.39	25.88		1523.9							
	OBS	0050	15.58	36.37	25.93		1523.4							
	OBS	0075	15.51	36.38	25.96		1523.6							
	OBS	0090	15.50	36.39	25.97		1523.9							
	OBS	0100	15.23	36.46	26.05		1523.4							
	OBS	0115	15.33	36.54	26.35		1521.3							
	OBS	0150	18.06	36.53	26.45		1521.0							
	OBS	0200	17.48	36.48	26.55		1520.0							
	OBS	0250	17.12	36.44	26.61		1519.7							
	OBS	0300	17.01	36.45	26.64		1520.3							
	OBS	0330	16.89	36.43	26.65		1520.9							
	OBS	0400	16.47	36.30	26.65		1520.1							
	OBS	0500	14.73	35.97	26.80		1515.9							
	OBS	0600	13.01	35.68	26.94		1511.6							
	OBS	0675	11.32	35.46	27.05		1506.8							
	OBS	0695	11.30	35.51	27.14		1507.1							
	OBS	0700	11.21	35.49	27.14		1506.8							
	OBS	0800	09.25	35.27	27.31		1501.1							
	OBS	0900	08.05	35.23	27.47		1498.2							
	OBS	0945	07.27	35.18	27.54		1495.9							
	OBS	0960	07.30	35.21	27.56		1496.3							
	OBS	1000	06.90	35.19	27.60		1495.4							
	OBS	1100	06.36	35.18	27.67		1494.9							
	OBS	1200	05.64	35.08	27.68		1493.6							
	OBS	1260	05.11	35.06	27.73		1492.4							
	OBS	1290	05.64	35.18	27.76		1495.2							
	OBS	1300	05.62	35.18	27.76		1495.3							
	OBS	1400	04.55	35.01	27.76		1492.4							
	OBS	1500	04.40	34.99	27.76		1493.4							

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REFID 31 8150	YEAR 1969	BOTOP 04023	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 12	SHIP EN	WET BULB 18.9	15 4 4	WIND-SFD 26	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 28	DATA USE 1	BAROMETR 1016.0	SEA	WIND-FUR	DURATION 00.2	2 SQUARE 48
LONG 048 00 W	HOOR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	CRIG E3E 002	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
12.2	OBS	0000	15.94	36.30	25.75		1523.5							
	OBS	0010	15.95	36.31	25.75		1523.7							
	OBS	0020	15.90	36.31	25.80		1523.7							
	OBS	0030	15.90	36.32	25.81		1523.9							
	OBS	0050	15.91	36.32	25.81		1524.3							
	OBS	0075	15.91	36.32	25.81		1524.7							
	OBS	0100	18.83	36.51	26.24		1522.3							
	OBS	0125	18.08	36.51	26.43		1520.6							
	OBS	0150	17.79	36.49	26.46		1520.1							
	OBS	0200	17.21	36.43	26.56		1519.2							
	OBS	0212	17.06	36.40	26.55		1518.9							
	OBS	0250	17.00	36.43	26.63		1515.4							
	OBS	0300	16.62	36.37	26.62		1519.8							
	OBS	0400	15.42	36.07	26.72		1516.6							
	OBS	0500	13.81	35.82	26.86		1512.8							
	OBS	0600	12.07	35.54	27.01		1508.2							
	OBS	0700	05.83	35.27	27.21		1501.6							
	OBS	0800	08.31	35.21	27.41		1497.5							
	OBS	0809	08.33	35.22	27.42		1497.8							
	OBS	0840	07.82	35.18	27.46		1496.3							
	OBS	0870	07.70	35.20	27.50		1496.4							
	OBS	0900	07.41	35.21	27.55		1495.7							
	OBS	0920	07.30	35.18	27.54		1495.6							
	OBS	0930	06.93	35.16	27.57		1494.3							
	OBS	0972	06.53	35.19	27.65		1493.5							
	OBS	1000	06.58	35.20	27.65		1494.2							
	OBS	1015	06.54	35.19	27.65		1494.2							
	OBS	1030	06.20	35.16	27.67		1493.1							
	OBS	1100	05.86	35.15	27.71		1492.9							
	OBS	1200	05.14	35.07	27.74		1491.5							
	OBS	1300	04.77	35.04	27.75		1491.7							
	OBS	1330	04.90	35.09	27.78		1493.6							
	OBS	1400	04.44	35.08	27.78		1493.7							
	OBS	1500	04.46	35.04	27.75		1493.7							

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TABLE XV.—Continued

REF ID	31	8150	YEAR	1970	BTDP	04755	AIR TEMP	20.6	OIR HGT PER	WIND-OIR	27	INST STO RECORDER	TEN SQ	1206
CONSEC		0003	MONTH	01	SHIP EN		WET BULB	17.2	26 5 3	WIND-SPD	06	TRACE OIR	5	SQUARE 2
LAT	34	50	N	OAY	08	DATA USE	1	BAROMETR	1015.0	SEA		WIND-FOR	00.3	2 SQUARE 46
LONG	047	54	W	HOUR	00.5	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
00.5	OBS	00000	18.99	36.41	26.12		1521.0							
	OBS	00010	19.00	36.42	26.12		1521.2							
	OBS	00020	19.00	36.43	26.13		1521.4							
	OBS	00030	19.01	36.43	26.13		1521.6							
	OBS	00050	19.02	36.43	26.13		1521.9							
	OBS	00075	19.02	36.43	26.13		1522.3							
	OBS	00100	19.02	36.44	26.12		1522.8							
	OBS	00105	19.02	36.44	26.13		1522.8							
	OBS	00125	17.59	36.45	26.50		1519.1							
	OBS	00150	17.25	36.43	26.57		1518.5							
	OBS	00200	17.02	36.43	26.62		1518.6							
	OBS	00250	16.78	36.38	26.64		1518.7							
	OBS	00300	16.20	36.26	26.65		1517.6							
	OBS	00400	14.67	36.02	26.80		1514.8							
	OBS	00500	13.43	35.79	26.93		1511.5							
	OBS	00600	11.60	35.49	27.06		1506.6							
	OBS	00700	09.29	35.25	27.29		1499.6							
	OBS	00800	07.54	35.14	27.47		1494.5							
	OBS	00865	06.64	35.08	27.55		1452.0							
	OBS	00900	06.80	35.21	27.63		1493.4							
	OBS	00940	06.21	35.15	27.66		1491.6							
	OBS	00975	06.39	35.21	27.65		1493.0							
	OBS	01000	05.91	35.14	27.70		1491.4							
	OBS	01020	05.72	35.12	27.70		1491.0							
	OBS	01100	05.55	35.14	27.74		1491.6							
	OBS	01155	05.35	35.13	27.76		1491.7							
	OBS	01200	04.87	35.06	27.76		1490.4							
	OBS	01300	04.52	35.03	27.76		1490.6							
	OBS	01400	04.26	35.00	27.76		1491.2							
	OBS	01500	04.10	34.99	27.75		1492.2							

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REF ID	31	8150	YEAR	1970	BTDP	04572	AIR TEMP	18.9	OIR HGT PER	WIND-OIR	24	INST STO RECORDER	TEN SQ	1206
CONSEC		0004	MONTH	01	SHIP EN		WET BULB	18.3	23 6 5	WIND-SPD	32	TRACE OIR	5	SQUARE 2
LAT	34	55	N	OAY	08	DATA USE	1	BAROMETR	1015.0	SEA		WIND-FOR	00.6	2 SQUARE 46
LONG	047	48	W	HOUR	06.0	AREA	05	CLOUD T/A		CL/TR		WEATHER	X2	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
06.0	OBS	00000	18.95	36.43	26.14		1520.9							
	OBS	00010	18.96	36.43	26.14		1521.1							
	OBS	00020	18.96	36.44	26.15		1521.3							
	OBS	00030	18.96	36.44	26.15		1521.4							
	OBS	00050	18.96	36.44	26.15		1521.8							
	OBS	00075	18.97	36.45	26.15		1522.2							
	OBS	00100	18.97	36.45	26.15		1522.6							
	OBS	00120	18.96	36.45	26.16		1522.9							
	OBS	00125	18.84	36.45	26.15		1522.7							
	OBS	00150	17.39	36.45	26.55		1518.9							
	OBS	00200	17.06	36.44	26.62		1518.7							
	OBS	00250	16.82	36.39	26.64		1518.8							
	OBS	00300	16.27	36.28	26.65		1517.8							
	OBS	00400	14.21	36.00	26.93		1512.7							
	OBS	00500	12.85	35.68	26.97		1509.4							
	OBS	00600	11.22	35.49	27.13		1505.2							
	OBS	00700	09.24	35.25	27.29		1499.5							
	OBS	00800	07.56	35.14	27.47		1494.6							
	OBS	00870	06.86	35.10	27.54		1493.0							
	OBS	00900	06.85	35.15	27.58		1493.5							
	OBS	01000	05.95	35.11	27.67		1491.5							
	OBS	01045	05.69	35.14	27.72		1491.3							
	OBS	01070	05.96	35.19	27.73		1492.8							
	OBS	01100	05.72	35.18	27.75		1492.4							
	OBS	01115	05.79	35.18	27.74		1492.9							
	OBS	01130	05.33	35.10	27.74		1491.2							
	OBS	01158	05.28	35.10	27.74		1491.4							
	OBS	01170	04.99	35.06	27.75		1490.4							
	OBS	01195	04.85	35.05	27.75		1490.2							
	OBS	01200	04.92	35.07	27.76		1490.6							
	OBS	01230	04.74	35.04	27.76		1490.4							
	OBS	01260	04.85	35.06	27.76		1491.3							
	OBS	01275	05.15	35.12	27.77		1492.9							
	OBS	01300	04.68	35.05	27.77		1491.3							
	OBS	01315	04.92	35.09	27.78		1492.6							
	OBS	01330	04.57	35.04	27.78		1491.3							
	OBS	01355	04.42	35.02	27.78		1491.1							
	OBS	01375	04.65	35.05	27.78		1492.4							
	OBS	01400	04.38	35.01	27.77		1491.7							
	OBS	01490	04.17	34.99	27.78		1492.3							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 EOTOP 04572 AIR TEMP 19.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 01 SHIP EN WET BULB 13.5 25 5 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 09 DATA USE 1 BAROMETR 1011.0 SEA WIND-FLR DURATION 00.4 2 SQUARE 46  
 LONG 047 30 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E36 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.0	CBS	00000	18.43	36.43	26.28		1519.4							
	DBS	00010	18.43	36.43	26.26		1519.6							
	DBS	00020	18.43	36.44	26.28		1519.8							
	DBS	00030	18.43	36.43	26.26		1519.9							
	DBS	00050	16.45	36.44	26.2E		1520.3							
	DBS	00075	18.46	36.44	26.2E		1520.8							
	DBS	00100	18.47	36.48	26.30		1521.3							
	DBS	00125	17.79	36.53	26.51		1519.8							
	DBS	00150	17.23	36.49	26.62		1518.5							
	DBS	00200	17.02	36.48	26.6E		1518.7							
	DBS	00250	16.82	36.43	26.67		1518.8							
	DBS	00300	16.30	36.33	26.72		1518.0							
	DBS	00400	14.45	35.96	26.85		1513.4							
	DBS	00500	13.14	35.72	26.94		1510.4							
	DBS	00600	11.00	35.39	27.10		1504.3							
	DBS	00700	09.98	35.30	27.21		1502.2							
	DBS	00790	07.83	35.20	27.4E		1455.5							
	DBS	00800	07.90	35.24	27.5C		1496.0							
	DBS	00880	06.71	35.15	27.60		1452.6							
	DBS	00900	06.80	35.24	27.65		1453.6							
	DBS	01000	05.98	35.15	27.65		1491.7							
	DBS	01100	05.71	35.15	27.75		1492.3							
	DBS	01130	05.89	35.19	27.74		1493.6							
	DBS	01200	05.37	35.12	27.75		1492.5							
	DBS	01240	05.32	35.12	27.75		1493.0							
	DBS	01270	05.45	35.16	27.77		1454.1							
	DBS	01300	05.44	35.16	27.77		1494.4							
	DBS	01400	05.09	35.13	27.75		1494.6							
	DBS	01500	04.81	35.10	27.80		1495.3							

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REFID 31 8150 YEAR 1970 BOTOP 04480 AIR TEMP 20.0 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 01 SHIP EN WET BULB 19.4 25 5 3 WIND-SPD 30 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 09 DATA USE 1 BAROMETR 1008.0 SEA WIND-FLR DURATION 00.4 2 SQUARE 46  
 LONG 047 35 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E36 006 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
16.0	DBS	00000	19.02	36.41	26.11		1521.1							
	DBS	00010	18.98	36.41	26.12		1521.1							
	DBS	00020	18.97	36.41	26.12		1521.3							
	DBS	00030	18.97	36.42	26.13		1521.4							
	DBS	00050	18.96	36.42	26.13		1521.7							
	DBS	00075	18.87	36.43	26.16		1521.9							
	DBS	00100	18.65	36.42	26.21		1521.7							
	DBS	00125	17.42	36.44	26.53		1518.6							
	DBS	00150	17.15	36.42	26.5E		1518.2							
	DBS	00175	16.98	36.42	26.63		1518.1							
	DBS	00200	16.90	36.42	26.64		1518.2							
	DBS	00250	16.47	36.29	26.65		1517.6							
	DBS	00300	15.84	36.20	26.72		1516.4							
	DBS	00400	14.39	35.93	26.84		1513.1							
	DBS	00500	12.71	35.64	26.96		1508.9							
	DBS	00600	10.84	35.34	27.05		1503.7							
	DBS	00700	08.91	35.21	27.32		1498.1							
	DBS	00740	08.24	35.19	27.41		1456.3							
	DBS	00752	08.25	35.21	27.42		1456.5							
	DBS	00800	07.59	35.15	27.47		1494.7							
	DBS	00820	07.21	35.16	27.54		1493.6							
	DBS	00850	07.43	35.22	27.55		1495.0							
	DBS	00880	07.23	35.23	27.55		1454.7							
	DBS	00900	06.67	35.18	27.60		1453.6							
	DBS	00980	06.04	35.13	27.67		1451.3							
	DBS	00985	06.02	35.15	27.64		1491.6							
	DBS	01000	05.87	35.13	27.65		1451.2							
	DBS	01100	05.22	35.06	27.72		1490.2							
	DBS	01125	05.25	35.06	27.71		1450.7							
	DBS	01140	05.12	35.06	27.73		1490.4							
	DBS	01190	05.16	35.07	27.75		1491.4							
	DBS	01200	04.95	35.02	27.72		1490.7							
	DBS	01220	04.76	35.02	27.74		1490.2							
	DBS	01285	04.62	35.01	27.75		1490.7							
	DBS	01300	04.68	35.06	27.7E		1491.3							
	DBS	01320	04.88	35.09	27.7R		1492.5							
	DBS	01400	04.77	35.04	27.75		1493.4							
	DBS	01440	04.64	35.07	27.75		1453.5							
	DBS	01500	04.64	35.07	27.79		1494.5							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTOP 04938 AIR TEMP 19.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 01 SHIP EN WET BULB 19.4 24 5 3 WIND-SPO 25 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 10 DATA USE 1 BAROMETR 1008.0 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 00.1 AREA 05 CLOUD 1/A CL/TR WEATHER X1 ORIG E36 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
00.1	DBS	00000	18.85	36.44	26.18		1520.6							
	DBS	00010	18.82	36.45	26.19		1520.7							
	DBS	00020	18.82	36.45	26.19		1520.9							
	DBS	00030	18.82	36.46	26.20		1521.1							
	DBS	00050	18.81	36.46	26.20		1521.4							
	DBS	00075	18.75	36.45	26.21		1521.6							
	DBS	00100	18.53	36.42	26.24		1521.4							
	DBS	00125	18.43	36.46	26.30		1521.5							
	DBS	00130	18.48	36.47	26.29		1521.8							
	DBS	00150	17.74	36.51	26.51		1520.0							
	DBS	00200	17.17	36.43	26.59		1519.1							
	DBS	00250	16.92	36.41	26.63		1519.1							
	DBS	00300	16.75	36.35	26.63		1519.4							
	DBS	00400	15.22	36.04	26.74		1515.9							
	DBS	00500	13.79	35.84	26.90		1512.7							
	DBS	00600	11.51	35.49	27.08		1506.2							
	DBS	00700	09.49	35.30	27.29		1500.4							
	DBS	00720	09.51	35.31	27.30		1500.8							
	DBS	00800	07.83	35.17	27.45		1495.7							
	DBS	00820	07.85	35.20	27.47		1496.1							
	DBS	00830	07.62	35.18	27.49		1495.4							
	DBS	00855	07.66	35.22	27.52		1496.0							
	DBS	00900	07.17	35.20	27.57		1494.8							
	DBS	01000	06.07	35.09	27.64		1492.0							
	DBS	01070	05.39	35.04	27.68		1490.3							
	DBS	01100	05.68	35.14	27.72		1492.1							
	DBS	01120	05.88	35.17	27.72		1493.3							
	DBS	01168	05.83	35.19	27.75		1494.0							
	DBS	01200	05.61	35.17	27.76		1493.6							
	DBS	01300	05.17	35.12	27.77		1493.4							
	DBS	01400	04.93	35.09	27.76		1494.1							
	DBS	01459	04.34	35.00	27.77		1492.5							
	DBS	01490	04.44	35.03	27.78		1493.5							

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REFID 31 8150 YEAR 1970 BOTOP 03603 AIR TEMP 18.9 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 01 SHIP EN WET BULB 18.6 25 5 3 WIND-SPO 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 10 DATA USE 1 BAROMETR 1008.0 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 08 W HOUR 06.2 AREA 05 CLOUD 1/A CL/TR WEATHER X2 ORIG E36 008 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	DBS	00000	18.84	36.42	26.16		1520.6							
	DBS	00010	18.84	36.43	26.17		1520.8							
	DBS	00020	18.84	36.43	26.17		1520.9							
	DBS	00030	18.84	36.43	26.17		1521.1							
	DBS	00050	18.82	36.44	26.18		1521.4							
	DBS	00075	18.76	36.44	26.20		1521.6							
	DBS	00100	18.52	36.39	26.22		1521.3							
	DBS	00125	18.24	36.46	26.35		1521.0							
	DBS	00150	17.44	36.47	26.55		1519.1							
	DBS	00175	17.18	36.45	26.60		1518.7							
	DBS	00200	17.10	36.44	26.61		1518.9							
	DBS	00250	16.97	36.43	26.64		1519.3							
	DBS	00300	16.71	36.39	26.67		1519.3							
	DBS	00400	15.40	36.09	26.74		1515.5							
	DBS	00500	13.50	35.81	26.94		1511.7							
	DBS	00600	11.41	35.49	27.10		1505.9							
	DBS	00700	09.39	35.31	27.32		1500.1							
	DBS	00775	08.16	35.11	27.43		1496.6							
	DBS	00800	08.20	35.24	27.49		1497.2							
	DBS	00820	07.91	35.23	27.49		1496.4							
	DBS	00838	07.90	35.24	27.50		1496.6							
	DBS	00850	07.52	35.20	27.52		1495.3							
	DBS	00900	07.29	35.24	27.59		1495.3							
	DBS	01000	05.73	35.11	27.69		1490.6							
	DBS	01070	05.39	35.10	27.73		1490.4							
	DBS	01090	05.45	35.12	27.74		1491.0							
	DBS	01100	05.29	35.11	27.75		1490.5							
	DBS	01140	05.20	35.10	27.75		1490.8							
	DBS	01200	04.70	35.05	27.77		1489.7							
	DBS	01300	04.80	35.11	27.81		1491.9							
	DBS	01308	04.82	35.13	27.82		1492.1							
	DBS	01350	04.30	35.05	27.82		1490.6							
	DBS	01400	04.17	35.02	27.81		1490.8							
	DBS	01500	04.07	35.01	27.81		1492.1							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BOTDP 04938 AIR TEMP 18.3 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 01 SHIP EN WET BULB 17.2 26 6 3 WIND-SPD 18 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 13 DATA USE 1 BARCHMETR 1010.0 SEA WIND-FUR DURATION 00.7 2 SQUARE 46  
 LONG 047 56 W HGUR 12.3 AREA G5 CLOUD T/A CL/TP WEATHER X2 DRIG E36 009 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
12.3	085	00000	18.90	36.38	26.12		1520.7							
	085	00010	18.90	36.39	26.13		1520.9							
	085	00020	18.90	36.40	26.13		1521.1							
	085	00030	18.90	36.40	26.13		1521.2							
	085	00050	18.90	36.41	26.14		1521.6							
	085	00075	18.89	36.43	26.16		1522.0							
	085	00100	18.88	36.43	26.16		1522.4							
	085	00125	18.75	36.42	26.16		1522.4							
	085	00150	17.26	36.37	26.52		1513.4							
	085	00200	16.59	36.35	26.66		1517.2							
	085	00250	15.68	36.23	26.72		1516.0							
	085	00300	15.30	36.10	26.77		1514.6							
	085	00400	13.94	35.87	26.89		1511.6							
	085	00500	12.39	35.58	26.98		1507.7							
	085	00600	10.57	35.37	27.16		1502.8							
	085	00700	08.55	35.22	27.38		1496.8							
	085	00800	07.71	35.22	27.51		1495.5							
	085	00820	07.45	35.26	27.58		1494.6							
	085	00880	06.29	35.13	27.64		1490.5							
	085	00900	06.39	35.17	27.66		1491.7							
	085	00909	06.40	35.17	27.66		1491.9							
	085	00945	05.95	35.13	27.68		1490.0							
	085	00980	05.91	35.15	27.70		1491.1							
	085	01000	06.02	35.19	27.72		1491.9							
	085	01005	06.03	35.19	27.72		1492.0							
	085	01090	05.25	35.09	27.74		1490.2							
	085	01100	05.34	35.12	27.75		1490.7							
	085	01112	05.14	35.09	27.75		1490.1							
	085	01190	04.83	35.07	27.77		1490.1							
	085	01200	04.83	35.07	27.77		1490.3							
	085	01230	04.84	35.07	27.77		1490.6							
	085	01265	05.13	35.16	27.81		1492.7							
	085	01300	05.01	35.14	27.81		1492.8							
	085	01365	04.72	35.11	27.82		1492.6							
	085	01400	04.70	35.11	27.82		1493.1							
	085	01490	04.39	35.06	27.81		1493.3							

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REFID 31 8150 YEAR 1970 BOTDP 04892 AIR TEMP 17.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 01 SHIP EN WET BULB 17.2 22 6 3 WIND-SPD 24 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 10 DATA USE 1 BARCHMETR 1008.0 SEA WIND-FUR DURATION 00.5 2 SQUARE 46  
 LONG 047 30 W HGUR 18.2 AREA G5 CLOUD T/A CL/TP WEATHER X2 DRIG E36 010 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
18.2	085	00000	18.97	36.37	26.06		1520.9							
	085	00010	18.97	36.37	26.06		1521.1							
	085	00020	18.97	36.37	26.06		1521.2							
	085	00030	18.97	36.38	26.10		1521.4							
	085	00050	18.97	36.38	26.10		1521.7							
	085	00075	18.93	36.38	26.11		1522.0							
	085	00100	18.77	36.38	26.15		1522.0							
	085	00125	17.27	36.40	26.54		1518.1							
	085	00150	16.92	36.39	26.62		1517.4							
	085	00200	16.57	36.35	26.67		1517.2							
	085	00250	16.12	36.24	26.69		1516.3							
	085	00300	15.42	36.09	26.74		1515.0							
	085	00400	13.63	35.81	26.91		1510.5							
	085	00500	12.23	35.60	27.03		1507.2							
	085	00600	10.20	35.32	27.15		1501.4							
	085	00700	08.42	35.20	27.35		1496.3							
	085	00730	08.08	35.20	27.44		1495.5							
	085	00745	08.06	35.22	27.45		1495.6							
	085	00775	07.42	35.19	27.53		1493.7							
	085	00795	07.42	35.19	27.53		1494.0							
	085	00800	07.64	35.27	27.56		1495.1							
	085	00815	07.62	35.26	27.55		1495.2							
	085	00840	07.03	35.18	27.58		1493.2							
	085	00860	06.83	35.17	27.60		1492.8							
	085	00875	06.82	35.17	27.60		1493.0							
	085	00900	06.34	35.12	27.62		1491.4							
	085	00940	06.10	35.12	27.66		1491.1							
	085	00960	06.14	35.14	27.67		1491.7							
	085	01000	05.76	35.10	27.66		1490.8							
	085	01100	05.18	35.08	27.74		1490.0							
	085	01140	05.11	35.08	27.75		1490.4							
	085	01165	05.11	35.10	27.76		1490.7							
	085	01200	05.29	35.15	27.78		1492.3							
	085	01225	05.37	35.16	27.78		1493.0							
	085	01300	05.05	35.13	27.75		1492.4							
	085	01400	04.77	35.11	27.81		1493.4							
	085	01500	04.51	35.07	27.81		1494.0							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BUTOP 04892 AIR TEMP 15.0 DIR HGT PER WIND-DIR 19 INST STO RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 01 SHIP EN WET BULB 15.6 18 4 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 11 DATA USE 1 BAROMETR 106.0 SEA WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRG E36 011 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	18.52	36.28	26.14		1519.5							
	OBS	00010	18.53	36.28	26.14		1519.7							
	OBS	00020	18.54	36.29	26.14		1519.5							
	OBS	00030	18.54	36.30	26.15		1520.1							
	OBS	00050	18.54	36.30	26.15		1520.4							
	OBS	00075	18.30	36.30	26.11		1520.1							
	OBS	00100	18.23	36.32	26.14		1520.4							
	OBS	00125	17.88	36.30	26.17		1520.0							
	OBS	00150	17.73	36.47	26.48		1519.9							
	OBS	00200	17.63	36.44	26.48		1520.4							
	OBS	00250	17.04	36.40	26.60		1519.5							
	OBS	00300	16.95	36.39	26.61		1520.0							
	OBS	00400	15.67	36.28	26.84		1518.0							
	OBS	00500	13.84	35.78	26.84		1518.0							
	OBS	00600	11.59	35.45	27.07		1506.7							
	OBS	00610	11.60	35.49	27.06		1506.7							
	OBS	00700	09.79	35.25	27.25		1501.4							
	OBS	00800	07.86	35.14	27.42		1495.8							
	OBS	00835	07.64	35.15	27.47		1495.5							
	OBS	00850	07.81	35.24	27.51		1496.5							
	OBS	00900	07.41	35.22	27.55		1495.8							
	OBS	00950	06.54	35.16	27.63		1493.1							
	OBS	01000	06.08	35.13	27.67		1492.1							
	OBS	01100	05.76	35.15	27.72		1492.5							
	OBS	01200	05.56	35.17	27.76		1493.4							
	OBS	01300	05.07	35.11	27.78		1493.0							
	OBS	01400	04.74	35.26	27.77		1493.2							
	OBS	01440	04.60	35.25	27.78		1493.3							
	OBS	01460	04.77	35.09	27.75		1494.4							
	OBS	01500	04.66	35.08	27.80		1494.0							

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REFID 31 8150 YEAR 1970 BUTOP 05029 AIR TEMP 16.7 DIR HGT PER WIND-DIR 26 INST STO RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 01 SHIP EN WET BULB 13.3 28 4 5 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 18 DATA USE 1 BAROMETR 1015.0 SEA WIND-FDR DURATION 00.6 2 SQUARE 48  
 LONG 048 23 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRG E36 012 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	18.23	36.42	26.32		1518.9							
	OBS	00010	18.22	36.41	26.31		1519.0							
	OBS	00020	18.21	36.41	26.32		1519.1							
	OBS	00030	18.23	36.42	26.32		1519.3							
	OBS	00050	18.23	36.42	26.32		1519.7							
	OBS	00075	18.23	36.42	26.32		1520.1							
	OBS	00100	18.23	36.43	26.33		1520.5							
	OBS	00125	18.24	36.43	26.32		1520.9							
	OBS	00150	18.24	36.44	26.33		1521.4							
	OBS	00170	18.22	36.46	26.35		1521.7							
	OBS	00185	17.91	36.53	26.48		1521.1							
	OBS	00200	17.74	36.51	26.51		1520.8							
	OBS	00250	17.40	36.47	26.56		1520.6							
	OBS	00300	16.96	36.41	26.62		1520.1							
	OBS	00340	16.93	36.41	26.63		1520.6							
	OBS	00400	16.09	36.23	26.69		1518.9							
	OBS	00500	14.92	36.00	26.78		1516.6							
	OBS	00600	12.91	35.70	26.97		1511.3							
	OBS	00700	11.05	35.44	27.13		1506.2							
	OBS	00800	08.93	35.20	27.31		1499.9							
	OBS	00810	08.94	35.22	27.32		1500.1							
	OBS	00900	07.08	35.07	27.48		1494.3							
	OBS	01000	06.02	35.04	27.60		1491.7							
	OBS	01100	05.37	35.04	27.68		1490.8							
	OBS	01200	04.87	35.03	27.74		1490.4							
	OBS	01300	04.60	35.01	27.75		1490.9							
	OBS	01400	04.40	35.00	27.76		1491.7							
	OBS	01500	04.23	34.99	27.78		1492.7							

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TABLE XV.—Continued

REFID 31 8150 YEAR 1970 BGTOP 04203 AIR TEMP 18.9 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 01 SHIP EN WET BULB 15.6 DIR HGT PER WIND-SPD 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 18 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 48 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E36 013 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	18.25	36.40	26.30		1518.9							
	OBS	00010	18.25	36.40	26.30		1519.1							
	OBS	00020	18.25	36.40	26.30		1519.2							
	OBS	00030	18.24	36.40	26.30		1519.4							
	OBS	00050	18.24	36.41	26.31		1519.7							
	OBS	00075	18.24	36.41	26.31		1520.1							
	OBS	00100	18.24	36.41	26.31		1520.5							
	OBS	00125	18.24	36.42	26.32		1520.9							
	OBS	00150	18.24	36.42	26.32		1521.3							
	OBS	00175	18.21	36.49	26.38		1521.8							
	OBS	00185	18.13	36.50	26.41		1521.7							
	OBS	00200	17.67	36.46	26.45		1520.6							
	OBS	00250	17.11	36.41	26.59		1519.7							
	OBS	00300	16.94	36.41	26.63		1520.0							
	OBS	00400	15.57	36.21	26.70		1518.5							
	OBS	00500	14.48	35.94	26.83		1515.1							
	OBS	00600	12.61	35.64	26.98		1510.2							
	OBS	00700	10.82	35.42	27.15		1505.4							
	OBS	00800	08.53	35.16	27.34		1498.3							
	OBS	00900	6.80	35.08	27.53		1493.2							
	OBS	01000	05.72	35.02	27.62		1490.5							
	OBS	01100	05.33	35.05	27.70		1490.6							
	OBS	01200	04.87	35.03	27.74		1490.4							
	OBS	01300	04.62	35.02	27.76		1491.0							
	OBS	01400	04.40	35.00	27.76		1491.7							
	OBS	01410	04.31	34.99	27.77		1491.5							
	OBS	01500	04.16	34.98	27.77		1492.4							

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REFID 31 8150 YEAR 1970 BGTOP 03840 AIR TEMP 17.8 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 01 SHIP EN WET BULB 14.4 DIR HGT PER WIND-SPD 25 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1014.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 049 17 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E36 014 1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
00.1	OBS	00000	18.14	36.40	26.33		1518.6							
	OBS	00010	18.15	36.41	26.33		1518.8							
	OBS	00020	18.13	36.41	26.34		1518.9							
	OBS	00030	18.15	36.42	26.34		1519.1							
	OBS	00050	18.14	36.42	26.34		1519.4							
	OBS	00075	18.15	36.42	26.34		1519.9							
	OBS	00100	18.16	36.43	26.34		1520.3							
	OBS	00125	18.16	36.43	26.34		1520.7							
	OBS	00150	18.14	36.43	26.35		1521.1							
	OBS	00200	18.13	36.45	26.37		1521.9							
	OBS	00225	17.74	36.49	26.49		1521.2							
	OBS	00250	17.53	36.47	26.53		1521.0							
	OBS	00300	17.22	36.44	26.58		1520.9							
	OBS	00335	17.02	36.43	26.62		1520.8							
	OBS	00400	16.75	36.36	26.63		1521.0							
	OBS	00500	15.07	36.03	26.77		1517.1							
	OBS	00600	13.60	35.79	26.90		1513.7							
	OBS	00700	11.48	35.44	27.05		1507.7							
	OBS	00800	09.45	35.30	27.30		1501.9							
	OBS	00900	07.75	35.19	27.48		1497.0							
	OBS	01000	06.74	35.16	27.60		1494.7							
	OBS	01055	06.21	35.16	27.67		1493.5							
	OBS	01065	05.94	35.12	27.68		1492.6							
	OBS	01100	05.88	35.14	27.70		1493.0							
	OBS	01200	05.38	35.11	27.74		1492.6							
	OBS	01300	04.95	35.08	27.77		1492.4							
	OBS	01400	04.49	35.04	27.79		1492.2							
	OBS	01500	04.28	35.01	27.79		1492.9							

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TABLE XVI.—Observed and interpolated oceanographic data for stations taken by USCGC GALLATIN at Ocean Station ECHO, 20 January 1970 - 10 February 1970, prepared from NODC listing No. 31 - 1588.

REFID 31 1588 YEAR 1970 BOTOP 03519 AIR TEMP 15.7 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 01 SHIP 3L WET BULB 12.4 28 6 5 #WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 49 N DAY 20 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E37 001 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	17.30	36.318	26.47		1516.0							
12.0	08S	00028	17.24	36.320	26.49		1516.3							
12.0	08S	00054	17.25	36.322	26.49		1516.8							
12.0	08S	00082	17.27	36.332	26.49		1517.3							
12.0	08S	00109	17.28	36.335	26.49		1517.8							
12.0	08S	00163	17.24	36.332	26.50		1518.5							
12.0	08S	00218	17.26	36.334	26.49		1519.5							
12.0	08S	00327	16.44	36.281	26.65		1510.8							
12.0	08S	T00435	13.82	35.844	26.89		1511.8							
12.0	08S	00545	12.24	35.599	27.03		1508.0							
12.0	08S	00653		35.365										
12.0	08S	00872	06.19	35.007	27.55		1490.2							
12.0	08S	T01090	05.52	35.119	27.73		1491.3							
12.0	08S	T01640	04.10	35.024	27.82		1494.6							

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REFID 31 1588 YEAR 1970 BOTOP 03658 AIR TEMP 17.4 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 01 SHIP 3L WET BULB 17.4 06 6 4 WIND-SPD 30 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 21 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 11.8 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG E37 002 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.8	08S	00000	17.63	36.418	26.47		1517.2							
11.8	08S	00027	17.66	36.421	26.46		1517.7							
11.8	08S	00054	17.67	36.430	26.47		1518.1							
11.8	08S	00081	17.69	36.426	26.46		1518.6							
11.8	08S	00108	17.68	36.424	26.46		1519.0							
11.8	08S	00162	17.70	36.422	26.45		1520.0							
11.8	08S	00217	17.70	36.423	26.45		1520.9							
11.8	08S	00324	17.48	36.417	26.50		1522.0							
11.8	08S	T00430	15.05	36.039	26.78		1515.9							
11.8	08S	00537	13.08	35.615	26.87		1510.7							
11.8	08S	00642		35.378										
11.8	08S	00855	07.73	35.196	27.49		1496.2							
11.8	08S	01067	05.40	35.036	27.68		1490.3							
11.8	08S	T01608	04.14	35.022	27.81		1494.2							

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REFID 31 1588 YEAR 1970 BOTOP 04810 AIR TEMP 16.1 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 01 SHIP 3L WET BULB 12.6 27 3 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 44.5N DAY 24 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01.5W HOUR 11.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X8 ORIG E37 003 1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.6	08S	00000	17.52	36.394	26.47		1516.8							
11.6	08S	00025	17.55	36.407	26.48		1517.3							
11.6	08S	00051	17.54	36.392	26.47		1517.7							
11.6	08S	00076	17.53	36.393	26.47		1518.0							
11.6	08S	00101	17.56	36.397	26.47		1518.5							
11.6	08S	00152	17.52	36.390	26.47		1519.3							
11.6	08S	00203	17.52	36.392	26.47		1520.1							
11.6	08S	00305	17.50	36.371	26.46		1521.7							
11.6	08S	T00408	15.29	36.072	26.75		1516.3							
11.6	08S	00510	14.12	35.881	26.86		1514.0							
11.6	08S	00609		35.510										
11.6	08S	00812	08.17	35.024	27.29		1497.0							
11.6	08S	01015	06.00	35.127	27.67		1492.0							
11.6	08S	T01518	04.22	35.127	27.89		1493.2							

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TABLE XVI.—Continued

REFID 31 1588 YEAR 1970 BOTDP 04755 AIR TEMP 14.2 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 01 SHIP 31 WET BULB 10.0 34 7 4 WIND-SPD 23 TRACE DIR 5 SQUARE 2  
 LAT 33 35 N DAY 30 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 046 54 W HOUR 11.8 AREA 05 CLOUD T/A 8/4 CL/TP WEATHER X1 DRIG E37 004 1 SQUARE 36

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TDT P	NO2	NO3	S103	PH
11.8	DBS	00000	17.84	36.431	26.42		1517.7							
11.8	DBS	00025	17.89	36.432	26.41		1518.3							
11.8	DBS	00050	17.89	36.426	26.41		1518.7							
11.8	DBS	00075	17.85	36.430	26.42		1519.0							
11.8	DBS	00099	17.91	36.434	26.41		1519.6							
11.8	DBS	00148	17.88	36.432	26.42		1520.3							
11.8	DBS	00198	17.82	36.438	26.43		1520.9							
11.8	DBS	00296	17.37	36.440	26.55		1521.2							
11.8	DBS	T00390	15.98	36.197	26.69		1518.3							
11.8	DBS	00492	14.54	35.932	26.81		1515.1							
11.8	DBS	00586		35.597										
11.8	DBS	00782	08.64	35.208	27.36		1498.5							
11.8	DBS	T00979	06.45	35.137	27.62		1493.2							
11.8	DBS	T01476	04.86	35.170	27.85		1495.1							

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REFID 31 1588 YEAR 1970 BOTDP 04709 AIR TEMP 17.0 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 01 SHIP 31 WET BULB 13.2 36 5 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 31 DATA USE 1 BAROMETR 1025.5 SEA WIND-FJR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 11.5 AREA 05 CLOUD T/A 6/B CL/TP WEATHER X2 ORIG E37 005 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TDT P	NO2	NO3	S103	PH
11.5	DBS	00000	16.95	36.314	26.55		1515.0							
11.5	DBS	00025	16.95	36.313	26.55		1515.4							
11.5	DBS	00051	16.96	36.312	26.55		1515.9							
11.5	DBS	00076	16.98	36.311	26.54		1516.3							
11.5	DBS	00100		36.314										
11.5	DBS	00150	16.99	36.310	26.54		1517.6							
11.5	DBS	00199	16.98	36.309	26.54		1518.3							
11.5	DBS	00299	16.98	36.309	26.54		1520.0							
11.5	DBS	T00403	14.59	35.980	26.83		1513.9							
11.5	DBS	00501	13.36	35.789	26.95		1511.3							
11.5	DBS	00600	11.47	35.473	27.08		1506.1							
11.5	DBS	00803	07.24	35.094	27.48		1493.3							
11.5	DBS	01005	05.60	35.076	27.68		1490.2							
11.5	DBS	T01510	04.04	35.008	27.81		1492.1							

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REFID 31 1588 YEAR 1970 BOTDP 04938 AIR TEMP 11.1 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP 31 WET BULB 06.7 36 3 4 WIND-SPD 19 TRACE DIR 5 SQUARE 4  
 LAT 36 10 N DAY 02 DATA USE 1 BAROMETR 1031.0 SEA WIND-FOR DURATION 2 SQUARE 68  
 LONG 049 38 W HOUR 11.5 AREA 05 CLOUD T/A 6/4 CL/TP WEATHER X1 DRIG E37 006 1 SQUARE 69

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TDT P	NO2	NO3	S103	PH
11.5	DBS	00000	17.47	36.456	26.53		1516.7							
11.5	DBS	00023	17.50	36.458	26.53		1517.2							
11.5	DBS	00047	17.51	36.452	26.52		1517.6							
11.5	DBS	00071	17.53	36.455	26.52		1518.0							
11.5	DBS	00094	17.52	36.452	26.52		1518.4							
11.5	DBS	00142	17.49	36.454	26.53		1519.1							
11.5	DBS	00189	17.52	36.452	26.52		1519.9							
11.5	DBS	00283		36.450										
11.5	DBS	T00374	17.05	36.399	26.55		1521.5							
11.5	DBS	00475	16.42	36.270	26.64		1521.1							
11.5	DBS	00568	14.86	35.795	26.63		1517.2							
11.5	DBS	00760	11.02	35.392	27.10		1507.0							
11.5	DBS	T00954	06.89	35.066	27.51		1494.4							
11.5	DBS	T01447	04.43	35.012	27.77		1492.7							

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REFID 31 1588 YEAR 1970 BOTDP 04023 AIR TEMP 15.1 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 02 SHIP 31 WET BULB 11.1 04 4 3 WIND-SPD 29 TRACE DIR 5 SQUARE 2  
 LAT 34 40 N DAY 03 DATA USE 1 BAROMETR 1031.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 27.5W HOUR 13.3 AREA 05 CLOUD T/A 8/5 CL/TP WEATHER X1 DRIG E37 007 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TDT P	NO2	NO3	S103	PH
13.3	DBS	00000	17.65	36.422	26.46		1517.2							
13.3	DBS	00025		36.422										
13.3	DBS	00050	17.69	36.420	26.45		1518.1							
13.3	DBS	00074	17.70	36.419	26.45		1518.5							
13.3	DBS	00098	17.69	36.421	26.45		1518.9							
13.3	DBS	00146	17.67	36.418	26.46		1519.6							
13.3	DBS	T00195	17.37	36.419	26.53		1519.6							
13.3	DBS	00287	16.96	36.388	26.61		1519.8							
13.3	DBS	00377	16.26	36.235	26.65		1519.0							
13.3	DBS	00466	14.83	35.989	26.79		1515.7							
13.3	DBS	00547	13.40	35.756	26.91		1512.1							
13.3	DBS	00706	09.39	35.259	27.28		1500.1							
13.3	DBS	T00855	07.12	35.093	27.50		1493.7							
13.3	DBS	T01216	04.78	35.047	27.76		1490.3							

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TABLE XVI.—Continued

REFID 31 1588 YEAR 1970 BOTDP 04572 AIR TEMP 17.6 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 02 SHIP 3L WET BULB 14.9 12 5 5 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 49 N DAY 06 DATA USE 1 BAROMETR 1030.8 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 12.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E37 008 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	17.57	36.445	26.50		1517.0							
12.1	085	00027	17.62	36.446	26.49		1517.6							
12.1	085	00053	17.60	36.441	26.45		1517.9							
12.1	085	00080	17.58	36.452	26.50		1518.3							
12.1	085	00106	17.61	36.450	26.50		1516.8							
12.1	085	00158	17.55	36.438	26.50		1519.5							
12.1	085	00211	17.57	36.442	26.50		1520.4							
12.1	085	00316	17.54	36.394	26.47		1522.0							
12.1	085	T00419	15.66	36.096	26.69		1517.7							
12.1	085	00524	13.25	35.705	26.91		1511.2							
12.1	085	T00626	11.16	35.435	27.10		1505.4							
12.1	085	00833	07.45	35.114	27.46		1494.7							
12.1	085	T01039	05.67	35.094	27.69		1491.0							
12.1	085	T01557	04.17	35.010	27.80		1493.4							

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REFID 31 1588 YEAR 1970 BOTDP 04572 AIR TEMP 17.0 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 02 SHIP 3L WET BULB 14.2 12 3 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 07 DATA USE 1 BAROMETR 1027.6 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 11.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X2 ORIG E37 009 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
11.6	085	00000	17.30	36.402	26.53		1516.1							
11.6	085	00024	17.33	36.402	26.53		1516.6							
11.6	085	00050	17.33	36.403	26.53		1517.0							
11.6	085	00075	17.31	36.401	26.53		1517.4							
11.6	085	00099	17.34	36.402	26.52		1517.9							
11.6	085	00144	17.31	36.401	26.53		1518.6							
11.6	085	00199	17.34	36.400	26.52		1519.5							
11.6	085	00298	17.01	36.384	26.55		1520.1							
11.6	085	00395	15.66	36.131	26.71		1517.3							
11.6	085	00495	14.02	35.872	26.87		1513.4							
11.6	085	00589	11.94	35.554	27.05		1507.6							
11.6	085	00783	07.73	35.108	27.42		1494.9							
11.6	085	T00976	06.09	35.104	27.64		1491.7							
11.6	085	T01456	04.21	35.022	27.80		1491.9							

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REFID 31 1588 YEAR 1970 BOTDP 04297 AIR TEMP 17.2 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 02 SHIP 3L WET BULB 15.8 15 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 08 DATA USE 1 BAROMETR 1025.7 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 53 W HOUR 11.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E37 010 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
11.6	085	00000	17.50	36.438	26.51		1516.8							
11.6	085	00024	17.56	36.435	26.50		1517.3							
11.6	085	00049	17.53	36.433	26.50		1517.6							
11.6	085	00073	17.54	36.434	26.50		1518.1							
11.6	085	00097	17.56	36.439	26.50		1516.5							
11.6	085	00146	17.54	36.434	26.50		1519.3							
11.6	085	T00195	17.57	36.433	26.45		1520.2							
11.6	085	00293	17.07	36.396	26.59		1520.2							
11.6	085	T00369	16.67	36.320	26.62		1520.5							
11.6	085	00489	15.23	36.037	26.74		1517.4							
11.6	085	00584	12.00	35.526	27.02		1507.7							
11.6	085	00776	08.75	35.205	27.34		1498.8							
11.6	085	00973	06.23	35.070	27.60		1492.1							
11.6	085	T01458	04.45	35.047	27.80		1493.0							
13.3	085	T01953	03.74	34.970	27.81		1496.3							
13.3	085	T02443	03.28	34.957	27.85		1504.7							
13.3	085	02944	02.84	34.933	27.87		1511.4							
13.3	085	03451	02.45	34.916	27.89		1518.5							
13.3	085	03958	02.26	34.896	27.89		1526.6							
13.3	085	04196	02.24	34.892	27.65		1530.7							
13.3	085	T04295	02.23	34.924	27.91		1532.5							

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TABLE XVI.—Continued

REFID 31 1588	YEAR 1970	BDTOP 04389	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 17	INST NANSEN CAST	TEN SQ 1206
CONSEC 0011	MONTH 02	SHIP 3L	WET BULB 17.0	17 4 3	WIND-SPD 24	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 09	DATA USE 1	BAROMETR 1020.8	SEA	WIND-FUR	CURATION	2 SQUARE 48
LONG 048 00 W	HRUR 12.1	AREA 05	CLOUD T/A 7/8	CL/TR	WEATHER X6	ORIG E37 011	1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
12.1	085	00000	17.56	36.414	26.48		1516.9							
12.1	085	00021	17.62	36.412	26.46		1517.4							
12.1	085	00042	17.57	36.423	26.48		1517.6							
12.1	085	00064	17.56	36.427	26.49		1518.0							
12.1	085	00083	17.56	36.437	26.50		1518.3							
12.1	085	00126	17.55	36.437	26.50		1519.0							
12.1	085	00168	17.57	36.445	26.50		1519.7							
12.1	085	00255	17.38	36.421	26.53		1520.6							
12.1	085	T00341	16.94	36.368	26.60		1520.6							
12.1	085	00428	15.89	36.170	26.69		1518.6							
12.1	085	00514	13.59	35.764	26.66		1512.2							
12.1	085	00689	09.35	35.240	27.27		1499.6							
12.1	085	00865	06.87	35.250	27.65		1493.1							
12.1	085	T01306	04.75	35.085	27.75		1491.7							

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REFID 31 1588	YEAR 1970	BDTOP 05029	AIR TEMP 16.3	DIR HGT PER	WIND-DIR 02	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 02	SHIP 3L	WET BULB 17.1	16 3 4	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 36 15 N	DAY 10	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FUR	DURATION	2 SQUARE 68
LONG 048 15 W	HRUR 19.1	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E37 012	1 SQUARE 68

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
19.1	085	00000	17.74	36.422	26.44		1517.4							
19.1	085	00022	17.62	36.420	26.47		1517.5							
19.1	085	00044	17.56	36.422	26.49		1517.6							
19.1	085	00066	17.56	36.424	26.49		1518.0							
19.1	085	00087	17.60	36.438	26.49		1518.5							
19.1	085	00132	17.57	36.440	26.50		1519.1							
19.1	085	00177	17.44	36.428	26.52		1519.5							
19.1	085	00267	17.15	36.381	26.55		1520.0							
19.1	085	T00358	16.78	36.357	26.63		1520.4							
19.1	085	00450	15.13	36.040	26.76		1516.5							
19.1	085	T00540	13.85	35.840	26.89		1513.6							
19.1	085	00726	09.95	35.302	27.22		1502.5							
19.1	085	00912	07.19	35.122	27.51		1495.0							
19.1	085	T01380	04.43	35.005	27.77		1491.5							

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TABLE XVII.—Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 11 February 1970 - 6 March 1970, prepared from NODC listing No. 31 - 1605.

REFID 31 1605 YEAR 1970 BOTOP 04700 AIR TEMP 18.3 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 02 SHIP ME WET BULB 17.8 U7 2 0 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 12 DATA USE 1 BAROMETR 1019.9 SEA WIND-FUR 05 DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 21.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X2 ORIG E38 C01 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
21.7	OBS	00000	17.97	36.405	26.37		1518.1							
21.7	OBS	00025	17.74	36.416	26.44		1517.8							
21.7	OBS	00050	17.68	36.412	26.45		1518.1							
21.7	OBS	00075	17.69	36.417	26.45		1518.5							
21.7	OBS	00100	17.68	36.430	26.46		1518.9							
21.7	OBS	00151	17.65	36.434	26.47		1519.7							
21.7	OBS	T00201	17.45	36.416	26.51		1519.9							
21.7	OBS	00302	16.83	36.363	26.62		1519.6							
21.7	OBS	T00402	15.82	36.160	26.70		1518.0							
21.7	OBS	00503	14.12	35.871	26.85		1513.9							
21.7	OBS	T00604	12.53	35.615	26.98		1510.0							
21.7	OBS	00805	07.96	35.145	27.41		1456.2							
21.7	OBS	T01007	05.75	35.056	27.65		1490.8							
21.7	OBS	T01510	04.28	35.010	27.79		1453.1							

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REFID 31 1605 YEAR 1970 BOTOP 04770 AIR TEMP 17.7 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 02 SHIP ME WET BULB 17.5 U9 2 0 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 13 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR 05 DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 16.4 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E38 002 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
16.4	OBS	00000	17.87	36.413	26.40		1517.8							
16.4	OBS	00025		36.410										
16.4	OBS	00049	17.69	36.417	26.45		1518.1							
16.4	OBS	00074	17.70	36.424	26.45		1518.5							
16.4	OBS	00098	17.68	36.421	26.46		1518.9							
16.4	OBS	00147	17.67	36.428	26.46		1519.7							
16.4	OBS	00196	17.55	36.429	26.49		1520.1							
16.4	OBS	00294	16.96	36.386	26.60		1519.9							
16.4	OBS	T00393	15.82	36.160	26.70		1517.8							
16.4	OBS	00491	14.32	35.899	26.83		1514.4							
16.4	OBS	T00595	12.60	35.629	26.98		1510.1							
16.4	OBS	00787	08.90	35.206	27.32		1499.5							
16.4	OBS	T00985	06.56	35.140	27.61		1493.7							
16.4	OBS	T01483	04.48	35.026	27.78		1453.5							

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REFID 31 1605 YEAR 1970 BOTOP 04050 AIR TEMP 18.6 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 02 SHIP ME WET BULB 18.3 21 2 0 WIND-SPD 01 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 14 DATA USE 1 BAROMETR 1027.1 SEA WIND-FUR 05 DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 16.6 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X2 ORIG E38 003 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
16.6	OBS	00000	17.89	36.416	26.40		1517.9							
16.6	OBS	00025	17.76	36.420	26.44		1517.9							
16.6	OBS	00050	17.72	36.410	26.44		1518.2							
16.6	OBS	00075	17.72	36.418	26.44		1518.6							
16.6	OBS	00100	17.72	36.422	26.45		1519.0							
16.6	OBS	00151	17.73	36.431	26.45		1519.9							
16.6	OBS	T00201	17.74	36.430	26.45		1520.7							
16.6	OBS	00301	16.96	36.385	26.60		1520.0							
16.6	OBS	T00402	15.86	36.167	26.65		1518.1							
16.6	OBS	00503	14.24	35.885	26.64		1514.3							
16.6	OBS	T00603	12.56	35.618	26.96		1510.1							
16.6	OBS	00804	08.48	35.172	27.56		1498.2							
16.6	OBS	T01005	06.48	35.165	27.64		1493.8							
16.6	OBS	T01509	04.32	35.014	27.78		1453.3							

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TABLE XVII.—Continued

REFID 31 1605 YEAR 1970 BUTDP 03780 AIR TEMP 17.7 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 02 SHIP ME WET BULB 17.5 04 2 0 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 02.5N DAY 15 DATA USE 1 BAROMETR 1029.3 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 16.2 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E38 004 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
16.2	OBS	00000	18.07	36.431	26.37		1518.4							
16.2	OBS	00025	17.80	36.410	26.42		1518.0							
16.2	OBS	00051	17.72	36.418	26.44		1518.2							
16.2	OBS	00076	17.72	36.429	26.45		1518.6							
16.2	OBS	00102	17.72	36.425	26.45		1519.1							
16.2	OBS	00151	17.74	36.429	26.45		1519.9							
16.2	OBS	T00202	17.55	36.427	26.49		1520.2							
16.2	OBS	00305	16.89	36.381	26.62		1519.9							
16.2	OBS	T00403	15.68	36.144	26.72		1517.5							
16.2	OBS	00504	13.72	35.794	26.88		1512.5							
16.2	OBS	T00604	12.24	35.575	27.01		1508.9							
16.2	OBS	00806	08.10	35.170	27.41		1496.8							
16.2	OBS	T01008	06.03	35.105	27.65		1492.0							
16.2	OBS	T01519	04.35	35.025	27.79		1493.6							

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REFID 31 1605 YEAR 1970 BUTDP 04320 AIR TEMP 17.9 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 02 SHIP ME WET BULB 17.9 06 3 5 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 16 DATA USE 1 BAROMETR 1030.4 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 15.7 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E38 005 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
15.7	OBS	00000	18.32	36.468	26.33		1519.2							
15.7	OBS	00024	18.19	36.469	26.37		1519.2							
15.7	OBS	00049	17.88	36.428	26.41		1518.7							
15.7	OBS	00074	17.77	36.416	26.43		1518.7							
15.7	OBS	00099	17.69	36.420	26.45		1518.9							
15.7	OBS	00147	17.68	36.429	26.46		1519.7							
15.7	OBS	T00197	17.26	36.415	26.55		1519.3							
15.7	OBS	00296	16.80	36.356	26.62		1519.4							
15.7	OBS	T00395	15.56	36.122	26.73		1517.0							
15.7	OBS	00495	13.70	35.789	26.88		1512.3							
15.7	OBS	T00595	12.35	35.596	27.00		1509.2							
15.7	OBS	00795	08.20	35.144	27.38		1497.0							
15.7	OBS	T00595	06.09	35.110	27.65		1492.0							
15.7	OBS	T01499	04.28	35.012	27.79		1492.9							

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REFID 31 1605 YEAR 1970 BUTDP 04275 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP ME WET BULB 18.3 12 2 7 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 17 DATA USE 1 BAROMETR 1027.9 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 16.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E38 006 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
16.1	OBS	00000	18.02	36.434	26.38		1518.3							
16.1	OBS	00025	17.87	36.426	26.41		1518.2							
16.1	OBS	00051	17.78	36.425	26.44		1518.4							
16.1	OBS	00077	17.69	36.425	26.46		1518.6							
16.1	OBS	00103	17.65	36.424	26.47		1518.9							
16.1	OBS	00153	17.25	36.393	26.54		1518.5							
16.1	OBS	T00206	17.01	36.357	26.57		1518.6							
16.1	OBS	00308	16.82	36.370	26.63		1519.7							
16.1	OBS	00410	15.59	36.146	26.74		1517.4							
16.1	OBS	00513	13.39	35.747	26.91		1511.5							
16.1	OBS	T00610	11.72	35.542	27.08		1507.2							
16.1	OBS	00814	07.94											
16.1	OBS	T01025	06.04	35.152	27.65		1492.4							
16.1	OBS	T01537	04.17	35.011	27.80		1493.1							

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REFID 31 1605 YEAR 1970 BUTDP 04410 AIR TEMP 17.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 02 SHIP ME WET BULB 17.7 12 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 16 DATA USE 1 BAROMETR 1022.8 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 16.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E38 007 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
16.0	OBS	00000	18.08	36.463	26.35		1518.5							
16.0	OBS	00026	17.56	36.427	26.49		1517.4							
16.0	OBS	00051	17.48	36.425	26.51		1517.5							
16.0	OBS	00077	17.34	36.405	26.53		1517.5							
16.0	OBS	00101	17.26	36.390	26.54		1517.7							
16.0	OBS	00154	17.16	36.398	26.57		1518.2							
16.0	OBS	T00205	16.95	36.353	26.58		1518.4							
16.0	OBS	00308	16.47	36.295	26.65		1518.6							
16.0	OBS	T00410	15.54	36.122	26.73		1517.2							
16.0	OBS	00515	13.59	35.792	26.90		1512.3							
16.0	OBS	T00614	11.73	35.505	27.05		1507.3							
16.0	OBS	00810	07.32	35.134	27.50		1494.1							
16.0	OBS	T01044	06.01	35.136	27.68		1492.5							
16.0	OBS	T01566	04.04	35.008	27.80		1493.6							

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TABLE XVII.—Continued

REFID 31 1605 YEAR 1970 BOTDP 04140 AIR TEMP 18.8 DIP HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP ME WET BULB 18.7 17 4 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 19 DATA USE 1 BAROMETR 1006.4 SEA WIND-FOK DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 16.2 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X3 ORIG E38 008 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
16.2	08S	00000	17.79	36.425	26.43		1517.6							
16.2	08S	00018	17.76	36.441	26.45		1517.8							
16.2	08S	00046	17.70	36.435	26.46		1517.9							
16.2	08S	00054	17.63	36.440	26.48		1518.0							
16.2	08S	00072	17.32	36.427	26.55		1517.4							
16.2	08S	00108	17.19	36.394	26.56		1517.6							
16.2	08S	T00145	17.14											
16.2	08S	00213	17.01											
16.2	08S	T00283	16.84											
16.2	08S	00354	16.04											
16.2	08S	T00427	14.79											
16.2	08S	00580	12.39											
16.2	08S	00739	09.45											
16.2	08S	T01178	05.29	35.095	27.74		1491.8							

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REFID 31 1605 YEAR 1970 BOTDP 04680 AIR TEMP 19.5 DIP HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 02 SHIP ME WET BULB 19.4 25 3 5 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 21 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOK DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 15.7 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X2 ORIG E38 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
15.7	08S	00000	17.90	36.408	26.39		1517.9							
15.7	08S	00022	17.87	36.396	26.39		1518.2							
15.7	08S	00043	17.79	36.393	26.41		1518.3							
15.7	08S	00064	17.78	36.396	26.41		1518.6							
15.7	08S	00085	17.62	36.403	26.46		1518.5							
15.7	08S	00126	17.41	36.387	26.50		1518.5							
15.7	08S	T00167	17.16	36.386	26.56		1518.4							
15.7	08S	00250	16.99	36.351	26.57		1519.3							
15.7	08S	T00329	16.36	36.236	26.63		1518.5							
15.7	08S	00408	15.38	36.084	26.74		1518.6							
15.7	08S	T00486	14.42	35.895	26.81		1514.6							
15.7	08S	00646	11.30	35.434	27.08		1506.2							
15.7	08S	00811	08.71	35.171	27.32		1499.2							
15.7	08S	T01229	05.10	35.068	27.74		1491.9							

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REFID 31 1605 YEAR 1970 BOTDP 04320 AIR TEMP 18.0 DIP HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 02 SHIP ME WET BULB 17.8 25 2 6 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 34 59.5N DAY 22 DATA USE 1 BAROMETR 1020.4 SEA WIND-FOK DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 15.9 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E38 010 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
15.9	08S	00000	17.76	36.419	26.44		1517.5							
15.9	08S	00023	17.56	36.415	26.48		1517.3							
15.9	08S	00046	17.51	36.422	26.50		1517.5							
15.9	08S	00069	17.49	36.422	26.50		1517.8							
15.9	08S	00093	17.34	36.413	26.53		1517.8							
15.9	08S	00137	17.16	36.381	26.55		1517.9							
15.9	08S	T00184	17.01	36.382	26.59		1518.3							
15.9	08S	00275	16.60	36.281	26.61		1518.4							
15.9	08S	T00367	15.95	36.200	26.70		1517.8							
15.9	08S	00458	14.50	35.928	26.81		1514.5							
15.9	08S	T00549	13.12	35.694	26.92		1511.1							
15.9	08S	00730	09.54	35.265	27.26		1501.0							
15.9	08S	T00914	06.58	35.120	27.59		1492.6							
15.9	08S	T01396	04.65	35.058	27.78		1492.8							

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REFID 31 1605 YEAR 1970 BOTDP 04590 AIR TEMP 15.0 DIP HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 02 SHIP ME WET BULB 14.8 35 2 5 WIND-SPD 02 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 23 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOK DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 15.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E38 011 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
15.8	08S	00000	17.48	36.406	26.49		1516.7							
15.8	08S	00025	17.41	36.405	26.51		1516.9							
15.8	08S	00049	17.36	36.402	26.52		1517.1							
15.8	08S	00074	17.35	36.401	26.52		1517.5							
15.8	08S	00098	17.36	36.402	26.52		1517.9							
15.8	08S	00148	17.15	36.385	26.54		1518.1							
15.8	08S	T00197	17.03	36.371	26.58		1518.5							
15.8	08S	00293	16.71	36.334	26.62		1519.1							
15.8	08S	T00389	15.98	36.193	26.69		1518.3							
15.8	08S	00484	14.42	35.930	26.83		1514.6							
15.8	08S	00578		35.666										
15.8	08S	00771	08.42	35.174	27.37		1497.4							
15.8	08S	T00965	06.31	35.115	27.62		1492.4							
15.8	08S	T01472	04.44	35.034	27.79		1493.2							
18.7	08S	T01969	03.73	34.992	27.83		1498.5							
18.7	08S	T02472	03.31	34.972	27.85		1505.3							
18.7	08S	T02981	02.85	34.952	27.88		1512.1							
18.7	08S	03483	02.45	34.931	27.90		1519.1							

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TABLE XVII.—Continued

REFID 31 1605 YEAR 1970 BDTOP 04800 AIR TEMP 17.8 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 02 SHIP ME WET BULB 15.9 17 3 5 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 24 DATA USE 1 BAROMETR 1015.1 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 52 W HOUR 16.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X2 CRIG E38 012 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	PD4	TOT P	NO2	NO3	S103	PH
16.9	085	00000	17.64	36.407	26.46		1517.1							
16.9	085	00022	17.59	36.404	26.47		1517.3							
16.9	085	00042	17.54	36.411	26.48		1517.5							
16.9	085	00063	17.53	36.411	26.48		1517.8							
16.9	085	00085	17.50	36.414	26.50		1518.1							
16.9	085	00128	17.29	36.403	26.54		1518.2							
16.9	085	T00172	17.14	36.390	26.56		1518.5							

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REFID 31 1605 YEAR 1970 BDTOP 04140 AIR TEMP 16.3 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 02 SHIP ME WET BULB 16.3 27 5 7 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 25 DATA USE 1 BAROMETR 1025.6 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 16 W HOUR 16.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 CRIG E38 013 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	PD4	TCT P	NO2	NO3	S103	PH
16.8	085	00000	17.64	36.417	26.46		1517.1							
16.8	085	00023	17.42	36.414	26.51		1516.9							
16.8	085	00047	17.42	36.415	26.52		1517.3							
16.8	085	00070	17.44	36.420	26.51		1517.7							
16.8	085	00093	17.42	36.434	26.53		1518.0							
16.8	085	00139	17.26	36.414	26.55		1518.3							
16.8	085	00185	17.09	36.397	26.58		1518.5							
16.8	085	00277	16.83	36.348	26.61		1519.2							
16.8	085	T00366	16.40	36.288	26.66		1519.3							
16.8	085	00458	14.76	35.982	26.80		1515.4							
16.8	085	T00549	12.83	35.668	26.96		1510.1							
16.8	085	00733	09.71	35.295	27.25		1501.8							
16.8	085	00917	06.82	35.110	27.55		1493.0							
16.8	085	T01377	04.70	35.073	27.79		1492.7							

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REFID 31 1605 YEAR 1970 BDTOP 04500 AIR TEMP 17.4 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 02 SHIP ME WET BULB 17.4 05 2 X WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57.5W HOUR 15.7 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 CRIG E38 014 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	PD4	TOT P	NO2	NO3	S103	PH
15.7	085	00000	17.57	36.437	26.50		1517.0							
15.7	085	00025	17.50	36.440	26.51		1517.2							
15.7	085	00050	17.50	36.442	26.52		1517.6							
15.7	085	00075	17.36	36.419	26.53		1517.6							
15.7	085	00099	17.30	36.416	26.55		1517.8							
15.7	085	00141	17.16	36.400	26.57		1518.0							
15.7	085	T00199	17.09	36.374	26.56		1518.7							
15.7	085	00297	16.66	36.342	26.64		1519.0							
15.7	085	T00395	15.64	36.146	26.73		1517.3							
15.7	085	00494	13.67	35.820	26.91		1512.2							
15.7	085	T00591	11.69	35.511	27.06		1506.7							
15.7	085	00788	08.15	35.178	27.41		1496.7							
15.7	085	00983	06.76	35.172	27.61		1494.5							
15.7	085	T01474	04.33	35.037	27.80		1492.7							

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REFID 31 1605 YEAR 1970 BDTOP 01710 AIR TEMP 18.3 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 02 SHIP ME WET BULB 17.8 08 3 6 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 27 DATA USE 1 BAROMETR 1011.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 16.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 CRIG E38 015 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	QXYG	PD4	TOT P	NO2	NO3	S103	PH
16.1	085	00000	17.65	36.437	26.48		1517.2							
16.1	085	00024	17.52	36.435	26.51		1517.2							
16.1	085	00047	17.48	36.437	26.52		1517.5							
16.1	085	00071	17.49	36.441	26.52		1517.9							
16.1	085	00094	17.43	36.440	26.53		1518.1							
16.1	085	00142	17.28	36.425	26.56		1518.4							
16.1	085	T00187	17.22	36.411	26.56		1519.0							
16.1	085	00279	16.88	36.392	26.63		1519.4							
16.1	085	T00370	15.68	36.161	26.73		1517.0							
16.1	085	00461	14.52	35.978	26.85		1514.6							
16.1	085	T00550	13.03	35.715	26.96		1510.9							
16.1	085	00732	09.23	35.295	27.33		1500.0							
16.1	085	T00915	06.93	35.188	27.60		1494.1							
16.1	085	T01413	04.65	35.062	27.79		1493.1							

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TABLE XVIII.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 7 March 1970 - 24 March 1970 , prepared from NODC listing No. 31 - 1602.

REFID 31 1602	YEAR 1970	BOTOP 03292	AIR TEMP 17.2	DIR HGT PER	WIND-DIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP EN	WET BULB 15.6	31 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 07	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FUR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 13.9	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	ORIG E39 001	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIU3	PH
12.9	OBS	00000	16.98	36.393	26.60		1515.2							
12.9	OBS	00024	17.01	36.392	26.60		1515.7							
12.9	OBS	00046	17.00	36.390	26.60		1516.0							
12.9	OBS	00068	17.04	36.390	26.59		1516.5							
12.9	OBS	00091	17.03	36.392	26.55		1516.8							
12.9	OBS	00146	17.04	36.387	26.59		1517.7							
12.9	OBS	T00180	16.99	36.386	26.60		1518.1							
12.9	OBS	00269	16.95	36.386	26.61		1519.5							
12.9	OBS	T00359	16.60	36.284	26.61		1519.8							
12.9	OBS	00453	16.40	36.219	26.61		1520.7							
12.9	OBS	T00547	14.73	35.919	26.76		1516.6							
12.9	OBS	00745	09.53	35.200	27.21		1501.2							
12.9	OBS	00958	06.77	35.199	27.63		1494.2							
12.9	OBS	T01549	04.23	35.005	27.79		1493.6							

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REFID 31 1602	YEAR 1970	BOTOP 05121	AIR TEMP 15.6	DIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 03	SHIP EN	WET BULB 12.2	31 2 4	WIND-SPD 13	TRACE DIR	5 SQUARE 2
LAT 34 46 N	DAY 09	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FUR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 13.5	AREA 05	CLOUD T/A 3/1	CL/TR	WEATHER X1	ORIG E39 002	1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIU3	PH
13.5	OBS	00000	17.05	36.391	26.59		1515.4							
13.5	OBS	00029	17.04	36.391	26.59		1515.8							
13.5	OBS	00056	17.00	36.391	26.60		1516.1							
13.5	OBS	00085	17.05	36.390	26.55		1516.8							
13.5	OBS	00113	17.03	36.389	26.59		1517.2							
13.5	OBS	00170	17.05	36.391	26.55		1518.2							

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REFID 31 1602	YEAR 1970	BOTOP 04938	AIR TEMP 17.8	DIR HGT PER	WIND-DIR 26	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 03	SHIP EN	WET BULB 16.1	27 2 3	WIND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 12	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 14.2	AREA 05	CLOUD T/A 3/2	CL/TR	WEATHER X1	ORIG E39 003	1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIU3	PH
14.2	OBS	00000	17.09	36.391	26.58		1515.5							
14.2	OBS	00025	17.06	36.394	26.59		1515.8							
14.2	OBS	00048	17.05	36.401	26.59		1516.2							
14.2	OBS	00072	17.06	36.393	26.59		1516.6							
14.2	OBS	00095	17.07	36.393	26.58		1517.0							
14.2	OBS	00144	17.09	36.393	26.56		1517.9							
14.2	OBS	00191	17.05	36.396	26.59		1518.5							
14.2	OBS	00286		36.395										
14.2	OBS	00382		36.394										
14.2	OBS	00480	14.17	35.841	26.82		1513.6							
14.2	OBS	T00578	12.52	35.573	26.95		1509.5							
14.2	OBS	00778	08.27											
14.2	OBS	T00981	06.27											
14.2	OBS	T01503	04.26	34.988	27.77		1492.9							

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TABLE XVIII.—Continued

REFIO 31 1602 YEAR 1970 BOTOP 05121 AIR TEMP 17.8 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0004 MONTH 03 SHIP EN WET BULB 15.6 30 1 4 WIND-SPD 04 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 13 DATA USE 1 BAROMETR 1020.7 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 21.4 AREA 05 CLOUD T/A 3/1 CL/TR WEATHER X1 DRIG E39 004 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
21.4	085	00000	17.46	36.403	26.50		1516.6							
21.4	085	00024	17.29	36.401	26.54		1516.5							
21.4	085	00049	17.20	36.397	26.55		1516.6							
21.4	085	00073	17.14	36.387	26.56		1516.8							
21.4	085	00098	17.08	36.386	26.58		1517.1							
21.4	085	00147	17.00	36.371	26.58		1517.6							
21.4	085	00197		36.360										
21.4	085	00295	16.33	36.254	26.65		1517.9							
21.4	085	00391	15.21	36.052	26.75		1515.8							
21.4	085	00486		35.768										
21.4	085	T00581	12.02	35.544	27.03		1507.8							
21.4	085	00769	08.30	35.152	27.37		1496.9							
21.4	085	T00957	06.36	35.121	27.62		1492.5							
21.4	085	T01439	04.44	35.031	27.78		1492.6							

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REFIO 31 1602 YEAR 1970 BOTOP 04665 AIR TEMP 17.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0005 MONTH 03 SHIP EN WET BULB 15.0 25 1 5 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 14 DATA USE 1 BAROMETR 1022.7 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 19 W HOUR 14.8 AREA 05 CLOUD T/A 2/1 CL/TR WEATHER X4 DRIG E39 005 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
14.8	085	00000	17.06	36.391	26.58		1515.4							
14.8	085	00024	16.92	36.387	26.61		1515.4							
14.8	085	00049	16.89	36.385	26.62		1515.7							
14.8	085	00073	16.90	36.387	26.62		1516.1							
14.8	085	00098	16.90	36.386	26.62		1516.5							
14.8	085	00147	16.88	36.386	26.62		1517.3							
14.8	085	00196	16.92	36.381	26.61		1518.2							

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REFIO 31 1602 YEAR 1970 BOTOP 02651 AIR TEMP 18.3 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0006 MONTH 03 SHIP EN WET BULB 16.7 27 2 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 15 DATA USE 1 BAROMETR 1025.4 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 15.0 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 DRIG E39 006 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
15.0	085	00000	17.14	36.395	26.57		1515.7							
15.0	085	00025	17.09	36.392	26.58		1515.9							
15.0	085	00050	17.06	36.394	26.59		1516.2							
15.0	085	00075	17.05	36.390	26.59		1516.6							
15.0	085	00100	17.07	36.394	26.58		1517.1							
15.0	085	00152	17.05	36.393	26.59		1517.9							
15.0	085	T00202	17.01	36.394	26.60		1518.6							
15.0	085	00303	17.01	36.392	26.60		1520.2							
15.0	085	T00405	16.76	36.340	26.62		1521.1							
15.0	085	00508	15.20	36.038	26.74		1517.6							
15.0	085	T00612	12.88	35.662	26.95		1511.3							
15.0	085	00825	10.53	35.393	27.18		1506.4							
15.0	085	01040	06.80	35.000	27.47		1495.4							
15.0	085	T01588	04.18	34.997	27.79		1494.0							

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REFIO 31 1602 YEAR 1970 BOTOP 04755 AIR TEMP 17.8 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0007 MONTH 03 SHIP EN WET BULB 16.7 27 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1026.1 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 18.4 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X2 DRIG E39 007 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
18.4	085	00000	17.20	36.396	26.55		1515.8							
18.4	085	00027	17.06	36.403	26.55		1515.9							
18.4	085	00054	17.03	36.401	26.60		1516.2							
18.4	085	00082	17.02	36.397	26.60		1516.6							
18.4	085	00108	17.01	36.395	26.60		1517.0							
18.4	085	00164	16.94	36.386	26.61		1517.7							
18.4	085	T00218	16.89	36.373	26.61		1518.5							
18.4	085	00327	16.65	36.315	26.62		1519.5							
18.4	085	T00436	15.36	36.047	26.72		1517.0							
18.4	085	00546	13.68	35.777	26.87		1513.1							
18.4	085	T00655	11.14	35.412	27.09		1505.7							

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TABLE XVIII.—Continued

REFID 31 1602 YEAR 1970 BOTDP 02926 AIR TEMP 18.3 OIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 03 SHIP EN WET BULB 16.7 19 1 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 17 DATA USE 1 BARMETR 1027.4 SEA WIND-FUR DURATION 2 SQUARE 4B  
 LONG 04B 03 W HOUR 13.9 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E39 00B 1 SQUARE 5B

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.9	OBS	00000	17.15	36.395	26.57		1515.7							
13.9	OBS	00026	17.07	36.396	26.59		1515.9							
13.9	OBS	00051	17.05	36.394	26.55		1516.2							
13.9	OBS	00077	17.01	36.391	26.60		1516.5							
13.9	OBS	00102	17.01	36.392	26.60		1516.9							
13.9	OBS	00153	16.99	36.384	26.60		1517.7							
13.9	OBS	T00204	16.94	36.380	26.60		1516.4							

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REFID 31 1602 YEAR 1970 BOTDP 04572 AIR TEMP 16.7 OIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 03 SHIP EN WET BULB 15.6 27 2 2 WIND-SPD 68 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 18 DATA USE 1 BARMETR 1026.8 SEA WIND-FUR DURATION 2 SQUARE 4B  
 LONG 04B 03 W HOUR 11.6 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E39 009 1 SQUARE 4B

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	17.08	36.412	26.60		1515.5							
11.6	OBS	00025	17.07	36.400	26.55		1515.9							
11.6	OBS	00051	17.07	36.401	26.55		1516.3							
11.6	OBS	00077	17.02	36.396	26.60		1516.6							
11.6	OBS	00103	17.03	36.394	26.55		1517.0							
11.6	OBS	00153	17.03	36.387	26.59		1517.8							
11.6	OBS	T00205	17.01	36.390	26.60		1518.6							
11.6	OBS	00307	16.98	36.382	26.60		1520.2							
11.6	OBS	00411	16.59	36.285	26.61		1520.6							
11.6	OBS	00514	14.98	35.994	26.76		1517.0							
11.6	OBS	T00617	13.41	35.756	26.91		1513.3							
13.7	OBS	T02192	03.56	34.974	27.83		1501.6							
13.7	OBS	02741	03.08	34.952	27.86		1508.9							
13.7	OBS	03292	02.59	34.923	27.88		1516.4							
13.7	OBS	T03846	02.26	34.899	27.89		1524.6							
13.7	OBS	T03984	02.28	34.894	27.89		1527.1							

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REFID 31 1602 YEAR 1970 BOTDP 04023 AIR TEMP 16.1 OIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 03 SHIP EN WET BULB 13.9 32 3 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 19 DATA USE 1 BARMETR 1027.4 SEA WIND-FUR DURATION 2 SQUARE 4B  
 LONG 04B 00 W HOUR 14.1 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E39 010 1 SQUARE 4B

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
14.1	OBS	00000	17.14	36.399	26.57		1515.7							
14.1	OBS	00024	17.03	36.392	26.59		1515.7							
14.1	OBS	00049	17.00	36.390	26.60		1516.0							
14.1	OBS	00074	17.02	36.394	26.60		1516.5							
14.1	OBS	00099	17.03	36.390	26.55		1516.9							
14.1	OBS	00147	17.02	36.391	26.59		1517.7							
14.1	OBS	00196	17.02	36.391	26.59		1518.3							
14.1	OBS	00294	16.94	36.388	26.61		1515.7							
14.1	OBS	00341	16.94	36.375	26.60		1521.4							
14.1	OBS	00489	15.88	36.155	26.68		1519.0							
14.1	OBS	00586	14.14	35.842	26.83		1515.3							
14.1	OBS	00781	08.82	35.088	27.24		1495.0							
14.1	OBS	T00977	06.21	35.086	27.61		1492.2							
14.1	OBS	T01474	04.29	35.011	27.79		1492.5							

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REFID 31 1602 YEAR 1970 BOTDP 03200 AIR TEMP 16.7 OIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 03 SHIP EN WET BULB 13.9 31 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 20 DATA USE 1 BARMETR 1024.0 SEA WIND-FUR DURATION 2 SQUARE 4B  
 LONG 04B 02 W HOUR 11.9 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E39 011 1 SQUARE 5B

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	17.13	36.401	26.57		1515.0							
11.9	OBS	00025	17.09	36.404	26.55		1515.9							
11.9	OBS	00049	17.07	36.402	26.55		1516.3							
11.9	OBS	00074	17.09	36.398	26.56		1516.7							
11.9	OBS	00098	17.05	36.394	26.55		1517.0							
11.9	OBS	00146	17.03	36.391	26.55		1517.7							
11.9	OBS	T00197	17.03	36.391	26.55		1518.5							
11.9	OBS	00295	17.02	36.388	26.55		1520.1							
11.9	OBS	00392	17.00	36.378	26.55		1521.0							
11.9	OBS	00491	16.15	36.215	26.66		1520.5							
11.9	OBS	T00586	13.87	35.820	26.87		1514.9							
11.9	OBS	00785	09.60	35.238	27.21		1502.4							
11.9	OBS	00960	05.87	35.068	27.64		1490.8							
11.9	OBS	T01471	04.34	35.009	27.78		1492.7							

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TABLE XVIII.—Continued

REFID 31 1602 YEAR 1970 BOTOP 04541 AIR TEMP 18.3 OIR HGT PER WIND-OIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 03 SHIP EN NET BULB 15.6 23 S 5 WIND-SPD 25 TRACE OIR 5 SQUARE 4  
 LAT 35 00 N DAY 21 DATA USE 1 BAROMETR 1011.2 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 17.5 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER A1 ORIG E39 G12 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
17.5	085	00000	17.10	36.369	26.54		1515.7							
17.5	085	00025	17.08	36.371	26.56		1515.9							
17.5	085	00048	17.03	36.382	26.58		1516.1							
17.5	085	00072	17.08	36.394	26.58		1516.7							
17.5	085	00096	17.08	36.395	26.58		1517.0							
17.5	085	00143	17.07	36.398	26.59		1517.8							
17.5	085	00190		36.395										
17.5	085	00285	16.99	36.397	26.61		1519.9							
17.5	085	00381	17.01	36.386	26.59		1521.5							
17.5	085	00480	15.72	36.116	26.65		1518.9							
17.5	085	T00585	13.64	35.773	26.88		1515.0							
17.5	085	00604	08.77	35.138	27.28		1499.2							
17.5	085	T01032	05.88	35.088	27.60		1491.7							

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REFID 31 1602 YEAR 1970 BOTOP 04755 AIR TEMP 17.8 OIR HGT PER WIND-OIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 03 SHIP EN NET BULB 16.1 30 3 3 WIND-SPD 15 TRACE OIR 5 SQUARE 2  
 LAT 34 58 N DAY 24 DATA USE 1 BAROMETR 1017.3 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 13 W HOUR 14.0 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG E39 013 1 SQUARE 48

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
14.0	085	00000	17.03	36.386	26.59		1515.3							
14.0	085	00028	16.99	36.388	26.60		1515.7							
14.0	085	00055	16.96	36.385	26.60		1516.0							
14.0	085	00083	16.98	36.386	26.60		1516.5							
14.0	085	00111	16.99	36.390	26.60		1517.0							
14.0	085	00167	16.98	36.385	26.60		1517.9							
14.0	085	T00223	16.96	36.372	26.59		1518.7							
14.0	0P	00334		36.370										

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TABLE XIX.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 29 March 1970 - 1 May 1970, prepared from NODC listing No. 31 - 8162.

REFID 31	B162	YEAR 1970	BOTOP 04866	AIR TEMP 16.8	DIF HGT PER	WIND-DIR L1	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP A1	WET BULB 13.7	SEA 2 4	WIND-SPD 0d	TRACE DIR 0	5 SQUARE 2	
LAT 34 52 N	DAY 30	DATA USE 1	BAROMETR 1017.3	CL/TR	WIND-FUR	DURATION 09.5	2 SQUARE 46	
LONG 047 57 W	HOUR 11.9	AREA 05	CLOUD T/A		WEATHER X1	ORIG E40 001	1 SQUARE 47	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	0000	16.91	36.36	26.60		1514.9							
	OBS	00010	16.90	36.38	26.61		1515.1							
	OBS	00020	16.90	36.38	26.61		1515.2							
	OBS	00030	16.90	36.38	26.61		1515.4							
	OBS	00050	16.90	36.39	26.62		1515.7							
	OBS	00075	16.90	36.39	26.62		1516.2							
	OBS	00100	16.90	36.39	26.62		1516.6							
	OBS	00125	16.90	36.39	26.62		1517.0							
	OBS	00150	16.90	36.39	26.62		1517.4							
	OBS	00200	16.90	36.39	26.62		1518.2							
	OBS	00250	16.91	36.40	26.63		1519.1							
	OBS	00300	16.91	36.39	26.62		1519.9							
	OBS	00320	16.90	36.39	26.62		1520.2							
	OBS	00400	16.26	36.24	26.66		1519.4							
	OBS	00430	16.26	36.29	26.70		1519.9							
	OBS	00485	15.39	36.10	26.75		1517.9							
	OBS	00500	15.35	36.10	26.76		1518.0							
	OBS	00540	14.36	35.90	26.82		1515.3							
	OBS	00600	13.81	35.83	26.89		1514.4							
	OBS	00700	11.11	35.41	27.05		1506.4							
	OBS	00750	09.97	35.22	27.15		1502.9							
	OBS	00800	08.75	35.14	27.29		1499.1							
	OBS	00870	07.29	35.02	27.41		1494.5							
	OBS	00900	06.58	35.02	27.51		1492.3							
	OBS	00930	06.39	35.02	27.54		1492.0							
	OBS	00960	06.00	35.06	27.62		1491.0							
	OBS	00985	06.17	35.10	27.63		1492.1							
	OBS	01000	06.02	35.10	27.65		1491.8							
	OBS	01020	06.04	35.12	27.66		1492.2							
	OBS	01050	05.90											
	OBS	01055	05.98	35.15	27.65		1492.6							
	OBS	01100	05.50	35.10	27.72		1491.4							
	OBS	01200	05.03	35.06	27.74		1491.1							
	OBS	01300	04.75	35.06	27.77		1491.6							
	OBS	01400	04.56	35.05	27.79		1492.5							
	OBS	01500	04.32	35.04	27.81		1493.1							

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REFID 31	B162	YEAR 1970	BOTOP 04938	AIR TEMP 20.1	DIF HGT PER	WIND-DIR 2+	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 03	SHIP A1	WET BULB 16.4	SEA 2 2	WIND-SPD 07	TRACE DIR 0	5 SQUARE 2	
LAT 34 57 N	DAY 30	DATA USE 1	BAROMETR 1016.5	CL/TR	WIND-FUR	DURATION 09.5	2 SQUARE 48	
LONG 048 08 W	HOUR 18.0	AREA 05	CLOUD T/A		WEATHER Xc	ORIG E40 002	1 SQUARE 48	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00000	17.06	36.36	26.56		1515.4							
	OBS	00010	16.94	36.36	26.55		1515.2							
	OBS	00020	16.90	36.36	26.60		1515.2							
	OBS	00030	16.90	36.36	26.60		1515.4							
	OBS	00040	16.90	36.36	26.60		1515.5							
	OBS	00050	16.90	36.36	26.60		1515.7							
	OBS	00075	16.90	36.36	26.60		1516.1							
	OBS	00100	16.90	36.36	26.60		1516.5							
	OBS	00125	16.91	36.36	26.60		1517.0							
	OBS	00150	16.91	36.36	26.60		1517.4							
	OBS	00200	16.91	36.36	26.60		1518.2							
	OBS	00250	16.92	36.36	26.55		1519.1							
	OBS	00300	16.91	36.37	26.60		1519.9							
	OBS	00350	16.86	36.36	26.61		1520.5							
	OBS	00400	16.14	36.17	26.63		1518.9							
	OBS	00415	15.97	36.16	26.66		1518.6							
	OBS	00430	16.06	36.21	26.68		1519.2							
	OBS	00500	15.01	36.03	26.76		1516.9							
	OBS	00600	13.51	35.78	26.91		1513.4							
	OBS	00700	10.92	35.37	27.10		1505.7							
	OBS	00740	10.46	35.31	27.13		1504.6							
	OBS	00800	08.64	35.10	27.27		1498.6							
	OBS	00900	06.75	34.99	27.47		1492.9							
	OBS	00960	05.95	34.97	27.56		1490.7							
	OBS	00990	06.21	35.11	27.63		1492.4							
	OBS	01000	06.16	35.10	27.63		1492.4							
	OBS	01050	06.17	35.14	27.66		1493.3							
	OBS	01065	05.95	35.11	27.67		1492.6							
	OBS	01080	06.02	35.15	27.65		1493.2							
	OBS	01100	05.75	35.10	27.68		1492.4							
	OBS	01115	05.50	35.06	27.70		1491.5							
	OBS	01200	05.16	35.06	27.73		1491.0							
	OBS	01300	04.84	35.05	27.75		1492.0							
	OBS	01400	04.58	35.03	27.77		1492.5							
	OBS	01470	04.49	35.03	27.78		1493.3							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 05121 AIR TEMP 17.1 OIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MCNTH 03 SHIP A1 WET BULB 12.4 28 2 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 31 DATA USE 1 BAROMETR 1014.6 SEA WIND-FUR DURATION 00.6 2 SQUARE 48  
 LONG 048 06 W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 003 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
00.7	OBS	0000	16.96	36.36	26.58		1515.1							
	OBS	00010	16.95	36.36	26.55		1515.2							
	OBS	00020	16.94	36.36	26.55		1515.3							
	OBS	00030	16.92	36.36	26.55		1515.4							
	OBS	00050	16.92	36.37	26.60		1515.8							
	OBS	00075	16.92	36.37	26.60		1516.2							
	OBS	00100	16.92	36.37	26.60		1516.6							
	OBS	00125	16.92	36.37	26.60		1517.0							
	OBS	00150	16.93	36.37	26.60		1517.5							
	OBS	00200	16.93	36.37	26.60		1518.3							
	OBS	00250	16.93	36.37	26.60		1519.1							
	OBS	00300	16.93	36.37	26.60		1519.9							
	OBS	00350	16.92	36.36	26.55		1520.7							
	OBS	00400	16.74	36.32	26.61		1520.4							
	OBS	00460	15.55	36.10	26.71		1518.0							
	OBS	00500	14.96	36.02	26.78		1516.7							
	OBS	00600	13.56	35.77	26.85		1513.5							
	OBS	00670	12.15	35.55	27.01		1507.7							
	OBS	00700	10.86	35.35	27.05		1505.4							
	OBS	00800	08.25	35.17	27.31		1497.1							
	OBS	00900	06.34	34.99	27.52		1491.3							
	OBS	00970	05.70	35.00	27.61		1489.9							
	OBS	01000	06.05	35.11	27.65		1491.9							
	OBS	01035	05.70	35.09	27.68		1491.1							
	OBS	01100	05.63	35.12	27.71		1491.9							
	OBS	01200	04.95	35.05	27.74		1490.7							
	OBS	01300	04.65	35.03	27.76		1491.1							
	OBS	01400	04.53	35.04	27.76		1492.3							
	OBS	01440	04.43	35.03	27.75		1492.6							

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REFID 31 8162 YEAR 1970 BOTOP 04938 AIR TEMP 16.8 OIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MCNTH 03 SHIP A1 WET BULB 13.7 28 2 3 WIND-SPD 19 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 31 DATA USE 1 BAROMETR 1010.5 SEA WIND-FUR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 07.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 004 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
07.9	OBS	0000	16.96	36.38	26.60		1515.1							
	OBS	00010	16.96	36.38	26.60		1515.3							
	OBS	00020	16.96	36.38	26.60		1515.4							
	OBS	00030	16.57	36.38	26.60		1515.6							
	OBS	00050	16.56	36.38	26.60		1515.9							
	OBS	00075	16.94	36.38	26.60		1516.3							
	OBS	00100	16.94	36.38	26.60		1516.7							
	OBS	00125	16.94	36.38	26.60		1517.1							
	OBS	00150	16.96	36.38	26.60		1517.6							
	OBS	00200	16.96	36.38	26.60		1518.4							
	OBS	00250	16.96	36.38	26.60		1519.2							
	OBS	00300	16.93	36.37	26.60		1519.9							
	OBS	00400	16.14	36.19	26.65		1519.0							
	OBS	00500	14.48	35.88	26.78		1515.0							
	OBS	00600	13.28	35.74	26.93		1512.6							
	OBS	00700	11.08	35.40	27.05		1506.3							
	OBS	00800	08.17	35.04	27.30		1456.8							
	OBS	00900	06.32	35.00	27.53		1491.2							
	OBS	01000	05.52	35.01	27.64		1489.7							
	OBS	01050	05.09	34.99	27.68		1488.7							
	OBS	01080	05.01	35.00	27.70		1488.9							
	OBS	01100	05.05	35.03	27.71		1489.4							
	OBS	01150	05.33	35.10	27.74		1491.5							
	OBS	01200	05.12	35.08	27.75		1491.5							
	OBS	01300	04.77	35.04	27.75		1491.7							
	OBS	01400	04.38	35.01	27.77		1491.7							
	OBS	01430	04.26	35.01	27.75		1491.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04297 AIR TEMP 17.9 DIR HGT PER WIND-DIR 26 INST STD RECGROR TEN SQ 1206  
 CONSEC 0005 MONTH 03 SHIP AI WET BULB 14.2 24 3 3 WIND-SPO 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 31 DATA USE 1 BAROMETR 1010.2 SEA WIND-FUR 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E4G 005 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	16.93	36.36	26.55		1515.0							
	085	00010	16.93	36.36	26.55		1515.1							
	085	00020	16.93	36.37	26.60		1515.3							
	085	00030	16.93	36.37	26.60		1515.5							
	085	00050	16.93	36.37	26.60		1515.8							
	085	00075	16.92	36.37	26.60		1516.2							
	085	00100	16.91	36.37	26.60		1516.6							
	085	00125	16.92	36.37	26.60		1517.0							
	085	00150	16.93	36.37	26.60		1517.5							
	085	00200	16.94	36.37	26.60		1518.3							
	085	00250	16.94	36.38	26.60		1519.1							
	085	00300	16.95	36.37	26.55		1520.0							
	085	00330	16.88	36.35	26.60		1520.2							
	085	00400	16.58	36.29	26.62		1520.4							
	085	00435	16.19	36.22	26.66		1519.7							
	085	00450	16.33	36.27	26.66		1520.5							
	085	00500	15.67	36.13	26.71		1519.1							
	085	00600	13.33	35.72	26.90		1512.7							
	085	00700	10.86	35.36	27.10		1505.5							
	085	00800	08.39	35.10	27.31		1497.7							
	085	00900	06.33	34.98	27.51		1491.2							
	085	00930	06.18	34.97	27.53		1491.1							
	085	00965	06.36	35.11	27.61		1492.6							
	085	01000	06.26	35.12	27.63		1492.8							
	085	01100	05.65	35.11	27.70		1492.0							
	085	01200	05.00	35.06	27.74		1490.9							
	085	01300	04.76	35.05	27.76		1491.6							
	085	01400	04.52	35.04	27.78		1492.3							
	085	01430	04.49	35.04	27.75		1492.7							

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REFID 31 8162 YEAR 1970 BOTOP 04936 AIR TEMP 18.5 DIR HGT PER WIND-DIR 18 INST STD RECGROR TEN SQ 1206  
 CONSEC 0006 MONTH 04 SHIP AI WET BULB 15.2 34 4 3 WIND-SPO 18 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 01 DATA USE 1 BAROMETR 1010.8 SEA WIND-FUR 00.6 2 SQUARE 46  
 LONG 047 58 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E4G 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDEPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.0	085	00000	17.06	36.37	26.57		1515.4							
	085	00010	17.00	36.37	26.58		1515.4							
	085	00020	16.99	36.38	26.59		1515.5							
	085	00030	16.98	36.38	26.55		1515.6							
	085	00050	16.98	36.38	26.59		1516.0							
	085	00075	16.98	36.38	26.55		1516.4							
	085	00100	16.98	36.38	26.59		1516.8							
	085	00125	16.98	36.38	26.59		1517.2							
	085	00150	16.98	36.38	26.55		1517.6							
	085	00200	16.97	36.38	26.60		1518.4							
	085	00250	16.96	36.38	26.60		1518.2							
	085	00300	16.93	36.37	26.60		1519.9							
	085	00324	16.92	36.37	26.60		1520.3							
	085	00400	16.34	36.23	26.63		1519.6							
	085	00500	14.90	35.96	26.75		1516.5							
	085	00600	13.17	35.67	26.89		1512.1							
	085	00700	10.99	35.37	27.08		1505.9							
	085	00800	08.51	35.11	27.30		1498.2							
	085	00900	07.00	35.05	27.48		1493.9							
	085	01000	06.22	35.12	27.64		1492.6							
	085	01100	05.69	35.11	27.70		1492.1							
	085	01200	05.17	35.09	27.75		1491.7							
	085	01300	04.71	35.05	27.77		1491.4							
	085	01400	04.44	35.04	27.79		1492.2							
	085	01485	04.36	35.04	27.80		1493.1							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 04936 AIR TEMP 18.5 OIR HGT PER WIND-DIR 29 INST STD RECDROER TEN SQ 1206  
 CONSEC 0007 MONTH 04 SHIP A1 WET BULB 15.6 SEA 31 4 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 03 DATA USE 1 BAROMETR 1018.3 CL/TR WIND-FGR DURATION 00.4 2 SQUARE 48  
 LONG 048 07 W HOUR 12.0 AREA 05 CLOUD T/A WEATHER X1 ORIG EQU 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	16.93	36.37	26.60		1515.0							
	OBS	00010	16.93	36.37	26.60		1515.2							
	OBS	00020	16.93	36.37	26.60		1515.3							
	OBS	00030	16.93	36.38	26.61		1515.5							
	OBS	00050	16.93	36.38	26.61		1515.8							
	OBS	00075	16.93	36.38	26.61		1516.2							
	OBS	00100	16.93	36.39	26.61		1516.7							
	OBS	00125	16.94	36.39	26.61		1517.1							
	OBS	00150	16.95	36.39	26.61		1517.5							
	OBS	00200	16.96	36.39	26.61		1518.4							
	OBS	00250	16.96	36.39	26.61		1519.2							
	OBS	00300	16.96	36.39	26.61		1520.0							
	OBS	00325	16.94	36.38	26.60		1520.4							
	OBS	00375	16.90	36.38	26.61		1521.1							
	OBS	00400	16.40	36.22	26.61		1519.8							
	OBS	00460	15.60	36.13	26.73		1518.2							
	OBS	00500	14.50	35.92	26.81		1515.1							
	OBS	00600	12.66	35.64	26.97		1510.4							
	OBS	00700	10.30	35.30	27.15		1503.4							
	OBS	00800	08.13	35.10	27.35		1496.7							
	OBS	00900	06.61	35.02	27.51		1492.4							
	OBS	00950	06.16	35.06	27.60		1491.5							
	OBS	01000	06.16	35.15	27.67		1492.4							
	OBS	01100	05.60	35.13	27.73		1491.8							
	OBS	01200	05.13	35.10	27.76		1491.5							
	OBS	01300	04.72	35.07	27.78		1491.5							
	OBS	01400	04.56	35.07	27.80		1492.5							
	OBS	01500	04.42	35.06	27.81		1493.6							

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REFID 31 8162 YEAR 1970 BOTDP 04389 AIR TEMP 17.3 OIR HGT PER WIND-DIR 29 INST STD RECDROER TEN SQ 1206  
 CONSEC 0008 MONTH 04 SHIP A1 WET BULB 13.5 SEA 31 2 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1016.9 CL/TR WIND-FGR DURATION 00.3 2 SQUARE 48  
 LONG 048 15 W HOUR 18.2 AREA 05 CLOUD T/A WEATHER X1 ORIG EQU 008 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.2	OBS	00000	16.58	36.36	26.58		1515.1							
	OBS	00010	16.95	36.36	26.55		1515.2							
	OBS	00020	16.94	36.36	26.55		1515.3							
	OBS	00030	16.94	36.36	26.55		1515.5							
	OBS	00050	16.91	36.36	26.60		1515.7							
	OBS	00075	16.89	36.36	26.60		1516.1							
	OBS	00100	16.85	36.37	26.61		1516.5							
	OBS	00125	16.89	36.37	26.61		1516.9							
	OBS	00150	16.91	36.37	26.60		1517.4							
	OBS	00200	16.92	36.38	26.61		1518.3							
	OBS	00250	16.92	36.38	26.61		1519.1							
	OBS	00283	16.92	36.38	26.61		1519.6							
	OBS	00300	16.76	36.33	26.61		1519.4							
	OBS	00400	15.86	36.17	26.70		1518.1							
	OBS	00410	15.59	36.12	26.72		1517.3							
	OBS	00430	15.81	36.21	26.74		1518.5							
	OBS	00500	14.52	35.94	26.82		1515.2							
	OBS	00600	12.42	35.57	26.97		1509.5							
	OBS	00700	10.07	35.29	27.19		1502.5							
	OBS	00800	07.77	35.06	27.38		1495.3							
	OBS	00900	06.53	35.11	27.59		1492.2							
	OBS	00930	06.56	35.12	27.55		1492.8							
	OBS	00935	06.36	35.15	27.63		1492.1							
	OBS	01000	06.00	35.14	27.66		1491.8							
	OBS	01100	05.50	35.13	27.74		1491.4							
	OBS	01200	05.02	35.10	27.77		1491.1							
	OBS	01300	04.70	35.07	27.75		1491.4							
	OBS	01400	04.50	35.06	27.82		1492.3							
	OBS	01500	04.30	35.07	27.83		1493.1							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BUTOP 04663 AIR TEMP 17.9 DIR HGT PER WIND-DIR 25 INST STD RECCORER TEN SQ 1206  
 CCNSEC 0009 MONTH 04 SHIP A1 WET BULB 14.8 31 4 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 04 DATA USE 1 BAROMETR 1015.6 SEA WIND-FOR DURATION 07.5 2 SQUARE 48  
 LONG 048 13 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 WGT ETD 009 1 SQUARE 38

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	LYN DPTH	SND VEL	OXYG	P04	TGT P	N02	N03	SIG3	PH
00.0	085	0000	16.51	36.37	26.60		1514.9							
	085	00010	16.91	36.37	26.60		1515.1							
	085	00020	16.91	36.38	26.61		1515.3							
	085	00030	16.88	36.38	26.62		1515.4							
	085	00050	16.88	36.38	26.62		1515.7							
	085	00075	16.88	36.38	26.62		1516.1							
	085	00100	16.88	36.38	26.62		1516.5							
	085	00125	16.88	36.38	26.62		1516.9							
	085	00150	16.90	36.39	26.62		1517.4							
	085	00200	16.91	36.39	26.62		1518.2							
	085	00250	16.90	36.39	26.62		1517.0							
	085	00300	16.90	36.39	26.62		1517.9							
	085	00330	16.88	36.39	26.63		1520.3							
	085	00400	16.08	36.24	26.70		1518.8							
	085	00443	15.52	36.11	26.73		1517.7							
	085	00450	15.34	36.09	26.75		1517.8							
	085	00500	14.78	35.96	26.78		1516.1							
	085	00600	12.98	35.66	26.93		1511.5							
	085	00700	10.75	35.35	27.11		1505.0							
	085	00800	08.05	35.07	27.34		1496.4							
	085	00900	06.81	35.07	27.52		1493.2							
	085	00990	06.12	35.08	27.62		1492.0							
	085	01000	06.23	35.15	27.66		1492.7							
	085	01100	05.72	35.13	27.71		1492.3							
	085	01200	05.21	35.11	27.76		1491.9							
	085	01300	04.90	35.09	27.78		1492.3							
	085	01400	04.50	35.06	27.80		1492.2							
	085	01500	04.33	35.06	27.82		1493.2							

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REFID 31 8162 YEAR 1970 BUTOP 04663 AIR TEMP 17.9 DIR HGT PER WIND-DIR 24 INST STD RECCORER TEN SQ 1206  
 CCNSEC 0010 MONTH 04 SHIP A1 WET BULB 15.2 27 2 4 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 04 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 07.4 2 SQUARE 48  
 LONG 048 14 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 WGT ETD 010 1 SQUARE 56

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	LYN DPTH	SND VEL	OXYG	P04	TGT P	N02	N03	SIG3	PH
06.1	085	0000	16.86	36.37	26.61		1514.8							
	085	00010	16.88	36.37	26.61		1515.0							
	085	00020	16.88	36.37	26.61		1515.2							
	085	00030	16.87	36.37	26.61		1515.5							
	085	00050	16.87	36.37	26.61		1515.6							
	085	00075	16.87	36.37	26.61		1516.0							
	085	00100	16.87	36.37	26.61		1516.5							
	085	00125	16.88	36.37	26.61		1516.9							
	085	00150	16.88	36.37	26.61		1517.3							
	085	00200	16.88	36.37	26.61		1518.1							
	085	00250	16.89	36.38	26.62		1519.0							
	085	00300	16.89	36.38	26.62		1519.8							
	085	00320	16.86	36.36	26.61		1520.0							
	085	00400	16.14	36.21	26.66		1519.0							
	085	00500	15.08	36.04	26.77		1517.1							
	085	00520	14.50	35.91	26.80		1515.5							
	085	00532	14.61	35.98	26.83		1516.1							
	085	00600	13.29	35.72	26.91		1512.6							
	085	00700	10.64	35.34	27.12		1504.6							
	085	00800	08.46	35.13	27.33		1496.0							
	085	00840	07.14	35.01	27.43		1493.4							
	085	00900	06.63	35.08	27.55		1492.5							
	085	00950	06.38	35.08	27.59		1492.4							
	085	00965	05.85	35.05	27.63		1490.5							
	085	01000	05.68	35.11	27.66		1491.2							
	085	01100	05.72	35.15	27.73		1492.3							
	085	01160	05.34	35.15	27.76		1491.6							
	085	01200	05.42	35.15	27.76		1492.8							
	085	01300	05.04	35.13	27.79		1492.9							
	085	01400	04.51	35.07	27.81		1492.3							
	085	01500	04.44	35.07	27.82		1493.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BGTOP 03298 AIR TEMP 17.9 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 04 SHIP A1 WET BULB 14.6 WIND-SPD 26 TRACE DIR 0 5 SQUARE 4  
 LAT 35 14 N DAY 04 DATA USE 1 BAROMETR 1010.2 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 12.2 AREA 05 CLCUD T/A CL/TR WEATHER X2 ORIG E40 011 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	CLNOPTH	SND VEL	XYG	PD4	TGT P	NO2	NO3	SID3	PH
12.2	OBS	00000	16.75	36.35	26.63		1514.4							
	OBS	00010	16.75	36.34	26.62		1514.5							
	OBS	00020	16.75	36.34	26.62		1514.7							
	OBS	00030	16.74	36.34	26.62		1514.9							
	OBS	00050	16.73	36.34	26.62		1515.2							
	OBS	00075	16.71	36.35	26.64		1515.5							
	OBS	00100	16.71	36.35	26.64		1516.0							
	OBS	00125	16.71	36.35	26.64		1516.4							
	OBS	00150	16.72	36.35	26.63		1516.8							
	OBS	00190	16.69	36.34	26.63		1517.4							
	OBS	00200	16.57	36.30	26.63		1517.1							
	OBS	00220	16.29	36.24	26.65		1516.5							
	OBS	00250	16.35	36.27	26.66		1517.2							
	OBS	00300	15.86	36.16	26.69		1516.4							
	OBS	00330	15.67	36.16	26.73		1516.5							
	OBS	00400	14.15	35.82	26.81		1512.2							
	OBS	00500	12.65	35.63	26.97		1503.7							
	OBS	00600	10.38	35.30	27.14		1502.0							
	OBS	00700	08.66	35.12	27.29		1497.1							
	OBS	00800	06.79	35.06	27.52		1491.5							
	OBS	00836	06.54	35.06	27.55		1491.1							
	OBS	00875	06.48	35.08	27.57		1491.5							
	OBS	00900	05.98	35.05	27.62		1489.9							
	OBS	00965	05.67	35.06	27.66		1489.8							
	OBS	00985	05.84	35.12	27.65		1490.9							
	OBS	01000	05.75	35.10	27.68		1490.7							
	OBS	01100	05.56	35.15	27.75		1491.7							
	OBS	01200	05.06	35.10	27.77		1491.3							
	OBS	01300	04.57	35.06	27.79		1490.9							
	OBS	01400	04.29	35.05	27.82		1491.4							
	OBS	01500	04.07	35.05	27.84		1492.1							

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REFID 31 8162 YEAR 1970 BGTOP 02377 AIR TEMP 18.4 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 04 SHIP A1 WET BULB 15.2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 04 DATA USE 1 BAROMETR 1011.2 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 10 W HOUR 18.0 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E40 012 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	CLNOPTH	SND VEL	XYG	PD4	TGT P	NO2	NO3	SID3	PH
18.0	OBS	00000	16.88	36.36	26.60		1514.8							
	OBS	00010	16.88	36.36	26.60		1515.0							
	OBS	00020	16.88	36.36	26.60		1515.2							
	OBS	00030	16.88	36.37	26.61		1515.3							
	OBS	00050	16.89	36.37	26.61		1515.7							
	OBS	00075	16.88	36.37	26.61		1516.1							
	OBS	00100	16.88	36.37	26.61		1516.5							
	OBS	00125	16.87	36.37	26.61		1516.9							
	OBS	00150	16.87	36.37	26.61		1517.3							
	OBS	00200	16.88	36.37	26.61		1518.1							
	OBS	00250	16.88	36.38	26.62		1519.0							
	OBS	00275	16.85	36.37	26.62		1519.3							
	OBS	00300	16.65	36.33	26.64		1519.0							
	OBS	00345	16.28	36.21	26.63		1518.5							
	OBS	00400	15.33	36.03	26.71		1516.3							
	OBS	00430	14.89	35.98	26.77		1515.3							
	OBS	00450	14.18	35.76	26.75		1513.1							
	OBS	00490	14.01	35.85	26.86		1513.3							
	OBS	00500	13.73	35.78	26.86		1512.5							
	OBS	00600	11.83	35.48	27.01		1507.3							
	OBS	00700	09.48	35.20	27.22		1500.2							
	OBS	00800	07.49	35.06	27.42		1494.2							
	OBS	00815	07.49	35.05	27.41		1494.4							
	OBS	00880	06.27	35.00	27.54		1490.7							
	OBS	00900	06.40	35.12	27.62		1491.7							
	OBS	00930	06.19	35.08	27.61		1491.3							
	OBS	00950	06.30	35.13	27.64		1492.1							
	OBS	01000	06.03	35.12	27.66		1491.9							
	OBS	01100	05.37	35.09	27.72		1490.8							
	OBS	01200	04.94	35.07	27.76		1490.7							
	OBS	01300	04.61	35.04	27.77		1491.0							
	OBS	01400	04.32	35.03	27.80		1491.5							
	OBS	01500	04.19	35.03	27.81		1492.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BDTOP 04755 AIR TEMP 16.6 OIR HGT PER WIND-OIR 30 INST STD RECCROER TEN SQ 1206  
 CONSEC 0013 MGNTH 04 SHIP A1 WET BULB 13.6 29 2 3 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1014.9 SEA WIND-FDR DURATION 00.3 2 SQUARE 46  
 LONG 047 52 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E40 013 1 SQUARE 57

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
00.2	DBS	00000	16.89	36.36	26.60		1514.9							
	DBS	00010	16.88	36.36	26.60		1515.0							
	DBS	00020	16.88	36.37	26.61		1515.2							
	DBS	00030	16.88	36.37	26.61		1515.3							
	DBS	00050	16.88	36.37	26.61		1515.7							
	DBS	00075	16.88	36.37	26.61		1516.1							
	DBS	00100	16.88	36.37	26.61		1516.5							
	DBS	00125	16.88	36.37	26.61		1516.9							
	DBS	00150	16.88	36.37	26.61		1517.3							
	DBS	00200	16.88	36.38	26.62		1518.1							
	DBS	00250	16.86	36.37	26.62		1518.9							
	DBS	00280	16.26	36.23	26.65		1517.4							
	DBS	00300	16.41	36.30	26.67		1518.3							
	DBS	00318	16.33	36.29	26.68		1516.3							
	DBS	00350	15.41	36.07	26.72		1515.7							
	DBS	00360	15.68	36.17	26.74		1516.9							
	DBS	00400	15.07	36.04	26.78		1515.5							
	DBS	00500	13.33	35.70	26.89		1511.0							
	DBS	00600	11.30	35.99	27.04		1505.4							
	DBS	00700	08.78	35.11	27.26		1497.5							
	DBS	00800	06.89	35.03	27.48		1491.8							
	DBS	00900	05.99	35.03	27.60		1489.9							
	DBS	00930	05.89	35.07	27.64		1490.1							
	DBS	00970	05.99	35.13	27.68		1491.2							
	DBS	01000	05.79	35.13	27.70		1490.9							
	DBS	01100	05.20	35.10	27.75		1490.2							
	DBS	01100	04.90	35.09	27.78		1490.6							
	DBS	01300	04.64	35.06	27.75		1491.1							
	DBS	01375	04.32	35.03	27.80		1491.0							
	DBS	01400	04.44	35.06	27.81		1492.0							
	DBS	01500	04.20	35.05	27.83		1492.7							

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REFID 31 8162 YEAR 1970 BDTOP 04709 AIR TEMP 16.9 OIR HGT PER WIND-OIR 27 INST STD RECCROER TEN SQ 1206  
 CONSEC 0014 MGNTH 04 SHIP A1 WET BULB 13.2 30 2 4 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 05 DATA USE 1 BAROMETR 1014.9 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 09 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E40 014 1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIO3	PH
06.0	DBS	00000	16.90	36.36	26.60		1514.9							
	DBS	00010	16.90	36.36	26.60		1515.1							
	DBS	00020	16.90	36.36	26.60		1515.2							
	DBS	00030	16.89	36.37	26.61		1515.4							
	DBS	00050	16.89	36.37	26.61		1515.7							
	DBS	00075	16.88	36.37	26.61		1516.1							
	DBS	00100	16.88	36.37	26.61		1516.5							
	DBS	00125	16.88	36.37	26.61		1516.9							
	DBS	00150	16.88	36.37	26.61		1517.3							
	DBS	00200	16.89	36.38	26.62		1518.2							
	DBS	00250	16.86	36.36	26.61		1518.9							
	DBS	00300	16.59	36.30	26.63		1518.6							
	DBS	00350	15.90	36.17	26.67		1517.6							
	DBS	00400	15.10	36.00	26.74		1515.5							
	DBS	00430	14.81	35.99	26.79		1515.1							
	DBS	00500	13.73	35.79	26.67		1512.5							
	DBS	00600	11.22	35.41	27.07		1505.1							
	DBS	00700	08.89	35.12	27.25		1498.0							
	DBS	00800	06.88	35.03	27.48		1491.0							
	DBS	00870	06.10	35.03	27.58		1489.9							
	DBS	00900	06.23	35.11	27.63		1491.0							
	DBS	01000	05.71	35.12	27.71		1490.6							
	DBS	01100	05.20	35.09	27.74		1490.1							
	DBS	01200	04.99	35.09	27.77		1490.9							
	DBS	01290	04.68	35.05	27.77		1491.1							
	DBS	01300	04.75	35.07	27.78		1491.6							
	DBS	01400	04.50	35.06	27.80		1492.2							
	DBS	01500	04.30	35.05	27.82		1493.1							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTOP 02377	AIR TEMP 18.4	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 04	SHIP AI	WET BULB 14.3	29 3 3	WIND-SPD 09	TRACE DIR 0	5 SQUARE 2
LAT 34 59 N	DAY 05	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FUR	DURATION 00.7	2 SQUARE 48
LONG 048 02 W	HRUR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	GRIG E40 015	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	DBS	00000	16.94	36.36	26.59		1515.0							
	DBS	00010	16.92	36.36	26.55		1515.1							
	DBS	00020	16.90	36.35	26.59		1515.2							
	DBS	00030	16.88	36.35	26.60		1515.3							
	DBS	00050	16.85	36.35	26.60		1515.6							
	DBS	00075	16.75	36.31	26.60		1515.6							
	DBS	00100	16.78	36.34	26.61		1516.1							
	DBS	00125	16.78	36.35	26.62		1516.6							
	DBS	00150	16.79	36.35	26.62		1517.0							
	DBS	00180	16.76	36.35	26.62		1517.4							
	DBS	00200	16.40	36.27	26.65		1516.6							
	DBS	00250	16.30	36.26	26.66		1517.1							
	DBS	00300	15.80	36.13	26.68		1516.2							
	DBS	00400	14.39	35.87	26.79		1513.1							
	DBS	00435	13.49	35.70	26.85		1510.5							
	DBS	00465	13.37	35.73	26.90		1510.6							
	DBS	00500	12.84	35.64	26.94		1509.3							
	DBS	00600	11.09	35.40	27.09		1504.7							
	DBS	00700	09.00	35.14	27.25		1498.4							
	DBS	00800	07.25	35.06	27.45		1493.3							
	DBS	00870	06.13	35.00	27.56		1489.9							
	DBS	00900	06.04	35.07	27.62		1490.2							
	DBS	00965	06.00	35.11	27.66		1491.1							
	DBS	01000	05.74	35.10	27.65		1490.7							
	DBS	01035	05.41	35.09	27.72		1489.9							
	DBS	01100	05.23	35.08	27.73		1490.2							
	DBS	01200	04.97	35.08	27.76		1490.9							
	DBS	01235	04.95	35.07	27.76		1491.3							
	DBS	01260	04.58	35.04	27.78		1490.2							
	DBS	01300	04.50	35.04	27.75		1490.5							
	DBS	01400	04.27	35.01	27.79		1491.2							
	DBS	01500	04.12	35.01	27.80		1492.3							

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REFID 31 8162	YEAR 1970	BOTOP 04755	AIR TEMP 20.4	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 04	SHIP AI	WET BULB 14.6	30 3 2	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 34 57 N	DAY 05	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 48
LONG 048 06 W	HRUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	GRIG E40 016	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
18.0	DBS	00000	16.83	36.34	26.60		1514.7							
	DBS	00010	16.81	36.34	26.60		1514.8							
	DBS	00020	16.81	36.34	26.60		1514.9							
	DBS	00030	16.81	36.34	26.60		1515.1							
	DBS	00050	16.81	36.34	26.60		1515.4							
	DBS	00075	16.81	36.35	26.61		1515.8							
	DBS	00100	16.81	36.34	26.60		1516.2							
	DBS	00125	16.80	36.34	26.61		1516.6							
	DBS	00150	16.79	36.34	26.61		1517.0							
	DBS	00200	16.78	36.34	26.61		1517.8							
	DBS	00216	16.77	36.33	26.61		1518.0							
	DBS	00250	16.21	36.21	26.65		1516.7							
	DBS	00270	15.86	36.12	26.66		1515.9							
	DBS	00300	15.79	36.14	26.65		1516.2							
	DBS	00315	15.76	36.14	26.70		1516.3							
	DBS	00400	14.90	35.93	26.73		1514.8							
	DBS	00465	13.34	35.72	26.90		1510.5							
	DBS	00500	13.05	35.69	26.93		1510.1							
	DBS	00525	12.86											
	DBS	00600	11.11	35.39	27.08		1504.7							
	DBS	00700	08.93	35.14	27.26		1498.1							
	DBS	00800	07.11	35.02	27.44		1492.7							
	DBS	00820	06.50	35.00	27.51		1490.6							
	DBS	00880	06.19	35.03	27.57		1490.4							
	DBS	00900	06.21	35.08	27.61		1490.9							
	DBS	01000	05.71	35.09	27.68		1490.5							
	DBS	01100	05.19	35.07	27.73		1490.1							
	DBS	01200	04.86	35.05	27.75		1490.4							
	DBS	01300	04.60	35.04	27.77		1491.0							
	DBS	01400	04.31	35.01	27.78		1491.4							
	DBS	01500	04.21	35.02	27.80		1492.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BCTDP 03475 AIR TEMP 17.4 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 04 SHIP A1 WET BULB 11.4 34 3 3 WIND-SPD 07 TRACE DIR D 5 SQUARE 4  
 LAT 25 03 N DAY 06 DATA USE 1 AREA 05 RAKE METR 1016.6 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 19 W HOUR 00.2 CLUTR CLUTR WEATHER X1 ORIG F40 C17 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNV VEL	UXYG	PD4	TGT P	NU2	NU3	SIG3	PH
00.2	UBS	00000	17.15	36.36	26.54		1515.6							
	UBS	00010	17.15	36.38	26.55		1515.6							
	UBS	00020	17.15	36.38	26.55		1516.0							
	UBS	00030	17.14	36.38	26.56		1516.1							
	UBS	00050	16.91	36.39	26.55		1515.8							
	UBS	00075	16.91	36.39	26.55		1516.1							
	UBS	00100	16.91	36.39	26.55		1516.0							
	UBS	00125	16.50	36.46	26.60		1516.4							
	UBS	00150	16.87	36.36	26.61		1517.3							
	UBS	00180	16.86	36.36	26.61		1516.1							
	UBS	00250	16.83	36.36	26.62		1516.8							
	UBS	00270	16.81	36.35	26.61		1519.0							
	UBS	00300	16.53	36.28	26.63		1518.6							
	UBS	00400	16.57	36.11	26.72		1517.1							
	UBS	00450	15.52	36.11	26.73		1517.4							
	UBS	00500	14.12	35.82	26.81		1513.8							
	UBS	00600	12.52	35.58	26.96		1509.8							
	UBS	00700	10.47	35.31	27.15		1503.6							
	UBS	00800	07.82	35.05	27.36		1493.5							
	UBS	00900	06.50	35.02	27.52		1491.4							
	UBS	00960	06.13	35.00	27.60		1491.2							
	UBS	01000	06.12	35.13	27.66		1492.2							
	UBS	01100	05.64	35.11	27.71		1491.9							
	UBS	01200	05.18	35.04	27.75		1491.7							
	UBS	01300	04.82	35.07	27.77		1491.4							
	UBS	01345	04.51	35.04	27.78		1491.3							
	UBS	01400	04.46	35.04	27.75		1492.0							
	UBS	01500	04.34	35.04	27.80		1493.2							

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REFID 31 8162 YEAR 1970 BCTDP 02926 AIR TEMP 17.3 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0018 MONTH 04 SHIP A1 WET BULB 11.4 34 3 4 WIND-SPD 15 TRACE DIR D 5 SQUARE 4  
 LAT 35 01 N DAY 06 DATA USE 1 AREA 05 RAKE METR 1014.6 SEA WIND-FUR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 00.0 CLUTR CLUTR WEATHER X2 ORIG F40 C16 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNV VEL	UXYG	PD4	TGT P	NU2	NU3	SIG3	PH
00.0	UBS	00000	17.19	36.37	26.54		1515.8							
	UBS	00010	17.18	36.37	26.54		1515.4							
	UBS	00020	17.16	36.38	26.55		1516.1							
	UBS	00030	17.18	36.39	26.55		1516.3							
	UBS	00050	17.18	36.37	26.55		1516.6							
	UBS	00075	17.13	36.38	26.56		1515.8							
	UBS	00100	17.07	36.37	26.57		1517.1							
	UBS	00125	16.99	36.36	26.58		1517.2							
	UBS	00150	16.92	36.35	26.59		1517.4							
	UBS	00200	16.65	36.30	26.61		1517.3							
	UBS	00250	16.45	36.27	26.64		1517.3							
	UBS	00300	16.02	36.19	26.68		1516.4							
	UBS	00320	15.54	36.10	26.72		1515.7							
	UBS	00350	15.51	36.10	26.72		1516.1							
	UBS	00400	14.96	35.81	26.78		1513.1							
	UBS	00500	13.62	35.78	26.85		1512.1							
	UBS	00600	11.77	35.56	27.04		1507.2							
	UBS	00700	09.35	35.16	27.21		1499.6							
	UBS	00800	07.40	35.05	27.42		1493.8							
	UBS	00870	06.44	35.04	27.55		1491.3							
	UBS	00882	06.22	35.02	27.56		1490.5							
	UBS	00900	06.18	35.03	27.57		1490.7							
	UBS	00919	06.17	35.04	27.58		1491.0							
	UBS	00942	05.67	35.05	27.62		1490.2							
	UBS	00975	05.82	35.08	27.66		1490.6							
	UBS	00996	05.44	35.11	27.67		1491.3							
	UBS	01000	05.85	35.10	27.67		1491.1							
	UBS	01025	05.86	35.12	27.65		1491.0							
	UBS	01100	05.47	35.10	27.72		1491.2							
	UBS	01200	04.99	35.07	27.75		1490.4							
	UBS	01300	04.71	35.06	27.78		1491.4							
	UBS	01400	04.30	35.02	27.79		1491.4							
	UBS	01500	04.13	35.02	27.81		1492.3							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04572 AIR TEMP 16.5 OIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 04 SHIP AI WET BULB 15.9 31 2 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1015.2 SEA WIND-FPK DURATION 00.4 2 SQUARE 48  
 LONG 048 08 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG EQ 019 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	17.69	36.36	26.57		1515.5							
	08S	00010	17.09	36.39	26.56		1515.7							
	08S	00020	17.09	36.39	26.56		1515.8							
	08S	00030	17.09	36.39	26.56		1516.0							
	08S	00050	17.09	36.40	26.56		1516.3							
	08S	00075	17.09	36.40	26.56		1516.7							
	08S	00100	16.89	36.37	26.61		1516.5							
	08S	00125	16.89	36.37	26.61		1516.9							
	08S	00150	16.87	36.36	26.61		1517.3							
	08S	00200	16.85	36.37	26.62		1518.0							
	08S	00250	16.80	36.36	26.62		1518.7							
	08S	00300	16.30	36.24	26.65		1517.9							
	08S	00400	15.40	36.11	26.76		1516.6							
	08S	00500	13.75	35.81	26.88		1512.6							
	08S	00600	12.06	35.54	27.01		1508.2							
	08S	00700	09.51	35.20	27.21		1500.2							
	08S	00800	07.61	35.06	27.40		1494.7							
	08S	00900	06.33	35.03	27.55		1491.3							
	08S	00910	06.31	35.03	27.56		1491.2							
	08S	00920	06.50	35.12	27.60		1492.4							
	08S	01000	06.02	35.11	27.66		1491.6							
	08S	01100	05.53											
	08S	01200	05.12											
	08S	01300	4.77											
	08S	01400	04.58											
	08S	01500	04.44											

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REFID 31 8162 YEAR 1970 BOTOP 04846 AIR TEMP 18.5 OIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 04 SHIP AI WET BULB 15.9 25 2 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 06 DATA USE 1 BAROMETR 1016.9 SEA WIND-FPK DURATION 00.5 2 SQUARE 48  
 LONG 048 01 W HOUR 15.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG EQ 020 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
15.1	08S	00000	17.13	36.39	26.57		1515.6							
	08S	00010	17.13	36.39	26.57		1515.8							
	08S	00020	17.13	36.39	26.57		1515.9							
	08S	00030	17.13	36.39	26.57		1516.1							
	08S	00050	17.13	36.40	26.57		1516.4							
	08S	00075	17.13	36.40	26.57		1516.9							
	08S	00100	17.10	36.39	26.57		1517.2							
	08S	00125	16.91	36.36	26.60		1517.0							
	08S	00150	16.86	36.35	26.60		1517.2							
	08S	00200	16.65	36.31	26.62		1517.4							
	08S	00250	16.34	36.25	26.65		1517.2							
	08S	00270	16.12	36.20	26.66		1516.8							
	08S	00285	16.20	36.24	26.67		1517.3							
	08S	00300	16.11	36.21	26.67		1517.2							
	08S	00340	15.67	36.13	26.71		1516.4							
	08S	00400	15.44	36.10	26.74		1516.7							
	08S	00500	13.35	35.73	26.90		1511.1							
	08S	00600	11.74	35.50	27.05		1507.0							
	08S	00700	09.33	35.18	27.22		1499.7							
	08S	00748	08.48	35.14	27.33		1497.2							
	08S	00800	07.33	35.05	27.43		1493.6							
	08S	00850	06.43	35.01	27.52		1491.0							
	08S	00900	06.38	35.09	27.59		1491.6							
	08S	00935	06.28	35.13	27.64		1491.8							
	08S	00950	06.02	35.08	27.63		1490.9							
	08S	01000	06.02	35.12	27.67		1491.3							
	08S	01100	05.44	35.10	27.72		1491.1							
	08S	01200	05.02	35.07	27.75		1491.0							
	08S	01300	04.70	35.05	27.77		1491.4							
	08S	01365	04.40	35.04	27.80		1491.2							
	08S	01400	04.52	35.05	27.75		1492.3							
	08S	01500	04.33	35.02	27.79		1493.2							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BUOY 05029 AIR TEMP 15.7 DIR HGT PER WIND-DIR 03 INST STD FECCORDEP TEN SQ 1206  
 CONSEC 0021 MUNTH 04 SHIP AI WET BULB 13.1 31 2 3 WIND-SPD 10 TRALE DIR J 5 SQUARE 2  
 LAT 34 57 N DAY 07 DATA USE 1 SARGMETR 1020.0 SEA 1216.2 WIND-FOR 00.4 DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 00.0 AREA 05 CLCUD T/A CL/TR WEATHER X2 DRIG 540 021 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SWD VEL	DRYG	P34	TCT P	NDL	NG3	S103	PH
00.0	UBS	00000	16.92	36.37	26.60		1515.0							
	UBS	00010	16.92	36.37	26.60		1515.1							
	UBS	00020	16.85	36.37	26.62		1515.1							
	UBS	00030	16.82	36.36	26.62		1515.1							
	UBS	00050	16.81	36.36	26.62		1515.1							
	UBS	00075	16.80	36.36	26.62		1515.8							
	UBS	00100	16.80	36.36	26.62		1516.2							
	UBS	00125	16.80	36.36	26.62		1516.6							
	UBS	00150	16.71	36.36	26.63		1516.9							
	UBS	00180	16.70	36.34	26.63		1517.2							
	UBS	00200	16.46	36.26	26.63		1516.7							
	UBS	00225	16.41	36.28	26.65		1517.0							
	UBS	00250	16.12	36.22	26.66		1516.9							
	UBS	00300	15.62	36.13	26.72		1515.6							
	UBS	00330	15.76	36.20	26.74		1516.7							
	UBS	00400	14.65	35.97	26.81		1514.0							
	UBS	00450	14.34	35.93	26.85		1513.8							
	UBS	00500	13.41	35.68	26.85		1511.3							
	UBS	00600	11.73	35.44	27.04		1507.0							
	UBS	00700	09.62	35.22	27.21		1500.0							
	UBS	00750	08.41	35.05	27.27		1496.9							
	UBS	00800	07.42	35.00	27.40		1493.4							
	UBS	00880	06.34	35.06	27.58		1491.0							
	UBS	00900	06.41	35.10	27.60		1491.7							
	UBS	00909	06.26	35.10	27.62		1491.2							
	UBS	00940	06.28	35.13	27.64		1491.4							
	UBS	01000	05.94	35.12	27.68		1491.5							
	UBS	01100	05.31	35.08	27.72		1490.6							
	UBS	01200	04.97	35.08	27.76		1490.9							
	UBS	01300	04.72	35.07	27.76		1491.5							
	UBS	01400	04.38	35.03	27.75		1491.7							
	UBS	01500	04.14	35.02	27.81		1492.4							

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REFID 34 8162 YEAR 1970 BUOY 04936 AIR TEMP 16.2 DIR HGT PER WIND-DIR 10 INST STD FECCORDEP TEN SQ 1206  
 CONSEC 0022 MUNTH 04 SHIP AI WET BULB 13.7 31 2 3 WIND-SPD 10 TRALE DIR L 5 SQUARE 7  
 LAT 34 48 N DAY 07 DATA USE 1 SARGMETR 1017.5 SEA 1216.2 WIND-FOR 00.4 DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 06.1 AREA 05 CLCUD T/A CL/TR WEATHER X2 DRIG 540 022 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SWD VEL	DRYG	P34	TCT P	NDL	NG3	S103	PH
06.1	UBS	00000	16.95	36.38	26.60		1515.1							
	UBS	00010	16.94	36.38	26.60		1515.2							
	UBS	00020	16.93	36.38	26.61		1515.3							
	UBS	00030	16.93	36.38	26.61		1515.5							
	UBS	00050	16.90	36.37	26.61		1515.7							
	UBS	00075	16.84	36.37	26.62		1516.0							
	UBS	00100	16.83	36.36	26.62		1516.3							
	UBS	00125	16.81	36.36	26.62		1516.7							
	UBS	00150	16.80	36.36	26.62		1517.1							
	UBS	00200	16.79	36.37	26.63		1517.4							
	UBS	00250	16.74	36.36	26.64		1518.9							
	UBS	00278	16.70	36.36	26.65		1518.4							
	UBS	00300	16.35	36.27	26.66		1518.0							
	UBS	00338	16.23	36.26	26.68		1518.3							
	UBS	00400	15.17	36.00	26.72		1515.7							
	UBS	00480	14.31	35.69	26.83		1514.2							
	UBS	00500	13.74	35.79	26.87		1512.5							
	UBS	00600	11.91	35.50	27.01		1507.6							
	UBS	00700	09.73	35.23	27.20		1501.2							
	UBS	00800	07.11	35.03	27.45		1492.7							
	UBS	00845	06.41	35.01	27.53		1490.7							
	UBS	00880	06.41	35.08	27.58		1491.3							
	UBS	00900	06.26	35.08	27.60		1491.1							
	UBS	00909	06.04	35.05	27.60		1490.6							
	UBS	01000	05.40	35.12	27.68		1491.3							
	UBS	01100	05.42	35.10	27.73		1491.0							
	UBS	01200	04.96	35.06	27.75		1490.8							
	UBS	01300	04.72	35.05	27.77		1491.5							
	UBS	01400	04.48	35.04	27.75		1492.1							
	UBS	01500	04.22	35.03	27.81		1492.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04297 AIR TEMP 15.8 DIR HGT PER WIND-DIR 14 INST STD RECCORDER TEN SQ 1206  
 CONSEC 0023 MONTH 04 SHIP A1 WET BULB 12.9 S2 2 3 WIND-SPD 21 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1014.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 07 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 023 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
	08S	00000	16.89	36.37	26.61		1514.9							
	08S	00010	16.88	36.37	26.61		1515.0							
	08S	00020	16.89	36.37	26.61		1515.2							
	08S	00030	16.89	36.37	26.61		1515.4							
	08S	00050	16.89	36.37	26.61		1515.7							
	08S	00075	16.89	36.37	26.61		1516.1							
	08S	00100	16.90	36.37	26.61		1516.5							
	08S	00125	16.91	36.37	26.60		1517.0							
	08S	00150	16.91	36.37	26.60		1517.4							
	08S	00200	16.91	36.37	26.60		1518.2							
	08S	00250	16.90	36.37	26.61		1519.0							
	08S	00280	16.82	36.35	26.61		1519.2							
	08S	00300	16.57	36.28	26.62		1518.7							
	08S	00400	15.32	36.04	26.72		1516.2							
	08S	00500	13.52	35.75	26.88		1511.7							
	08S	00600	11.42	35.44	27.06		1505.9							
	08S	00700	09.36	35.20	27.23		1499.9							
	08S	00800	07.03	35.04	27.47		1492.4							
	08S	00850	06.76	35.05	27.51		1492.2							
	08S	00900	06.11	35.02	27.58		1490.4							
	08S	01000	05.83	35.11	27.68		1491.0							
	08S	01100	05.45	35.10	27.72		1491.2							
	08S	01140	05.43	35.11	27.73		1491.8							
	08S	01200	05.06	35.09	27.76		1491.3							
	08S	01300	04.89	35.06	27.77		1492.2							
	08S	01400	04.54	35.03	27.77		1492.4							
	08S	01500	04.24	35.01	27.79		1492.8							

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REFID 31 8162 YEAR 1970 BOTOP 01829 AIR TEMP 19.0 DIR HGT PER WIND-DIR 23 INST STD RECCORDER TEN SQ 1206  
 CONSEC 0024 MONTH 04 SHIP A1 WET BULB 16.3 17 3 2 WIND-SPD 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 07 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E40 024 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.0	08S	00000	17.00	36.37	26.58		1515.2							
	08S	00010	16.99	36.38	26.59		1515.4							
	08S	00020	16.98	36.38	26.59		1515.5							
	08S	00030	16.96	36.39	26.61		1515.6							
	08S	00050	16.95	36.39	26.61		1515.9							
	08S	00075	16.96	36.39	26.61		1516.3							
	08S	00100	16.94	36.39	26.61		1516.7							
	08S	00125	16.93	36.39	26.61		1517.1							
	08S	00150	16.93	36.39	26.61		1517.5							
	08S	00200	16.92	36.38	26.61		1518.3							
	08S	00250	16.83	36.36	26.62		1518.8							
	08S	00300	16.74	36.35	26.63		1519.3							
	08S	00400	15.85	36.17	28.70		1518.0							
	08S	00500	14.33	35.91	26.84		1514.6							
	08S	00600	12.24	35.58	27.01		1508.9							
	08S	00700	10.24	35.30	27.16		1503.1							
	08S	00800	07.75	35.05	27.37		1495.2							
	08S	00850	06.90	35.00	27.45		1492.7							
	08S	00900	06.74	35.03	27.50		1492.9							
	08S	00965	05.81	35.01	27.61		1490.3							
	08S	00980	06.03	35.11	27.66		1491.5							
	08S	01000	05.95	35.16	27.71		1491.6							
	08S	01100	05.36	35.09	27.72		1490.8							
	08S	01200	04.97	35.06	27.75		1490.8							
	08S	01300	04.68	35.04	27.77		1491.3							
	08S	01400	04.58	35.05	27.78		1492.6							
	08S	01500	04.53	35.04	27.78		1494.0							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04572 AIR TEMP 17.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MCNTH 04 SHIP AI WET BULB 13.9 15 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N OAY 08 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 15 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 025 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	S103	PH
00.3	OBS	0000	17.07	36.37	26.57		1515.4							
	OBS	0010	17.07	36.38	26.57		1515.6							
	OBS	0020	17.07	36.38	26.57		1515.8							
	OBS	0030	17.01	36.38	26.59		1515.7							
	OBS	0050	16.95	36.37	26.59		1515.9							
	OBS	0075	16.91	36.37	26.60		1516.2							
	OBS	0100	16.90	36.37	26.61		1516.5							
	OBS	0125	16.88	36.36	26.60		1515.9							
	OBS	0150	16.83	36.36	26.62		1517.1							
	OBS	0200	16.82	36.35	26.61		1517.9							
	OBS	0215	16.83	36.36	26.62		1518.2							
	OBS	0250	16.53	36.29	26.63		1517.8							
	OBS	0300	16.42	36.27	26.64		1518.3							
	OBS	0330	16.39	36.28	26.66		1518.7							
	OBS	0400	15.40	36.09	26.74		1516.5							
	OBS	0500	13.73	35.81	26.89		1512.5							
	OBS	0600	11.61	35.50	27.07		1506.6							
	OBS	0700	08.62	35.10	27.28		1496.9							
	OBS	0760	07.21	35.00	27.41		1492.4							
	OBS	0800	06.85	35.05	27.50		1491.7							
	OBS	0900	05.93	35.02	27.60		1489.7							
	OBS	0935	05.69	35.03	27.64		1489.3							
	OBS	0980	06.01	35.14	27.68		1491.5							
	OBS	1000	05.92	35.13	27.65		1491.4							
	OBS	1100	05.36	35.09	27.72		1490.8							
	OBS	1200	04.92	35.06	27.75		1490.6							
	OBS	1300	04.73	35.06	27.78		1491.5							
	OBS	1400	04.55	35.04	27.78		1492.4							
	OBS	1500	04.27	35.03	27.80		1492.9							

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REFID 31 8162 YEAR 1970 BOTOP 04938 AIR TEMP 18.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0026 MCNTH 04 SHIP AI WET BULB 15.6 15 2 4 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 55 N OAY 08 DATA USE 1 BAROMETR 1010.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 047 40 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 026 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	S103	PH
06.0	OBS	0000	16.89	36.36	26.60		1514.9							
	OBS	0010	16.88	36.36	26.60		1515.0							
	OBS	0020	16.87	36.36	26.61		1515.1							
	OBS	0030	16.86	36.36	26.61		1515.3							
	OBS	0050	16.84	36.37	26.62		1515.5							
	OBS	0075	16.81	36.36	26.62		1515.9							
	OBS	0100	16.75	36.36	26.63		1515.1							
	OBS	0125	16.73	36.36	26.64		1516.4							
	OBS	0150	16.71	36.35	26.64		1516.0							
	OBS	0160	16.70	36.35	26.64		1516.9							
	OBS	0200	16.13	36.23	26.68		1515.7							
	OBS	0250	15.73	36.16	26.72		1515.2							
	OBS	0280	15.74	36.19	26.74		1515.8							
	OBS	0300	15.54	36.14	26.75		1515.4							
	OBS	0400	14.02	35.84	26.85		1511.8							
	OBS	0500	12.73	35.65	26.97		1509.0							
	OBS	0600	10.64	35.35	27.13		1503.0							
	OBS	0700	08.56	35.15	27.33		1496.8							
	OBS	0770	06.76	35.01	27.48		1490.8							
	OBS	0800	06.65	35.06	27.53		1490.9							
	OBS	0900	05.54	35.01	27.64		1488.1							
	OBS	0980	05.06	35.02	27.71		1487.5							
	OBS	1000	05.11	35.04	27.72		1488.0							
	OBS	1100	04.75	35.02	27.74		1488.2							
	OBS	1120	04.54	34.99	27.74		1487.6							
	OBS	1200	04.48	35.01	27.76		1489.7							
	OBS	1300	04.40	35.02	27.78		1490.1							
	OBS	1400	04.44	35.05	27.80		1492.0							
	OBS	1500	04.36	35.06	27.82		1493.3							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04297 AIR TEMP 19.1 OIR HGT PER WIND-OIR 20 INST STO RECGRDER TEN SQ 1206  
 CONSEC 0027 MONTH 04 SHIP A1 WET BULB 15.7 23 2 3 WIND-SPO 20 TRACE OIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 08 DATA USE 1 BARMETR 1008.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 52 W HOUR 12.1 AREA 05 CLOUD T/A CL/T/R WEATHER X1 ORIG E40 027 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	SIO3	PH
12.1	085	00000	16.92	36.35	26.59		1514.9							
	085	00010	16.92	36.35	26.55		1515.1							
	085	00020	16.92	36.35	26.55		1515.3							
	085	00030	16.92	36.35	26.59		1515.4							
	085	00050	16.91	36.37	26.60		1515.8							
	085	00075	16.91	36.37	26.60		1516.2							
	085	00100	16.91	36.37	26.60		1516.6							
	085	00125	16.91	36.37	26.60		1517.0							
	085	00150	16.91	36.37	26.60		1517.4							
	085	00170	16.91	36.37	26.60		1517.7							
	085	00200	16.64	36.32	26.63		1517.3							
	085	00250	16.44	36.29	26.65		1517.5							
	085	00300	15.94	36.19	26.65		1513.7							
	085	00400	14.66	35.57	26.81		1514.1							
	085	00500	12.74	35.64	26.96		1509.0							
	085	00580	11.40	35.45	27.07		1505.5							
	085	00585	10.50	35.33	27.14		1502.2							
	085	00600	10.37	35.33	27.16		1502.0							
	085	00700	08.45	35.11	27.31		1456.3							
	085	00770	06.77	35.02	27.49		1450.8							
	085	00800	06.51	34.99	27.50		1450.3							
	085	00850	06.31	35.08	27.60		1450.4							
	085	00900	05.65	35.03	27.64		1448.6							
	085	00970	05.16	35.03	27.70		1467.7							
	085	01000	05.11	35.03	27.71		1488.0							
	085	01100	04.86	35.04	27.74		1488.7							
	085	01200	04.56	35.02	27.76		1489.1							
	085	01300	04.57	35.06	27.75		1490.9							
	085	01330	04.56	35.06	27.75		1491.3							
	085	01350	04.45	35.05	27.80		1491.2							
	085	01400	04.38	35.05	27.81		1491.7							
	085	01500	04.22	35.03	27.81		1492.7							

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REFID 31 8162 YEAR 1970 BOTOP 04369 AIR TEMP 17.3 OIR HGT PER WIND-OIR 24 INST STO RECGRDER TEN SQ 1206  
 CONSEC 0028 MONTH 04 SHIP A1 WET BULB 14.7 28 4 2 WIND-SPO 22 TRACE OIR 0 5 SQUARE 2  
 LAT 34 45 N DAY 10 DATA USE 1 BARMETR 1012.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 14 W HOUR 12.2 AREA 05 CLOUD T/A CL/T/R WEATHER X1 ORIG E40 028 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TCT P	NO2	NO3	SIO3	PH
12.2	085	00000	16.91	36.38	26.61		1514.9							
	085	00010	16.91	36.39	26.62		1515.1							
	085	00020	16.91	36.39	26.62		1515.3							
	085	00030	16.91	36.39	26.62		1515.5							
	085	00050	16.91	36.39	26.62		1515.8							
	085	00075	16.91	36.39	26.62		1516.2							
	085	00100	16.92	36.39	26.62		1516.6							
	085	00125	16.92	36.39	26.62		1517.0							
	085	00150	16.92	36.39	26.62		1517.4							
	085	00200	16.95	36.39	26.61		1518.4							
	085	00250	16.95	36.40	26.62		1519.2							
	085	00300	16.94	36.40	26.62		1520.0							
	085	00310	16.94	36.40	26.62		1520.1							
	085	00360	16.52	36.28	26.63		1519.6							
	085	00400	15.81	36.15	26.65		1517.9							
	085	00500	13.93	35.81	26.85		1513.2							
	085	00600	12.43	35.58	26.97		1509.5							
	085	00615	12.08	35.55	27.02		1508.5							
	085	00630	12.13	35.58	27.03		1509.0							
	085	00700	10.23	35.30	27.17		1503.1							
	085	00800	08.24	35.10	27.34		1457.1							
	085	00900	06.62	35.05	27.53		1452.5							
	085	00960	06.26	35.09	27.61		1492.1							
	085	01000	06.25	35.13	27.64		1492.8							
	085	01100	05.78	35.14	27.71		1492.6							
	085	01200	05.35	35.12	27.75		1492.5							
	085	01300	04.96	35.10	27.78		1492.5							
	085	01400	04.60	35.07	27.80		1492.7							
	085	01500	04.35	35.06	27.82		1493.3							

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TABLE XIX.—Continued

REFID 31 P162 YEAR 1970 BCTOP 04938 AIR TEMP 18.4 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0029 MONTH 04 SHIP A1 WET BULB 15.6 WIND-SPD 21 TRACE DIR 0 5 SQUARE 2  
 LAT 34 47 N DAY 10 DATA USE 1 BAROMETR 1012.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 14 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E40 Q29 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
17.8	CBS	00000	16.94	36.36	26.55		1515.0							
	CBS	00010	16.91	36.36	26.60		1515.1							
	CBS	00020	16.92	36.36	26.59		1515.3							
	CBS	00030	16.88	36.36	26.60		1515.5							
	CBS	00050	16.83	36.37	26.62		1515.5							
	CBS	00075	16.83	36.37	26.62		1515.9							
	CBS	00100	16.83	36.37	26.62		1516.3							
	CBS	00125	16.83	36.37	26.62		1516.7							
	CBS	00150	16.84	36.37	26.62		1517.2							
	CBS	00190	16.84	36.38	26.63		1517.7							
	CBS	00200	16.80	36.37	26.63		1517.9							
	CBS	00250	16.52	36.30	26.64		1517.8							
	CBS	00275	16.14	36.18	26.64		1516.9							
	CBS	00300	15.91	36.16	26.68		1516.6							
	CBS	00400	14.96	35.57	26.75		1515.0							
	CBS	00500	13.51	35.76	26.85		1511.7							
	CBS	00600	11.87	35.50	27.02		1507.5							
	CBS	00700	09.72	35.24	27.21		1501.2							
	CBS	00800	07.63	35.07	27.40		1494.8							
	CBS	00900	06.42	35.06	27.58		1491.7							
	CBS	00920	06.61	35.16	27.62		1492.9							
	CBS	01000	06.03	35.15	27.65		1491.9							
	CBS	01100	05.53	35.13	27.74		1491.5							
	CBS	01200	05.09	35.12	27.76		1491.4							
	CBS	01300	04.85	35.12	27.81		1492.1							
	CBS	01400	04.57	35.09	27.82		1492.6							
	CBS	01500	04.41	35.09	27.83		1493.6							

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REFID 31 E162 YEAR 1970 BCTOP 04983 AIR TEMP 17.5 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0030 MONTH 04 SHIP A1 WET BULB 14.7 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 42 N DAY 11 DATA USE 1 BAROMETR 1013.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 07 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E40 Q30 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
00.0	CBS	00000	16.89	36.37	26.61		1514.9							
	CBS	00010	16.85	36.37	26.61		1515.0							
	CBS	00020	16.89	36.37	26.61		1515.2							
	CBS	00030	16.88	36.37	26.61		1515.3							
	CBS	00050	16.80	36.37	26.63		1515.4							
	CBS	00075	16.80	36.38	26.64		1515.3							
	CBS	00100	16.79	36.38	26.64		1516.2							
	CBS	00125	16.79	36.38	26.64		1516.6							
	CBS	00150	16.78	36.38	26.64		1517.0							
	CBS	00200	16.72	36.37	26.65		1517.6							
	CBS	00250	16.59	36.34	26.66		1518.0							
	CBS	00300	16.18	36.25	26.68		1517.5							
	CBS	00400	15.02	36.04	26.75		1515.3							
	CBS	00500	13.79	35.84	26.90		1512.7							
	CBS	00548	12.85	35.67	26.96		1510.2							
	CBS	00600	11.65	35.51	27.07		1506.8							
	CBS	00700	09.11	35.20	27.28		1498.9							
	CBS	00800	07.30	35.09	27.47		1493.5							
	CBS	00830	06.74	35.07	27.53		1491.8							
	CBS	00900	06.26	35.14	27.65		1491.1							
	CBS	01000	05.92	35.17	27.72		1491.5							
	CBS	01020	05.93	35.20	27.74		1491.9							
	CBS	01050	05.45	35.14	27.75		1490.4							
	CBS	01100	05.30	35.14	27.77		1490.6							
	CBS	01200	04.91	35.11	27.79		1490.6							
	CBS	01300	04.45	35.08	27.82		1490.4							
	CBS	01400	04.31	35.07	27.83		1491.5							
	CBS	01500	04.11	35.07	27.85		1492.3							

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TABLE XIX.—Continued

REFID 31 8162	YEAR 1970	BOTOP 04938	AIR TEMP 17.5	DIR HGT PER	WIND-DIR 21	INST STO RECORDER	TEN SQ 1206
CONSEC 0031	MONTH 04	SHIP A1	WET BULB 14.4	28 3 3	WIND-SPO 22	TRACE DIR 0	5 SQUARE 2
LAT 34 52 N	DAY 11	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 48
LONG 048 02 W	HOOR 06.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E40 031	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NU2	NU3	SIU3	PH
06.0	CBS	00000	16.95	36.38	26.60		1515.1							
	CBS	00010	16.95	36.38	26.60		1515.2							
	CBS	00020	16.95	36.39	26.61		1515.4							
	CBS	00030	16.95	36.39	26.61		1515.6							
	CBS	00050	16.91	36.39	26.62		1515.8							
	CBS	00075	16.90	36.39	26.62		1516.2							
	CBS	00100	16.90	36.39	26.62		1516.6							
	CBS	00125	16.90	36.39	26.62		1517.0							
	CBS	00150	16.81	36.38	26.64		1517.1							
	CBS	00200	16.66	36.34	26.64		1517.4							
	CBS	00250	16.38	36.29	26.67		1517.3							
	CBS	00300	15.88	36.20	26.72		1516.5							
	CBS	00400	14.83	35.98	26.78		1514.6							
	CBS	00500	13.17	35.74	26.95		1510.6							
	CBS	00600	11.06	35.43	27.12		1504.6							
	CBS	00700	08.89	35.16	27.28		1499.0							
	CBS	00800	06.74	35.08	27.54		1491.3							
	CBS	00840	06.39	35.11	27.61		1490.6							
	CBS	00880	06.34	35.13	27.63		1491.1							
	CBS	00900	06.24	35.15	27.66		1491.1							
	CBS	00930	06.06	35.16	27.65		1491.0							
	CBS	00950	05.53	35.07	27.69		1489.0							
	CBS	00990	05.46	35.12	27.74		1489.4							
	CBS	01000	05.65	35.16	27.74		1490.4							
	CBS	01025	05.66	35.16	27.74		1490.8							
	CBS	01100	05.30	35.13	27.76		1490.6							
	CBS	01130	05.01	35.11	27.78		1489.9							
	CBS	01200	04.86	35.10	27.79		1490.4							
	CBS	01300	04.61	35.10	27.82		1491.1							
	CBS	01400	04.44	35.10	27.84		1492.0							
	CBS	01500	04.23	35.08	27.85		1492.8							

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REFID 31 8162	YEAR 1970	BOTOP 04572	AIR TEMP 17.9	DIR HGT PER	WIND-DIR 22	INST STO RECORDER	TEN SQ 1206
CONSEC 0032	MONTH 04	SHIP A1	WET BULB 15.4	25 2 3	WIND-SPO 25	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 11	DATA USE 1	BAROMETR 1009.1	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 46
LONG 047 55 W	HOOR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E40 032	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NU2	NU3	SIU3	PH
12.5	CBS	00000	16.80	36.34	26.61		1514.6							
	CBS	00010	16.80	36.35	26.61		1514.7							
	CBS	00020	16.80	36.36	26.62		1514.9							
	CBS	00030	16.80	36.36	26.62		1515.1							
	CBS	00050	16.80	36.37	26.63		1515.4							
	CBS	00075	16.80	36.37	26.63		1515.8							
	CBS	00100	16.80	36.37	26.63		1516.2							
	CBS	00125	16.80	36.37	26.63		1516.7							
	CBS	00150	16.78	36.37	26.64		1517.0							
	CBS	00160	16.78	36.36	26.63		1517.2							
	CBS	00200	16.59	36.32	26.64		1517.2							
	CBS	00250	16.41	36.28	26.65		1517.4							
	CBS	00290	16.08	36.17	26.65		1516.9							
	CBS	00300	15.78	36.16	26.71		1516.2							
	CBS	00360	15.48	36.10	26.73		1516.2							
	CBS	00400	14.87	36.00	26.75		1515.8							
	CBS	00500	13.50	35.79	26.92		1511.7							
	CBS	00600	11.49	35.43	27.04		1506.1							
	CBS	00700	09.11	35.17	27.25		1496.8							
	CBS	00740	08.79	35.22	27.34		1496.4							
	CBS	00800	07.00	35.03	27.46		1492.3							
	CBS	00830	06.39	34.99	27.51		1490.3							
	CBS	00900	06.20	35.07	27.60		1490.8							
	CBS	01000	05.21	35.05	27.71		1488.5							
	CBS	01050	05.06	35.06	27.74		1488.7							
	CBS	01080	05.30	35.14	27.77		1490.3							
	CBS	01100	05.22	35.12	27.77		1490.3							
	CBS	01200	04.83	35.09	27.79		1490.3							
	CBS	01300	04.72	35.09	27.80		1491.5							
	CBS	01400	04.42	35.08	27.83		1491.9							
	CBS	01500	04.22	35.08	27.85		1492.8							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BDTOP 04206 AIR TEMP 18.4 DIF HGT FER WIND-DIR 21 INST STO RECORDER TEN SQ 1206  
 CONSEC 0033 MGNTH 04 SHIP A1 WET BULB 15.7 25 6 2 WIND-SPD 30 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BARMETR 1006.1 SEA WIND-FCK DURATION 00.4 2 SQUARE 46  
 LONG 047 49 W HOUR 09.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E43 033 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	JAYG	PJ4	TOT F	NO2	NO3	SIO3	PH
09.0	085	00000	16.87	36.36	26.61		1514.8							
	085	00010	16.87	36.36	26.61		1515.0							
	085	00020	16.87	36.36	26.61		1515.1							
	085	00030	16.87	36.36	26.61		1515.3							
	085	00050	16.80	36.36	26.62		1515.4							
	085	00075	16.75	36.36	26.63		1515.7							
	085	00100	16.75	36.36	26.63		1516.1							
	085	00125	16.75	36.36	26.63		1516.5							
	085	00150	16.75	36.36	26.63		1516.9							
	085	00170	16.71	36.36	26.64		1517.1							
	085	00200	16.56	36.32	26.65		1517.1							
	085	00250	16.40	36.29	26.66		1517.4							
	085	00290	16.18	36.26	26.65		1517.4							
	085	00300	15.90	36.18	26.70		1516.6							
	085	00400	14.52	35.97	26.84		1513.6							
	085	00500	12.85	35.70	26.98		1505.4							
	085	00560	11.63	35.50	27.07		1506.0							
	085	00600	11.27	35.46	27.10		1505.4							
	085	00700	09.35	35.25	27.28		1494.3							
	085	00720	08.81	35.19	27.32		1496.1							
	085	00800	07.01	35.08	27.50		1482.4							
	085	00850	06.39	35.07	27.58		1450.7							
	085	00860	06.38	35.08	27.55		1451.2							
	085	00900	06.16	35.08	27.62		1450.7							
	085	01000	05.21	35.04	27.70		1466.4							
	085	01100	04.62	35.05	27.76		1468.5							
	085	01200	04.59	35.05	27.78		1469.3							
	085	01300	04.48	35.06	27.80		1490.5							
	085	01330	04.45	35.08	27.82		1450.9							
	085	01345	04.65	35.11	27.82		1452.0							
	085	01370	04.52	35.09	27.82		1451.9							
	085	01400	04.49	35.09	27.83		1452.2							
	085	01500	04.30	35.09	27.85		1453.1							

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REFID 31 8162 YEAR 1970 BDTOP 02103 AIR TEMP 17.6 DIF HGT FER WIND-DIR 21 INST STO RECORDER TEN SQ 1206  
 CONSEC 0034 MGNTH 04 SHIP A1 WET BULB 14.7 26 4 2 WIND-SPD 25 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 12 DATA USE 1 BARMETR 1005.8 SEA WIND-FCK DURATION 00.5 2 SQUARE 46  
 LONG 047 46 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E43 034 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.0	085	00000	16.82	36.37	26.63		1514.7							
	085	00010	16.82	36.37	26.63		1514.6							
	085	00020	16.82	36.37	26.63		1515.0							
	085	00030	16.82	36.37	26.63		1515.2							
	085	00050	16.82	36.37	26.63		1515.5							
	085	00075	16.82	36.37	26.63		1515.9							
	085	00100	16.82	36.37	26.63		1515.3							
	085	00125	16.84	36.38	26.63		1516.7							
	085	00150	16.82	36.38	26.63		1517.1							
	085	00190	16.81	36.38	26.64		1517.3							
	085	00200	16.74	36.35	26.53		1517.7							
	085	00250	16.46	36.29	26.55		1517.6							
	085	00300	16.19	36.24	26.67		1517.5							
	085	00340	15.90	36.19	26.70		1517.2							
	085	00400	14.70	35.95	26.79		1514.2							
	085	00500	13.25	35.73	26.92		1510.8							
	085	00600	10.99	35.40	27.11		1504.3							
	085	00700	08.40	35.12	27.33		1492.1							
	085	00720	07.72	35.12	27.43		1493.3							
	085	00750	07.72	35.14	27.45		1494.4							
	085	00800	06.68	35.10	27.56		1451.1							
	085	00900	05.82	35.07	27.65		1489.3							
	085	00945	05.25	35.00	27.67		1487.6							
	085	01000	05.03	35.03	27.72		1487.7							
	085	01100	04.63	35.05	27.76		1488.6							
	085	01200	04.52	35.03	27.78		1468.9							
	085	01300	04.53	35.06	27.80		1450.7							
	085	01340	04.67	35.11	27.82		1452.0							
	085	01400	04.51	35.08	27.82		1452.3							
	085	01500	04.40	35.08	27.83		1453.5							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 03475 AIR TEMP 18.4 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 04 SHIP AI WET BULB 16.3 DIR 26 4 4 WIND-SPD 24 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1000.0 SEA WIND-FCT DURATION 00.3 2 SQUARE 48  
 LONG 048 02 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 035 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYDPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SI03	PH
12.0	08S	00000	16.88	36.38	26.62		1514.9							
	08S	00010	16.88	36.38	26.62		1515.0							
	08S	00020	16.88	36.38	26.62		1515.2							
	08S	00030	16.88	36.39	26.63		1515.4							
	08S	00050	16.88	36.39	26.63		1515.7							
	08S	00075	16.88	36.39	26.62		1516.1							
	08S	00100	16.81	36.38	26.64		1516.3							
	08S	00125	16.80	36.38	26.64		1516.7							
	08S	00150	16.77	36.38	26.65		1517.0							
	08S	00200	16.75	36.38	26.65		1517.7							
	08S	00250	16.62	36.34	26.65		1518.1							
	08S	00300	16.30	36.24	26.65		1517.9							
	08S	00400	15.42	36.12	26.76		1516.6							
	08S	00500	13.71	35.80	26.83		1512.4							
	08S	00600	12.01	35.55	27.02		1508.0							
	08S	00700	09.40	35.23	27.25		1500.0							
	08S	00800	07.46	35.09	27.44		1494.2							
	08S	00900	06.16	35.08	27.62		1490.7							
	08S	00950	05.62	35.07	27.68		1489.3							
	08S	01000	05.61	35.11	27.71		1490.2							
	08S	01050	05.74	35.16	27.73		1491.6							
	08S	01100	05.39	35.13	27.75		1491.0							
	08S	01200	04.98	35.10	27.78		1490.9							
	08S	01300	04.71	35.09	27.80		1491.5							
	08S	01400	04.50	35.09	27.82		1492.3							
	08S	01500	04.24	35.06	27.83		1492.8							

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REFID 31 8162 YEAR 1970 BOTOP 04938 AIR TEMP 18.5 DIR HGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1206  
 CONSEC 0036 MONTH 04 SHIP AI WET BULB 15.4 DIR 28 4 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 14 DATA USE 1 BAROMETR 1010.5 SEA WIND-FCT DURATION 00.9 2 SQUARE 48  
 LONG 048 12 W HOUR 19.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 L36 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYDPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SI03	PH
19.6	08S	00000	16.83	36.38	26.63		1514.7							
	08S	00010	16.83	36.38	26.63		1514.9							
	08S	00020	16.85	36.38	26.63		1515.1							
	08S	00030	16.81	36.38	26.64		1515.1							
	08S	00050	16.81	36.38	26.64		1515.5							
	08S	00075	16.80	36.38	26.64		1515.8							
	08S	00100	16.80	36.38	26.64		1516.3							
	08S	00125	16.80	36.39	26.65		1516.7							
	08S	00150	16.80	36.38	26.64		1517.1							
	08S	00200	16.81	36.38	26.64		1517.9							
	08S	00220	16.49	36.29	26.64		1517.2							
	08S	00250	16.41	36.29	26.66		1517.4							
	08S	00300	16.32	36.27	26.67		1518.0							
	08S	00400	15.03	36.06	26.80		1515.3							
	08S	00500	13.53	35.80	26.92		1511.8							
	08S	00600	11.53	35.51	27.09		1506.3							
	08S	00700	09.89	35.29	27.22		1501.9							
	08S	00800	07.40	35.06	27.43		1493.9							
	08S	00900	06.21	35.06	27.59		1490.8							
	08S	00940	05.93	35.07	27.64		1490.4							
	08S	00950	06.15	35.15	27.67		1491.6							
	08S	00970	05.85	35.09	27.66		1490.6							
	08S	01000	05.87	35.13	27.69		1491.2							
	08S	01100	05.44	35.13	27.75		1491.2							
	08S	01200	05.00	35.11	27.78		1491.0							
	08S	01300	04.73	35.09	27.80		1491.6							
	08S	01400	04.48	35.08	27.82		1492.2							
	08S	01500	04.26	35.07	27.84		1492.9							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTUP 04755 AIR TEMP 15.7 DIR HGT PER WIND-DIR 23 INST STD RECORDEP TEN SU 1206  
 CONSEC 0037 MONTH 04 SHIP A1 WET BULB 13.4 25 2 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 46 N DAY 15 DATA USE 1 BAROMETR 1013.9 524 WIND-FGA DURATION 00.4 2 SQUARE 48  
 LONG 048 09 W HOUR 00.0 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG E40 037 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SND VCL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	08S	00000	16.80	36.36	26.62		1514.6							
	08S	00010	16.80	36.36	26.62		1514.6							
	08S	00020	16.80	36.36	26.62		1514.9							
	08S	00030	16.80	36.37	26.63		1515.1							
	08S	00050	16.80	36.37	26.63		1515.4							
	08S	00075	16.80	36.33	26.64		1515.8							
	08S	00100	16.80	36.33	26.64		1516.3							
	08S	00125	16.80	36.30	26.64		1516.7							
	08S	00150	16.80	36.38	26.64		1517.1							
	08S	00200	16.80	36.37	26.63		1517.9							
	08S	00225	16.71	36.36	26.64		1518.0							
	08S	00250	16.53	36.31	26.65		1517.0							
	08S	00275	16.42	36.28	26.65		1517.9							
	08S	00300	16.30	36.26	26.66		1517.9							
	08S	00375	15.44	36.12	26.75		1516.3							
	08S	00400	14.69	35.94	26.78		1514.1							
	08S	00450	14.09	35.88	26.87		1512.9							
	08S	00500	13.51	35.76	26.85		1511.7							
	08S	00600	11.61	35.49	27.06		1500.6							
	08S	00700	09.60	35.26	27.24		1500.8							
	08S	00800	07.33	35.07	27.45		1493.6							
	08S	00870	06.22	35.05	27.58		1490.4							
	08S	00900	06.32	35.13	27.63		1491.4							
	08S	00920	06.06	35.09	27.64		1490.6							
	08S	00930	06.16	35.15	27.67		1491.3							
	08S	01000	05.81	35.14	27.71		1491.0							
	08S	01100	05.33	35.11	27.74		1490.7							
	08S	01200	04.97	35.10	27.76		1490.9							
	08S	01300	04.57	35.09	27.82		1490.9							
	08S	01400	04.49	35.08	27.82		1490.4							
	08S	01500	04.20	35.06	27.83		1492.7							

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REFID 31 8162 YEAR 1970 BOTUP 05040 AIR TEMP 17.3 DIR HGT PER WIND-DIR 29 INST STD RECORDEP TEN SU 1206  
 CONSEC 0038 MONTH 04 SHIP A1 WET BULB 14.3 25 4 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1013.9 524 WIND-FGA DURATION 00.4 2 SQUARE 48  
 LONG 048 09 W HOUR 00.0 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG E40 037 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SND VCL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	08S	00000	16.32	36.38	26.63		1514.7							
	08S	00010	16.82	36.38	26.63		1514.6							
	08S	00020	16.82	36.39	26.64		1515.0							
	08S	00030	16.82	36.39	26.64		1515.2							
	08S	00050	16.82	36.37	26.64		1515.5							
	08S	00075	16.83	36.37	26.64		1516.0							
	08S	00100	16.83	36.39	26.64		1516.4							
	08S	00125	16.84	36.40	26.64		1516.8							
	08S	00150	16.85	36.40	26.64		1517.3							
	08S	00200	16.86	36.39	26.63		1518.1							
	08S	00250	16.86	36.40	26.64		1518.9							
	08S	00300	16.85	36.40	26.64		1519.7							
	08S	00340	16.79	36.38	26.64		1520.2							
	08S	00350	16.59	36.36	26.67		1519.7							
	08S	00400	15.76	36.16	26.71		1517.0							
	08S	00440	15.61	36.16	26.75		1517.9							
	08S	00460	15.29	36.11	26.78		1517.2							
	08S	00500	14.43	35.96	26.85		1516.0							
	08S	00565	12.88	35.68	26.96		1510.0							
	08S	00600	12.72	35.69	27.00		1510.0							
	08S	00700	10.22	35.34	27.20		1503.1							
	08S	00800	08.33	35.16	27.37		1497.6							
	08S	00900	06.41	35.04	27.55		1491.6							
	08S	01000	05.59	35.05	27.66		1490.0							
	08S	01040	05.49	35.05	27.66		1490.3							
	08S	01060	05.75	35.14	27.72		1491.8							
	08S	01100	05.63	35.14	27.73		1491.9							
	08S	01100	05.21	35.11	27.76		1491.7							
	08S	01300	04.95	35.11	27.75		1490.5							
	08S	01400	04.64	35.08	27.80		1490.8							
	08S	01500	04.23	35.04	27.81		1490.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04460 AIR TEMP 15.7 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0039 MONTH 04 SHIP 41 WET BULB 13.4 DIR 31 2 4 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 36 N DAY 16 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 50 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER XJ ORIG E40 039 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	16.58	36.34	26.56		1515.1							
	OBS	00010	16.89	36.34	26.59		1515.0							
	OBS	00020	16.88	36.36	26.60		1515.2							
	OBS	00030	16.88	36.36	26.60		1515.3							
	OBS	00050	16.87	36.37	26.61		1515.6							
	OBS	00075	16.86	36.37	26.62		1516.0							
	OBS	00100	16.86	36.38	26.62		1516.4							
	OBS	00125	16.86	36.38	26.62		1516.8							
	OBS	00150	16.86	36.38	26.62		1517.3							
	OBS	00170	16.87	36.38	26.64		1517.6							
	OBS	00200	16.76	36.36	26.63		1517.8							
	OBS	00205	16.67	36.32	26.62		1517.5							
	OBS	00250	16.68	36.35	26.64		1518.3							
	OBS	00300	16.24	36.26	26.68		1517.7							
	OBS	00400	15.09	36.04	26.77		1515.5							
	OBS	00500	13.38	35.77	26.93		1511.3							
	OBS	00600	11.40	35.47	27.05		1505.8							
	OBS	00700	09.82	35.19	27.32		1497.3							
	OBS	00800	06.82	35.03	27.45		1491.6							
	OBS	00900	05.63	35.01	27.63		1488.4							
	OBS	01000	05.12	35.03	27.71		1486.1							
	OBS	01040	05.02	35.05	27.73		1488.3							
	OBS	01070	05.26	35.11	27.75		1486.9							
	OBS	01100	05.22	35.11	27.76		1490.2							
	OBS	01200	04.90	35.10	27.75		1490.0							
	OBS	01300	04.62	35.07	27.80		1491.1							
	OBS	01400	04.30	35.05	27.82		1491.4							
	OBS	01500	04.14	35.04	27.82		1492.4							

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REFID 31 8162 YEAR 1970 BOTOP 04938 AIR TEMP 15.1 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0040 MONTH 04 SHIP 41 WET BULB 12.8 DIR 30 1 2 WIND-SPO 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 45 N DAY 16 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 56 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 040 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.2	OBS	00000	16.69	36.33	26.63		1514.2							
	OBS	00010	16.69	36.33	26.63		1514.4							
	OBS	00020	16.68	36.34	26.64		1514.5							
	OBS	00030	16.65	36.34	26.64		1514.6							
	OBS	00050	16.65	36.34	26.64		1514.9							
	OBS	00075	16.65	36.35	26.65		1515.4							
	OBS	00100	16.64	36.35	26.65		1515.7							
	OBS	00125	16.65	36.35	26.65		1516.2							
	OBS	00150	16.67	36.35	26.65		1516.7							
	OBS	00200	16.63	36.34	26.65		1517.3							
	OBS	00250	16.23	36.26	26.68		1516.9							
	OBS	00300	15.93	36.20	26.70		1516.7							
	OBS	00400	14.65	35.96	26.81		1514.0							
	OBS	00420	14.52	35.97	26.84		1513.9							
	OBS	00500	13.29	35.75	26.93		1511.0							
	OBS	00600	11.06	35.42	27.11		1504.6							
	OBS	00700	09.43	35.24	27.25		1500.1							
	OBS	00800	06.90	35.01	27.46		1491.8							
	OBS	00840	06.50	35.06	27.56		1491.0							
	OBS	00870	06.12	35.03	27.58		1489.9							
	OBS	00900	06.16	35.09	27.62		1490.7							
	OBS	00950	06.14	35.14	27.67		1491.5							
	OBS	01000	05.75	35.13	27.71		1490.8							
	OBS	01080	05.48	35.00	27.64		1490.8							
	OBS	01090	05.21	35.07	27.73		1490.0							
	OBS	01100	05.34	35.10	27.74		1490.7							
	OBS	01200	04.90	35.08	27.77		1490.6							
	OBS	01300	04.58	35.05	27.78		1490.9							
	OBS	01400	04.46	35.04	27.79		1492.1							
	OBS	01500	04.29	35.05	27.82		1493.0							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BGTOP 04755 AIR TEMP 17.7 DIR HGT FER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0041 MONTH 04 SHIP A1 WET BULB 16.8 DIR SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 16 OATA USE 1 BAROMETR 1023.4 SEA WIND-FGR WIND-FGR 00.6 2 SQUARE 48  
 LGNG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 041 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	CBS	00000	16.81	36.35	26.61		1514.6							
	CBS	00010	16.80	36.36	26.62		1514.8							
	CBS	00020	16.75	36.36	26.62		1514.9							
	CBS	00030	16.76	36.36	26.63		1515.0							
	CBS	00050	16.77	36.36	26.63		1515.3							
	CBS	00075	16.75	36.37	26.64		1515.7							
	CBS	00100	16.75	36.37	26.64		1516.1							
	CBS	00125	16.74	36.37	26.64		1516.5							
	CBS	00150	16.74	36.37	26.64		1516.9							
	CBS	00175	16.72	36.36	26.64		1517.2							
	CBS	00200	16.71	36.36	26.64		1517.6							
	CBS	00250	16.70	36.36	26.65		1518.4							
	CBS	00300	16.68	36.36	26.65		1519.2							
	CBS	00320	16.65	36.35	26.65		1519.4							
	CBS	00400	15.55	36.11	26.72		1517.0							
	CBS	00500	14.06	35.87	26.86		1513.7							
	CBS	00600	12.41	35.52	26.93		1509.4							
	CBS	00700	09.67	35.21	27.15		1501.0							
	CBS	00800	07.82	35.10	27.40		1495.5							
	CBS	00880	06.44	35.02	27.53		1491.4							
	CBS	00900	06.42	35.05	27.56		1491.7							
	CBS	01000	05.53	35.03	27.66		1489.7							
	CBS	01020	05.38	35.03	27.67		1489.5							
	CBS	01040	05.75	35.13	27.71		1491.4							
	CBS	01100	05.43	35.10	27.72		1491.1							
	CBS	01200	05.04	35.09	27.76		1491.2							
	CBS	01300	04.75	35.08	27.79		1491.6							
	CBS	01400	04.51	35.06	27.80		1492.3							
	CBS	01500	04.34	35.05	27.81		1493.2							

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REFID 31 8162 YEAR 1970 BGTOP 04646 AIR TEMP 19.6 DIR HGT FER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0042 MONTH 04 SHIP A1 WET BULB 16.7 DIR SPO 08 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 16 OATA USE 1 BAROMETR 1021.0 SEA WIND-FGR WIND-FGR 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 042 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.9	CBS	00000	17.18	36.33	26.51		1515.7							
	CBS	00010	16.88	36.34	26.59		1515.0							
	CBS	00020	16.86	36.35	26.60		1515.1							
	CBS	00030	16.81	36.35	26.61		1515.1							
	CBS	00050	16.76	36.36	26.63		1515.3							
	CBS	00075	16.76	36.36	26.63		1515.7							
	CBS	00100	16.76	36.36	26.63		1516.1							
	CBS	00125	16.76	36.36	26.63		1516.5							
	CBS	00150	16.76	36.37	26.64		1516.9							
	CBS	00175	16.77	36.37	26.64		1517.4							
	CBS	00200	16.77	36.37	26.64		1517.6							
	CBS	00250	16.77	36.37	26.64		1518.6							
	CBS	00300	16.74	36.36	26.64		1519.3							
	CBS	00370	16.43	36.30	26.66		1519.5							
	CBS	00400	15.81	36.15	26.69		1517.9							
	CBS	00500	14.10	35.87	26.86		1513.8							
	CBS	00600	12.33	35.59	27.00		1509.2							
	CBS	00700	09.73	35.22	27.15		1501.2							
	CBS	00800	07.91	35.09	27.38		1495.9							
	CBS	00900	06.34	35.03	27.55		1491.3							
	CBS	00930	06.34	35.09	27.60		1491.6							
	CBS	01000	05.71	35.05	27.65		1490.5							
	CBS	01030	05.85	35.15	27.71		1491.7							
	CBS	01100	05.57	35.13	27.73		1491.7							
	CBS	01200	05.12	35.10	27.76		1491.5							
	CBS	01300	04.65	35.07	27.79		1491.2							
	CBS	01400	04.44	35.06	27.81		1492.0							
	CBS	01500	04.24	35.06	27.83		1492.8							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04796 AIR TEMP 17.4 DIR HGT PER WIND-DIR 12 INST STO RECORDFR TEN SQ 1206  
 CONSEC 0043 MONTH 04 SHIP A1 WET BULB 14.6 32 1 2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 16 DATA USE 1 BAROMETR 1021.3 SEA WIND-FDR WIND-FDR 2 SQUARE 48  
 LONG 048 15 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG E40 043 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
23.8	CBS	00000	16.97	36.37	26.55		1515.1							
	CBS	00010	16.97	36.37	26.59		1515.3							
	CBS	00020	16.96	36.37	26.55		1515.4							
	CBS	00030	16.93	36.37	26.60		1515.5							
	CBS	00050	16.87	36.37	26.61		1515.6							
	CBS	00075	16.86	36.38	26.62		1516.0							
	CBS	00100	16.87	36.38	26.62		1516.5							
	CBS	00125	16.86	36.38	26.62		1516.8							
	CBS	00150	16.87	36.38	26.62		1517.3							
	CBS	00200	16.89	36.39	26.62		1518.2							
	CBS	00250	16.89	36.39	26.62		1519.0							
	CBS	00300	16.89	36.39	26.62		1519.8							
	CBS	00375	16.90	36.39	26.62		1521.1							
	CBS	00400	16.58	36.38	26.61		1520.4							
	CBS	00450	16.61	36.08	26.70		1517.7							
	CBS	00480	14.73	35.93	26.75		1518.3							
	CBS	00500	14.73	35.93	26.77		1515.6							
	CBS	00500	14.52	35.91	26.80		1515.2							
	CBS	00600	13.21	35.68	26.89		1514.5							
	CBS	00700	11.22	35.42	27.08		1506.8							
	CBS	00800	08.53	35.16	27.34		1498.5							
	CBS	00900	06.64	35.02	27.50		1492.5							
	CBS	01000	05.84	35.06	27.64		1491.0							
	CBS	01030	05.54	35.08	27.65		1490.3							
	CBS	01055	05.79	35.14	27.71		1491.8							
	CBS	01100	05.63	35.15	27.74		1492.0							
	CBS	01200	05.26	35.14	27.78		1492.1							
	CBS	01300	04.95	35.11	27.79		1492.5							
	CBS	01340	04.63	35.07	27.79		1491.8							
	CBS	01400	04.56	35.09	27.82		1492.5							
	CBS	01500	04.32	35.07	27.83		1493.2							

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REFID 31 8162 YEAR 1970 BOTOP 04796 AIR TEMP 16.3 DIR HGT PER WIND-DIR 12 INST STO RECORDFR TEN SQ 1206  
 CONSEC 0044 MONTH 04 SHIP A1 WET BULB 13.7 32 1 2 WIND-SPD 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 17 DATA USE 1 BAROMETR 1016.6 SEA WIND-FDR WIND-FDR 2 SQUARE 48  
 LONG 048 18 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG E40 044 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
06.0	OBS	00000	16.87	36.35	26.60		1514.8							
	OBS	00010	16.86	36.35	26.60		1514.9							
	OBS	00020	16.86	36.35	26.60		1515.1							
	OBS	00030	16.86	36.35	26.60		1515.3							
	OBS	00050	16.80	36.35	26.61		1515.4							
	OBS	00075	16.80	36.36	26.62		1515.8							
	OBS	00100	16.80	36.36	26.62		1516.2							
	OBS	00125	16.80	36.36	26.62		1516.6							
	OBS	00150	16.81	36.36	26.62		1517.1							
	OBS	00200	16.84	36.37	26.62		1518.0							
	OBS	00250	16.84	36.37	26.62		1518.8							
	OBS	00300	16.84	36.37	26.62		1519.6							
	OBS	00370	16.84	36.37	26.62		1520.8							
	OBS	00400	16.46	36.30	26.66		1520.1							
	OBS	00500	15.45	36.11	26.74		1518.4							
	OBS	00542	14.52	35.94	26.82		1515.9							
	OBS	00570	14.52	35.96	26.83		1516.4							
	OBS	00600	13.62	35.77	26.88		1513.7							
	OBS	00615	13.10	35.70	26.93		1512.2							
	OBS	00680	12.40	35.61	27.00		1510.8							
	OBS	00700	11.77	35.52	27.06		1508.8							
	OBS	00800	09.49	35.29	27.28		1502.0							
	OBS	00900	06.73	35.02	27.49		1492.8							
	OBS	00920	06.43	35.03	27.54		1492.0							
	OBS	00980	06.15	35.09	27.63		1492.0							
	OBS	01000	05.86	35.07	27.65		1491.1							
	OBS	01100	05.76	35.13	27.71		1492.5							
	OBS	01200	05.34	35.14	27.77		1492.4							
	OBS	01300	04.96	35.11	27.79		1492.5							
	OBS	01400	04.69	35.08	27.80		1493.1							
	OBS	01500	04.43	35.07	27.82		1493.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BCTOP 04206 AIR TEMP 17.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0045 MONTH 04 SHIP AI WET BULB 17.0 WIND-SPO 19 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 045 1 SQUARE 58

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PG4	TCT P	NO <sub>2</sub>	NO <sub>3</sub>	SID3	PH
12.0	08S	00000	17.01	36.37	26.58		1515.2							
	08S	00010	17.01	36.37	26.58		1515.4							
	08S	00020	17.01	36.38	26.58		1515.6							
	08S	00030	17.00	36.38	26.59		1515.7							
	08S	00050	17.00	36.38	26.58		1516.0							
	08S	00075	16.99	36.38	26.59		1516.4							
	08S	00100	16.96	36.38	26.60		1516.7							
	08S	00125	16.92	36.37	26.60		1517.0							
	08S	00150	16.90	36.37	26.61		1517.4							
	08S	00200	16.90	36.37	26.61		1518.2							
	08S	00250	16.92	36.38	26.61		1518.8							
	08S	00300	16.90	36.38	26.61		1519.8							
	08S	00350	16.90	36.38	26.61		1520.7							
	08S	00400	16.91	36.38	26.64		1519.5							
	08S	00500	15.02	36.01	26.76		1516.9							
	08S	00600	13.02	35.87	26.93		1511.6							
	08S	00700	10.32	35.30	27.15		1503.4							
	08S	00800	08.53	35.14	27.32		1498.1							
	08S	00900	06.52	35.00	27.51		1492.0							
	08S	01000	05.65	35.06	27.67		1480.3							
	08S	01045	05.39	35.08	27.70		1480.0							
	08S	01080	05.64	35.14	27.73		1491.7							
	08S	01100	05.31	35.11	27.75		1480.6							
	08S	01200	04.99	35.11	27.78		1481.0							
	08S	01300	04.78	35.10	27.80		1481.8							
	08S	01400	04.51	35.08	27.82		1482.3							
	08S	01500	04.30	35.07	27.83		1483.1							

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REFID 31 8162 YEAR 1970 BCTOP 05121 AIR TEMP 16.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0046 MONTH 04 SHIP AI WET BULB 16.0 WIND-SPO 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 38 N DAY 17 DATA USE 1 BAROMETR 1014.9 SEA WIND-FOR DURATION 01.5 2 SQUARE 48  
 LONG 048 43 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 046 1 SQUARE 58

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PG4	TCT P	NO <sub>2</sub>	NO <sub>3</sub>	SID3	PH
18.1	08S	00000	16.91	36.35	26.59		1514.9							
	08S	00010	16.90	36.35	26.59		1515.0							
	08S	00020	16.89	36.35	26.59		1515.2							
	08S	00030	16.89	36.35	26.59		1515.3							
	08S	00050	16.88	36.36	26.60		1515.7							
	08S	00075	16.88	36.36	26.60		1516.1							
	08S	00100	16.84	36.36	26.61		1516.4							
	08S	00125	16.83	36.36	26.62		1516.7							
	08S	00150	16.84	36.36	26.61		1517.2							
	08S	00200	16.84	36.37	26.62		1518.0							
	08S	00250	16.84	36.37	26.62		1518.8							
	08S	00300	16.84	36.37	26.62		1519.6							
	08S	00340	16.72	36.34	26.63		1519.9							
	08S	00400	15.91	36.18	26.65		1516.2							
	08S	00500	14.02	35.83	25.84		1513.5							
	08S	00600	11.91	35.52	27.03		1507.7							
	08S	00700	09.34	35.21	27.25		1495.7							
	08S	00767	08.52	35.16	27.34		1497.7							
	08S	00800	07.62	35.09	27.42		1494.7							
	08S	00900	06.42	35.09	27.55		1481.7							
	08S	01000	05.45	35.06	27.65		1481.6							
	08S	01100	05.38	35.12	27.75		1490.9							
	08S	01200	05.08	35.11	27.77		1481.3							
	08S	01300	04.75	35.10	27.80		1481.7							
	08S	01400	04.59	35.09	27.81		1482.7							
	08S	01500	04.37	35.08	27.83		1483.4							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTOP 04424 AIR TEMP 18.5 OIP HGT PER WIND-OIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0047 MONTH 04 SHIP A1 WET BULB 16.5 15 2 4 WIND-SPO 11 TRACE OIR 0 5 SQUARE 4  
 LAT 35 37 N DAY 18 DATA USE 1 BAROMETR 1016.6 SEA WIND-FGR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 00.0 AREA 05 CLOUD T/A CL/T P WEATHER X2 CRIG E40 C47 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VcL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
00.0	OBS	00000	16.94	36.36	26.55		1515.0							
	OBS	00010	16.94	36.36	26.59		1515.2							
	OBS	00020	16.92	36.36	26.55		1515.3							
	OBS	00030	16.91	36.37	26.60		1515.4							
	OBS	00050	16.89	36.37	26.61		1515.7							
	OBS	00075	16.90	36.37	26.61		1516.1							
	OBS	00100	16.91	36.37	26.60		1516.6							
	OBS	00125	16.92	36.37	26.60		1517.0							
	OBS	00150	16.92	36.38	26.61		1517.4							
	OBS	00200	16.92	36.38	26.61		1518.3							
	OBS	00250	16.92	36.38	26.61		1519.1							
	OBS	00300	16.92	36.38	26.61		1519.9							
	OBS	00360	16.75	36.33	26.61		1520.3							
	OBS	00400	16.28	36.20	26.62		1519.4							
	OBS	00420	15.73	36.14	26.70		1518.0							
	OBS	00450	15.81	36.19	26.72		1518.8							
	OBS	00500	15.20	36.06	26.76		1517.5							
	OBS	00600	12.63	35.68	26.97		1511.0							
	OBS	00700	10.72	35.35	27.12		1504.9							
	OBS	00800	08.74	35.17	27.31		1499.1							
	OBS	00900	07.20	35.10	27.45		1494.8							
	OBS	01000	05.75	35.06	27.65		1490.7							
	OBS	01100	05.04	35.03	27.72		1489.4							
	OBS	01200	04.75	35.03	27.75		1489.9							
	OBS	01300	04.53	35.03	27.77		1490.6							
	OBS	01400	04.32	35.02	27.79		1491.4							
	OBS	01500	04.12	35.02	27.81		1492.3							

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REFID 31 8162 YEAR 1970 BOTOP 01829 AIR TEMP 17.8 OIP HGT PER WIND-OIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0048 MONTH 04 SHIP A1 WET BULB 15.0 15 2 2 WIND-SPO 10 TRACE OIR 0 5 SQUARE 4  
 LAT 35 17 N DAY 18 DATA USE 1 BAROMETR 1012.5 SEA WIND-FGR DURATION 00.3 2 SQUARE 46  
 LONG 047 41 W HOUR 06.0 AREA 05 CLOUD T/A CL/T P WEATHER X2 CRIG E40 O48 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VcL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
06.0	OBS	00000	17.02	36.35	26.56		1515.2							
	OBS	00010	17.02	36.35	26.56		1515.4							
	OBS	00020	17.02	36.35	26.56		1515.6							
	OBS	00030	17.00	36.36	26.57		1515.7							
	OBS	00050	16.99	36.36	26.58		1516.0							
	OBS	00075	16.97	36.37	26.59		1516.3							
	OBS	00100	16.96	36.37	26.59		1516.7							
	OBS	00125	16.94	36.37	26.60		1517.1							
	OBS	00150	16.93	36.37	26.60		1517.5							
	OBS	00200	16.94	36.38	26.60		1518.3							
	OBS	00250	16.95	36.38	26.60		1519.2							
	OBS	00300	16.94	36.38	26.60		1520.0							
	OBS	00320	16.93	36.37	26.60		1520.2							
	OBS	00400	15.72	36.13	26.70		1517.6							
	OBS	00420	15.85	36.21	26.73		1518.4							
	OBS	00460	15.81	36.19	26.72		1518.9							
	OBS	00500	15.02	35.99	26.75		1516.9							
	OBS	00600	13.05	35.66	26.91		1511.7							
	OBS	00700	10.42	35.30	27.13		1503.8							
	OBS	00800	08.62	35.19	27.35		1498.7							
	OBS	00900	07.56	35.19	27.51		1496.3							
	OBS	00910	07.24	35.13	27.51		1495.2							
	OBS	01000	06.13	35.09	27.63		1492.2							
	OBS	01100	05.05	35.03	27.71		1489.4							
	OBS	01200	04.81	35.04	27.75		1490.1							
	OBS	01300	04.74	35.06	27.77		1491.6							
	OBS	01400	04.52	35.05	27.79		1492.3							
	OBS	01500	04.42	35.06	27.81		1493.6							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BCTOP 02012 AIR TEMP 18.5 OIR HGT PER WIND-OIR L5 INST STD RECORDER TEN SQ 1206  
 CONSEC 0049 MONTH 04 SHIP A1 WET BULB 15.9 15 2 3 WIND-SPD 15 TRACE OIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 18 DATA USE 1 BARMETR 1012.5 SEA WIND-FUR DURATION 00.4 2 SQUARE 46  
 LONG 047 42 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E40 C49 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SLD VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
12.5	085	00000	17.01	36.34	26.56		1515.2							
	085	00010	17.01	36.34	26.56		1515.4							
	085	00020	17.00	36.34	26.56		1515.5							
	085	00030	16.99	36.36	26.58		1515.7							
	085	00050	16.93	36.36	26.59		1515.8							
	085	00075	16.90	36.37	26.61		1516.1							
	085	00100	16.90	36.37	26.61		1516.5							
	085	00125	16.91	36.37	26.60		1517.0							
	085	00150	16.91	36.37	26.60		1517.4							
	085	00200	16.91	36.37	26.60		1516.2							
	085	00250	16.92	36.38	26.61		1517.1							
	085	00300	16.91	36.37	26.60		1519.9							
	085	00330	16.85	36.35	26.60		1520.1							
	085	00400	15.45	36.03	26.68		1516.6							
	085	00500	13.88	35.75	26.81		1512.9							
	085	00600	11.81	35.51	27.04		1507.3							
	085	00700	10.22	35.32	27.18		1503.1							
	085	00750	09.03	35.09	27.20		1459.3							
	085	00800	08.13	35.17	27.41		1456.8							
	085	00900	07.23	35.17	27.54		1455.0							
	085	00920	07.11	35.20	27.58		1454.9							
	085	00950	06.73	35.12	27.57		1453.8							
	085	01000	06.11	35.14	27.67		1452.2							
	085	01100	05.37	35.08	27.72		1450.8							
	085	01200	04.76	35.04	27.76		1489.9							
	085	01300	04.53	35.03	27.77		1450.6							
	085	01400	04.29	35.01	27.78		1451.3							
	085	01500	04.16	35.02	27.81		1452.5							

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REFID 31 8162 YEAR 1970 BCTOP 02286 AIR TEMP 19.1 OIR HGT PER WIND-OIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0050 MONTH 04 SHIP A1 WET BULB 16.2 18 2 3 WIND-SPD 18 TRACE OIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 19 DATA USE 1 BARMETR 1009.5 SEA WIND-FUR DURATION 00.4 2 SQUARE 46  
 LONG 047 38 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 C50 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SLD VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
00.1	085	00000	17.02	36.35	26.56		1515.2							
	085	00010	17.02	36.35	26.56		1515.4							
	085	00020	17.01	36.35	26.56		1515.5							
	085	00030	16.95	36.37	26.59		1515.5							
	085	00050	16.92	36.37	26.60		1515.8							
	085	00075	16.90	36.37	26.61		1516.1							
	085	00100	16.88	36.37	26.61		1516.5							
	085	00125	16.87	36.37	26.61		1516.9							
	085	00150	16.86	36.36	26.61		1517.2							
	085	00175	16.86	36.36	26.61		1517.6							
	085	00200	16.86	36.36	26.61		1518.1							
	085	00250	16.87	36.37	26.61		1516.9							
	085	00300	16.87	36.37	26.61		1519.7							
	085	00330	16.85	36.36	26.61		1520.2							
	085	00400	15.63	36.05	26.66		1517.2							
	085	00422	15.23	36.00	26.71		1516.3							
	085	00470	14.67	35.92	26.77		1515.2							
	085	00500	13.93	35.79	26.83		1513.1							
	085	00515	13.49	35.71	26.86		1511.8							
	085	00600	12.03	35.54	27.02		1508.1							
	085	00700	09.44	35.20	27.22		1500.1							
	085	00740	08.65	35.14	27.30		1457.7							
	085	00790	08.18	35.16	27.35		1456.8							
	085	00800	07.83	35.11	27.41		1455.6							
	085	00830	07.33	35.15	27.51		1454.2							
	085	00900	06.95	35.17	27.58		1453.9							
	085	01000	06.23	35.13	27.65		1452.7							
	085	01100	05.35	35.06	27.70		1450.7							
	085	01120	05.28	35.06	27.71		1450.8							
	085	01150	04.93	35.01	27.71		1489.8							
	085	01200	04.85	35.03	27.74		1450.3							
	085	01300	04.57	35.02	27.76		1450.8							
	085	01400	04.37	35.01	27.78		1451.6							
	085	01500	04.28	35.02	27.75		1453.0							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BCTOP 02560 AIR TEMP 18.4 OIR HGT PER WIND-OIR 13 INST STO RECDROER TEN SQ 1206  
 CONSEC 0051 MONTH 04 SHIP A1 WET BULB 15.6 1B 2 3 WIND-SPD 27 TRACE OIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 19 DATA USE 1 BAROMETR 1006.1 SEA WIND-FOR DURATION 30.4 2 SQUARE 46  
 LONG 047 49 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 051 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	17.01	36.36	26.57		1515.2							
	OBS	00010	17.00	36.36	26.57		1515.4							
	OBS	00020	17.00	36.36	26.57		1515.5							
	OBS	00030	16.96	36.37	26.59		1515.6							
	OBS	00050	16.95	36.37	26.59		1515.9							
	OBS	00075	16.93	36.37	26.60		1516.2							
	OBS	00100	16.93	36.38	26.61		1516.6							
	OBS	00125	16.93	36.36	26.61		1517.1							
	OBS	00150	16.93	36.38	26.61		1517.5							
	OBS	00200	16.95	36.38	26.60		1518.3							
	OBS	00250	16.94	36.38	26.60		1519.1							
	OBS	00300	16.95	36.38	26.60		1520.0							
	OBS	00362	16.95	36.39	26.61		1521.0							
	OBS	00400	16.16	36.23	26.67		1519.1							
	OBS	00500	15.04	35.99	26.74		1516.9							
	OBS	00600	13.05	35.57	26.84		1511.6							
	OBS	00700	10.55	35.34	27.14		1504.3							
	OBS	00725	10.15	35.28	27.16		1503.2							
	OBS	00745	09.66	35.28	27.25		1501.7							
	OBS	00800	08.36	35.17	27.37		1497.7							
	OBS	00900	07.36	35.19	27.54		1495.5							
	OBS	01000	06.29	35.12	27.63		1492.9							
	OBS	01100	05.37	35.06	27.70		1490.8							
	OBS	01200	04.93	35.03	27.73		1490.6							
	OBS	01300	04.73	35.04	27.76		1491.5							
	OBS	01400	04.56	35.03	27.77		1492.4							
	OBS	01500	04.39	35.03	27.79		1493.4							

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REFID 31 8162 YEAR 1970 BCTOP 02103 AIR TEMP 18.4 OIR HGT PER WIND-OIR 21 INST STO RECDROER TEN SQ 1206  
 CONSEC 0052 MONTH 04 SHIP A1 WET BULB 16.0 19 1 2 WIND-SPD 14 TRACE OIR 0 5 SQUARE 4  
 LAT 35 14 N DAY 19 DATA USE 1 BAROMETR 1006.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 52 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E40 052 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	17.01	36.33	26.55		1515.2							
	OBS	00010	17.01	36.34	26.56		1515.4							
	OBS	00020	16.99	36.34	26.56		1515.5							
	OBS	00030	16.99	36.35	26.57		1515.6							
	OBS	00050	16.94	36.36	26.59		1515.8							
	OBS	00075	16.95	36.37	26.59		1516.3							
	OBS	00100	16.93	36.37	26.60		1516.6							
	OBS	00125	16.93	36.38	26.61		1517.1							
	OBS	00150	16.93	36.38	26.61		1517.5							
	OBS	00200	16.93	36.38	26.61		1518.3							
	OBS	00250	16.94	36.38	26.60		1519.1							
	OBS	00300	16.94	36.39	26.61		1520.0							
	OBS	00330	16.93	36.39	26.61		1520.4							
	OBS	00350	16.84	36.35	26.61		1520.4							
	OBS	00390	16.02	36.21	26.65		1518.4							
	OBS	00400	16.00	36.21	26.70		1518.6							
	OBS	00500	15.86	36.22	26.74		1519.8							
	OBS	00520	15.66	36.17	26.74		1519.4							
	OBS	00600	13.25	35.70	26.90		1512.4							
	OBS	00700	10.77	35.32	27.08		1505.1							
	OBS	00800	09.17	35.25	27.31		1500.8							
	OBS	00840	08.18	35.21	27.43		1497.7							
	OBS	00900	07.58	35.19	27.51		1496.4							
	OBS	00920	06.95	35.14	27.56		1494.2							
	OBS	01000	06.15	35.08	27.62		1492.3							
	OBS	01100	05.10	35.02	27.70		1489.6							
	OBS	01200	04.90	35.03	27.73		1490.5							
	OBS	01300	04.64	35.02	27.75		1491.1							
	OBS	01400	04.62	35.05	27.78		1492.7							
	OBS	01500	04.45	35.05	27.80		1493.7							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BOTDP 02195 AIR TEMP 17.4 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0053 MONTH 04 SHIP A1 WET BULB 15.5 22 2 4 WIND-SPD 24 TRACE DIR 0 5 SQUARE 4  
 LAT 35 17 N DAY 20 DATA USE 1 BAROMETR 1006.8 SEA WIND-FUR DURATION 00.5 2 SQUARE 46  
 LONG 047 48 W HOUR 00.0 AREA 05 CLOUD T/A CL/TK WEATHER X1 ORIG E40 053 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.0	08S	00000	17.06	36.35	26.55		1515.4							
	08S	00010	17.06	36.35	26.55		1515.5							
	08S	00020	17.01	36.36	26.57		1515.5							
	08S	00030	17.01	36.36	26.57		1515.7							
	08S	00050	16.92	36.37	26.60		1515.8							
	08S	00075	16.92	36.37	26.60		1516.2							
	08S	00100	16.92	36.37	26.60		1516.6							
	08S	00125	16.93	36.37	26.60		1517.0							
	08S	00150	16.93	36.38	26.61		1517.5							
	08S	00200	16.95	36.38	26.60		1518.4							
	08S	00250	16.96	36.38	26.60		1519.2							
	08S	00300	16.95	36.37	26.60		1519.9							
	08S	00370	15.93	36.19	26.70		1517.8							
	08S	00400	15.92	36.22	26.72		1518.3							
	08S	00450	15.87	36.21	26.73		1519.0							
	08S	00500	14.85	35.98	26.78		1516.3							
	08S	00600	12.96	35.68	26.95		1511.4							
	08S	00700	10.37	35.30	27.14		1503.0							
	08S	00800	08.41	35.18	27.37		1497.9							
	08S	00900	06.89	35.14	27.56		1493.6							
	08S	01000	06.05	35.08	27.63		1491.9							
	08S	01100	05.19	35.03	27.70		1490.0							
	08S	01200	04.92	35.04	27.74		1490.6							
	08S	01300	04.84	35.05	27.75		1492.0							
	08S	01400	04.75	35.05	27.77		1493.3							
	08S	01500	04.48	35.05	27.80		1493.8							

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REFID 31 8162 YEAR 1970 BOTDP 05212 AIR TEMP 18.5 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0054 MONTH 04 SHIP A1 WET BULB 15.9 29 3 5 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 33 25 N DAY 21 DATA USE 1 BAROMETR 1019.3 SEA WIND-FUR DURATION 00.3 2 SQUARE 26  
 LONG 046 57 W HOUR 12.1 AREA 05 CLOUD T/A CL/TK WEATHER X1 ORIG E40 054 1 SQUARE 36

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	18.21	36.52	26.40		1518.9							
	08S	00010	18.20	36.52	26.40		1519.1							
	08S	00020	18.21	36.53	26.41		1519.3							
	08S	00030	18.21	36.53	26.41		1519.4							
	08S	00050	18.20	36.53	26.41		1519.7							
	08S	00075	18.02	36.52	26.45		1519.6							
	08S	00100	17.63	36.48	26.51		1518.8							
	08S	00125	17.33	36.41	26.53		1518.3							
	08S	00150	17.13	36.40	26.57		1518.1							
	08S	00200	17.04	36.40	26.60		1518.6							
	08S	00250	16.94	36.39	26.61		1519.1							
	08S	00300	16.94	36.39	26.61		1520.0							
	08S	00400	16.35	36.25	26.64		1519.7							
	08S	00500	14.97	36.01	26.77		1516.7							
	08S	00600	13.08	35.70	26.94		1511.9							
	08S	00700	10.69	35.40	27.13		1505.6							
	08S	00800	09.06	35.22	27.30		1500.4							
	08S	00820	08.30	35.07	27.30		1497.6							
	08S	00900	07.16	35.14	27.53		1494.7							
	08S	01000	06.22	35.11	27.63		1492.6							
	08S	01100	05.72	35.13	27.71		1492.3							
	08S	01200	05.33	35.12	27.75		1492.4							
	08S	01300	05.13	35.12	27.76		1493.2							
	08S	01400	04.66	35.08	27.80		1492.9							
	08S	01500	04.38	35.05	27.81		1493.4							

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TABLE XIX.—Continued

REFID 31 8162 YEAR 1970 BUOY 0948C AIR TEMP 18.5 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0055 MONTH 04 SHIP A1 WET BULB 15.4 21 2 2 WIND-SPD 21 TRACE DIR 5 SQUARE 4  
 LAT 35 20 N DAY 23 DATA USE 1 BAROMETR 1014.9 SEA WIND-FUR 10 DURATION 2 SQUARE 46  
 LONG 047 34 W HOUR 19.5 AREA 05 CLOUD T/A 8/2 CLZTR WEATHER X4 ORIG E40 055 1 SQUARE 57

CASSTNM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
19.5	OBS	00000	17.08	36.400	26.55		1515.5							
19.5	OBS	00018	16.96	36.385	26.58		1515.4							
19.5	OBS	00037	16.92	36.372	26.60		1515.6							
19.5	OBS	00056	16.92	36.396	26.62		1515.7							
19.5	OBS	00078	16.88	36.366	26.61		1516.1							
19.5	OBS	00112	16.85	36.359	26.61		1516.6							

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REFID 31 8162 YEAR 1970 BUOY 0948C AIR TEMP 18.1 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0056 MONTH 04 SHIP A1 WET BULB 15.2 27 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 17 N DAY 24 DATA USE 1 BAROMETR 1011.9 SEA WIND-FUR 10 DURATION 2 SQUARE 46  
 LONG 047 49 W HOUR 13.4 AREA 05 CLOUD T/A 7/8 CLZTR WEATHER X2 ORIG E40 056 1 SQUARE 57

CASSTNM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.4	OBS	00000	17.02	36.327	26.54		1515.2							
13.4	OBS	00026	16.99	36.359	26.58		1515.6							
13.4	OBS	00052	16.99	36.369	26.58		1516.0							
13.4	OBS	00078	16.92											
13.4	OBS	00094	16.88											
13.4	OBS	00156	16.92	36.363	26.60		1517.5							
13.4	OBS	00208	16.94	36.369	26.60		1518.4							

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REFID 31 8162 YEAR 1970 BUOY 0948C AIR TEMP 18.7 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0057 MONTH 04 SHIP A1 WET BULB 15.4 21 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 25 DATA USE 1 BAROMETR 1012.2 SEA WIND-FUR 10 DURATION 2 SQUARE 46  
 LONG 047 45 W HOUR 13.6 AREA 05 CLOUD T/A 8/5 CLZTR WEATHER X1 ORIG E40 057 1 SQUARE 57

CASSTNM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.6	OBS	00000	17.90	36.435	26.41		1517.4							
13.6	OBS	00027	17.35	36.400	26.52		1516.7							
13.6	OBS	00053	17.14	36.401	26.57		1516.9							
13.6	OBS	00081	17.06	36.384	26.58		1516.7							
13.6	OBS	00109	16.94	36.368	26.59		1516.4							
13.6	OBS	00162	16.86	36.370	26.62		1517.4							
13.6	OBS	00216	16.85	36.402	26.61		1518.3							
13.6	OBS	00225	16.16	36.262	26.65		1517.8							
13.6	OBS	00540	15.53	35.769	26.90		1492.5							
13.6	OBS	T00646	11.69	35.498	27.05		1507.7							
13.6	OBS	00865		35.063										
13.6	OBS	T01081	05.28	35.038	27.65		1490.1							
13.6	OBS	T01627	04.16	34.487	27.78		1494.6							

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REFID 31 8162 YEAR 1970 BUOY 0948C AIR TEMP 18.5 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0058 MONTH 04 SHIP A1 WET BULB 15.6 24 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 14 N DAY 26 DATA USE 1 BAROMETR 1010.5 SEA WIND-FUR 10 DURATION 2 SQUARE 46  
 LONG 047 37 W HOUR 18.4 AREA 05 CLOUD T/A 6/7 CLZTR WEATHER X1 ORIG E40 058 1 SQUARE 57

CASSTNM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
18.4	OBS	00000	17.92	36.400	26.41		1516.0							
18.4	OBS	00027	17.59	36.441	26.49		1517.9							
18.4	OBS	00054	17.47	36.421	26.52		1517.6							
18.4	OBS	00081	17.28	36.406	26.54		1517.4							
18.4	OBS	00117	17.13	36.386	26.56		1517.5							
18.4	OBS	00163	16.94	36.352	26.58		1517.7							
18.4	OBS	T00217	16.90	36.358	26.60		1518.4							
18.4	OBS	00329	16.50	36.271	26.67		1515.0							
18.4	OBS	00541	11.16	35.720	26.94		1511.3							
18.4	OBS	T00627	11.17	35.414	27.05		1500.0							
18.4	OBS	00668	06.62	35.044	27.52		1492.2							
18.4	OBS	T01110	05.08	35.018	27.70		1484.7							
18.4	OBS	T01711	04.00	34.460	27.78		1495.1							

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TABLE XX.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 1 May 1970 - 31 May 1970, prepared from NODC listing No. 31 - 8173.

REFID 31 8173 YEAR 1970 BOTDP 04938 AIR TEMP 20.0 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0001 MONTH 05 SHIP EN WET BULB 18.7 13 1 3 WIND-SPD 36 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 01 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 49  
 LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 001 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRTH	SND VEL	OXYG	PS4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	17.63	36.35	26.41		1517.0							
	OBS	00010	17.56	36.39	26.46		1517.0							
	OBS	00020	17.36	36.39	26.51		1516.6							
	OBS	00040	17.33	36.40	26.53		1516.7							
	OBS	00050	17.19	36.39	26.55		1516.6							
	OBS	00075	17.03	36.38	26.58		1516.5							
	OBS	00100	16.98	36.38	26.59		1516.8							
	OBS	00125	16.90	36.38	26.61		1517.0							
	OBS	00150	16.89	36.38	26.62		1517.3							
	OBS	00200	16.93	36.40	26.62		1518.3							
	OBS	00250	16.92	36.41	26.63		1519.1							
	OBS	00300	16.90	36.41	26.64		1519.9							
	OBS	00400	15.79	36.11	26.67		1517.8							
	OBS	00500	14.20	35.75	26.74		1514.0							
	OBS	00600	12.26	35.51	26.95		1508.9							
	OBS	00700	10.30	35.26	27.12		1503.3							
	OBS	00800	08.17	35.07	27.42		1496.8							
	OBS	00900	06.67	35.04	27.52		1492.6							
	OBS	00940	06.41	35.05	27.56		1492.0							
	OBS	00933	06.57	35.09	27.57		1492.9							
	OBS	01000	05.78	35.05	27.64		1490.8							
	OBS	01100	05.87	35.10	27.67		1491.7							
	OBS	01100	05.55	35.08	27.65		1491.5							
	OBS	01200	05.04	35.05	27.73		1491.1							
	OBS	01300	04.62	35.02	27.76		1491.0							
	OBS	01400	04.46	35.01	27.77		1492.0							
	OBS	01500	04.29	35.01	27.78		1493.0							

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REFID 31 8173 YEAR 1970 BOTDP 04700 AIR TEMP 18.3 DIR HGT PER WIND-DIR 36 INST STD RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 05 SHIP EN WET BULB 17.2 34 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 01 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 48  
 LONG 048 03 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 002 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRTH	SND VEL	OXYG	PS4	TOT P	NO2	NO3	SIO3	PH
18.2	OBS	00000	17.65	36.39	26.44		1517.1							
	OBS	00010	17.64	36.40	26.45		1517.3							
	OBS	00020	17.38	36.42	26.53		1516.7							
	OBS	00030	17.37	36.43	26.54		1516.9							
	OBS	00050	17.27	36.41	26.55		1516.9							
	OBS	00075	17.15	36.41	26.58		1516.9							
	OBS	00100	17.04	36.41	26.60		1517.0							
	OBS	00125	17.01	36.41	26.61		1517.3							
	OBS	00150	17.00	36.41	26.61		1517.7							
	OBS	00200	16.94	36.41	26.63		1518.4							
	OBS	00250	16.85	36.41	26.65		1518.9							
	OBS	00300	16.86	36.41	26.65		1519.8							
	OBS	00400	16.06	36.21	26.68		1518.7							
	OBS	00500	14.54	35.93	26.81		1515.3							
	OBS	00600	12.60	35.61	26.96		1510.1							
	OBS	00700	10.20	35.28	27.15		1503.0							
	OBS	00800	07.99	35.11	27.38		1496.2							
	OBS	00900	06.33	35.06	27.58		1491.3							
	OBS	00940	05.99	35.05	27.61		1490.6							
	OBS	00980	06.07	35.13	27.67		1491.7							
	OBS	01000	05.94	35.11	27.67		1491.5							
	OBS	01100	05.33	35.09	27.73		1490.7							
	OBS	01200	04.95	35.05	27.74		1490.7							
	OBS	01300	04.71	35.05	27.77		1491.4							
	OBS	01400	04.46	35.03	27.78		1492.0							
	OBS	01500	04.25	35.01	27.79		1492.8							
	OBS	01750	03.95	35.00	27.81		1495.8							
	OBS	02000	03.64	34.99	27.84		1498.7							
	OBS	02500	03.28	34.98	27.86		1505.7							
	OBS	03000	02.85	34.97	27.90		1512.5							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 05040 AIR TEMP 17.8 DIR HGT PEP WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSFC 0003 MONTH 05 SHIP EN WET BULB 16.9 DB 1 3 WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 02 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 00.1 AREA 05 CLCUO T/4 CL/TR WEATHER X6 ORIG E41 003 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	XYG	P14	TOT P	N02	N03	S103	P4
00.1	OBS	00000	17.25	36.41	26.40		1517.8							
	OBS	00610	17.48	36.43	26.51		1516.9							
	OBS	00020	17.37	36.43	26.54		1516.7							
	OBS	00030	17.32	36.43	26.55		1516.7							
	OBS	00050	17.18	36.43	26.59		1516.6							
	OBS	00075	17.08	36.41	26.59		1516.7							
	OBS	00100	16.94	36.40	26.62		1516.7							
	OBS	00125	16.93	36.40	26.62		1517.1							
	OBS	00150	16.93	36.39	26.61		1517.5							
	OBS	00200	16.94	36.38	26.60		1518.3							
	OBS	00250	16.93	36.38	26.61		1519.1							
	OBS	00300	16.92	36.38	26.61		1519.9							
	OBS	00335	16.69	36.31	26.61		1514.7							
	OBS	00350	16.78	36.36	26.63		1520.3							
	OBS	00360	16.77	36.36	26.63		1520.4							
	OBS	00400	16.32	36.25	26.65		1519.6							
	OBS	00500	14.70	35.93	26.77		1515.8							
	OBS	00600	12.93	35.60	26.85		1511.2							
	OBS	00700	10.55	35.27	27.09		1504.2							
	OBS	00800	08.43	35.12	27.32		1497.9							
	OBS	00855	07.38	35.09	27.46		1494.7							
	OBS	00900	06.93	35.09	27.52		1493.7							
	OBS	00970	05.91	35.01	27.59		1490.7							
	OBS	01000	06.00	35.09	27.64		1491.7							
	OBS	01030	06.04	35.08	27.63		1492.3							
	OBS	01100	05.48	35.09	27.71		1491.3							
	OBS	01200	05.11	35.07	27.74		1491.4							
	OBS	01300	04.90	35.07	27.76		1492.2							
	OBS	01400	04.61	35.04	27.77		1492.7							
	OBS	01500	04.26	35.02	27.80		1492.9							

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REFID 31 8173 YEAR 1970 BOTOP 04663 AIR TEMP 18.0 DIR HGT PEP WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSFC 0004 MONTH 05 SHIP EN WET BULB 17.2 DB 2 3 WIND-SPO 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 02 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 11 W HOUR 06.8 AREA 05 CLCUO T/4 CL/TR WEATHER X7 ORIG E41 004 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	XYG	P14	TOT P	N02	N03	S103	P4
06.8	OBS	00000	17.69	36.41	26.45		1517.3							
	OBS	00010	17.70	36.41	26.44		1517.5							
	OBS	00020	17.69	36.41	26.45		1517.6							
	OBS	00030	17.27	36.44	26.57		1516.6							
	OBS	00050	17.21	36.42	26.57		1516.7							
	OBS	00075	17.03	36.41	26.61		1515.6							
	OBS	00100	16.95	36.42	26.63		1515.8							
	OBS	00125	16.93	36.42	26.64		1517.1							
	OBS	00150	16.91	36.42	26.64		1517.5							
	OBS	00200	16.92	36.43	26.65		1518.3							
	OBS	00250	16.90	36.42	26.64		1519.1							
	OBS	00300	16.87	36.42	26.65		1519.8							
	OBS	00400	16.72	36.39	26.66		1521.0							
	OBS	00500	14.84	36.01	26.80		1516.3							
	OBS	00600	13.17	35.73	26.94		1512.2							
	OBS	00700	10.76	35.40	27.15		1505.1							
	OBS	00800	08.65	35.17	27.33		1498.8							
	OBS	00900	07.07	35.03	27.45		1494.2							
	OBS	00970	06.03	35.00	27.57		1491.2							
	OBS	01000	06.07	35.09	27.64		1492.0							
	OBS	01100	05.62	35.08	27.68		1491.8							
	OBS	01200	05.11	35.06	27.73		1491.4							
	OBS	01300	04.61	35.01	27.75		1491.0							
	OBS	01400	04.35	34.95	27.76		1491.5							
	OBS	01500	04.22	34.99	27.78		1492.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 ROTOP 04709 AIR TEMP 18.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 05 SHIP EN WET BULB 17.6 WIND-SPO 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1020.0 SEA WIND-FJR QUARTION 00.3 2 SQUARE 43  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ENL 005 1 SQUARE 5P

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	DBS	00000	17.89	36.30	26.31		1517.7							
	DBS	00010	17.70	36.39	26.43		1517.5							
	DBS	00020	17.56	36.37	26.45		1517.2							
	DBS	00030	17.32	36.41	26.54		1516.7							
	DBS	00050	17.08	36.40	26.59		1516.3							
	DBS	00060	16.98	36.41	26.62		1516.2							
	DBS	00075	16.95	36.41	26.63		1516.3							
	DBS	00100	16.91	36.39	26.62		1516.6							
	DBS	00125	16.88	36.39	26.63		1516.9							
	DBS	00150	16.88	36.39	26.63		1517.3							
	DBS	00200	16.90	36.40	26.63		1518.2							
	DBS	00250	16.87	36.41	26.64		1519.0							
	DBS	00300	16.89	36.41	26.64		1519.8							
	DBS	00400	16.17	36.23	26.67		1519.1							
	DBS	00420	15.85	36.13	26.67		1518.3							
	DBS	00440	15.72	36.14	26.71		1518.3							
	DBS	00500	14.97	35.95	26.73		1516.7							
	DBS	00600	13.45	35.73	26.88		1513.1							
	DBS	00680	11.70	35.53	27.08		1508.3							
	DBS	00700	11.58	35.49	27.07		1508.1							
	DBS	00750	10.11	35.25	27.14		1503.4							
	DBS	00800	08.66	35.17	27.33		1498.8							
	DBS	00840	07.09	35.11	27.43		1495.7							
	DBS	00900	07.16	35.10	27.49		1494.7							
	DBS	01000	05.76	35.03	27.63		1490.7							
	DBS	01010	05.66	35.06	27.66		1490.5							
	DBS	01040	05.86	35.12	27.69		1491.8							
	DBS	01100	05.51	35.10	27.71		1491.4							
	DBS	01200	05.15	35.09	27.75		1491.6							
	DBS	01300	04.72	35.05	27.77		1491.5							
	DBS	01400	04.54	35.06	27.79		1492.6							
	DBS	01500	04.28	35.03	27.80		1493.0							

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REFID 31 8173 YEAR 1970 ROTOP 04389 AIR TEMP 18.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 05 SHIP EN WET BULB 16.7 WIND-SPO 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 02 DATA USE 1 BAROMETR 1028.1 SEA WIND-FJR QUARTION 00.7 2 SQUARE 48  
 LONG 048 06 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ENL 006 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.0	DBS	00000	18.04	36.37	26.33		1519.3							
	DBS	00010	17.81	36.39	26.40		1517.8							
	DBS	00020	17.72	36.39	26.42		1517.7							
	DBS	00030	17.34	36.43	26.55		1516.8							
	DBS	00050	17.19	36.42	26.58		1516.6							
	DBS	00075	17.06	36.41	26.60		1516.7							
	DBS	00100	16.97	36.40	26.61		1516.8							
	DBS	00125	16.93	36.40	26.62		1517.1							
	DBS	00150	16.94	36.40	26.62		1517.5							
	DBS	00200	16.93	36.41	26.63		1518.3							
	DBS	00250	16.83	36.40	26.65		1518.8							
	DBS	00300	16.84	36.41	26.65		1519.7							
	DBS	00320	16.87	36.41	26.64		1520.1							
	DBS	00400	16.20	36.23	26.66		1519.2							
	DBS	00500	15.00	35.93	26.71		1516.7							
	DBS	00600	13.29	35.65	26.85		1512.5							
	DBS	00700	10.61	35.27	27.07		1504.4							
	DBS	00800	08.56	35.16	27.33		1498.4							
	DBS	00900	06.60	35.05	27.53		1492.4							
	DBS	01000	05.97	35.10	27.66		1491.6							
	DBS	01100	05.55	35.09	27.70		1491.6							
	DBS	01200	05.08	35.05	27.73		1491.3							
	DBS	01240	04.90	35.05	27.75		1491.2							
	DBS	01300	04.81	35.06	27.77		1491.8							
	DBS	01400	04.68	35.04	27.77		1493.0							
	DBS	01500	04.38	35.01	27.77		1493.4							
	DBS	01750	03.46	35.00	27.81		1495.1							
	DBS	02000	03.81	35.02	27.84		1499.1							
	DBS	02500	03.34	35.00	27.87		1506.0							
	DBS	03000	02.90	34.99	27.91		1512.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP AIR TEMP 17.9 OIR HGT PER WIND-OIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 05 SHIP EN WET BULB 16.2 09 1 3 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 03 DATA USE 1 BAROMETP 1029.5 SEA WIND-FOR DURATION 07.3 2 SQUARE 48  
 LCNF 048 04 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	XYG	P34	TOT P	NO2	NO3	SIG3	PH
00.1	085	00000	18.29	36.39	26.28		1519.0							
	085	00010	17.91	36.37	26.38		1518.1							
	085	00020	17.42	36.41	26.51		1516.8							
	085	00030	17.11	36.42	26.59		1516.1							
	085	00050	17.07	36.42	26.60		1516.3							
	085	00075	16.97	35.42	26.63		1516.4							
	085	00100	16.94	36.42	26.64		1516.7							
	085	00125	16.93	36.43	26.65		1517.1							
	085	00150	16.92	36.43	26.65		1517.5							
	085	00200	16.90	36.44	26.66		1518.3							
	085	00250	16.38	36.45	26.66		1519.0							
	085	00300	16.81	36.41	26.66		1519.6							
	085	00370	16.45	36.33	26.68		1519.6							
	085	00400	16.14	36.26	26.70		1519.0							
	085	00500	14.67	35.92	26.77		1515.7							
	085	00600	13.05	35.67	26.92		1511.7							
	085	00700	10.60	35.34	27.13		1504.5							
	085	00800	08.66	35.16	27.32		1498.8							
	085	00900	06.61	35.04	27.52		1492.4							
	085	00975	05.87	35.05	27.63		1490.7							
	085	01000	05.93	35.15	27.65		1491.5							
	085	01100	05.59	35.12	27.72		1491.8							
	085	01200	05.56	35.11	27.72		1493.3							
	085	01300	04.91	35.08	27.77		1492.3							
	085	01400	04.55	35.08	27.81		1492.5							
	085	01500	04.38	35.05	27.81		1493.4							

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REFID 31 8173 YEAR 1970 BOTOP 05212 AIR TEMP 18.5 OIR HGT PER WIND-OIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 05 SHIP EN WET BULB 15.6 36 1 3 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 36 03 N DAY 03 DATA USE 1 BAROMETP 1030.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 66  
 LONG 047 06 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 008 1 SQUARE 67

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	XYG	P34	TOT P	NO2	NO3	SIG3	PH
12.3	085	00000	17.75	36.44	26.45		1517.5							
	085	00010	17.73	36.43	26.45		1517.6							
	085	00020	17.68	36.43	26.46		1517.6							
	085	00030	17.59	36.44	26.49		1517.5							
	085	00050	17.34	36.43	26.55		1517.1							
	085	00075	17.14	36.41	26.58		1516.9							
	085	00100	17.06	36.41	26.59		1517.1							
	085	00125	16.99	36.38	26.59		1517.2							
	085	00150	16.92	36.38	26.61		1517.4							
	085	00200	16.66	36.37	26.62		1516.1							
	085	00250	16.78	36.35	26.62		1518.6							
	085	00300	16.63	36.32	26.63		1519.0							
	085	00400	15.59	36.09	26.70		1517.1							
	085	00500	14.16	35.85	26.83		1514.0							
	085	00600	12.51	35.59	26.97		1509.8							
	085	00700	10.29	35.31	27.16		1503.3							
	085	00800	08.35	35.09	27.31		1497.5							
	085	00870	07.32	35.18	27.54		1494.9							
	085	00900	07.35	35.22	27.56		1495.5							
	085	00940	07.23	35.23	27.59		1495.7							
	085	01000	06.41	35.18	27.66		1493.5							
	085	01100	05.69	35.10	27.65		1492.1							
	085	01140	05.56	35.12	27.72		1492.3							
	085	01200	04.99	35.02	27.71		1490.9							
	085	01240	04.80	35.01	27.73		1490.7							
	085	01300	04.66	35.02	27.75		1491.2							
	085	01400	04.35	34.98	27.75		1491.5							
	085	01500	04.13	34.98	27.78		1492.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 05303 AIR TEMP 18.9 DIP HGT PER WIND-OIR 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 05 SHIP EN WET BULB 15.0 49 1 5 WIND-SPO 06 TRACE OIR 0 5 SQUARE 4  
 LAT 36 12 N DAY 03 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 66  
 LONG 046 47 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 009 1 SQUARE 66

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.6	OBS	00000	17.83	36.42	26.42		1517.7							
	OBS	00010	17.81	36.41	26.42		1517.8							
	OBS	00020	17.77	36.40	26.42		1517.8							
	OBS	00030	17.65	36.36	26.42		1517.6							
	OBS	00050	17.36	36.39	26.51		1517.1							
	OBS	00075	17.18	36.39	26.55		1517.0							
	OBS	00100	16.99	36.36	26.58		1516.8							
	OBS	00125	16.93	36.37	26.60		1517.0							
	OBS	00150	16.93	36.37	26.60		1517.4							
	OBS	00200	16.81	36.36	26.62		1517.9							
	OBS	00250	16.70	36.34	26.63		1518.4							
	OBS	00300	16.56	36.30	26.63		1518.7							
	OBS	00400	15.85	36.17	26.70		1518.0							
	OBS	00500	14.40	35.91	26.82		1516.6							
	OBS	00600	12.77	35.63	26.94		1510.7							
	OBS	00700	10.57	35.31	27.11		1506.3							
	OBS	00800	08.89	35.09	27.23		1499.6							
	OBS	00900	06.89	35.02	27.47		1493.5							
	OBS	00980	06.10	35.07	27.62		1491.7							
	OBS	01000	06.36	35.12	27.62		1493.2							
	OBS	01040	05.57	35.03	27.65		1490.6							
	OBS	01100	05.24	35.02	27.68		1490.4							
	OBS	01200	04.98	35.02	27.71		1490.8							
	OBS	01300	04.61	35.00	27.74		1490.9							
	OBS	01400	04.45	35.02	27.77		1492.0							
	OBS	01500	04.27	35.00	27.78		1492.9							
	OBS	01750	03.50	35.01	27.82		1495.9							
	OBS	02000	03.76	34.99	27.82		1499.2							
	OBS	02500	03.38	35.00	27.87		1506.1							
	OBS	03000	02.90	35.00	27.91		1513.0							

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REFID 31 8173 YEAR 1970 BOTOP 05212 AIR TEMP 17.4 DIP HGT PER WIND-OIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 05 SHIP EN WET BULB 14.6 00 0 X WIND-SPO 05 TRACE OIR 0 5 SQUARE 4  
 LAT 35 43 N DAY 04 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 16 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER XC ORIG E41 010 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	18.15	36.43	26.35		1518.6							
	OBS	00010	17.93	36.41	26.39		1518.1							
	OBS	00020	17.57	36.40	26.47		1517.2							
	OBS	00030	17.48	36.39	26.48		1517.1							
	OBS	00050	17.26	36.38	26.53		1516.8							
	OBS	00075	17.06	36.38	26.58		1516.6							
	OBS	00100	17.02	36.38	26.59		1516.9							
	OBS	00125	16.99	36.37	26.58		1517.2							
	OBS	00150	16.96	36.37	26.59		1517.5							
	OBS	00200	16.93	36.38	26.61		1518.3							
	OBS	00250	16.89	36.37	26.61		1519.0							
	OBS	00300	16.79	36.36	26.62		1519.5							
	OBS	00345	16.61	36.31	26.63		1519.6							
	OBS	00355	16.69	36.34	26.63		1520.1							
	OBS	00400	16.04	36.13	26.62		1518.6							
	OBS	00500	14.36	35.85	26.78		1514.6							
	OBS	00600	12.67	35.61	26.95		1510.4							
	OBS	00700	10.40	35.30	27.14		1503.7							
	OBS	00800	08.46	35.10	27.30		1498.0							
	OBS	00850	07.39	35.05	27.42		1494.6							
	OBS	00865	07.24	35.03	27.43		1494.3							
	OBS	00673	07.29	35.09	27.47		1494.7							
	OBS	00880	07.08	35.05	27.47		1493.9							
	OBS	00890	07.26	35.14	27.51		1494.9							
	OBS	00900	07.22	35.19	27.56		1495.0							
	OBS	00930	06.85	35.14	27.57		1494.0							
	OBS	01000	06.34	35.14	27.64		1493.1							
	OBS	01080	05.95	35.14	27.69		1492.9							
	OBS	01100	05.73	35.11	27.69		1492.3							
	OBS	01200	05.39	35.10	27.73		1492.6							
	OBS	01300	04.98	35.08	27.76		1492.6							
	OBS	01400	04.77	35.07	27.78		1493.4							
	OBS	01500	04.58	35.07	27.80		1494.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 01189 AIR TEMP 17.1 DIF HGT FLP WIND-DIR 10 INST STD RECDPCR TEN SQ 1206  
 CONSEC 0011 MONTH 05 SHIP CN WET BULB 13.7 10 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 04 DATA USE 1 BAROMETR 1029.0 SEA 2 WIND-FDR DURATION 00.3 2 SQUARE 46  
 LONG 047 04 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIG E41 C11 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	N02	N03	S103	PH
06.0	08S	00000	17.90	36.38	26.57		1517.9							
	08S	00010	17.89	36.39	26.58		1518.0							
	08S	00020	17.81	36.37	26.59		1517.9							
	08S	00030	17.47	36.38	26.46		1517.1							
	08S	00050	17.05	36.37	26.57		1516.2							
	08S	00075	16.94	36.38	26.60		1516.3							
	08S	00100	16.41	36.38	26.61		1516.6							
	08S	00125	16.93	36.39	26.61		1517.1							
	08S	00150	16.97	36.39	26.62		1517.4							
	08S	00200	16.79	36.36	26.62		1517.4							
	08S	00250	16.83	36.39	26.64		1518.8							
	08S	00275	16.84	36.39	26.64		1519.4							
	08S	00300	16.69	36.35	26.64		1519.2							
	08S	00400	15.21	36.09	26.65		1517.8							
	08S	00500	14.41	35.87	26.77		1515.1							
	08S	00550	13.73	35.80	26.86		1515.3							
	08S	00558	13.29	35.71	26.90		1511.9							
	08S	00570	13.20	35.73	26.94		1511.8							
	08S	00600	13.04	35.69	26.94		1511.7							
	08S	00670	11.15	35.43	27.10		1506.1							
	08S	00700	10.91	35.40	27.12		1505.7							
	08S	00770	08.96	35.17	27.28		1499.4							
	08S	00800	08.72	35.19	27.33		1499.1							
	08S	00860	07.55	35.14	27.47		1465.5							
	08S	00900	07.56	35.16	27.48		1466.3							
	08S	01000	06.35	35.11	27.61		1403.1							
	08S	01060	05.53	35.05	27.67		1491.1							

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REFID 31 8173 YEAR 1970 BOTOP 04670 AIR TEMP 18.8 DIF HGT FLP WIND-DIR 07 INST STD RECDPCR TEN SQ 1206  
 CONSEC 0012 MONTH 05 SHIP CN WET BULB 17.8 00 0 X WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 04 DATA USE 1 BAROMETR 1030.8 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 01 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E41 012 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	N02	N03	S103	PH
12.1	08S	00000	17.90	36.39	26.38		1517.9							
	08S	00010	17.85	36.38	26.38		1517.9							
	08S	00020	17.45	36.38	26.48		1516.9							
	08S	00030	17.32	36.38	26.51		1516.7							
	08S	00050	17.10	36.39	26.57		1516.3							
	08S	00075	17.01	36.40	26.60		1516.5							
	08S	00100	16.97	36.40	26.61		1516.8							
	08S	00125	16.94	36.40	26.62		1517.1							
	08S	00150	16.93	36.40	26.62		1517.5							
	08S	00200	16.80	36.38	26.62		1518.1							
	08S	00250	16.88	36.40	26.63		1519.0							
	08S	00300	16.83	36.39	26.64		1519.6							
	08S	00350	16.65	36.35	26.65		1519.9							
	08S	00400	16.20	36.25	26.63		1519.2							
	08S	00500	14.78	35.47	26.79		1516.1							
	08S	00505	12.59	35.63	26.98		1506.9							
	08S	00600	12.56	35.63	26.94		1510.0							
	08S	00623	12.54	35.64	27.00		1510.3							
	08S	00643	11.65	35.47	27.04		1507.4							
	08S	00650	11.63	35.50	27.07		1507.5							
	08S	00693	10.25	35.39	27.11		1505.7							
	08S	00700	10.40	35.39	27.13		1503.7							
	08S	00800	08.73	35.17	27.31		1499.1							
	08S	00900	07.18	35.12	27.61		1494.7							
	08S	01000	05.90	35.23	27.61		1461.2							
	08S	01070	05.70	35.01	27.62		1460.7							
	08S	01050	05.90	35.12	27.68		1462.2							
	08S	01100	05.63	35.09	27.66		1461.9							
	08S	01200	05.08	35.07	27.74		1461.3							
	08S	01260	04.78	35.05	27.76		1461.0							
	08S	01300	04.74	35.06	27.77		1461.6							
	08S	01360	04.66	35.06	27.78		1462.2							
	08S	01400	04.46	35.04	27.79		1462.1							
	08S	01500	04.19	35.02	27.80		1492.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BDTOP 04480 AIR TEMP 19.7 DIR HGT PEP WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 05 SHIP EN WET BULB 15.7 OC 0 X WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 04 DATA USE 1 BAROMETR 1030.0 SEA 2 WIND-FOR DURATION 00.9 2 SQUARE 48  
 LONG 048 01 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 013 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.0	DBS	00000	18.32	36.44	26.31		1519.1							
	DBS	00010	17.92	36.43	26.40		1518.1							
	DBS	00020	17.52	36.45	26.52		1517.2							
	DBS	00030	17.36	36.45	26.56		1516.9							
	DBS	00050	17.16	36.44	26.60		1516.6							
	DBS	00075	16.99	36.42	26.62		1516.5							
	DBS	00100	16.95	36.43	26.64		1516.8							
	DBS	00125	16.93	36.43	26.65		1517.1							
	DBS	00150	16.90	36.43	26.65		1517.4							
	DBS	00180	16.93	36.44	26.65		1518.0							
	DBS	00200	16.76	36.39	26.66		1517.8							
	DBS	00250	16.80	36.41	26.66		1518.8							
	DBS	00300	16.70	36.38	26.66		1519.2							
	DBS	00400	16.20	36.29	26.71		1519.3							
	DBS	00500	14.44	35.94	26.83		1515.0							
	DBS	00600	12.80	35.60	26.92		1510.8							
	DBS	00700	9.94	35.25	27.16		1502.0							
	DBS	00800	08.10	35.13	27.38		1456.6							
	DBS	00900	06.51	35.08	27.57		1492.1							
	DBS	01000	05.77	35.10	27.68		1450.8							
	DBS	01025	05.90	35.16	27.71		1451.8							
	DBS	01100	05.49	35.14	27.75		1451.4							
	DBS	01200	05.17	35.13	27.78		1491.7							
	DBS	01300	04.84	35.10	27.79		1492.0							
	DBS	01400	04.48	35.06	27.80		1491.8							
	DBS	01420	04.57	35.09	27.82		1492.6							
	DBS	01500	04.31	35.07	27.83		1495.1							
	DBS	01750	03.97	35.04	27.84		1455.9							
	DBS	02000	03.70	35.03	27.86		1499.0							
	DBS	02500	03.26	35.02	27.90		1505.7							
	DBS	03000	02.77	35.01	27.94		1512.2							

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REFID 31 8173 YEAR 1970 BDTOP 04297 AIR TEMP 18.1 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 05 SHIP EN WET BULB 17.8 OC 0 X WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1030.0 SEA CL/TP WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 02 W HOUR 00.1 AREA 05 CLOUD T/A WEATHER X2 ORIG E41 014 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.1	DBS	00000	18.35	36.37	26.25		1519.1							
	DBS	00010	17.59	36.38	26.45		1517.1							
	DBS	00020	17.28	36.41	26.55		1516.4							
	DBS	00030	17.21	36.41	26.56		1516.4							
	DBS	00050	17.09	36.41	26.59		1516.3							
	DBS	00075	17.00	36.41	26.61		1516.5							
	DBS	00100	16.89	36.41	26.64		1516.6							
	DBS	00125	16.80	36.38	26.64		1516.7							
	DBS	00150	16.79	36.41	26.66		1517.1							
	DBS	00200	16.82	36.41	26.66		1518.0							
	DBS	00250	16.78	36.41	26.67		1518.7							
	DBS	00300	16.50	36.34	26.68		1518.6							
	DBS	00400	15.70	36.16	26.73		1517.6							
	DBS	00500	14.32	35.89	26.82		1514.5							
	DBS	00600	12.63	35.65	26.99		1510.3							
	DBS	00700	10.29	35.26	27.12		1503.3							
	DBS	00800	07.83	35.09	27.39		1495.6							
	DBS	00900	06.35	35.07	27.58		1491.4							
	DBS	00980	05.83	35.09	27.67		1490.7							
	DBS	01000	05.84	35.12	27.69		1491.1							
	DBS	01100	05.43	35.12	27.74		1491.1							
	DBS	01200	05.04	35.09	27.76		1491.2							
	DBS	01300	04.76	35.08	27.79		1491.7							
	DBS	01400	04.59	35.07	27.80		1492.6							
	DBS	01500	04.42	35.05	27.80		1493.6							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04480	AIR TEMP 17.9	DIP HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0015	MONTH 05	SHIP EN	WET BULB 15.8	00 0 X	WIND-SPD 05	TRACE DTP 0	5 SQUARE 2
LAT 34 59 N	DAY 05	DATA USE 1	BAROMETR 1029.0	SEA	WIND-FGR	DURATION 00.3	2 SQUARE 48
LONG 048 05 W	HRUR 06.0	AREA 05	CLGUD T/A	CL/TR	WEATHER XL	ORIG E41 015	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
06.0	OBS	00000	18.32	36.40	26.28		1519.1							
	OBS	00010	17.71	36.40	26.42		1517.5							
	OBS	00020	17.43	36.40	26.50		1516.8							
	OBS	00030	17.14	36.42	26.59		1516.2							
	OBS	00050	17.04	36.42	26.61		1516.2							
	OBS	00075	16.90	36.41	26.64		1516.2							
	OBS	00100	16.80	36.40	26.65		1516.3							
	OBS	00125	16.75	36.39	26.66		1516.5							
	OBS	00135	16.71	36.38	26.66		1516.6							
	OBS	00150	16.79	36.41	26.66		1517.1							
	OBS	00200	16.77	36.40	26.66		1517.8							
	OBS	00250	16.62	36.34	26.65		1518.1							
	OBS	00300	16.50	36.35	26.67		1518.6							
	OBS	00370	16.30	36.28	26.66		1519.1							
	OBS	00400	15.93	36.20	26.70		1518.3							
	OBS	00455	15.14	36.05	26.77		1516.6							
	OBS	00500	14.24	35.89	26.84		1514.3							
	OBS	00600	12.69	35.64	26.97		1510.5							
	OBS	00700	09.96	35.27	27.19		1502.1							
	OBS	00710	09.64	35.22	27.20		1501.0							
	OBS	00740	09.57	35.23	27.22		1501.3							
	OBS	00800	08.29	35.13	27.35		1497.4							
	OBS	00820	08.20	35.11	27.35		1497.3							
	OBS	00850	07.80	35.11	27.41		1496.3							
	OBS	00900	06.66	35.04	27.52		1492.6							
	OBS	01000	05.76	35.03	27.63		1490.7							
	OBS	01090	05.81	35.09	27.67		1491.8							
	OBS	01100	05.61	35.11	27.71		1491.8							
	OBS	01200	05.16	35.09	27.75		1491.6							
	OBS	01300	04.83	35.06	27.76		1491.9							
	OBS	01400	04.61	35.05	27.78		1492.7							
	OBS	01500	04.38	35.03	27.79		1493.4							

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REFID 31 8173	YEAR 1970	BOTDP 03840	AIR TEMP 18.8	DIP HGT PER	WIND-DIR 10	INST STD RECORDER	TEN SQ 1206
CONSEC 0016	MONTH 05	SHIP EN	WET BULB 18.3	00 0 X	WIND-SPD 03	TRACE DTP 0	5 SQUARE 4
LAT 35 02 N	DAY 05	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FGR	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HRUR 17.2	AREA 05	CLGUD T/A	CL/TR	WEATHER X2	ORIG E41 016	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
17.2	OBS	00000	18.15	36.42	26.34		1519.6							
	OBS	00010	17.99	36.36	26.33		1518.3							
	OBS	00020	17.56	36.39	26.46		1517.2							
	OBS	00030	17.26	36.41	26.55		1516.5							
	OBS	00050	17.03	36.40	26.60		1516.1							
	OBS	00075	16.99	36.41	26.62		1516.5							
	OBS	00100	16.93	36.41	26.63		1516.7							
	OBS	00125	16.89	36.42	26.65		1517.0							
	OBS	00150	16.92	36.43	26.65		1517.5							
	OBS	00200	16.66	36.42	26.65		1518.1							
	OBS	00250	16.75	36.40	26.67		1518.6							
	OBS	00285	16.77	36.41	26.67		1519.2							
	OBS	00300	16.62	36.35	26.66		1519.0							
	OBS	00400	15.95	36.19	26.69		1513.4							
	OBS	00500	14.75	36.00	26.82		1510.0							
	OBS	00570	13.38	35.78	26.94		1512.5							
	OBS	00590	13.27	35.74	26.93		1512.4							
	OBS	00600	12.80	35.67	26.97		1510.9							
	OBS	00615	12.66	35.64	26.97		1510.6							
	OBS	00630	12.26	35.59	27.01		1509.4							
	OBS	00640	11.79	35.51	27.04		1507.9							
	OBS	00665	11.24	35.41	27.07		1506.3							
	OBS	00670	11.14	35.41	27.09		1505.0							
	OBS	00700	10.64	35.35	27.13		1504.6							
	OBS	00740	09.34	35.22	27.25		1500.4							
	OBS	00800	08.21	35.15	27.36		1497.1							
	OBS	00858	07.19	35.10	27.49		1494.1							
	OBS	00864	06.82	35.05	27.50		1492.6							
	OBS	00872	06.89	35.11	27.54		1493.1							
	OBS	00875	06.59	35.06	27.54		1491.9							
	OBS	00900	06.39	35.06	27.57		1491.6							
	OBS	01000	05.67	35.05	27.65		1490.3							
	OBS	01010	05.63	35.07	27.68		1490.4							
	OBS	01025	05.73	35.11	27.69		1491.1							
	OBS	01050	05.71	35.13	27.71		1491.4							
	OBS	01090	05.42	35.13	27.75		1490.9							
	OBS	01100	05.47	35.12	27.74		1491.3							
	OBS	01200	05.11	35.09	27.75		1491.4							
	OBS	01300	04.76	35.06	27.77		1491.6							
	OBS	01400	04.46	35.04	27.79		1492.0							
	OBS	01500	04.19	35.01	27.80		1492.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 01097 AIR TEMP 19.6 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 05 SHIP EN WET BULB 19.1 11 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 05 DATA USE 1 BAROMETR 1028.4 SEA 1 WIND-FJR DURATION 00.2 2 SQUARE 46  
 LONG 047 47 W HDUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 017 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P34	TCT P	NQ2	NO3	S103	PH
18.5	D8S	00000	18.71	36.42	26.20		1520.2							
	D8S	00010	18.14	36.38	26.31		1518.7							
	D8S	00020	17.65	36.41	26.46		1517.5							
	D8S	00030	17.29	36.41	26.54		1516.6							
	D8S	00050	17.16	36.42	26.58		1516.6							
	D8S	00075	16.98	36.41	26.62		1516.4							
	D8S	00100	16.89	36.41	26.64		1516.6							
	D8S	00125	16.81	36.39	26.64		1516.7							
	D8S	00150	16.83	36.39	26.64		1517.2							
	D8S	00180	16.85	36.40	26.64		1517.7							
	D8S	00200	16.77	36.39	26.65		1517.8							
	D8S	00210	16.73	36.37	26.65		1517.8							
	D8S	00250	16.81	36.40	26.65		1518.8							
	D8S	00300	16.74	36.38	26.65		1519.4							
	D8S	00370	16.33	36.30	26.66		1519.2							
	D8S	00380	16.10	36.23	26.69		1518.6							
	D8S	00400	16.09	36.24	26.70		1518.9							
	D8S	00408	16.09	36.25	26.71		1519.0							
	D8S	00500	15.00	36.01	26.77		1516.8							
	D8S	00550	14.01	35.37	26.87		1514.3							
	D8S	00580	13.88	35.85	26.89		1514.4							
	D8S	00600	12.95	35.68	26.95		1511.4							
	D8S	00700	10.56	35.24	27.06		1504.2							
	D8S	00800	08.55	35.18	27.35		1458.4							
	D8S	00844	07.72	35.08	27.40		1459.8							
	D8S	00855	07.77	35.14	27.44		1456.3							
	D8S	00900	07.02	35.10	27.52		1454.1							
	D8S	00970	06.67	35.15	27.60		1453.9							
	D8S	01000	06.25	35.10	27.62		1454.7							
	D8S	01040	05.96	35.12	27.67		1452.2							

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REFID 31 8173 YEAR 1970 BOTOP 02103 AIR TEMP 17.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 001R MONTH 05 SHIP EN WET BULB 16.1 00 0 X WIND-SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 06 DATA USE 1 BAROMETR 1028.8 SEA 1 WIND-FJR DURATION 00.3 2 SQUARE 46  
 LONG 047 51 W HDUR 01.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 018 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PD4	TCT P	NQ2	NO3	S103	PH
01.3	D8S	00000	18.85	36.51	26.23		1520.7							
	D8S	00010	18.66	36.53	26.29		1520.4							
	D8S	00020	18.53	36.53	26.33		1520.2							
	D8S	00030	18.30	36.55	26.40		1519.7							
	D8S	00050	18.11	36.52	26.42		1519.5							
	D8S	00075	17.95	36.53	26.47		1519.4							
	D8S	00100	17.80	36.52	26.50		1519.4							
	D8S	00125	17.44	36.47	26.55		1518.7							
	D8S	00150	17.23	36.45	26.59		1518.4							
	D8S	00200	17.08	36.43	26.61		1518.8							
	D8S	00250	16.97	36.43	26.64		1519.3							
	D8S	00300	16.84	36.42	26.66		1519.7							
	D8S	00320	16.83	36.42	26.66		1520.0							
	D8S	00380	16.46	36.31	26.66		1519.7							
	D8S	00400	16.06	36.23	26.70		1518.8							
	D8S	00500	14.69	35.96	26.80		1515.8							
	D8S	00600	13.02	35.70	26.95		1511.7							
	D8S	00700	11.03	35.29	27.01		1505.9							
	D8S	00800	08.64	35.16	27.32		1498.7							
	D8S	00900	06.94	35.06	27.49		1493.7							
	D8S	01000	05.91	35.05	27.62		1491.3							
	D8S	01070	05.31	35.06	27.71		1490.0							
	D8S	01090	05.28	35.06	27.71		1490.3							
	D8S	01100	05.36	35.09	27.72		1490.8							
	D8S	01200	04.75	35.03	27.75		1489.9							
	D8S	01300	04.54	35.04	27.78		1490.7							
	D8S	01400	04.57	35.07	27.80		1492.5							
	D8S	01500	04.38	35.06	27.81		1493.4							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BCTOP 01554 AIF TEMP 18.1 OIR HGT PER WIND-DIR L4 INST STD RECORDER TEN SQ L206  
 CONSFC 0019 MONTH 05 SHIP FN NET BULB 16.1 WIND-SPD L2 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 06 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 07.3 2 SQUARE 46  
 LONG 047 51 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER 41 ORIG E41 019 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
06.2	URS	00000	18.73	36.49	26.25		1520.4							
	URS	00010	18.50	36.53	26.34		1518.9							
	URS	00020	18.40	36.54	26.37		1519.8							
	URS	00030	18.31	36.45	26.40		1519.7							
	URS	00050	18.11	36.42	26.43		1519.5							
	URS	00075	17.93	36.51	26.46		1519.3							
	URS	00100	17.40	36.44	26.55		1518.1							
	URS	00125	17.22	36.44	26.56		1518.0							
	URS	00150	17.07	36.42	26.60		1517.4							
	URS	00170	16.73	36.38	26.61		1517.8							
	URS	00200	16.92	36.41	26.63		1519.3							
	URS	00250	16.93	36.48	26.63		1518.8							
	URS	00300	16.84	36.41	26.64		1518.8							
	URS	00370	16.74	36.39	26.66		1520.7							
	URS	00400	16.31	36.44	26.66		1519.6							
	URS	00500	15.06	36.01	26.75		1517.0							
	URS	00600	13.37	35.70	26.88		1517.8							
	URS	00700	11.25	35.34	27.01		1506.8							
	URS	00800	08.45	35.04	27.29		1497.9							
	URS	00900	06.89	35.03	27.48		1495.5							
	URS	01000	05.84	35.02	27.61		1491.0							
	URS	01010	06.07	35.07	27.62		1492.1							
	URS	01040	05.97	35.10	27.66		1492.3							
	URS	01050	05.65	35.04	27.65		1491.1							
	URS	01057	05.74	35.10	27.69		1491.6							
	URS	01100	05.45	35.07	27.70		1491.1							
	URS	01200	04.83	35.32	27.73		1490.2							
	URS	01300	04.42	35.00	27.76		1490.2							
	URS	01400	04.23	34.99	27.78		1491.0							
	URS	01460	04.18	34.96	27.78		1491.8							

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REFID 31 8173 YEAR 1970 BCTOP 04663 AIF TEMP 19.6 OIR HGT PER WIND-DIR L4 INST STD RECORDER TEN SQ L206  
 CONSFC 0020 MONTH 05 SHIP FN NET BULB 16.6 WIND-SPD L2 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 07.3 2 SQUARE 46  
 LONG 047 49 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER 42 ORIG E41 020 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
12.3	URS	00000	18.75	36.47	26.23		1520.4							
	URS	00010	18.59	36.44	26.24		1520.1							
	URS	00020	18.08	36.41	26.35		1518.7							
	URS	00030	18.04	36.45	26.35		1518.8							
	URS	00050	17.78	36.44	26.45		1518.4							
	URS	00075	17.44	36.46	26.50		1518.4							
	URS	00100	17.49	36.43	26.51		1518.4							
	URS	00125	17.25	36.44	26.58		1518.1							
	URS	00150	17.18	36.44	26.59		1518.3							
	URS	00170	17.04	36.43	26.62		1518.7							
	URS	00200	16.99	36.43	26.63		1519.3							
	URS	00250	16.85	36.41	26.65		1519.7							
	URS	00300	16.48	36.23	26.72		1518.5							
	URS	00400	15.49	36.14	26.76		1517.5							
	URS	00460	15.35	36.11	26.77		1517.4							
	URS	00500	14.54	35.76	26.83		1515.3							
	URS	00600	12.85	35.70	26.98		1511.1							
	URS	00700	10.48	35.34	27.15		1504.1							
	URS	00800	09.17	35.14	27.37		1496.9							
	URS	00875	06.74	35.08	27.54		1492.5							
	URS	00900	06.73	35.14	27.58		1493.0							
	URS	00910	06.77	35.15	27.59		1493.4							
	URS	01000	05.65	35.34	27.65		1490.2							
	URS	01020	05.42	35.35	27.69		1486.0							
	URS	01040	05.44	35.39	27.71		1490.1							
	URS	01060	05.33	35.36	27.70		1490.0							
	URS	01100	05.31	35.10	27.73		1491.1							
	URS	01100	05.46	35.10	27.74		1491.2							
	URS	01100	05.08	35.10	27.77		1491.3							
	URS	01200	04.76	35.36	27.79		1491.7							
	URS	01400	04.46	35.27	27.81		1492.2							
	URS	01460	04.28	35.45	27.82		1494.0							

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TABLE XX.—Continued

REF ID: A1 4173 YEAR: 1970 BUTOP: 02926 AIR TEMP: 19.8 DIR HGT: P14 WIND-DIR: 13 INST. STD. RECORDER TEN SQ. 1206  
 CONSEC: 0021 MONTH: 05 SHIP EN: WFT BUER: 17.2 DIR: J 2 WIND-SPO: 12 TRACE DIR: 0 5 SQUARE 4  
 LAT: 35 07 N DAY: 06 DATA USE: 1 BAROMETR: 1026.8 SEA WIND-FUR: DURATION: 00.4 2 SQUARE 46  
 LONG: 047 51 W HOUR: 17.6 AREA: 05 CLOUD: 1/5 CL/TP: CL/TP WEATHER: XI ORIG: 641 021 1 SQUARE 57

CAS/NUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DRYG	P14	TOT P	NO2	NO3	SIG3	PH
17.6	OBS	0000	19.17	36.49	26.13		1521.6							
	DBS	0001	18.99	36.49	26.15		1521.7							
	OBS	0005	18.49	36.49	26.31		1520.0							
	DBS	0010	18.23	36.45	26.44		1518.5							
	DBS	0015	18.09	36.45	26.45		1519.3							
	OBS	0020	17.70	36.45	26.47		1518.6							
	DBS	0025	17.38	36.45	26.50		1518.1							
	DBS	0030	17.17	36.45	26.50		1517.9							
	DBS	0035	17.06	36.43	26.61		1517.9							
	OBS	0040	17.00	36.43	26.63		1518.6							
	DBS	0045	16.96	36.45	26.63		1519.2							
	DBS	0050	16.84	36.40	26.64		1519.7							
	DBS	0055	16.70	36.40	26.68		1520.3							
	DBS	0100	16.18	36.28	26.71		1519.2							
	DBS	0105	14.97	35.5	26.72		1516.7							
	OBS	0110	13.06	35.72	26.96		1511.4							
	DBS	0115	10.99	35.59	27.11		1505.8							
	DBS	0120	08.49	35.16	27.34		1496.2							
	OBS	0125	07.06	35.11	27.52		1494.3							
	DBS	0130	06.33	35.13	27.63		1493.1							
	DBS	0135	05.47	35.02	27.67		1490.1							
	DBS	0140	05.13	35.09	27.71		1489.4							
	DBS	0145	05.00	35.07	27.75		1490.6							
	DBS	0150	05.17	35.11	27.76		1491.7							
	DBS	0155	04.95	35.10	27.78		1491.4							
	DBS	0200	04.91	35.09	27.78		1492.3							
	DBS	0205	04.61	35.07	27.80		1492.7							
	DBS	0210	04.38	35.05	27.81		1493.4							
	DBS	0215	04.03	35.04	27.84		1496.2							
	DBS	0220	03.74	35.02	27.85		1499.2							
	DBS	0225	03.31	35.00	27.88		1505.8							
	DBS	0230	03.03	34.98	27.89		1509.5							

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REF ID: A1 4173 YEAR: 1970 BUTOP: 04846 AIR TEMP: 19.6 DIR HGT: P14 WIND-DIR: 13 INST. STD. RECORDER TEN SQ. 1206  
 CONSEC: 0022 MONTH: 05 SHIP EN: WFT BUER: 18.2 DIR: J 4 WIND-SPO: 14 TRACE DIR: 0 5 SQUARE 2  
 LAT: 34 56 N DAY: 07 DATA USE: 1 BAROMETR: 1026.8 SEA WIND-FUR: DURATION: 00.3 2 SQUARE 46  
 LONG: 047 48 W HOUR: 00.1 AREA: 05 CLOUD: 1/5 CL/TP: CL/TP WEATHER: XI ORIG: 641 022 1 SQUARE 47

CAS/NUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DRYG	P14	TOT P	NO2	NO3	SIG3	PH
00.1	OBS	0000	18.79	36.44	26.19		1520.5							
	DBS	0005	18.62	36.44	26.24		1520.2							
	OBS	0010	18.49	36.47	26.29		1520.0							
	DBS	0015	18.29	36.47	26.34		1518.5							
	DBS	0020	17.89	36.40	26.39		1518.3							
	DBS	0025	17.61	36.41	26.47		1517.5							
	DBS	0030	17.66	36.47	26.50		1518.5							
	DBS	0035	17.45	36.46	26.54		1518.3							
	OBS	0040	17.30	36.45	26.57		1518.2							
	DBS	0045	17.11	36.45	26.59		1518.1							
	DBS	0050	16.93	36.41	26.63		1518.3							
	OBS	0055	16.82	36.39	26.64		1518.8							
	DBS	0100	16.60	36.33	26.65		1518.9							
	DBS	0105	15.91	36.11	26.75		1516.6							
	DBS	0110	14.13	35.88	26.86		1513.9							
	DBS	0115	12.65	35.63	26.99		1510.0							
	DBS	0120	10.45	35.33	27.15		1503.9							
	DBS	0125	07.98	35.07	27.35		1496.1							
	OBS	0130	06.78	35.07	27.52		1492.8							
	DBS	0135	06.74	35.10	27.55		1493.0							
	DBS	0140	05.47	35.02	27.67		1489.1							
	DBS	0145	05.12	35.06	27.73		1489.1							
	DBS	0150	05.13	35.09	27.75		1489.9							
	DBS	0155	05.30	35.12	27.76		1491.0							
	DBS	0200	05.07	35.10	27.77		1491.3							
	DBS	0205	04.74	35.08	27.79		1491.6							
	DBS	0210	04.48	35.06	27.80		1492.2							
	DBS	0215	04.30	35.05	27.82		1493.1							

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TABLE XX.—Continued

REFID 31 8173    YEAR 1970    BGTUP 04663    AIR TEMP 19.1    DIR HGT PER    WIND-DIR 15    INST STD RECORDER    TEN SQ 1206  
 CCNSEC 0023    MONTH 05    SHIP EN    WET BULB 18.7    15 1 3    WIND-SPD 07    TRACE DIR    0    5 SQUARE 4  
 LAT 35 03 N    DAY 07    DATA USE 1    PAROMETER 1025.4    SEA    WIND-FOP    OUPATIUM 00.3    2 SQUARE 46  
 LONG 047 50 W    HOUR 06.1    AREA 05    CLOUD T/A    CL/TR    WEATHER X2    ORIG E41 023    1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
06.1	OBS	00000	18.85	36.48	26.21		1520.7							
	OBS	00010	18.85	36.48	26.21		1520.9							
	OBS	00020	18.85	36.46	26.24		1520.4							
	OBS	00030	18.49	36.39	26.23		1520.1							
	OBS	00050	18.02	36.45	26.35		1519.1							
	OBS	00075	17.63	36.46	26.50		1518.4							
	OBS	00100	17.52	36.45	26.52		1518.5							
	OBS	00125	17.35	36.44	26.54		1518.4							
	OBS	00150	17.23	36.43	26.57		1518.4							
	OBS	00200	17.00	36.41	26.61		1518.5							
	OBS	00250	16.91	36.41	26.63		1519.1							
	OBS	00300	16.75	36.38	26.65		1519.4							
	OBS	00330	16.78	36.40	26.66		1520.0							
	OBS	00370	15.80	36.17	26.71		1517.9							
	OBS	00500	14.66	35.99	26.82		1515.8							
	OBS	00600	12.82	35.69	26.98		1511.0							
	OBS	00700	11.03	35.36	27.08		1506.1							
	OBS	00800	08.34	35.09	27.31		1497.5							
	OBS	00900	06.86	35.13	27.56		1493.5							
	OBS	00910	06.33	35.16	27.57		1494.0							
	OBS	01000	05.64	35.05	27.66		1490.2							
	OBS	01060	05.20	35.06	27.72		1489.4							
	OBS	01100	05.39	35.13	27.75		1491.0							
	OBS	01200	05.02	35.10	27.77		1491.1							
	OBS	01300	04.67	35.08	27.80		1491.3							
	OBS	01400	04.45	35.07	27.81		1492.0							
	OBS	01500	04.22	35.06	27.83		1492.8							

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REFID 31 8173    YEAR 1970    BGTUP 04210    AIR TEMP 21.1    DIR HGT PER    WIND-DIR 15    INST STD RECORDER    TEN SQ 1206  
 CCNSEC 0024    MONTH 05    SHIP EN    WET BULB 19.3    14 2 2    WIND-SPD 14    TRACE DIR    0    5 SQUARE 4  
 LAT 35 04 N    DAY 07    DATA USE 1    PAROMETER 1025.7    SEA    WIND-FOP    OUPATIUM 00.4    2 SQUARE 46  
 LONG 047 47 W    HOUR 12.0    AREA 05    CLOUD T/A    CL/TR    WEATHER X2    ORIG E41 024    1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
12.0	OBS	00000	18.33	36.36	26.12		1520.5							
	OBS	00010	18.69	36.37	26.16		1520.3							
	OBS	00020	18.18	36.39	26.31		1519.0							
	OBS	00030	17.96	36.40	26.37		1518.5							
	OBS	00050	17.75	36.42	26.44		1513.3							
	OBS	00075	17.42	36.40	26.50		1517.7							
	OBS	00100	17.29	36.41	26.54		1517.7							
	OBS	00125	17.20	36.40	26.56		1517.9							
	OBS	00150	17.14	36.39	26.56		1518.1							
	OBS	00200	17.01	36.39	26.60		1518.5							
	OBS	00250	16.96	36.39	26.61		1519.2							
	OBS	00300	16.50	36.39	26.62		1519.9							
	OBS	00330	16.84	36.37	26.62		1520.1							
	OBS	00400	15.91	36.17	26.65		1518.2							
	OBS	00435	15.76	36.14	26.70		1518.3							
	OBS	00500	14.72	35.44	26.78		1515.9							
	OBS	00600	12.92	35.63	26.91		1511.2							
	OBS	00700	10.36	35.31	27.04		1505.7							
	OBS	00800	08.24	35.15	27.37		1497.2							
	OBS	00880	06.92	35.17	27.53		1493.4							
	OBS	00900	07.00	35.11	27.53		1494.0							
	OBS	01000	05.50	35.03	27.61		1491.2							
	OBS	01040	05.47	35.00	27.64		1490.1							
	OBS	01075	05.76	35.11	27.69		1492.0							
	OBS	01100	05.65	35.10	27.70		1492.0							
	OBS	01200	05.21	35.04	27.73		1491.8							
	OBS	01300	04.82	35.05	27.76		1491.9							
	OBS	01400	04.57	35.04	27.78		1492.5							
	OBS	01500	04.42	35.01	27.77		1493.5							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04480 AIR TEMP 19.7 OIR HGT PER WIND-DIP 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 05 SHIP EN WET BULB 18.6 15 2 2 WIND-SPD 15 TRACE OIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 07 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 54 W HOUR 17.8 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E41 025 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
17.8	085	00000	18.92	36.45	26.17		1520.9							
	085	00010	18.67	36.42	26.21		1520.3							
	085	00020	18.47	36.44	26.27		1519.9							
	085	00030	18.15	36.48	26.36		1519.2							
	085	00050	17.89	36.48	26.45		1518.8							
	085	00075	17.58	36.46	26.51		1518.3							
	085	00100	17.50	36.45	26.52		1518.4							
	085	00125	17.37	36.43	26.54		1518.4							
	085	00150	17.22	36.41	26.56		1518.4							
	085	00200	17.02	36.41	26.61		1518.6							
	085	00250	16.91	36.39	26.62		1519.1							
	085	00290	16.75	36.36	26.63		1519.2							
	085	00300	16.80	36.40	26.65		1519.6							
	085	00310	16.54	36.40	26.64		1519.8							
	085	00400	16.06	35.19	26.67		1518.7							
	085	00500	14.70	35.97	26.80		1515.6							
	085	00600	13.04	35.69	26.94		1511.7							
	085	00700	10.89	35.37	27.10		1505.6							
	085	00800	08.88	35.15	27.27		1499.6							
	085	00855	06.86	35.05	27.50		1453.4							
	085	00900	06.89	35.07	27.51		1493.5							
	085	00910	06.98	35.15	27.56		1454.2							
	085	01000	05.83	35.05	27.63		1491.0							
	085	01065	05.32	35.02	27.67		1489.9							
	085	01100	05.65	35.12	27.71		1492.0							
	085	01200	05.22	35.10	27.75		1491.9							
	085	01300	04.79	35.07	27.78		1491.8							
	085	01400	04.63	35.05	27.79		1492.8							
	085	01500	04.25	35.02	27.80		1492.8							
	085	01620	04.01	35.00	27.81		1493.8							
	085	01750	03.89	35.01	27.83		1496.5							
	085	02000	03.78	35.01	27.84		1494.3							
	085	02500	03.32	35.00	27.88		1505.9							
	085	03000	02.95	34.99	27.90		1512.9							

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REFID 31 8173 YEAR 1970 BOTOP 04295 AIR TEMP 19.7 OIR HGT PER WIND-DIP 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0026 MONTH 05 SHIP EN WET BULB 18.4 15 2 2 WIND-SPD 15 TRACE OIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 51 W HOUR 00.1 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E41 026 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
00.1	085	00000	18.86	36.44	26.17		1520.7							
	085	00010	18.78	36.43	26.19		1520.6							
	085	00020	18.50	36.44	26.27		1520.0							
	085	00030	18.26	36.43	26.32		1519.4							
	085	00050	17.89	36.43	26.41		1519.7							
	085	00075	17.64	36.47	26.50		1518.4							
	085	00100	17.51	36.47	26.54		1518.5							
	085	00125	17.29	36.44	26.57		1518.2							
	085	00150	17.12	36.43	26.60		1518.1							
	085	00200	16.99	36.42	26.62		1518.5							
	085	00250	16.90	36.41	26.64		1519.1							
	085	00300	16.87	36.40	26.64		1519.8							
	085	00310	16.78	36.36	26.63		1519.6							
	085	00400	15.77	36.17	26.72		1517.8							
	085	00450	15.58	36.14	26.74		1518.0							
	085	00470	15.18	36.03	26.74		1516.9							
	085	00500	14.65	35.96	26.81		1515.7							
	085	00600	12.85	35.67	26.96		1511.1							
	085	00700	10.90	35.27	27.02		1505.5							
	085	00800	08.25	35.15	27.37		1497.2							
	085	00840	07.81	35.14	27.43		1496.2							
	085	00870	07.06	35.12	27.53		1493.8							
	085	00875	07.15	35.14	27.53		1494.2							
	085	00880	07.03	35.12	27.53		1493.8							
	085	00900	06.91	35.11	27.54		1493.7							
	085	01000	05.80	35.04	27.63		1490.8							
	085	01025	05.57	35.05	27.67		1490.3							
	085	01070	05.78	35.12	27.70		1492.0							
	085	01100	05.66	35.09	27.69		1492.0							
	085	01200	05.19	35.09	27.75		1491.8							
	085	01300	04.84	35.07	27.77		1492.0							
	085	01400	04.57	35.05	27.79		1492.5							
	085	01445	04.41	35.02	27.78		1492.6							
	085	01500	04.42	35.04	27.79		1493.6							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTDP 04004	AIR TEMP 19.3	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEMP SQ 1206
CONSEC 0027	MONTH 05	SHIP EN	WET BULB 18.4	15 1 3	WIND-SPD 17	TRACE DIR 0	5 SQUARE 2
LAT 34 57 N	DAY 08	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FRK	DURATION 00.3	2 SQUARE 46
LDNG 047 57 W	HDUR 06.2	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E41 027	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	XYG	P14	TOT P	N02	N03	S103	PH
06.2	DBS	00000	18.59	36.43	26.24		1519.9							
	DBS	00010	18.51	36.43	26.26		1519.8							
	DBS	00020	17.78	36.40	26.42		1517.9							
	DBS	00030	17.54	36.40	26.47		1517.3							
	DBS	00050	17.31	36.43	26.55		1517.0							
	DBS	00075	17.22	36.40	26.55		1517.1							
	DBS	00100	17.00	36.40	26.61		1516.9							
	DBS	00125	16.92	36.41	26.63		1517.1							
	DBS	00150	16.90	36.41	26.64		1517.4							
	DBS	00200	16.85	36.40	26.64		1519.1							
	DBS	00250	16.80	36.41	26.66		1518.8							
	DBS	00300	16.75	36.39	26.66		1519.4							
	DBS	00400	16.52	36.35	26.68		1520.3							
	DBS	00410	16.52	36.35	26.68		1520.5							
	DBS	00500	14.97	35.96	26.75		1516.7							
	DBS	00600	13.14	35.70	26.92		1512.1							
	DBS	00700	10.70	35.37	27.14		1504.9							
	DBS	00800	08.28	35.11	27.34		1497.3							
	DBS	00900	06.63	35.05	27.52		1492.5							
	DBS	01000	05.97	35.03	27.60		1491.5							
	DBS	01100	05.60	35.11	27.71		1491.8							
	DBS	01200	05.18	35.09	27.75		1491.7							
	DBS	01255	05.10	35.09	27.76		1492.3							
	DBS	01300	04.90	35.07	27.76		1492.2							
	DBS	01400	04.53	35.04	27.78		1492.3							
	DBS	01420	04.52	35.04	27.78		1492.6							
	DBS	01500	04.41	35.05	27.80		1493.5							

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REFID 31 8173	YEAR 1970	BOTDP 03749	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEMP SQ 1206
CONSEC 0028	MONTH 05	SHIP EN	WET BULB 19.2	15 1 2	WIND-SPD 18	TRACE DIR 0	5 SQUARE 4
LAT 35 08 N	DAY 08	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FRK	DURATION 00.3	2 SQUARE 46
LDNG 047 59 W	HDUR 12.2	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	ORIG E41 025	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	XYG	P14	TOT P	N02	N03	S103	PH
12.2	DBS	00000	18.54	36.42	26.24		1519.7							
	DBS	00007	18.54	36.42	26.24		1519.9							
	DBS	00010	18.34	36.36	26.75		1517.3							
	DBS	00020	17.56	36.40	26.47		1517.2							
	DBS	00030	17.31	36.42	26.55		1516.7							
	DBS	00050	17.06	36.40	26.59		1516.2							
	DBS	00075	16.96	36.41	26.62		1516.4							
	DBS	00100	16.93	36.41	26.63		1516.7							
	DBS	00125	16.92	36.42	26.64		1517.1							
	DBS	00150	16.85	36.41	26.65		1517.3							
	DBS	00200	16.81	36.40	26.65		1518.0							
	DBS	00250	16.77	36.39	26.65		1518.6							
	DBS	00265	16.77	36.39	26.65		1518.9							
	DBS	00300	16.65	36.35	26.65		1519.1							
	DBS	00400	16.51	36.32	26.66		1520.2							
	DBS	00500	14.60	35.97	26.78		1516.2							
	DBS	00560	13.54	35.78	26.98		1512.8							
	DBS	00600	13.13	35.66	26.90		1512.0							
	DBS	00700	10.28	35.26	27.17		1503.7							
	DBS	00755	08.64	35.12	27.25		1497.9							
	DBS	00780	08.61	35.13	27.20		1498.2							
	DBS	00800	08.40	35.14	27.34		1497.8							
	DBS	00835	07.76	35.12	27.42		1495.9							
	DBS	00900	07.03	35.08	27.50		1494.1							
	DBS	01000	05.94	35.09	27.65		1491.5							
	DBS	01100	05.59	35.12	27.72		1491.6							
	DBS	01200	05.09	35.09	27.74		1491.4							
	DBS	01300	04.74	35.06	27.77		1491.6							
	DBS	01400	04.53	35.06	27.80		1492.4							
	DBS	01490	04.29	35.04	27.81		1492.9							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 20.2 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0029 MONTH 05 SHIP EN WET BULB 18.9 16 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 08 DATA USE 1 BARMETR 1022.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 46  
 LONG 047 59 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 029 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P74	TOT P	N02	N03	S103	PH
17.7	OBS	00000	18.75	36.45	26.21		1520.4							
	OBS	00010	18.53	36.51	26.31		1520.0							
	OBS	00020	18.16	36.49	26.39		1519.1							
	OBS	00030	17.88	36.46	26.44		1518.4							
	OBS	00050	17.60	36.46	26.51		1517.9							
	OBS	00075	17.49	36.45	26.53		1518.0							
	OBS	00100	17.28	36.44	26.57		1517.8							
	OBS	00125	17.24	36.42	26.56		1518.0							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00200	16.93	36.42	26.64		1518.3							
	OBS	00250	16.88	36.40	26.63		1514.0							
	OBS	00300	16.87	36.42	26.65		1519.8							
	OBS	00400	16.47	36.35	26.64		1520.2							
	OBS	00500	14.76	35.96	26.78		1516.0							
	OBS	00600	12.93	35.63	26.91		1511.3							
	OBS	00700	10.72	35.35	27.12		1504.9							
	OBS	00800	08.27	35.10	27.33		1497.2							
	OBS	00900	06.44	35.05	27.56		1491.7							
	OBS	01000	05.70	35.07	27.67		1490.5							
	OBS	01030	05.80	35.13	27.70		1491.5							
	OBS	01100	05.53	35.12	27.73		1491.5							
	OBS	01200	05.03	35.07	27.75		1491.1							
	OBS	01300	04.82	35.04	27.75		1491.9							
	OBS	01400	04.49	35.01	27.76		1492.1							
	OBS	01500	04.24	34.97	27.76		1492.7							
	OBS	01750	03.94	34.97	27.74		1495.7							
	OBS	02000	03.73	34.96	27.80		1499.0							
	OBS	02390	03.35	34.95	27.83		1504.1							

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REFID 31 8173 YEAR 1970 BOTDP 04389 AIR TEMP 19.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0030 MONTH 05 SHIP EN WET BULB 18.8 17 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 09 DATA USE 1 BARMETR 1022.7 SEA WIND-FOR DURATION 00.2 2 SQUARE 46  
 LONG 047 55 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 030 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P74	TOT P	N02	N03	S103	PH
00.1	OBS	00000	19.07	36.53	26.19		1521.4							
	OBS	00010	19.00	36.51	26.19		1521.3							
	OBS	00020	18.48	36.42	26.26		1519.9							
	OBS	00030	17.99	36.48	26.42		1518.7							
	OBS	00050	17.61	36.46	26.50		1517.9							
	OBS	00075	17.46	36.45	26.53		1517.9							
	OBS	00100	17.35	36.44	26.55		1518.0							
	OBS	00125	17.18	36.41	26.57		1517.8							
	OBS	00150	17.08	36.42	26.60		1518.0							
	OBS	00200	17.00	36.42	26.62		1518.5							
	OBS	00250	16.89	36.40	26.63		1519.0							
	OBS	00275	16.91	36.40	26.63		1519.5							
	OBS	00300	16.77	36.37	26.64		1519.4							
	OBS	00400	15.57	36.12	26.72		1517.1							
	OBS	00430	15.48	36.11	26.74		1517.3							
	OBS	00500	14.36	35.90	26.82		1514.7							
	OBS	00600	12.52	35.60	26.97		1509.8							
	OBS	00700	10.22	35.30	27.17		1503.1							
	OBS	00800	08.20	35.16	27.39		1497.1							
	OBS	00860	07.47	35.13	27.47		1495.2							
	OBS	00890	07.39	35.14	27.49		1495.4							
	OBS	00900	07.03	35.07	27.49		1494.1							
	OBS	01000	05.88	35.05	27.63		1491.2							
	OBS	01025	05.65	35.04	27.65		1490.6							
	OBS	01060	05.85	35.12	27.65		1492.1							
	OBS	01100	05.73	35.13	27.71		1492.3							
	OBS	01180	05.24	35.10	27.75		1491.6							
	OBS	01200	05.23	35.11	27.76		1492.0							
	OBS	01300	04.89	35.09	27.78		1492.2							
	OBS	01400	04.63	35.06	27.79		1492.8							
	OBS	01500	04.51	35.07	27.81		1494.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04297 AIR TEMP 19.6 DIR HGT PER WIND-DIR 19 INST STO RECORDER TEN SQ 1206  
 CONSEC 0031 MONTH 05 SHIP EN WET BULB 19.3 DIR 2 2 WIND-SPO 16 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 09 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOP DURATION 00.4 2 SQUARE 46  
 LGNG 047 56 W HOUR 12.2 AREA 05 CLCUD T/A CL/T/P WEATHER X5 ORIG E41 031 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
12.2	085	00000	18.97	36.51	26.20		1521.1							
	085	00010	18.94	36.51	26.21		1521.1							
	085	00018	18.89	36.50	26.21		1521.1							
	085	00020	18.74	36.45	26.21		1520.7							
	085	00030	18.13	36.46	26.37		1519.1							
	085	00050	17.82	36.46	26.45		1518.5							
	085	00075	17.63	36.45	26.49		1518.4							
	085	00100	17.43	36.44	26.53		1518.2							
	085	00125	17.11	36.41	26.59		1517.6							
	085	00150	17.03	36.41	26.61		1517.8							
	085	00200	16.96	36.42	26.63		1518.4							
	085	00250	16.92	36.42	26.64		1519.1							
	085	00300	16.63	36.36	26.66		1517.0							
	085	00400	15.68	36.17	26.74		1517.5							
	085	00415	15.62	36.17	26.75		1517.6							
	085	00450	14.92	36.02	26.79		1515.8							
	085	00500	14.29	35.91	26.85		1514.4							
	085	00600	12.82	35.68	26.97		1511.0							
	085	00700	10.58	35.35	27.14		1504.4							
	085	00765	09.02	35.19	27.28		1499.6							
	085	00780	08.88	35.21	27.32		1498.4							
	085	00795	08.67	35.18	27.33		1498.8							
	085	00800	08.73	35.23	27.36		1498.1							
	085	00820	08.25	35.16	27.38		1497.6							
	085	00860	07.52	35.13	27.47		1495.4							
	085	00900	07.29	35.16	27.52		1495.2							
	085	01000	05.66	35.06	27.66		1490.3							
	085	01030	05.69	35.09	27.68		1491.0							
	085	01070	05.65	35.14	27.70		1492.3							
	085	01100	05.68	35.13	27.72		1492.1							
	085	01200	05.26	35.11	27.75		1492.1							
	085	01300	04.99	35.10	27.78		1492.6							
	085	01400	04.64	35.07	27.79		1492.8							
	085	01500	04.55	35.07	27.80		1494.1							

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REFID 31 8173 YEAR 1970 BOTOP 04389 AIR TEMP 19.9 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 05 SHIP EN WET BULB 18.4 DIR 20 3 2 WIND-SPO 07 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 09 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOP DURATION 00.5 2 SQUARE 46  
 LGNG 047 56 W HOUR 18.0 AREA 05 CLCUD T/A CL/T/P WEATHER X5 ORIG E41 032 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
18.0	085	00000	18.86	36.44	26.17		1520.7							
	085	00010	18.64	36.44	26.23		1520.2							
	085	00020	18.41	36.47	26.31		1519.8							
	085	00030	18.24	36.47	26.35		1519.4							
	085	00050	17.83	36.47	26.46		1518.6							
	085	00075	17.54	36.44	26.51		1518.1							
	085	00100	17.35	36.44	26.55		1518.0							
	085	00125	17.23	36.42	26.57		1518.0							
	085	00150	17.11	36.42	26.59		1518.0							
	085	00200	16.95	36.41	26.63		1518.4							
	085	00250	16.88	36.40	26.63		1519.0							
	085	00300	16.69	36.36	26.65		1518.6							
	085	00400	16.01	36.19	26.68		1518.7							
	085	00500	14.59	35.89	26.81		1514.7							
	085	00600	12.98	35.66	26.95		1511.1							
	085	00700	10.63	35.32	27.07		1505.3							
	085	00800	08.49	35.11	27.30		1498.1							
	085	00900	08.44	35.02	27.53		1491.7							
	085	01000	05.85	35.07	27.65		1491.1							
	085	01020	05.76	35.07	27.66		1491.0							
	085	01050	05.80	35.11	27.69		1491.8							
	085	01100	05.57	35.10	27.71		1491.7							
	085	01200	05.04	35.07	27.75		1491.1							
	085	01300	04.76	35.06	27.77		1491.6							
	085	01360	04.69	35.06	27.78		1492.4							
	085	01400	04.51	35.04	27.78		1492.3							
	085	01500	04.25	34.99	27.77		1492.8							
	085	01750	03.98	34.98	27.79		1495.9							
	085	02000	03.76	34.97	27.81		1499.2							
	085	02500	03.25	34.96	27.85		1505.5							
	085	03000	02.81	34.94	27.88		1512.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04755 AIR TEMP 19.0 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0033 MONTH 05 SHIP EN WFT GULF 18.4 00 3 X WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 10 DATA USE 1 BA-CHEMP 1024.0 SEA WIND-FSK DURATION 00.2 2 SQUARE 46  
 LONG 047 58 W HOUR 00.0 AREA 05 CLOUD 7/A CL/TR WEATHER X2 DRIS E41 033 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	CHYG	P24	TOT P	NG2	NG3	S173	PH
00.0	OBS	00000	19.44	36.47	26.05		1522.3							
	OBS	00010	19.10	36.46	26.12		1521.5							
	OBS	00020	18.61	36.26	26.18		1520.2							
	OBS	00030	18.46	36.44	26.21		1520.0							
	OBS	00050	17.78	36.44	26.45		1518.9							
	OBS	00075	17.63	36.44	26.48		1518.9							
	OBS	00100	17.48	36.44	26.50		1518.5							
	OBS	00125	17.30	36.42	26.55		1518.2							
	OBS	00150	17.20	36.41	26.56		1518.3							
	OBS	00200	17.06	36.41	26.60		1518.7							
	OBS	00250	16.97	36.40	26.61		1519.3							
	OBS	00300	16.76	36.37	26.64		1519.4							
	OBS	00400	15.84	36.19	26.72		1518.0							
	OBS	00460	15.44	36.14	26.77		1517.7							
	OBS	00500	14.64	35.96	26.81		1515.6							
	OBS	00600	12.58	35.64	26.95		1510.1							
	OBS	00700	10.51	35.33	27.14		1504.1							
	OBS	00730	09.90	35.20	27.22		1502.4							
	OBS	00760	08.82	35.16	27.32		1498.8							
	OBS	00800	08.35	35.17	27.37		1497.6							
	OBS	00900	07.04	35.12	27.55		1494.2							
	OBS	00975	05.96	35.06	27.63		1491.1							
	OBS	01000	05.95	35.12	27.67		1491.5							
	OBS	01100	05.52	35.11	27.72		1491.5							
	OBS	01200	05.05	35.09	27.76		1491.2							
	OBS	01300	04.65	35.05	27.78		1491.2							
	OBS	01400	04.40	35.03	27.79		1491.8							
	OBS	01500	04.19	35.02	27.80		1492.6							

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REFID 31 8173 YEAR 1970 BOTOP 04755 AIR TEMP 19.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 05 SHIP EN WFT GULF 18.6 19 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 10 DATA USE 1 BA-CHEMP 1024.0 SEA WIND-FSK DURATION 00.2 2 SQUARE 46  
 LONG 047 53 W HOUR 00.1 AREA 05 CLOUD 7/A CL/TR WEATHER X2 DRIS E41 034 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	CHYG	P24	TOT P	NG2	NG3	S173	PH
00.1	OBS	00000	19.16	36.48	26.13		1521.6							
	OBS	00010	19.15	36.48	26.15		1521.7							
	OBS	00011	18.89	36.40	26.14		1520.9							
	OBS	00020	18.53	36.43	26.24		1520.2							
	OBS	00030	18.27	36.40	26.27		1519.7							
	OBS	00050	17.60	36.44	26.44		1518.5							
	OBS	00075	17.59	36.43	26.49		1518.2							
	OBS	00100	17.58	36.46	26.51		1518.7							
	OBS	00125	17.38	36.42	26.53		1518.4							
	OBS	00150	17.17	36.42	26.58		1518.2							
	OBS	00200	17.03	36.42	26.61		1518.6							
	OBS	00250	16.91	36.40	26.65		1518.1							
	OBS	00300	16.77	36.37	26.64		1518.4							
	OBS	00340	16.52	36.32	26.66		1518.3							
	OBS	00400	15.70	36.15	26.72		1517.6							
	OBS	00500	14.63	35.95	26.80		1515.6							
	OBS	00600	12.63	35.63	26.97		1510.3							
	OBS	00700	10.58	35.33	27.05		1505.8							
	OBS	00800	08.58	35.09	27.28		1498.4							
	OBS	00825	07.91	35.10	27.35		1496.3							
	OBS	00835	08.04	35.17	27.42		1497.0							
	OBS	00900	07.18	35.13	27.52		1494.6							
	OBS	01000	05.77	35.07	27.66		1490.8							
	OBS	01025	05.87	35.11	27.68		1491.6							
	OBS	01050	05.80	35.12	27.69		1491.8							
	OBS	01100	05.63	35.12	27.72		1491.9							
	OBS	01200	05.12	35.06	27.75		1491.5							
	OBS	01290	04.97	35.07	27.76		1492.3							
	OBS	01300	04.87	35.07	27.77		1492.1							
	OBS	01400	04.42	35.03	27.75		1491.9							
	OBS	01500	04.22	35.01	27.75		1492.7							

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TABLE XX.—Continued

REFID 31 8174 YEAR 1970 BOTOP 04755 AIR TEMP 19.5 DIR HGT PEP WIND-DIR 20 INST STD PECDROEK TEN SQ 1206  
 CONSEC 0036 MONTH 05 SHIP EN WET BULK 14.3 20 1 2 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 4 N DAY 10 DATA USE 1 BAROMETR 1005.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 12.1 AREA 05 CLOUD TRA CL/TR WEATHER X1 GRIG E41 035 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	UXYG	PC4	TGT P	NO2	NO3	SIO3	PH
17.1	0BS	00000	19.27	36.45	26.08		1521.8							
	0BS	00010	19.24	36.44	26.08		1521.9							
	0BS	00020	18.99	36.43	26.14		1521.3							
	0BS	00030	18.55	36.49	26.29		1520.3							
	0BS	00050	18.07	36.47	26.40		1519.3							
	0BS	00075	17.64	36.48	26.51		1518.5							
	0BS	00100	17.48	36.44	26.51		1518.3							
	0BS	00125	17.21	36.42	26.57		1517.9							
	0BS	00150	17.15	36.42	26.58		1518.2							
	0BS	00200	17.03	36.42	26.61		1518.6							
	0BS	00250	16.94	36.40	26.64		1517.2							
	0BS	00290	16.85	36.40	26.64		1519.5							
	0BS	00300	16.76	36.38	26.65		1519.4							
	0BS	00400	15.84	36.17	26.65		1518.2							
	0BS	00500	14.70	35.97	26.80		1515.8							
	0BS	00600	12.92	35.68	26.98		1511.5							
	0BS	00700	10.45	35.41	27.12		1505.3							
	0BS	00800	08.37	35.10	27.32		1497.6							
	0BS	00900	06.89	35.12	27.55		1492.6							
	0BS	00980	05.85	35.35	27.63		1490.7							
	0BS	01000	05.82	35.10	27.68		1491.0							
	0BS	01010	05.95	35.12	27.67		1491.7							
	0BS	01100	05.52	35.12	27.73		1491.5							
	0BS	01200	05.09	35.36	27.75		1491.5							
	0BS	01210	05.03	35.38	27.76		1491.3							
	0BS	01260	04.99	35.10	27.78		1492.0							
	0BS	01300	04.72	35.07	27.78		1491.5							
	0BS	01340	04.51	35.04	27.78		1491.2							

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REFID 31 8173 YEAR 1970 BOTOP 04755 AIR TEMP 23.4 DIR HGT PEP WIND-DIR 13 INST STD PECDROEK TEN SQ 1206  
 CONSEC 0036 MONTH 05 SHIP EN WET BULK 20.5 18 1 2 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 10 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 56 W HOUR 17.8 AREA 05 CLOUD TRA CL/TR WEATHER X1 GRIG E41 036 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	UXYG	PC4	TGT P	NO2	NO3	SIO3	PH
17.8	0BS	00000	19.42	36.42	26.01		1522.2							
	0BS	00010	19.29	36.44	26.06		1522.0							
	0BS	00020	18.13	36.30	26.25		1518.8							
	0BS	00030	18.19	36.45	26.35		1519.3							
	0BS	00040	18.09	36.43	26.36		1519.1							
	0BS	00050	18.04	36.46	26.40		1519.2							
	0BS	00070	17.73	36.46	26.47		1518.6							
	0BS	00075	17.77	36.48	26.48		1518.8							
	0BS	00100	17.65	36.47	26.50		1518.9							
	0BS	00125	17.49	36.45	26.53		1518.8							
	0BS	00150	17.33	36.45	26.56		1518.7							
	0BS	00200	17.05	36.44	26.61		1518.7							
	0BS	00250	16.97	36.41	26.62		1519.3							
	0BS	00300	16.90	36.40	26.63		1519.9							
	0BS	00400	16.13	36.24	26.69		1519.0							
	0BS	00500	14.77	35.97	26.79		1516.1							
	0BS	00600	13.10	35.73	26.96		1512.0							
	0BS	00700	10.80	35.41	27.15		1505.3							
	0BS	00800	08.35	35.13	27.34		1497.6							
	0BS	00880	07.06	35.09	27.40		1493.9							
	0BS	00900	06.59	35.13	27.54		1494.0							
	0BS	01000	05.86	35.06	27.64		1491.1							
	0BS	01030	05.81	35.38	27.66		1491.4							
	0BS	01045	05.94	35.13	27.68		1492.3							
	0BS	01100	05.66	35.13	27.72		1492.1							
	0BS	01200	05.11	35.10	27.76		1491.5							
	0BS	01300	04.83	35.09	27.79		1492.0							
	0BS	01400	04.50	35.05	27.75		1492.2							
	0BS	01500	04.20	35.02	27.80		1492.6							
	0BS	01750	03.85	35.01	27.83		1495.5							
	0BS	01980	03.83	35.03	27.85		1499.2							
	0BS	02000	03.76	35.01	27.84		1499.2							
	0BS	02500	03.30	34.99	27.87		1505.8							
	0BS	03000	02.80	34.97	27.90		1512.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 02926 AIR TEMP 20.5 DIR HGT PEP WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0037 MONTH 05 SHIP EN WFT BULB 19.4 00 0 X WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 11 DATA USE 1 BATHY T/R 1026.1 SEA WIND-FOP DUPATION 2 SQUARE 46  
 LONG 047 54 W HOUR 12.7 AREA 05 CLOUD T/A 478 CL/TR WEATHER X2 ORIG E41 037 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.7	OBS	0000	19.36	36.410	26.02		1522.0							
12.7	OBS	0023	18.50	36.432	26.26		1520.9							
12.7	OBS	0047	17.78	36.452	26.46		1518.4							
12.7	OBS	0070	17.54	36.439	26.50		1518.0							
12.7	OBS	0094	17.23	36.427	26.56		1517.6							
12.7	OBS	00141	17.03	36.486	26.59		1517.6							
12.7	OBS	T00188	16.94	36.379	26.60		1518.1							
12.7	OBS	00287	17.01	36.384	26.59		1519.9							
12.7	OBS	T00376	16.34	36.269	26.66		1514.3							
12.7	OBS	00470	14.81	35.975	26.74		1515.7							
12.7	OBS	T00564	13.72	35.417	26.89		1513.5							
12.7	OBS	00752	10.08	35.227	27.18		1503.4							
12.7	OBS	T00941	06.75	35.087	27.54		1493.7							
12.7	OBS	T01414	04.59	35.046	27.78		1492.8							

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REFID 31 8173 YEAR 1970 BOTOP 01098 AIR TEMP 19.8 DIR HGT PEP WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0038 MONTH 05 SHIP EN WFT BULB 18.8 00 0 X WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 12 DATA USE 1 BATHY T/R 1026.1 SEA WIND-FOP DUPATION 00.2 2 SQUARE 46  
 LONG 047 50 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 038 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
00.2	OBS	0000	19.54	36.46	26.01		1522.6							
	OBS	00010	19.03	36.43	26.12		1521.3							
	OBS	00120	18.58	36.47	26.27		1520.2							
	OBS	00030	18.40	36.52	26.35		1520.0							
	OBS	00050	18.28	36.51	26.38		1519.9							
	OBS	00075	17.83	36.49	26.47		1519.0							
	OBS	00100	17.67	36.47	26.50		1518.9							
	OBS	00125	17.47	36.45	26.53		1518.7							
	OBS	00150	17.26	36.43	26.57		1518.5							
	OBS	00200	17.12	36.43	26.60		1518.4							
	OBS	00250	17.00	36.42	26.62		1518.4							
	OBS	00300	16.89	36.40	26.63		1518.8							
	OBS	00322	16.85	36.40	26.64		1520.1							
	OBS	00400	16.05	36.23	26.70		1518.7							
	OBS	00500	14.58	35.96	26.82		1515.5							
	OBS	00600	13.02	35.67	26.93		1511.6							
	OBS	00665	12.12	35.50	26.97		1505.4							
	OBS	00700	11.12	35.39	27.08		1506.4							
	OBS	00800	09.36	35.15	27.27		1501.5							
	OBS	00920	08.91	35.23	27.33		1500.2							

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REFID 31 8173 YEAR 1970 BOTOP 04297 AIR TEMP 20.1 DIR HGT PEP WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0039 MONTH 05 SHIP EN WFT BULB 19.1 00 0 X WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BATHY T/R 1025.4 SEA WIND-FOP DUPATION 00.2 2 SQUARE 48  
 LONG 048 00 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 039 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
06.1	OBS	00000	20.06	36.41	25.84		1523.9							
	OBS	00010	19.79	36.41	25.91		1523.4							
	OBS	00020	19.05	36.49	26.16		1521.6							
	OBS	00030	18.73	36.49	26.25		1520.9							
	OBS	00050	18.42	36.44	26.29		1520.2							
	OBS	00075	17.75	36.44	26.45		1518.7							
	OBS	00100	17.59	36.46	26.51		1518.7							
	OBS	00125	17.38	36.44	26.54		1518.5							
	OBS	00150	17.13	36.42	26.59		1518.1							
	OBS	00200	17.01	36.41	26.61		1518.6							
	OBS	00250	16.91	36.40	26.63		1519.1							
	OBS	00300	16.80	36.38	26.64		1519.5							
	OBS	00320	16.76	36.37	26.64		1519.7							
	OBS	00400	15.95	36.21	26.71		1518.4							
	OBS	00500	14.75	35.97	26.79		1516.0							
	OBS	00600	13.14	35.71	26.93		1512.1							
	OBS	00700	10.85	35.35	27.09		1505.4							
	OBS	00790	08.74	35.14	27.29		1498.9							
	OBS	00800	08.70	35.20	27.34		1499.0							
	OBS	00880	07.27	35.11	27.49		1494.7							
	OBS	00900	07.21	35.13	27.51		1494.9							
	OBS	01000	05.87	35.05	27.63		1491.1							
	OBS	01020	05.81	35.06	27.65		1491.2							
	OBS	01055	05.88	35.11	27.68		1492.2							
	OBS	01100	05.65	35.11	27.70		1492.0							
	OBS	01200	05.12	35.07	27.74		1491.5							
	OBS	01300	04.80	35.06	27.77		1491.8							
	OBS	01400	04.50	35.04	27.79		1492.2							
	OBS	01500	04.25	35.03	27.80		1492.8							

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TABLE XX.—Continued

REF ID A1 8173 YEAR 1970 BCTDP 04480 AIR TEMP 19.5 DIP HGT PEP WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0040 MONTH 05 SHIP EN WET HULL 18.5 13 1 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 15 N DAY 12 DATA USE 1 BAROMETR 1024.4 SEA WIND-FJR DURATION 00.2 2 SQUARE 48  
 LONG 048 23 W HOUR 18.1 AREA 05 CLOUD T/A CL/T/F WEATHER X2 ORIG F41 040 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.1	DBS	00000	17.89	36.37	26.37		1517.8							
	DBS	00010	17.12	36.39	26.50		1515.7							
	DBS	00020	16.99	36.47	26.58		1515.5							
	DBS	00030	16.82	36.37	26.63		1515.2							
	DBS	00050	16.78	36.38	26.64		1515.4							
	DBS	00075	16.74	36.38	26.65		1515.7							
	DBS	00100	16.71	36.38	26.66		1516.0							
	DBS	00125	16.68	36.38	26.67		1516.3							
	DBS	00150	16.66	36.38	26.67		1516.7							
	DBS	00200	16.65	36.37	26.67		1517.4							
	DBS	00250	16.54	36.35	26.68		1517.9							
	DBS	00300	16.35	36.33	26.71		1518.1							
	DBS	00400	15.05	36.05	26.79		1515.4							
	DBS	00500	13.48	35.78	26.92		1511.6							
	DBS	00600	11.62	35.45	27.03		1506.6							
	DBS	00685	09.47	35.18	27.20		1499.9							
	DBS	00700	09.07	35.12	27.22		1498.6							
	DBS	00755	08.26	35.13	27.36		1496.5							
	DBS	00800	07.90	35.07	27.36		1495.8							
	DBS	00840	07.00	35.09	27.51		1493.0							
	DBS	00850	07.12	35.15	27.54		1493.7							
	DBS	00875	06.69	35.13	27.58		1492.4							
	DBS	00900	06.62	35.14	27.60		1492.6							
	DBS	01000	06.17	35.13	27.65		1492.4							
	DBS	01100	05.63	35.11	27.71		1491.9							
	DBS	01170	05.33	35.11	27.74		1491.9							
	DBS	01200	05.03	35.07	27.75		1491.1							
	DBS	01300	04.77	35.07	27.78		1491.7							
	DBS	01400	04.55	35.05	27.79		1492.4							
	DBS	01500	04.19	35.02	27.80		1492.6							

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REF ID J1 8173 YEAR 1970 BCTDP 04206 AIR TEMP 19.9 DIR HGT PEP WIND-DIP 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0041 MONTH 05 SHIP EN WET HULL 18.6 13 1 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 13 DATA USE 1 BAROMETR 1024.4 SEA WIND-FJR DURATION 00.2 2 SQUARE 48  
 LONG 048 03 W HOUR 00.0 AREA 05 CLOUD T/A CL/T/F WEATHER X2 ORIG E41 041 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
00.0	DBS	00000	19.87	36.50	25.96		1523.5							
	DBS	00010	19.34	36.49	26.09		1522.2							
	DBS	00020	18.69	36.51	26.22		1521.2							
	DBS	00030	18.36	36.51	26.35		1519.9							
	DBS	00050	18.18	36.52	26.41		1519.7							
	DBS	00075	17.76	36.47	26.47		1518.8							
	DBS	00100	17.50	36.45	26.52		1518.4							
	DBS	00125	17.32	36.43	26.55		1518.3							
	DBS	00150	17.16	36.42	26.58		1518.2							
	DBS	00200	17.01	36.41	26.61		1518.6							
	DBS	00250	16.92	36.40	26.62		1519.1							
	DBS	00300	16.85	36.40	26.64		1519.7							
	DBS	00315	16.81	36.39	26.64		1519.8							
	DBS	00400	15.94	36.20	26.70		1518.4							
	DBS	00500	14.87	36.01	26.80		1516.4							
	DBS	00600	13.08	35.71	26.94		1511.9							
	DBS	00700	11.02	35.42	27.12		1506.1							
	DBS	00800	08.58	35.14	27.31		1498.5							
	DBS	00830	07.74	35.14	27.44		1495.8							
	DBS	00840	07.79	35.14	27.44		1496.1							
	DBS	00880	07.25	35.08	27.47		1494.6							
	DBS	00900	07.18	35.10	27.49		1494.7							
	DBS	00920	06.88	35.06	27.50		1493.8							
	DBS	00940	06.95	35.14	27.56		1494.5							
	DBS	01000	06.26	35.03	27.56		1492.7							
	DBS	01030	05.88	35.07	27.64		1491.7							
	DBS	01080	05.88	35.12	27.68		1492.6							
	DBS	01100	05.81	35.10	27.68		1492.6							
	DBS	01200	05.26	35.10	27.74		1492.1							
	DBS	01300	04.86	35.07	27.77		1492.1							
	DBS	01400	04.53	35.05	27.79		1492.4							
	DBS	01500	04.38	35.04	27.80		1493.4							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 HGTOP 01168 AIR TEMP 19.7 DIR HGT PER WIND-DIR 14 INST STD RECORDER TFN SQ 1206  
 CONSEC 0042 MONTH 05 SHIP FN WFT 0ULB 18.5 13 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 13 DATA USE 1 PAR. METR 1022.7 SEA WIND-FDR DURATION 00.2 2 SQUARE 49  
 LONG 048 03 W HOUR 06.3 AREA 05 CLUTR CLZTR WEATHER X2 ORIG E41 042 1 SQUARE 59

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	S103	PH
06.3	08S	00000	19.91	36.95	26.99		1523.7							
	08S	00010	19.55	36.47	26.02		1522.9							
	08S	00020	18.76	36.51	26.25		1520.8							
	08S	00030	18.57	36.51	26.30		1520.9							
	08S	00050	18.19	36.52	26.41		1519.7							
	08S	00075	17.95	36.49	26.44		1519.4							
	08S	00100	17.73	36.48	26.49		1519.1							
	08S	00125	17.60	36.45	26.50		1518.1							
	08S	00150	17.36	36.43	26.54		1518.9							
	08S	00200	17.14	36.40	26.67		1518.9							
	08S	00250	17.02	36.41	26.61		1519.4							
	08S	00300	16.93	36.41	26.63		1520.0							
	08S	00400	16.31	36.25	26.65		1519.5							
	08S	00500	15.13	36.74	26.76		1517.3							
	08S	00600	12.94	35.69	26.97		1511.4							
	08S	00700	11.32	35.41	27.05		1507.1							
	08S	00725	11.02	35.45	27.14		1506.5							
	08S	00800	08.92	35.18	27.24		1499.2							
	08S	00850	07.67	35.07	27.40		1498.7							
	08S	00900	06.84	35.34	27.49		1495.3							
	08S	00950	06.35	35.06	27.63		1492.2							
	08S	00955	06.43	35.33	27.53		1492.7							
	08S	00970	06.22	35.14	27.66		1492.0							
	08S	01000	06.38	35.12	27.62		1493.3							
	08S	01040	05.79	35.34	27.66		1491.5							
	08S	01100	05.40	35.07	27.70		1490.9							
	08S	01130	05.30	35.22	27.71		1491.0							

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REFID 31 9173 YEAR 1970 HGTOP 04389 AIR TEMP 21.1 DIR HGT PER WIND-DIR 14 INST STD RECORDER TFN SQ 1206  
 CONSEC 0043 MONTH 05 SHIP FN WFT 0ULB 19.2 12 1 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 13 DATA USE 1 PAR. METR 1023.0 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 049 01 W HOUR 12.1 AREA 05 CLUTR CLZTR WEATHER X1 ORIG E41 043 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	S103	PH
12.1	08S	00000	19.67	36.48	26.00		1523.0							
	08S	00010	19.62	36.49	26.07		1523.0							
	08S	00020	19.14	36.48	26.13		1521.8							
	08S	00030	18.61	36.50	26.28		1520.5							
	08S	00050	18.34	36.51	26.36		1520.1							
	08S	00075	17.93	36.49	26.45		1519.5							
	08S	00100	17.76	36.47	26.47		1519.2							
	08S	00125	17.55	36.45	26.51		1519.0							
	08S	00150	17.44	36.45	26.54		1519.1							
	08S	00200	17.11	36.43	26.67		1518.8							
	08S	00250	17.01	36.40	26.60		1519.4							
	08S	00300	16.90	36.38	26.61		1519.6							
	08S	00330	16.79	36.36	26.64		1519.9							
	08S	00340	16.84	36.35	26.64		1519.3							
	08S	00400	16.34	36.27	26.64		1519.7							
	08S	00500	14.54	35.94	26.91		1511.5							
	08S	00600	13.15	35.68	27.01		1512.1							
	08S	00700	11.41	35.50	27.11		1507.5							
	08S	00800	08.76	35.14	27.20		1497.1							
	08S	00900	07.13	35.08	27.48		1494.5							
	08S	00910	06.99	35.08	27.50		1494.1							
	08S	00940	06.98	35.14	27.55		1494.6							
	08S	01000	06.05	35.05	27.61		1491.8							
	08S	01030	05.82	35.05	27.64		1491.4							
	08S	01070	05.35	35.11	27.68		1492.4							
	08S	01100	05.74	35.11	27.63		1492.3							
	08S	01200	05.29	35.09	27.73		1492.2							
	08S	01240	05.02	35.36	27.74		1491.7							
	08S	01300	04.93	35.07	27.78		1492.3							
	08S	01400	04.64	35.35	27.78		1492.3							
	08S	01500	04.33	35.22	27.79		1493.2							

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TABLE XX.—Continued

REFID 31 3173 YEAR 1970 BCTOP 04297 AIR TEMP 23.0 DIR HGT P-R WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CGNSC 0044 MONTH 05 SHIP EN WET SULT 19.4 14 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 13 DATA USE 1 RA-CATS 1321.7 SEA WIND-FXP DIRATION 00.5 2 SQUARE AR  
 LONG 048 00 W HOUR 17.7 AREA 05 CLUTR CLUTR WEATHER XI CRIG 541 044 1 SQUARE 58

LASTNUM/TIME	LEVEL	DEPTH	TEMP	SAL	STRESS	DYNDEPTH	SNF VLE	XYG	P04	TOT P	N02	N03	SIG	PH
17.7	FS	0000	19.74	36.50	29.4		1523.7							
	FS	00010	19.74	36.51	29.4		1523.9							
	FS	00020	19.04	36.44	29.17		1521.6							
	FS	00030	18.65	36.50	29.27		1520.6							
	FS	00040	19.06	36.53	29.47		1519.3							
	FS	00075	17.76	36.45	29.47		1518.6							
	FS	00100	17.65	36.46	29.37		1518.6							
	FS	00125	17.51	36.45	29.34		1518.9							
	FS	00150	17.41	36.44	29.34		1519.0							
	FS	00200	17.03	36.44	29.37		1518.5							
	FS	00250	16.94	36.44	29.41		1518.1							
	FS	00300	16.81	36.38	29.44		1518.6							
	FS	00400	16.04	36.41	29.67		1518.8							
	FS	00500	14.71	36.46	29.75		1515.9							
	FS	00600	13.18	36.46	29.85		1514.1							
	FS	00700	11.06	36.46	29.86		1506.1							
	FS	00800	08.44	36.41	29.94		1497.4							
	FS	00900	07.22	36.43	29.91		1494.9							
	FS	01000	05.88	36.45	29.63		1491.2							
	FS	01020	05.81	36.07	29.65		1491.2							
	FS	01040	05.96	36.13	29.68		1494.3							
	FS	01100	05.64	36.11	29.71		1491.9							
	FS	01160	05.23	36.08	29.73		1491.2							
	FS	01180	05.16	36.08	29.74		1491.5							
	FS	01200	05.12	36.09	29.75		1491.5							
	FS	01260	05.05	36.08	29.75		1494.2							
	FS	01300	04.80	36.4	29.77		1491.8							
	FS	01370	04.51	36.65	29.75		1491.6							
	FS	01400	04.54	36.25	29.75		1494.4							
	FS	01500	04.24	36.03	29.70		1494.0							
	FS	01750	03.95	36.49	29.80		1495.8							
	FS	02000	03.70	36.66	29.70		1495.9							
	FS	02500	03.23	36.67	29.76		1505.8							
	FS	03000	02.79	36.47	29.90		1510.2							

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REFID 31 3173 YEAR 1970 BCTOP 04297 AIR TEMP 23.0 DIR HGT P-R WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CGNSC 0044 MONTH 05 SHIP EN WET SULT 19.4 14 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 13 DATA USE 1 RA-CATS 1321.7 SEA WIND-FXP DIRATION 00.5 2 SQUARE 46  
 LONG 047 37 W HOUR 05.7 AREA 05 CLUTR CLUTR WEATHER XI CRIG 541 044 1 SQUARE 57

LASTNUM/TIME	LEVEL	DEPTH	TEMP	SAL	STRESS	DYNDEPTH	SNF VLE	XYG	P04	TOT P	N02	N03	SIG	PH
00.0	FS	0000	19.57	36.47	29.91		1523.4							
	FS	00010	19.60	36.47	29.95		1523.5							
	FS	00020	19.40	36.39	29.99		1523.4							
	FS	00030	18.66	36.47	29.25		1520.6							
	FS	00050	18.05	36.47	29.35		1514.1							
	FS	00075	17.65	36.45	29.47		1514.4							
	FS	00100	17.31	36.42	29.55		1517.8							
	FS	00125	17.12	36.44	29.55		1517.7							
	FS	00150	17.01	36.41	29.61		1517.7							
	FS	00200	16.95	36.47	29.62		1518.4							
	FS	00250	16.96	36.41	29.62		1519.0							
	FS	00300	16.75	36.38	29.64		1515.6							
	FS	00340	16.52	36.38	29.67		1520.1							
	FS	00400	16.25	36.47	29.65		1517.4							
	FS	00500	15.04	36.62	29.76		1517.1							
	FS	00600	13.33	36.74	29.92		1512.7							
	FS	00700	11.12	36.4	29.07		1506.4							
	FS	00800	08.87	36.17	29.29		1495.6							
	FS	00840	07.93	36.4	29.38		1494.6							
	FS	00900	07.17	36.12	29.51		1494.7							
	FS	00920	06.66	36.38	29.55		1494.0							
	FS	01000	05.92	36.06	29.62		1491.3							
	FS	01100	05.76	36.12	29.70		1494.4							
	FS	01200	05.29	36.19	29.73		1492.2							
	FS	01260	05.12	36.14	29.75		1492.4							
	FS	01300	04.84	36.46	29.76		1492.0							
	FS	01400	04.67	36.46	29.78		1492.4							
	FS	01500	04.49	36.19	29.78		1493.8							

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TABLE XX.—Continued

REFID 31 173 YEAR 1970 BDTOP 04572 AIR TEMP 20.1 JIP HGT F 15 WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 047 046 DATE 05 SAT 05 WAT 14 DATA USE 1 WIND-SPO 16 TRAFF DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 14 AREA USE 1 CLUTR SEA WIND-FUR 16 DURATION 00.3 2 SQUARE 46  
 LONG 047 53 W HOUR 00.0 AREA 05 CLUTR SEA WIND-FUR 16 CLUTR WEATHER X2 ORIG ENL 047 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	ST-SALT	DYNOPHT	SPD VEL	DRYG	P34	TOT P	N02	N03	S103	PH
06.0	085	00000	19.92	36.46	26.91		1523.7							
	085	00010	19.92	36.46	26.91		1523.7							
	085	00020	19.15	36.46	26.12		1521.3							
	085	00030	18.70	36.40	26.26		1520.8							
	085	00050	18.24	36.51	26.39		1519.3							
	085	00075	17.89	36.48	26.45		1519.2							
	085	00100	17.76	36.47	26.47		1519.2							
	085	00125	17.63	36.44	26.48		1519.2							
	085	00150	17.51	36.44	26.51		1519.3							
	085	00200	17.27	36.47	26.57		1519.2							
	085	00250	17.04	36.47	26.60		1519.5							
	085	00300	16.57	36.45	26.62		1519.2							
	085	00340	16.77	36.46	26.62		1521.1							
	085	00400	16.18	36.42	26.66		1519.1							
	085	00500	14.77	36.54	26.76		1519.0							
	085	00700	13.12	36.70	26.95		1519.2							
	085	00775	11.67	36.77	27.03		1509.8							
	085	00700	11.11	36.84	27.05		1506.4							
	085	00700	09.37	36.14	27.27		1499.5							
	085	00900	07.27	36.18	27.44		1499.9							
	085	01000	06.96	36.14	27.60		1499.5							
	085	01025	06.64	36.14	27.64		1499.3							
	085	01070	06.47	36.12	27.68		1499.4							
	085	01100	06.77	36.10	27.68		1499.5							
	085	01100	06.13	36.03	27.73		1499.5							
	085	01100	04.74	36.04	27.75		1499.5							
	085	01400	04.41	36.00	27.76		1499.5							
	085	01500	04.23	36.00	27.76		1499.7							

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REFID 31 173 YEAR 1970 BDTOP 4114 AIR TEMP 21.3 JIP HGT F 15 WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 047 047 DATE 05 SAT 05 WAT 14 DATA USE 1 WIND-SPO 16 TRAFF DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 14 AREA USE 1 CLUTR SEA WIND-FUR 16 DURATION 00.3 2 SQUARE 48  
 LONG 047 53 W HOUR 00.0 AREA 05 CLUTR SEA WIND-FUR 16 CLUTR WEATHER Y1 ORIG ENL 047 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	ST-SALT	DYNOPHT	SPD VEL	DRYG	P34	TOT P	N02	N03	S103	PH
10.2	085	00000	20.45	36.40	27.75		1526.7							
	085	00010	19.80	36.44	26.95		1524.6							
	085	00020	18.41	36.47	26.99		1522.3							
	085	00030	16.03	36.52	26.18		1521.7							
	085	00050	14.33	36.53	26.36		1522.1							
	085	00075	12.84	36.47	26.45		1519.0							
	085	00100	12.69	36.46	26.48		1519.0							
	085	00125	12.44	36.46	26.51		1519.9							
	085	00150	12.44	36.44	26.54		1519.4							
	085	00200	12.14	36.41	26.58		1519.4							
	085	00250	12.09	36.41	26.51		1519.4							
	085	00300	11.89	36.27	26.62		1519.2							
	085	00360	11.43	36.46	26.66		1519.6							
	085	00400	10.53	36.27	26.66		1519.6							
	085	00500	14.27	36.45	26.76		1519.2							
	085	00600	13.13	36.46	26.81		1519.0							
	085	00650	12.50	36.60	26.89		1519.6							
	085	00700	11.47	36.41	27.00		1519.2							
	085	00800	08.74	36.12	27.27		1499.2							
	085	00870	07.14	36.06	27.43		1499.2							
	085	00900	07.15	36.11	27.51		1499.6							
	085	00920	07.06	36.13	27.55		1499.6							
	085	01000	06.14	36.06	27.62		1499.7							
	085	01010	06.12	36.07	27.61		1499.3							
	085	01020	05.92	36.11	27.63		1499.7							
	085	01045	05.94	36.11	27.66		1499.8							
	085	01100	05.83	36.11	27.68		1499.7							
	085	01200	05.46	36.07	27.71		1499.2							
	085	01300	05.12	36.07	27.74		1499.1							
	085	01400	04.41	36.05	27.76		1499.6							
	085	01500	04.55	36.05	27.77		1499.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 ACTDP 04572 AIR TEMP 21.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0051 MONTH 05 SHIP EN WET RULE 20.1 16 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 15 DATA USE 1 SEA 500 METR 1017.9 WIND-FOR DURATION 03.3 2 SQUARE 48  
 LONG 049 03 W HGUR 12.1 AFEA 05 CLCUD 1/3 CL/TR WEATHER XI DRIG E41 050 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SICMA-T	DYNDPHT	SND VEL	OXYG	P74	TOT P	NO2	NO3	SI03	PH
17.1	08S	0000	20.04	36.43	25.86		1523.9							
	08S	0010	19.91	36.47	25.85		1523.7							
	08S	0020	19.81	36.49	25.87		1523.5							
	08S	0030	18.82	36.44	25.84		1520.5							
	08S	0050	18.30	36.50	26.26		1520.0							
	08S	0075	17.89	36.45	26.44		1518.0							
	08S	00100	17.73	36.45	26.47		1518.1							
	08S	00125	17.59	36.43	26.40		1518.9							
	08S	00150	17.41	36.42	26.52		1518.9							
	08S	00200	17.09	36.38	26.57		1518.9							
	08S	00250	16.95	36.36	26.59		1518.9							
	08S	00300	16.82	36.36	26.62		1518.3							
	08S	00330	16.85	36.39	26.63		1518.7							
	08S	00360	16.85	36.38	26.63		1520.0							
	08S	00400	15.84	36.15	26.65		1518.3							
	08S	00500	15.14	36.01	26.77		1517.3							
	08S	00600	13.13	35.70	26.91		1511.4							
	08S	00700	11.03	35.45	27.10		1506.9							
	08S	00800	09.42	35.23	27.27		1501.8							
	08S	00840	08.88	35.21	27.22		1500.3							
	08S	00900	07.82	35.02	27.46		1493.2							
	08S	00925	06.98	35.03	27.52		1492.6							
	08S	01000	06.03	35.04	27.60		1491.8							
	08S	01050	05.45	35.02	27.66		1490.2							
	08S	01040	05.76	35.11	27.65		1492.3							
	08S	01100	05.74	35.11	27.65		1492.3							
	08S	01200	05.26	35.09	27.74		1491.0							
	08S	01300	04.93	35.07	27.76		1492.3							
	08S	01400	04.47	35.02	27.77		1492.1							
	08S	01500	04.24	35.01	27.79		1492.8							

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REFID 31 8173 YEAR 1970 ACTDP 04365 AIR TEMP 21.3 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0051 MONTH 05 SHIP EN WET RULE 20.0 17 1 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 15 DATA USE 1 SEA 500 METR 1017.9 WIND-FOR DURATION 03.3 2 SQUARE 46  
 LONG 047 59 W HGUR 12.1 AFEA 05 CLCUD 1/3 CL/TR WEATHER XI DRIG F41 051 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SICMA-T	DYNDPHT	SND VEL	OXYG	P74	TOT P	NO2	NO3	SI03	PH
18.1	08S	0000	20.31	36.46	25.81		1524.7							
	08S	00010	19.15	36.47	26.12		1521.7							
	08S	00020	18.92	36.51	26.21		1521.2							
	08S	00030	18.50	36.45	26.27		1520.2							
	08S	00050	18.05	36.47	26.40		1519.2							
	08S	00075	17.90	36.46	26.43		1519.2							
	08S	00100	17.68	36.45	26.46		1518.9							
	08S	00125	17.54	36.43	26.50		1518.9							
	08S	00150	17.43	36.43	26.52		1518.0							
	08S	00200	17.22	36.41	26.56		1519.2							
	08S	00250	17.07	36.41	26.60		1519.6							
	08S	00300	16.93	36.39	26.61		1519.9							
	08S	00340	16.82	36.37	26.63		1520.2							
	08S	00360	16.59	36.34	26.66		1519.8							
	08S	00400	15.89	36.18	26.70		1518.2							
	08S	00500	14.78	35.99	26.79		1516.1							
	08S	00600	13.10	35.69	26.92		1511.9							
	08S	00700	11.09	35.37	27.07		1506.3							
	08S	00800	09.23	35.23	27.28		1501.0							
	08S	00870	07.29	35.02	27.41		1494.5							
	08S	00900	06.98	35.02	27.46		1493.8							
	08S	01000	06.04	35.04	27.60		1491.8							
	08S	01018	05.93	35.06	27.63		1491.7							
	08S	01100	05.76	35.11	27.69		1492.4							
	08S	01200	05.20	35.08	27.74		1491.8							
	08S	01300	04.94	35.06	27.75		1492.4							
	08S	01400	04.67	35.05	27.77		1492.9							
	08S	01500	04.43	35.03	27.79		1493.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BUOY 04114 DIR TEMP 20.5 DIR HGT PIF WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0052 MONTH 05 SHIP EN NET RULR 19.4 16 1 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 11 N DAY 16 DATA USE 1 RAWDATA 1016.9 SEA WIND-FJR DURATION 00.3 2 SQUARE 46  
 LONG 047 57 W HOUR 00.1 AREA 05 CLUTR WEATHER X1 ORIG E41 054 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.1	OBS	00000	20.36	36.47	25.79		1524.4							
	OBS	00010	19.75	36.47	25.54		1524.5							
	OBS	00020	19.24	36.47	26.04		1524.1							
	OBS	00030	18.70	36.47	26.22		1520.7							
	OBS	00050	18.11	36.47	26.39		1514.9							
	OBS	00075	17.88	36.47	26.44		1511.1							
	OBS	00100	17.77	36.47	26.46		1514.3							
	OBS	00125	17.45	36.47	26.53		1518.7							
	OBS	00150	17.40	36.42	26.52		1514.0							
	OBS	00200	17.14	36.41	26.57		1514.0							
	OBS	00250	17.04	36.40	26.60		1519.5							
	OBS	00300	16.88	36.36	26.60		1519.8							
	OBS	00355	16.88	36.39	26.63		1520.7							
	OBS	00390	15.88	36.17	26.69		1518.0							
	OBS	00400	15.64	36.16	26.69		1517.0							
	OBS	00480	15.05	36.02	26.76		1514.7							
	OBS	00500	14.58	35.97	26.79		1514.4							
	OBS	00600	12.95	35.67	26.94		1511.4							
	OBS	00700	11.23	35.47	27.09		1506.8							
	OBS	00800	09.57	35.28	27.26		1501.3							
	OBS	00900	07.69	35.11	27.43		1494.7							
	OBS	00970	06.22	35.01	27.55		1494.0							
	OBS	00980	06.35	35.04	27.56		1494.7							
	OBS	01000	06.22	35.04	27.58		1492.5							
	OBS	01090	05.30	35.00	27.66		1490.3							
	OBS	01100	05.43	35.05	27.68		1491.0							
	OBS	01105	05.50	35.07	27.69		1491.4							
	OBS	01115	05.39	35.04	27.68		1491.1							
	OBS	01120	05.43	35.08	27.71		1491.4							
	OBS	01130	05.28	35.04	27.69		1490.9							
	OBS	01138	05.53	35.11	27.72		1492.1							
	OBS	01200	05.38	35.09	27.72		1492.5							
	OBS	01300	04.92	35.06	27.75		1492.3							
	OBS	01400	04.72	35.05	27.77		1493.1							
	OBS	01500	04.46	35.03	27.78		1493.7							

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REFID 31 8173 YEAR 1970 BUOY 04663 DIR TEMP 20.4 DIR HGT PIF WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0052 MONTH 05 SHIP EN NET RULR 19.4 16 1 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 41 N DAY 16 DATA USE 1 RAWDATA 1016.9 SEA WIND-FJR DURATION 00.3 2 SQUARE 46  
 LONG 047 57 W HOUR 00.3 AREA 05 CLUTR WEATHER X1 ORIG E41 053 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	20.25	36.49	25.85		1524.6							
	OBS	00010	20.25	36.50	25.86		1524.7							
	OBS	00020	19.77	36.47	26.46		1524.6							
	OBS	00030	19.49	36.56	26.06		1523.0							
	OBS	00050	18.46	36.48	26.31		1520.4							
	OBS	00075	17.93	36.48	26.44		1514.3							
	OBS	00100	17.71	36.43	26.46		1518.0							
	OBS	00125	17.52	36.43	26.50		1518.9							
	OBS	00150	17.36	36.41	26.53		1518.6							
	OBS	00200	17.10	36.39	26.57		1513.8							
	OBS	00250	16.98	36.39	26.60		1519.3							
	OBS	00300	16.83	36.37	26.62		1519.6							
	OBS	00400	15.64	36.15	26.73		1517.4							
	OBS	00460	15.32	36.07	26.74		1517.3							
	OBS	00500	14.66	35.96	26.80		1515.7							
	OBS	00600	13.05	35.69	26.93		1511.7							
	OBS	00700	10.80	35.38	27.13		1505.2							
	OBS	00800	09.18	35.24	27.30		1500.8							
	OBS	00900	07.48	35.11	27.46		1495.9							
	OBS	00972	06.13	35.03	27.58		1491.7							
	OBS	01000	06.13	35.04	27.59		1492.2							
	OBS	01085	05.42	35.03	27.67		1490.7							
	OBS	01100	05.62	35.10	27.70		1491.9							
	OBS	01105	05.70	35.11	27.70		1492.3							
	OBS	01115	05.70	35.12	27.71		1492.5							
	OBS	01200	05.32	35.09	27.73		1492.3							
	OBS	01260	05.06	35.08	27.75		1492.2							
	OBS	01290	05.06	35.07	27.74		1492.7							
	OBS	01300	04.97	35.07	27.76		1492.5							
	OBS	01400	04.54	35.01	27.76		1492.3							
	OBS	01500	04.29	35.01	27.78		1493.0							

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TABLE XX.—Continued

REF ID: A1 8173 YEAR: 1970 BUOY: 04580 AIR TEMP: 21.6 DIR: HOT: PIR W: 10-DIR: 21 INST: STD RECORDER: TEN SQ: 1206  
 CONSEC: 0054 MONTH: 05 SHIP: EN W: T: 30E: 16.4 DIR: HOT: PIR W: 10-SPD: 11 TRACE: DIR: 0 5 SQUARE: 2  
 LAT: 36 57 N LAT: 16 DATA USE: 1 BAROMETR: 1019.9 SEA WEATHER: X1 DURATION: 00.3 2 SQUARE: 46  
 LONG: 047 55 W HOUR: 12.0 AREA: 05 CLOUD: T/A CLZ/R

CASSTNUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	XYNDPTH	SND VEL	DEFC	PSA	TOT P	NO2	NO3	SIX	PH
12.0	085	00000	20.50	36.46	26.76		1525.2							
	085	00010	20.39	36.49	26.81		1525.1							
	085	00020	19.80	36.47	26.92		1523.6							
	085	00030	18.77	36.48	26.73		1521.0							
	085	00050	18.26	36.50	26.37		1519.9							
	085	00075	18.00	36.48	26.42		1518.5							
	085	00100	17.86	36.47	26.45		1518.4							
	085	00125	17.68	36.46	26.49		1518.4							
	085	00150	17.49	36.42	26.50		1518.2							
	085	00200	17.23	36.43	26.55		1519.2							
	085	00250	17.10	36.43	26.58		1519.6							
	085	00300	16.96	36.38	26.60		1520.0							
	085	00315	16.94	36.38	26.60		1520.2							
	085	00380	16.40	36.42	26.61		1518.5							
	085	00400	16.00	36.38	26.67		1518.5							
	085	00500	15.19	36.03	26.74		1517.5							
	085	00600	13.52	35.76	26.85		1513.4							
	085	00660	12.63	35.61	26.96		1511.2							
	085	00700	11.60	35.47	27.04		1508.2							
	085	00800	09.65	35.26	27.13		1502.6							
	085	00830	08.85	35.21	27.13		1500.1							
	085	00900	07.93	35.12	27.14		1497.4							
	085	00950	06.63	34.73	27.21		1493.5							
	085	01000	06.24	34.64	27.27		1492.5							
	085	01050	05.65	34.52	27.31		1491.7							
	085	01070	05.66	34.42	27.34		1491.3							
	085	01100	05.84	34.34	27.30		1490.4							
	085	01200	05.31	34.29	27.33		1490.3							
	085	01300	04.93	34.37	27.36		1489.3							
	085	01380	04.90	34.37	27.36		1490.9							
	085	01400	04.58	34.34	27.38		1490.5							
	085	01500	04.29	34.31	27.38		1490.0							

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REF ID: A1 8173 YEAR: 1970 BUOY: 04572 AIR TEMP: 19.3 DIR: HOT: PIR W: 10-DIR: 05 INST: STD RECORDER: TEN SQ: 1206  
 CONSEC: 0055 MONTH: 05 SHIP: EN W: T: 30E: 16.4 DIR: HOT: PIR W: 10-SPD: 25 TRACE: DIR: 0 5 SQUARE: 2  
 LAT: 36 57 N LAT: 16 DATA USE: 1 BAROMETR: 1019.9 SEA WEATHER: X1 DURATION: 00.3 2 SQUARE: 46  
 LONG: 047 55 W HOUR: 17.7 AREA: 05 CLOUD: T/A CLZ/R

CASSTNUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	XYNDPTH	SND VEL	DEFC	PSA	TOT P	NO2	NO3	SIX	PH
17.7	085	00000	20.44	36.50	26.71		1527.1							
	085	00010	20.17	36.47	26.72		1526.4							
	085	00020	19.49	36.46	26.73		1527.6							
	085	00040	18.99	36.48	26.37		1521.6							
	085	00050	18.46	36.50	26.32		1527.6							
	085	00075	18.08	36.47	26.41		1519.7							
	085	00100	17.86	36.46	26.44		1518.5							
	085	00125	17.69	36.47	26.48		1519.4							
	085	00150	17.52	36.44	26.51		1518.3							
	085	00200	17.20	36.41	26.54		1519.1							
	085	00250	17.37	36.41	26.57		1518.5							
	085	00300	16.97	36.37	26.61		1517.7							
	085	00315	16.74	36.35	26.61		1517.7							
	085	00400	15.71	36.14	26.74		1517.6							
	085	00440	15.52	36.15	26.74		1517.7							
	085	00500	14.97	36.15	26.78		1516.8							
	085	00500	14.47	36.15	26.78		1516.8							
	085	00530	13.43	35.94	26.81		1516.9							
	085	00530	11.19	35.40	26.81		1507.4							
	085	00600	9.40	34.74	26.81		1501.7							
	085	00670	08.41	34.20	26.81		1496.7							
	085	00700	08.23	34.11	26.81		1495.9							
	085	00720	08.05	34.11	26.84		1495.7							
	085	01000	6.04	33.71	26.87		1490.1							
	085	01070	5.87	33.60	26.87		1487.5							
	085	01100	5.51	33.51	26.87		1490.0							
	085	01150	5.41	33.41	26.84		1488.7							
	085	01200	5.37	33.41	26.87		1488.1							
	085	01220	5.36	33.31	26.87		1487.4							
	085	01250	5.35	33.21	26.87		1486.4							
	085	01300	5.24	33.11	26.87		1485.4							
	085	01320	5.24	33.11	26.87		1485.4							
	085	01370	5.23	33.11	26.87		1485.4							
	085	01400	5.23	33.11	26.87		1485.4							
	085	01420	5.23	33.11	26.87		1485.4							
	085	01470	5.23	33.11	26.87		1485.4							
	085	01500	5.23	33.11	26.87		1485.4							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 STATION 04755 SITE CODE 11.0 DIR -GT 0.9 #TNO-TIR 03 INST STD PROC PER TEN SQ 1206  
 CONSEC 0086 #INT# 08 SHIP LN 487 11 19.7 22 5 3 #IND-IND 04 TRACR DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 17 DATE 197 1 048 #T# 1711.7 SEA 1518 #IND-IND 04 DURATION 20.4 2 SQUARE 48  
 LONG 049 18 W TUP 17.0 AREA 28 CLOUD 0.0 0.77# WGT FR 17 CRIS EAT 0.66 1 SQUARE 48

CASNO/TIME	LEVEL	DEPTH	TEMP	SAL	COND-AT	COND-PTH	COND-SSL	SPD	PT4	TOT P	WIND	NO3	SI03	PH
00.0	10.0	00000	20.37	35.47	27.4		1524.0							
	10.0	00010	20.32	35.45	27.4		1524.0							
	10.0	00020	19.77	35.42	27.4									
	10.0	00030	18.77	35.39	27.4									
	10.0	00040	17.78	35.37	27.4		1519.5							
	10.0	00050	17.78	35.37	27.4		1519.5							
	10.0	00100	17.87	35.38	27.4		1519.5							
	10.0	00128	17.80	35.38	27.4		1519.5							
	10.0	00150	17.81	35.41	27.4		1519.5							
	10.0	00178	17.81	35.41	27.4		1519.5							
	10.0	00200	17.81	35.41	27.4		1519.5							
	10.0	00228	17.81	35.41	27.4		1519.5							
	10.0	00250	17.81	35.41	27.4		1519.5							
	10.0	00278	17.81	35.41	27.4		1519.5							
	10.0	00300	17.81	35.41	27.4		1519.5							
	10.0	00328	17.81	35.41	27.4		1519.5							
	10.0	00350	17.81	35.41	27.4		1519.5							
	10.0	00378	17.81	35.41	27.4		1519.5							
	10.0	00400	17.81	35.41	27.4		1519.5							
	10.0	00428	17.81	35.41	27.4		1519.5							
	10.0	00450	17.81	35.41	27.4		1519.5							
	10.0	00478	17.81	35.41	27.4		1519.5							
	10.0	00500	17.81	35.41	27.4		1519.5							
	10.0	00528	17.81	35.41	27.4		1519.5							
	10.0	00550	17.81	35.41	27.4		1519.5							
	10.0	00578	17.81	35.41	27.4		1519.5							
	10.0	01000	16.71	35.31	27.4		1492.5							
	10.0	01028	16.71	35.31	27.4		1492.5							
	10.0	01050	16.71	35.31	27.4		1492.5							
	10.0	01078	16.71	35.31	27.4		1492.5							
	10.0	01100	16.71	35.31	27.4		1492.5							
	10.0	01128	16.71	35.31	27.4		1492.5							
	10.0	01150	16.71	35.31	27.4		1492.5							
	10.0	01178	16.71	35.31	27.4		1492.5							
	10.0	01200	16.71	35.31	27.4		1492.5							
	10.0	01228	16.71	35.31	27.4		1492.5							
	10.0	01250	16.71	35.31	27.4		1492.5							
	10.0	01278	16.71	35.31	27.4		1492.5							
	10.0	01300	16.71	35.31	27.4		1492.5							
	10.0	01328	16.71	35.31	27.4		1492.5							
	10.0	01350	16.71	35.31	27.4		1492.5							
	10.0	01378	16.71	35.31	27.4		1492.5							
	10.0	01400	16.71	35.31	27.4		1492.5							
	10.0	01428	16.71	35.31	27.4		1492.5							
	10.0	01450	16.71	35.31	27.4		1492.5							
	10.0	01478	16.71	35.31	27.4		1492.5							
	10.0	01500	16.71	35.31	27.4		1492.5							

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REFID 31 8173 YEAR 1970 STATION 04755 SITE CODE 11.0 DIR -GT 0.9 #TNO-TIR 03 INST STD PROC PER TEN SQ 1206  
 CONSEC 0087 #INT# 08 SHIP LN 487 11 19.7 22 5 3 #IND-IND 04 TRACR DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 17 DATE 197 1 048 #T# 1711.7 SEA 1518 #IND-IND 04 DURATION 20.4 2 SQUARE 48  
 LONG 049 18 W TUP 17.0 AREA 28 CLOUD 0.0 0.77# WGT FR 17 CRIS EAT 0.66 1 SQUARE 48

CASNO/TIME	LEVEL	DEPTH	TEMP	SAL	COND-AT	COND-PTH	COND-SSL	SPD	PT4	TOT P	WIND	NO3	SI03	PH
18.0	10.0	00000	19.81	35.47	27.4		1522.8							
	10.0	00010	19.81	35.45	27.4		1522.8							
	10.0	00020	19.81	35.42	27.4		1522.8							
	10.0	00030	19.81	35.42	27.4		1522.8							
	10.0	00040	19.81	35.39	27.4		1522.8							
	10.0	00050	19.81	35.39	27.4		1522.8							
	10.0	00100	19.81	35.39	27.4		1522.8							
	10.0	00128	19.81	35.39	27.4		1522.8							
	10.0	00150	19.81	35.39	27.4		1522.8							
	10.0	00178	19.81	35.39	27.4		1522.8							
	10.0	00200	19.81	35.39	27.4		1522.8							
	10.0	00228	19.81	35.39	27.4		1522.8							
	10.0	00250	19.81	35.39	27.4		1522.8							
	10.0	00278	19.81	35.39	27.4		1522.8							
	10.0	00300	19.81	35.39	27.4		1522.8							
	10.0	00328	19.81	35.39	27.4		1522.8							
	10.0	00350	19.81	35.39	27.4		1522.8							
	10.0	00378	19.81	35.39	27.4		1522.8							
	10.0	00400	19.81	35.39	27.4		1522.8							
	10.0	00428	19.81	35.39	27.4		1522.8							
	10.0	00450	19.81	35.39	27.4		1522.8							
	10.0	00478	19.81	35.39	27.4		1522.8							
	10.0	00500	19.81	35.39	27.4		1522.8							
	10.0	00528	19.81	35.39	27.4		1522.8							
	10.0	00550	19.81	35.39	27.4		1522.8							
	10.0	00578	19.81	35.39	27.4		1522.8							
	10.0	01000	18.71	35.29	27.4		1495.8							
	10.0	01028	18.71	35.29	27.4		1495.8							
	10.0	01050	18.71	35.29	27.4		1495.8							
	10.0	01078	18.71	35.29	27.4		1495.8							
	10.0	01100	18.71	35.29	27.4		1495.8							
	10.0	01128	18.71	35.29	27.4		1495.8							
	10.0	01150	18.71	35.29	27.4		1495.8							
	10.0	01178	18.71	35.29	27.4		1495.8							
	10.0	01200	18.71	35.29	27.4		1495.8							
	10.0	01228	18.71	35.29	27.4		1495.8							
	10.0	01250	18.71	35.29	27.4		1495.8							
	10.0	01278	18.71	35.29	27.4		1495.8							
	10.0	01300	18.71	35.29	27.4		1495.8							
	10.0	01328	18.71	35.29	27.4		1495.8							
	10.0	01350	18.71	35.29	27.4		1495.8							
	10.0	01378	18.71	35.29	27.4		1495.8							
	10.0	01400	18.71	35.29	27.4		1495.8							
	10.0	01428	18.71	35.29	27.4		1495.8							
	10.0	01450	18.71	35.29	27.4		1495.8							
	10.0	01478	18.71	35.29	27.4		1495.8							
	10.0	01500	18.71	35.29	27.4		1495.8							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 ROTOP 03200 AIR TEMP 16.5 DIR HGT FOP WIND-DIR 07 INST STD RECORDER TEN SQ 1235  
 CONSEC 0060 MONTH 05 SHIP IN MET SULE 12.7 07 3 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 18 DATA JSC 1 METEOR 1031.5 SEA DIR-FOP UNPATIEN 00.3 2 SQUARE 4  
 LONG 048 02 W HOUR 12.1 AREA 05 (EQU 17) CL/TF WEATHER X1 CRIG B41 060 1 SQUARE 58

CASLNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	STRA-T	DYNDPH	STD VFL	XYG	P14	TCT P	NO2	NO3	ST13	PH
12.1	DBS	00000	19.34	36.47	20.09		1522.1							
	DBS	00010	19.34	36.53	20.16		1522.3							
	DBS	00020	19.34	36.53	20.16		1522.4							
	DBS	00030	19.29	36.53	20.13		1522.5							
	DBS	00050	18.05	36.47	20.40		1519.2							
	DBS	00075	17.78	36.47	20.47		1518.8							
	DBS	00100	17.63	36.46	20.50		1518.8							
	DBS	00125	17.47	36.45	20.53		1518.7							
	DBS	00150	17.32	36.43	20.55		1518.7							
	DBS	00200	17.13	36.43	20.58		1518.8							
	DBS	00250	17.00	36.40	20.61		1519.3							
	DBS	00300	16.86	36.38	20.62		1519.7							
	DBS	00400	16.01	36.19	20.68		1518.6							
	DBS	00500	14.79	35.74	20.76		1516.1							
	DBS	00600	13.38	35.74	20.71		1512.9							
	DBS	00660	12.48	35.54	20.67		1510.7							
	DBS	00700	11.50	35.46	20.66		1507.8							
	DBS	00800	09.63	35.24	20.25		1502.5							
	DBS	00900	07.98	35.23	20.48		1498.0							
	DBS	00910	07.98	35.23	20.48		1498.1							
	DBS	01000	06.14	35.03	20.48		1492.2							
	DBS	01090	05.68	35.74	20.65		1491.8							
	DBS	01100	05.68	35.10	20.65		1492.1							
	DBS	01120	05.79	35.11	20.65		1492.9							
	DBS	01200	05.41	35.15	20.72		1492.7							
	DBS	01265	05.11	35.17	20.74		1492.5							
	DBS	01300	05.08	35.17	20.74		1493.0							
	DBS	01400	04.67	35.17	20.72		1492.9							
	DBS	01415	04.58	35.01	20.75		1492.8							
	DBS	01500	04.52	35.32	20.77		1493.9							

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REFID 31 8173 YEAR 1970 ROTOP 04572 AIR TEMP 15.7 DIR HGT FOP WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0061 MONTH 05 SHIP IN MET SULE 12.1 06 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 18 DATA JSC 1 METEOR 1031.5 SEA DIR-FOP UNPATIEN 00.3 2 SQUARE 4  
 LONG 048 11 W HOUR 17.7 AREA 05 (EQU 17) CL/TF WEATHER X1 CRIG B41 061 1 SQUARE 58

CASLNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	STRA-T	DYNDPH	STD VFL	XYG	P14	TCT P	NO2	NO3	ST13	PH
17.7	DBS	00000	19.46	36.51	20.17		1520.4							
	DBS	00010	19.33	36.51	20.11		1520.2							
	DBS	00020	19.29	36.51	20.16		1520.3							
	DBS	00030	19.01	36.47	20.16		1521.6							
	DBS	00050	17.36	36.43	20.42		1516.5							
	DBS	00075	17.67	36.43	20.47		1516.5							
	DBS	00100	17.55	36.44	20.50		1516.5							
	DBS	00125	17.43	36.44	20.53		1516.6							
	DBS	00150	17.30	36.42	20.55		1518.6							
	DBS	00200	17.04	36.40	20.60		1518.6							
	DBS	00250	16.84	36.34	20.61		1519.1							
	DBS	00300	16.95	36.35	20.61		1519.7							
	DBS	00400	16.22	36.25	20.67		1515.5							
	DBS	00500	14.65	35.90	20.76		1515.6							
	DBS	00500	13.00	35.73	20.60		1511.5							
	DBS	00700	11.11	35.16	20.65		1506.1							
	DBS	00800	09.07	35.23	20.70		1500.5							
	DBS	00900	07.90	35.10	20.75		1497.5							
	DBS	01000	05.96	35.27	20.60		1491.5							
	DBS	01080	05.83	35.16	20.68		1490.6							
	DBS	01100	05.76	35.16	20.71		1490.4							
	DBS	01200	05.19	35.18	20.74		1491.8							
	DBS	01300	04.94	35.07	20.76		1490.4							
	DBS	01400	04.83	35.34	20.78		1492.3							
	DBS	01500	04.40	35.73	20.79		1490.5							
	DBS	01750	04.01	35.00	20.81		1490.0							
	DBS	02000	03.83	34.98	20.82		1490.5							
	DBS	02500	03.41	34.69	20.86		1490.3							
	DBS	03000	02.95	34.46	20.88		1491.9							

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TABLE XX.—Continued

REF ID: A1 8173 YEAR: 1970 BOTDP: 04755 AIR TEMP: 16.3 DIR HGT: PEP WIND-DIR: 05 INST STD RECORDER TEN SQ: 1206  
 CON-EC: 0062 MONTH: 05 SHIP: 1A NET RULE: 12.6 04 1 3 WIND-SPD: 15 TRACE DIR: 0 5 SQUARE: 4  
 LAT: 35 00 N DAY: 16 DATA USE: 1 SAFOMETE: 1028.8 SEA WIND-FOR: DURATION: 00.3 2 SQUARE: 48  
 LONG: 048 25 W HOUR: 22.4 AREA: 05 CLUD: T/A CL/TR: WEATHER: XI ORIG: E41 062 1 SQUARE: 58

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VFL	OXYG	P-4	TOT P	NO2	NO3	SIG3	PH
23.4	BS	00000	19.29	36.50	26.11		1521.9							
	BS	00210	19.28	36.51	26.12		1521.1							
	BS	00220	19.26	36.51	26.12		1522.3							
	BS	00030	18.76	36.42	26.18		1520.4							
	BS	00050	17.89	36.45	26.47		1516.7							
	BS	00075	17.55	36.43	26.40		1518.1							
	BS	00100	17.48	36.44	26.42		1518.3							
	BS	00125	17.41	36.43	26.43		1519.5							
	BS	00150	17.30	36.42	26.45		1518.6							
	BS	00200	17.08	36.40	26.55		1518.8							
	BS	00250	16.94	36.39	26.61		1519.1							
	BS	00300	16.81	36.37	26.63		1519.6							
	BS	00400	16.22	36.24	26.67		1519.3							
	BS	00500	15.09	36.03	26.76		1517.1							
	BS	00600	13.15	35.89	26.71		1511.1							
	BS	00700	11.35	35.45	26.78		1507.3							
	BS	00800	9.04	35.14	26.74		1506.2							
	BS	00900	07.20	35.06	26.70		1494.7							
	BS	00950	06.30	35.01	26.74		1492.0							
	BS	00975	06.30	35.07	26.75		1491.5							
	BS	01000	06.24	35.08	26.71		1492.6							
	BS	01100	05.76	35.10	26.68		1491.4							
	BS	01200	05.31	35.17	26.72		1491.2							
	BS	01240	05.11	35.26	26.73		1491.1							
	BS	01275	05.04	35.26	26.74		1492.4							
	BS	01265	04.93	35.24	26.74		1492.1							
	BS	01300	04.89	35.04	26.74		1491.1							
	BS	01370	04.74	35.02	26.74		1492.7							
	BS	01400	04.65	35.04	26.77		1492.8							
	BS	01420	04.65	35.04	26.77		1493.2							
	BS	01500	04.49	35.02	26.77		1493.8							

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REF ID: A1 8173 YEAR: 1970 BOTDP: 04480 AIR TEMP: 16.3 DIR HGT: PEP WIND-DIR: 04 INST STD RECORDER TEN SQ: 1206  
 CONSEC: 0063 MONTH: 05 SHIP: EN NET RULE: 12.6 05 1 3 WIND-SPD: 15 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 34 59 N DAY: 19 DATA USE: 1 SAFOMETE: 1028.8 SEA WIND-FOR: DURATION: 00.3 2 SQUARE: 48  
 LONG: 048 00 W HOUR: 06.2 AREA: 05 CLUD: T/A CL/TR: WEATHER: XI ORIG: E41 063 1 SQUARE: 48

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VFL	OXYG	P-4	TOT P	NO2	NO3	SIG3	PH
06.2	BS	00000	19.12	36.49	26.14		1521.4							
	BS	00010	19.12	36.48	26.14		1521.6							
	BS	00020	19.12	36.48	26.14		1521.8							
	BS	00030	18.71	36.42	26.20		1520.7							
	BS	00050	18.05	36.49	26.42		1519.2							
	BS	00075	17.86	36.47	26.45		1519.1							
	BS	00100	17.62	36.44	26.45		1516.8							
	BS	00125	17.45	36.44	26.53		1518.7							
	BS	00150	17.25	36.40	26.55		1518.4							
	BS	00200	17.04	36.40	26.60		1516.6							
	BS	00250	16.97	36.39	26.60		1519.2							
	BS	00300	16.77	36.36	26.63		1519.4							
	BS	00400	15.99	36.20	26.65		1518.5							
	BS	00500	14.88	35.97	26.76		1516.4							
	BS	00600	13.54	35.77	26.60		1513.5							
	BS	00700	11.45	35.44	26.05		1507.6							
	BS	00800	09.20	35.26	26.31		1500.9							
	BS	00835	09.06	35.24	26.32		1501.0							
	BS	00860	08.90	35.21	26.32		1500.8							
	BS	00900	08.24	35.24	26.45		1499.0							
	BS	00925	07.76	35.20	26.45		1497.5							
	BS	00950	07.73	35.22	26.51		1497.8							
	BS	01000	07.34	35.24	26.58		1497.2							
	BS	01060	06.81	35.20	26.62		1496.1							
	BS	01100	05.66	35.04	26.65		1491.9							
	BS	01160	05.48	35.06	26.69		1492.2							
	BS	01200	05.48	35.10	26.72		1493.0							
	BS	01230	05.46	35.09	26.71		1493.4							
	BS	01300	05.11	35.08	26.75		1493.1							
	BS	01365	04.84	35.05	26.75		1493.0							
	BS	01400	04.84	35.06	26.76		1493.6							
	BS	01440	04.70	35.04	26.76		1493.7							
	BS	01470	04.42	35.01	26.77		1493.0							
	BS	01500	04.37	35.01	26.78		1493.3							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04389 AIR TEMP 17.9 DIF HGT PER WIND-DIP 04 INST STD RECDRDR TEN SQ 1206  
 CONFEC 0064 MONTH 05 SHIP EM WET BULL 13.4 WIND-SPD 17 TRACE DIP 0 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 PAROMFR 1027.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 046 07 W HOUR 12.0 AREA 05 CLUD T/1 CL/TP WEATHER XI CPIG E41 064 1 SQUARE 59

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	URS	00000	19.36	35.75	26.13		1522.2							
	URS	00010	19.36	35.75	26.13		1522.4							
	URS	00020	19.36	35.75	26.13		1522.5							
	URS	00030	19.36	35.75	26.13		1522.7							
	URS	00050	17.64	35.45	26.44		1518.6							
	URS	00075	17.64	35.45	26.44		1518.3							
	URS	00100	17.50	35.44	26.51		1517.8							
	URS	00125	17.37	35.44	26.55		1515.4							
	URS	00150	17.20	35.42	26.57		1513.3							
	URS	00200	17.05	35.42	26.61		1513.7							
	URS	00250	16.94	35.40	26.62		1513.2							
	URS	00300	16.84	35.39	26.64		1512.7							
	URS	00320	16.84	35.39	26.64		1520.0							
	URS	00400	16.03	35.19	26.67		1512.6							
	URS	00440	15.44	35.09	26.74		1517.3							
	URS	00500	14.65	35.95	26.80		1515.7							
	URS	00600	13.16	35.72	26.94		1512.7							
	URS	00640	12.59	35.60	26.96		1510.7							
	URS	00700	11.25	35.45	27.10		1496.9							
	URS	00800	09.71	35.30	27.25		1502.9							
	URS	00820	09.24	35.26	27.30		1501.4							
	URS	00870	08.54	35.21	27.38		1489.6							
	URS	00900	08.24	35.22	27.42		1489.1							
	URS	00940	07.79	35.20	27.48		1487.8							
	URS	00975	07.69	35.25	27.54		1498.1							
	URS	01000	07.29	35.18	27.54		1496.9							
	URS	01090	05.73	35.08	27.67		1492.1							
	URS	01100	05.82	35.11	27.68		1482.7							
	URS	01130	05.82	35.10	27.68		1483.2							
	URS	01170	05.64	35.12	27.71		1492.3							
	URS	01200	05.46	35.10	27.72		1482.9							
	URS	01300	05.07	35.08	27.75		1492.9							
	URS	01360	04.80	35.05	27.76		1492.8							
	URS	01400	04.76	35.05	27.76		1493.3							
	URS	01450	04.52	35.01	27.76		1493.1							
	URS	01500	04.42	35.02	27.78		1493.5							

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REFID 31 8173 YEAR 1970 BOTOP 04572 AIR TEMP 17.2 DIF HGT PER WIND-DIP 02 INST STD RECDRDR TEN SQ 1206  
 CONFEC 0064 MONTH 05 SHIP EM WET BULL 13.4 WIND-SPD 12 TRACE DIP 0 5 SQUARE 2  
 LAT 34 57 N DAY 19 DATA USE 1 PAROMFR 1029.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46  
 LONG 047 59 W HOUR 17.6 AREA 05 CLUD T/1 CL/TP WEATHER XI CPIG E41 065 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.6	URS	00000	18.71	35.46	26.23		1520.3							
	URS	00010	18.57	35.46	26.26		1520.0							
	URS	00020	18.51	35.45	26.27		1520.0							
	URS	00030	18.43	35.45	26.29		1520.0							
	URS	00050	17.62	35.45	26.49		1517.9							
	URS	00075	17.50	35.45	26.51		1518.0							
	URS	00100	17.21	35.42	26.57		1517.5							
	URS	00125	17.20	35.44	26.55		1517.9							
	URS	00150	17.14	35.43	26.59		1518.2							
	URS	00200	17.04	35.45	26.63		1518.7							
	URS	00225	17.03	35.44	26.63		1519.1							
	URS	00250	16.91	35.41	26.63		1519.1							
	URS	00300	16.63	35.32	26.65		1519.3							
	URS	00400	16.03	35.21	26.65		1518.6							
	URS	00500	14.92	35.01	26.75		1516.6							
	URS	00600	13.75	35.83	26.90		1514.2							
	URS	00700	11.51	35.49	27.08		1507.9							
	URS	00800	09.81	35.27	27.21		1503.2							
	URS	00900	08.37	35.25	27.43		1496.5							
	URS	01000	07.46	35.25	27.57		1497.7							
	URS	01100	06.72	35.22	27.65		1496.4							
	URS	01185	05.46	35.05	27.68		1492.6							
	URS	01200	05.44	35.07	27.70		1482.8							
	URS	01220	05.36	35.07	27.71		1492.8							
	URS	01255	05.05	35.09	27.76		1492.1							
	URS	01300	05.05	35.08	27.75		1492.9							
	URS	01400	04.77	35.06	27.77		1493.4							
	URS	01500	04.52	35.04	27.78		1494.0							
	URS	01750	04.04	35.00	27.80		1496.1							
	URS	01920	04.02	35.01	27.81		1498.9							
	URS	02000	03.84	35.00	27.82		1499.5							
	URS	02500	03.45	34.98	27.85		1506.4							
	URS	03000	02.73	34.97	27.91		1512.0							

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TABLE XX.—Continued

REFID 31 8173	YEAR 1970	BOTOP 04755	AIR TEMP 17.1	DIR HGT PER	WIND-DIR 02	INST STO RECORDER	TEN SQ 1206
CONSEC 0066	MCNTH 05	SHIP EN	WET BULB 12.9	02 2 2	WIND-SPD 17	TRACE DIR 0	5 SQUARE 2
LAT 34 55 N	DAY 19	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FDR	DURATION 00.5	2 SQUARE 48
LONG 048 07 W	HOUR 23.9	AREA 05	CLLOUD T/A	CL/TR	WEATHER X1	ORIG E41 066	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIJMA-T	DYNDPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
23.9	OBS	00000	19.15	36.47	26.12		1521.5							
	OBS	00010	19.15	36.47	26.12		1521.7							
	OBS	00020	19.15	36.47	26.12		1521.8							
	OBS	00030	18.57	36.42	26.23		1520.3							
	OBS	00050	17.79	36.45	26.45		1518.4							
	OBS	00075	17.51	36.44	26.51		1518.0							
	OBS	00100	17.42	36.45	26.54		1518.2							
	OBS	00125	17.21	36.41	26.56		1517.9							
	OBS	00150	17.22	36.44	26.58		1518.4							
	OBS	00200	17.13	36.44	26.60		1519.0							
	OBS	00250	16.92	36.40	26.62		1519.1							
	OBS	00300	16.85	36.39	26.63		1519.7							
	OBS	00400	16.41	36.31	26.68		1519.9							
	OBS	00440	15.56	36.10	26.71		1517.7							
	OBS	00500	14.90	36.00	26.78		1516.5							
	OBS	00600	13.27	35.72	26.91		1512.5							
	OBS	00700	11.22	35.43	27.09		1506.8							
	OBS	00800	09.59	35.29	27.27		1502.4							
	OBS	00900	08.21	35.21	27.43		1498.8							
	OBS	00945	07.59	35.20	27.51		1497.2							
	OBS	00970	07.59	35.24	27.54		1497.6							
	OBS	01000	07.19	35.19	27.56		1496.5							
	OBS	01100	05.71	35.04	27.64		1492.1							
	OBS	01200	05.37	35.07	27.71		1492.5							
	OBS	01300	05.00	35.06	27.74		1492.6							
	OBS	01380	04.66	35.03	27.76		1492.5							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01500	04.45	35.02	27.77		1493.7							

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REFID 31 8173	YEAR 1970	BOTOP 04846	AIR TEMP 16.9	DIR HGT PER	WIND-DIR 03	INST STO RECORDER	TEN SQ 1206
CONSEC 0067	MCNTH 05	SHIP EN	WET BULB 14.3	02 1 3	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 34 50 N	DAY 20	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FDR	DURATION 00.3	2 SQUARE 48
LONG 048 21 W	HOUR 06.1	AREA 05	CLLOUD T/A	CL/TR	WEATHER X1	ORIG F41 067	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIJMA-T	DYNDPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	19.26	36.53	26.14		1521.9							
	OBS	00010	19.26	36.53	26.14		1522.1							
	OBS	00020	19.26	36.53	26.14		1522.2							
	OBS	00030	19.26	36.53	26.14		1522.4							
	OBS	00050	18.52	36.39	26.22		1520.5							
	OBS	00075	17.63	36.42	26.47		1518.3							
	OBS	00100	17.38	36.42	26.52		1518.0							
	OBS	00125	17.28	36.42	26.55		1517.1							
	OBS	00150	17.19	36.41	26.57		1516.3							
	OBS	00200	17.06	36.40	26.58		1518.7							
	OBS	00250	16.97	36.40	26.61		1518.3							
	OBS	00300	16.88	36.39	26.63		1519.9							
	OBS	00360	16.82	36.38	26.65		1520.6							
	OBS	00400	16.44	36.29	26.68		1520.0							
	OBS	00500	15.23	36.00	26.71		1517.5							
	OBS	00600	13.49	35.76	26.80		1513.3							
	OBS	00700	11.66	35.46	27.00		1508.4							
	OBS	00800	09.47	35.25	27.20		1501.9							
	OBS	00900	08.02	35.19	27.44		1498.1							
	OBS	00920	07.54	35.17	27.44		1498.1							
	OBS	00940	07.24	35.11	27.46		1498.6							
	OBS	01000	06.56	35.11	27.54		1494.0							
	OBS	01060	05.74	35.06	27.65		1491.6							
	OBS	01100	05.65	35.07	27.67		1491.9							
	OBS	01175	05.31	35.07	27.72		1491.8							
	OBS	01200	05.31	35.09	27.73		1491.3							
	OBS	01300	04.93	35.06	27.75		1490.3							
	OBS	01400	04.54	35.02	27.76		1492.4							
	OBS	01420	04.48	35.02	27.77		1492.4							
	OBS	01500	04.37	35.02	27.76		1493.3							

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TABLE XX.—Continued

REFID 31 8173 YFAR 1970 BOTDP 04480 AIR TEMP 19.0 DIP HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CONSEC 0068 MONTH 05 SHIP EN WET BULB 14.8 01 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 20 DATA USE 1 BAROMETF 170.7 SEA WIND-FDR DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 12.1 AREA 05 CLOUD 7/4 CL/TR WEATHER X1 DRIG E41 068 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	18.14	36.43	26.35		1516.6							
	OBS	00010	18.14	36.43	26.35		1518.8							
	OBS	00020	18.14	36.43	26.35		1518.9							
	OBS	00030	18.14	36.43	26.35		1519.1							
	OBS	00050	18.05	36.41	26.36		1519.1							
	OBS	00075	17.18	36.44	26.56		1517.1							
	OBS	00100	17.17	36.44	26.60		1517.4							
	OBS	00125	17.14	36.44	26.60		1517.8							
	OBS	00150	17.12	36.44	26.61		1518.1							
	OBS	00200	17.11	36.44	26.61		1518.9							
	OBS	00250	17.09	36.44	26.61		1519.7							
	OBS	00300	16.93	36.41	26.63		1520.0							
	OBS	00340	16.68	36.36	26.65		1519.8							
	OBS	00360	16.59	36.32	26.64		1519.8							
	OBS	00400	16.56	36.34	26.64		1520.4							
	OBS	00425	16.26	36.28	26.65		1519.8							
	OBS	00465	16.05	36.21	26.69		1518.8							
	OBS	00500	15.24	36.06	26.75		1517.7							
	OBS	00535	14.81	36.01	26.81		1516.8							
	OBS	00600	14.17	35.91	26.87		1515.7							
	OBS	00700	11.37	35.43	27.06		1507.4							
	OBS	00800	09.52	35.26	27.26		1502.1							
	OBS	00840	08.70	35.24	27.27		1499.7							
	OBS	00900	08.14	35.25	27.47		1498.0							
	OBS	00970	07.64	35.25	27.54		1497.9							
	OBS	01000	07.53	35.26	27.57		1497.9							
	OBS	01100	06.80	35.23	27.65		1496.7							
	OBS	01130	06.31	35.19	27.68		1495.2							
	OBS	01160	06.31	35.21	27.70		1495.2							
	OBS	01200	06.06	35.17	27.70		1495.4							
	OBS	01245	05.12	35.02	27.70		1492.1							
	OBS	01300	05.13	35.07	27.74		1493.2							
	OBS	01350	04.84	35.04	27.75		1493.8							
	OBS	01400	04.82	35.05	27.76		1493.5							
	OBS	01500	04.48	35.03	27.76		1493.8							

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REFID 31 8173 YEAR 1970 BOTDP 04846 AIR TEMP 18.4 DIP HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206  
 CONSEC 0069 MONTH 05 SHIP EN WET BULB 16.1 02 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 20 DATA USE 1 BAROMETF 1019.3 SEA WIND-FDR DURATION 00.6 2 SQUARE 46  
 LONG 047 58 W HOUR 17.7 AREA 05 CLOUD 7/4 CL/TR WEATHER X1 DRIG E41 069 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.7	OBS	00000	18.46	36.42	26.26		1519.5							
	OBS	00010	18.31	36.39	26.28		1514.2							
	OBS	00020	18.13	36.41	26.24		1516.9							
	OBS	00030	18.06	36.42	26.26		1518.9							
	OBS	00050	18.02	36.41	26.36		1518.1							
	OBS	00075	17.24	36.45	26.56		1517.2							
	OBS	00100	17.13	36.44	26.60		1517.3							
	OBS	00125	17.12	36.45	26.61		1517.7							
	OBS	00150	17.12	36.45	26.61		1518.1							
	OBS	00200	17.06	36.44	26.62		1518.7							
	OBS	00250	16.93	36.41	26.63		1519.1							
	OBS	00300	16.66	36.35	26.65		1519.1							
	OBS	00400	15.79	36.14	26.65		1517.8							
	OBS	00500	14.87	35.98	26.77		1516.4							
	OBS	00600	13.43	35.77	26.92		1513.1							
	OBS	00700	11.52	35.43	27.03		1507.8							
	OBS	00800	09.51	35.25	27.25		1502.1							
	OBS	00900	08.19	35.24	27.45		1498.8							
	OBS	01000	07.42	35.25	27.53		1497.5							
	OBS	01100	06.63	35.21	27.60		1496.0							
	OBS	01170	06.07	35.17	27.70		1494.9							
	OBS	01200	06.24	35.21	27.71		1496.2							
	OBS	01260	05.10	35.06	27.72		1492.7							
	OBS	01290	05.13	35.09	27.75		1493.0							
	OBS	01300	05.15	35.09	27.75		1493.3							
	OBS	01400	04.82	35.06	27.76		1493.6							
	OBS	01500	04.49	35.04	27.75		1493.4							
	OBS	01750	04.64	35.00	27.80		1496.1							
	OBS	02000	03.81	35.00	27.81		1494.4							
	OBS	02500	03.44	35.00	27.81		1506.6							
	OBS	03000	02.90	34.97	27.81		1512.7							

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TABLE XX.—Continued

REFID 31 1173 YEAF 1971 BGTDP 05121 AIR TEMP 16.4 DIP HGT PFF WIND-DIR 0 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0070 MONTH 05 SHIP EN MET RULF 15.6 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 21 DATA USE 1 BAROMETR 1015.4 SEA WIND-FRP DURATION 03.3 2 SQUARE 48  
 LONG 07 07 W HOURS 00.0 AREA 05 CLOUD TYP CL/TR WEATHER X1 ORIG E41 070 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P 4	TGT P	N02	N03	S133	PH
00.0	DBS	00000	18.66	36.44	26.23		1520.1							
	DBS	00010	18.65	36.44	26.23		1520.2							
	DBS	00020	18.60	36.45	26.25		1520.3							
	DBS	00030	18.50	36.46	26.28		1520.2							
	DBS	00050	18.05	36.42	26.36		1515.2							
	DBS	00075	17.48	36.42	26.40		1517.9							
	DBS	00100	17.32	36.42	26.45		1517.9							
	DBS	00125	17.16	36.41	26.47		1517.8							
	DBS	00150	17.04	36.40	26.48		1517.8							
	DBS	00200	16.96	36.40	26.48		1514.4							
	DBS	00250	16.92	36.41	26.49		1515.1							
	DBS	00300	16.87	36.39	26.48		1514.6							
	DBS	00400	16.19	36.45	26.62		1514.2							
	DBS	00500	15.05	36.03	26.77		1517.0							
	DBS	00600	13.61	35.77	26.88		1512.7							
	DBS	00700	11.53	35.47	27.06		1507.9							
	DBS	00800	9.24	35.24	27.19		1501.1							
	DBS	00900	08.02	35.25	27.49		1495.0							
	DBS	00900	08.02	35.24	27.49		1495.1							
	DBS	00970	07.34	35.21	27.56		1494.6							
	DBS	01000	07.26	35.22	27.58		1494.9							
	DBS	01100	06.05	35.05	27.64		1493.6							
	DBS	01120	05.90	35.08	27.65		1493.3							
	DBS	01200	05.51	35.09	27.71		1493.1							
	DBS	01300	05.11	35.07	27.74		1493.1							
	DBS	01400	04.75	35.04	27.76		1493.2							
	DBS	01430	04.60	35.03	27.77		1493.1							
	DBS	01500	04.50	35.01	27.77		1493.9							

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REFID 31 1173 YEAF 1970 BGTDP 04938 AIR TEMP 17.2 DIP HGT PFF WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0071 MONTH 05 SHIP EN MET RULF 15.6 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 21 DATA USE 1 BAROMETR 1015.4 SEA WIND-FRP DURATION 03.3 2 SQUARE 48  
 LONG 04 13 W HOURS 06.4 AREA 05 CLOUD TYP CL/TR WEATHER X2 ORIG E41 071 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P 4	TGT P	N02	N03	S133	PH
06.4	DBS	00000	19.46	36.55	26.10		1522.5							
	DBS	00010	19.46	36.55	26.10		1522.6							
	DBS	00020	19.45	36.55	26.11		1522.8							
	DBS	00030	19.44	36.55	26.11		1522.9							
	DBS	00040	18.42	36.33	26.10		1519.9							
	DBS	00050	17.99	36.44	26.15		1519.0							
	DBS	00075	17.76	36.46	26.47		1518.8							
	DBS	00100	17.60	36.45	26.48		1518.7							
	DBS	00125	17.46	36.44	26.52		1518.7							
	DBS	00150	17.32	36.43	26.55		1518.7							
	DBS	00200	17.13	36.42	26.55		1518.9							
	DBS	00250	17.07	36.42	26.60		1519.6							
	DBS	00300	16.98	36.40	26.61		1520.1							
	DBS	00340	16.84	36.36	26.61		1520.3							
	DBS	00400	16.24	36.23	26.65		1519.3							
	DBS	00500	15.03	35.98	26.74		1516.9							
	DBS	00600	13.49	35.75	26.85		1513.3							
	DBS	00700	11.45	35.46	27.07		1507.6							
	DBS	00800	09.88	35.31	27.23		1503.5							
	DBS	00900	08.47	35.23	27.40		1495.8							
	DBS	01000	06.59	35.04	27.53		1494.0							
	DBS	01060	05.95	34.06	27.63		1492.8							
	DBS	01100	05.68	35.12	27.67		1493.3							
	DBS	01200	05.45	35.10	27.72		1492.8							
	DBS	01300	05.13	35.07	27.74		1493.2							
	DBS	01325	05.11	35.06	27.73		1493.5							
	DBS	01400	04.74	35.05	27.77		1493.2							
	DBS	01500	04.50	35.04	27.75		1493.9							

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TABLE XX.—Continued

REFID 31 8173 YEAP 1970 BOTOP 04114 AIR TEMP 19.1 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0072 MONTH 05 SHIP EN WET BULB 15.4 04 3 4 WIND-SPO 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 21 DATA USE 1 BAROMETR 1015.0 SEA WIND-FCR DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 12.0 AREA 05 CLOUD 1/4 CL/TR WEATHER XI ORIG E41 072 1 SQUARE 59

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TGT P	N02	N03	SIG3	PH
12.0	OBS	00000	18.47	36.41	26.25		1519.5							
	OBS	00010	18.47	36.41	26.25		1519.7							
	OBS	00020	18.47	36.41	26.25		1519.9							
	OBS	00030	18.46	36.41	26.25		1520.0							
	OBS	00050	17.80	36.28	26.32		1518.3							
	OBS	00075	17.07	36.30	26.31		1518.3							
	OBS	00100	16.81	36.31	26.31		1516.2							
	OBS	00125	16.70	36.32	26.32		1516.3							
	OBS	00150	16.65	36.33	26.34		1516.6							
	OBS	00200	16.60	36.33	26.35		1517.2							
	OBS	00250	16.58	36.34	26.36		1518.0							
	OBS	00300	16.51	36.33	26.37		1518.6							
	OBS	00400	16.22	36.28	26.70		1519.3							
	OBS	00430	15.85	36.19	26.72		1513.5							
	OBS	00500	15.29	36.10	26.77		1517.9							
	OBS	00510	15.26	36.10	26.78		1517.9							
	OBS	00520	14.65	35.94	26.79		1516.0							
	OBS	00600	13.69	35.82	26.90		1514.0							
	OBS	00700	11.45	35.46	27.07		1507.6							
	OBS	00800	09.72	35.29	27.25		1502.9							
	OBS	00900	08.37	35.25	27.43		1499.5							
	OBS	01000	07.51	35.24	27.56		1497.8							
	OBS	01045	07.10	35.22	27.60		1497.0							
	OBS	01100	06.84	35.23	27.64		1496.9							
	OBS	01200	05.32	35.06	27.71		1492.3							
	OBS	01255	05.36	35.06	27.70		1493.3							
	OBS	01280	05.14	35.05	27.72		1492.8							
	OBS	01300	05.14	35.07	27.74		1493.2							
	OBS	01310	05.14	35.07	27.74		1493.4							
	OBS	01400	04.86	35.05	27.75		1493.7							
	OBS	01500	04.62	35.05	27.78		1494.4							

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REFID 31 8172 YEAP 1970 BOTOP 03109 AIR TEMP 18.8 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0073 MONTH 05 SHIP EN WET BULB 15.1 00 0 3 WIND-SPO 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 21 DATA USE 1 BAROMETR 1015.0 SEA WIND-FCR DURATION 00.7 2 SQUARE 48  
 LONG 048 05 W HOUR 17.9 AREA 05 CLOUD 1/4 CL/TR WEATHER XI ORIG E41 073 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TGT P	N02	N03	SIG3	PH
17.9	OBS	00000	18.42	36.42	26.27		1519.5							
	OBS	00010	18.35	36.43	26.30		1519.4							
	OBS	00020	18.23	36.43	26.31		1519.2							
	OBS	00030	18.16	36.42	26.34		1519.1							
	OBS	00050	17.61	36.41	26.47		1517.9							
	OBS	00075	17.27	36.44	26.57		1517.3							
	OBS	00100	17.16	36.44	26.60		1517.4							
	OBS	00125	17.15	36.43	26.63		1517.8							
	OBS	00150	17.13	36.43	26.60		1518.1							
	OBS	00200	17.10	36.44	26.61		1518.9							
	OBS	00250	17.05	36.44	26.64		1514.5							
	OBS	00300	16.83	36.39	26.64		1519.6							
	OBS	00400	16.46	36.31	26.66		1520.1							
	OBS	00500	15.55	36.13	26.74		1519.7							
	OBS	00600	13.75	35.81	26.86		1514.2							
	OBS	00700	11.42	35.46	27.07		1507.5							
	OBS	00800	09.69	35.29	27.25		1502.8							
	OBS	00840	09.05	35.25	27.33		1501.0							
	OBS	00900	08.37	35.25	27.43		1499.5							
	OBS	00980	07.51	35.22	27.54		1497.5							
	OBS	01000	07.54	35.25	27.58		1498.0							
	OBS	01100	06.00	35.04	27.61		1493.3							
	OBS	01130	05.85	35.07	27.65		1493.2							
	OBS	01200	05.73	35.11	27.66		1494.0							
	OBS	01300	05.24	35.06	27.72		1493.6							
	OBS	01400	04.94	35.06	27.75		1494.1							
	OBS	01500	04.65	35.04	27.77		1494.5							
	OBS	01750	04.25	35.01	27.74		1497.0							
	OBS	02000	03.92	35.00	27.82		1495.6							
	OBS	02180	03.83	34.99	27.82		1502.5							
	OBS	02260	03.74	34.99	27.83		1503.5							
	OBS	02350	03.48	34.98	27.84		1504.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 02286 AIR TEMP 19.1 DIR HGT PFF WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0074 MONTH 05 SHIP EN WET BULB 15.5 JO 0 X WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 13 N DAY 22 DATA USE 1 BAROMETP 1016.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 07 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG F41 074 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NU2	NO3	SIG3	PH
00.0	08S	00000	19.41	36.49	26.07		1522.3							
	08S	00010	19.18	36.49	26.13		1521.8							
	08S	00020	19.15	36.50	26.15		1521.9							
	08S	00030	19.06	36.49	26.18		1521.8							
	08S	00050	18.92	36.47	26.18		1521.7							
	08S	00075	17.83	36.43	26.42		1518.9							
	08S	00100	17.61	36.44	26.49		1518.7							
	08S	00125	17.52	36.44	26.51		1518.9							
	08S	00150	17.30	36.43	26.56		1518.6							
	08S	00200	17.15	36.43	26.65		1519.0							
	08S	00250	17.05	36.41	26.60		1519.5							
	08S	00300	16.93	36.39	26.61		1519.9							
	08S	00400	16.31	36.27	26.67		1519.6							
	08S	00500	15.08	36.02	26.78		1517.1							
	08S	00600	13.81	35.82	26.88		1514.4							
	08S	00700	11.93	35.53	27.03		1509.4							
	08S	00800	09.91	35.27	27.23		1503.6							
	08S	00830	09.08	35.23	27.30		1501.0							
	08S	00900	08.19	35.07	27.32		1498.6							
	08S	00920	07.51	35.11	27.45		1496.3							
	08S	01000	06.18	35.05	27.59		1492.4							
	08S	01055	05.84	35.04	27.63		1491.9							
	08S	01100	05.91	35.10	27.63		1493.0							
	08S	01140	05.63	35.10	27.70		1492.6							
	08S	01200	05.51	35.11	27.72		1493.1							
	08S	01300	05.15	35.07	27.74		1493.3							
	08S	01400	04.92	35.07	27.76		1494.0							
	08S	01500	04.05	35.04	27.83		1492.0							

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REFID 31 8173 YEAR 1970 BOTOP 04206 AIR TEMP 17.9 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0075 MONTH 05 SHIP EN WET BULB 15.3 JO 0 X WIND-SPO 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 22 DATA USE 1 BAROMETP 1016.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 18 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG F41 075 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NU2	NO3	SIG3	PH
06.1	08S	00000	19.45	36.51	26.08		1522.4							
	08S	00010	19.44	36.53	26.09		1522.6							
	08S	00020	19.39	36.54	26.11		1522.6							
	08S	00030	18.53	36.37	26.21		1520.1							
	08S	00050	17.93	36.46	26.42		1518.9							
	08S	00075	17.68	36.45	26.48		1518.5							
	08S	00100	17.52	36.45	26.52		1518.5							
	08S	00125	17.36	36.43	26.54		1518.4							
	08S	00150	17.23	36.42	26.57		1518.4							
	08S	00200	17.07	36.41	26.60		1518.7							
	08S	00250	17.00	36.41	26.61		1519.4							
	08S	00300	16.82	36.35	26.61		1519.6							
	08S	00350	16.44	36.27	26.64		1519.1							
	08S	00400	15.78	36.15	26.70		1517.8							
	08S	00500	14.63	35.95	26.80		1515.6							
	08S	00600	13.12	35.68	26.91		1512.0							
	08S	00700	11.94	35.46	26.98		1509.3							
	08S	00800	10.02	35.33	27.23		1504.0							
	08S	00900	08.04	35.13	27.39		1498.1							
	08S	00965	06.63	35.03	27.51		1493.5							
	08S	01000	06.47	35.06	27.56		1493.5							
	08S	01060	05.88	35.03	27.61		1492.1							
	08S	01100	05.89	35.09	27.66		1492.9							
	08S	01140	05.93	35.11	27.67		1493.8							
	08S	01200	05.56	35.10	27.71		1493.3							
	08S	01300	05.14	35.07	27.74		1493.2							
	08S	01330	05.12	35.07	27.74		1493.6							
	08S	01400	04.69	35.03	27.76		1493.0							
	08S	01500	04.44	35.01	27.77		1493.6							

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TABLE XX.—Continued

REFID 31 P173 YEAR 1970 BOTOP 02743 AIR TEMP 20.1 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0076 MONTH 05 SHIP EN WET SULF 16.4 DIR HGT PER WIND-SPO 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 22 DATA USE 1 BAROMETER 1016.6 SEA WIND-FOR DURATION 07.4 2 SQUARE 48  
 LONG 048 03 W HOUR 12.4 AREA 05 CLOUD T/4 CL/TR WPTHER 11 ORIG E41 C76 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	CHYG	P14	TOT P	NO2	NO3	SI03	PH
12.4	DBS	00000	19.21	36.46	26.10		1521.7							
	DBS	00010	18.93	36.47	26.10		1521.1							
	DBS	00020	18.90	36.47	26.11		1521.1							
	DBS	00030	18.57	36.41	26.12		1520.3							
	DBS	00050	18.23	36.44	26.13		1519.7							
	DBS	00075	17.55	36.42	26.14		1518.1							
	DBS	00100	17.33	36.42	26.14		1517.5							
	DBS	00125	17.21	36.44	26.14		1518.0							
	DBS	00150	17.15	36.44	26.14		1518.2							
	DBS	00200	17.10	36.44	26.11		1518.9							
	DBS	00250	16.99	36.43	26.13		1519.3							
	DBS	00300	16.66	36.34	26.04		1519.1							
	DBS	00305	16.59	36.34	26.06		1519.9							
	DBS	00400	16.34	36.30	26.04		1519.7							
	DBS	00500	15.22	36.04	26.74		1517.6							
	DBS	00600	13.76	35.83	26.70		1514.3							
	DBS	00640	13.33	35.75	26.92		1513.4							
	DBS	00700	11.52	35.46	27.06		1507.9							
	DBS	00800	09.87	35.30	27.73		1503.5							
	DBS	00830	09.15	35.24	27.30		1501.2							
	DBS	00900	08.30	35.22	27.42		1499.2							
	DBS	00935	07.77	35.19	27.48		1497.7							
	DBS	01000	07.23	35.16	27.53		1496.6							
	DBS	01090	05.73	35.04	27.64		1492.0							
	DBS	01100	05.73	35.04	27.64		1492.2							
	DBS	01140	05.79	35.11	27.69		1493.2							
	DBS	01200	05.48	35.10	27.72		1493.0							
	DBS	01300	05.11	35.09	27.75		1493.1							
	DBS	01400	04.76	35.05	27.76		1493.3							
	DBS	01500	04.56	35.03	27.77		1494.1							

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REFID 31 P173 YEAR 1970 BOTOP 03017 AIR TEMP 18.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0077 MONTH 05 SHIP EN WET SULF 15.7 DIR HGT PER WIND-SPO 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 22 DATA USE 1 BAROMETER 1016.3 SEA WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 05 W HOUR 16.3 AREA 05 CLOUD T/4 CL/TR WEATHER 11 ORIG E41 077 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	CHYG	P14	TOT P	NO2	NO3	SI03	PH
16.3	DBS	00000	18.69	36.40	26.15		1520.1							
	DBS	00010	18.25	36.41	26.31		1519.1							
	DBS	00020	18.25	36.42	26.31		1519.2							
	DBS	00030	18.21	36.42	26.32		1519.3							
	DBS	00050	17.89	36.40	26.35		1518.7							
	DBS	00075	17.16	36.43	26.59		1517.0							
	DBS	00100	17.14	36.43	26.59		1517.3							
	DBS	00125	17.14	36.43	26.59		1517.7							
	DBS	00150	17.10	36.43	26.60		1518.0							
	DBS	00200	17.03	36.41	26.61		1518.6							
	DBS	00250	16.91	36.39	26.62		1519.1							
	DBS	00300	16.75	36.37	26.64		1519.4							
	DBS	00400	16.05	36.23	26.70		1518.7							
	DBS	00500	15.12	36.04	26.76		1517.3							
	DBS	00600	13.51	35.74	26.88		1513.3							
	DBS	00700	11.51	35.45	27.05		1507.8							
	DBS	00800	09.63	35.28	27.25		1502.5							
	DBS	00900	08.28	35.22	27.42		1499.1							
	DBS	01000	07.45	35.24	27.56		1497.6							
	DBS	01060	06.98	35.21	27.61		1496.7							
	DBS	01100	06.89	35.22	27.63		1497.1							
	DBS	01200	05.45	35.07	27.70		1492.8							
	DBS	01300	05.15	35.08	27.74		1493.3							
	DBS	01400	04.89	35.06	27.76		1493.8							
	DBS	01500	04.51	35.02	27.77		1493.9							
	DBS	01600	04.37	35.00	27.77		1495.0							
	DBS	01750	04.12	35.00	27.79		1496.5							
	DBS	02000	03.86	34.99	27.81		1499.6							
	DBS	02500	03.43	34.97	27.84		1506.3							
	DBS	02850	03.09	34.96	27.87		1510.9							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 03931 AIR TEMP 18.6 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 3078 MONTH 05 SHIP EN MET BUOY 16.5 11 0 5 WIND-SPD 13 TRACE DIR 0 DURATION 00.3 5 SQUARE 4  
 LAT 35 03 N DAY 23 DATA USE 1 MARGIN 10.7.8 SEA WIND-FR 00.3 2 SQUARE 4.8  
 LONG 048 09 W HOUR 00.0 AREA 05 CLOUD TZA CLZTR WEATHER 11 CRIG E41 078 1 SQUARE 5.8

CASNUM/TIME	EVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P 4	TCT P	NO2	NO3	SI03	PH
00.0	MS	0000	18.57	36.44	26.15		1512.8							
	MS	0010	18.41	36.40	26.12		1512.5							
	MS	0020	18.20	36.40	26.11		1512.1							
	MS	0030	18.17	36.41	26.13		1512.7							
	MS	0040	17.88	36.43	26.11		1512.7							
	MS	0050	17.53	36.42	26.09		1512.1							
	MS	0100	17.30	36.41	26.08		1512.8							
	MS	0125	17.09	36.40	26.08		1512.6							
	MS	0150	17.08	36.41	26.07		1512.0							
	MS	0200	16.92	36.38	26.04		1512.3							
	MS	0250	16.82	36.38	26.04		1512.8							
	MS	0300	16.59	36.39	26.02		1512.9							
	MS	0340	16.39	36.31	25.98		1512.5							
	MS	0400	16.21	36.26	25.98		1512.3							
	MS	0500	15.01	36.02	25.77		1512.9							
	MS	0600	13.47	35.76	25.70		1513.2							
	MS	0700	11.41	35.44	27.14		1507.8							
	MS	0800	09.75	35.28	27.15		1502.0							
	MS	0840	08.47	35.21	27.12		1502.3							
	MS	0900	08.21	35.19	27.11		1498.8							
	MS	0930	07.77	35.18	27.12		1497.6							
	MS	0940	07.65	35.21	27.11		1497.7							
	MS	1000	06.92	35.09	27.12		1495.1							
	MS	1100	05.85	35.04	27.06		1492.7							
	MS	1140	5.72	35.09	27.08		1493.2							
	MS	1200	05.61	35.09	27.10		1493.1							
	MS	1300	05.13	35.06	27.12		1493.2							
	MS	1400	04.74	35.04	27.16		1493.2							
	MS	1500	04.49	35.02	27.17		1493.4							

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REFID 31 8173 YEAR 1970 BOTDP 03475 AIR TEMP 19.2 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 3079 MONTH 05 SHIP EN MET BUOY 17.7 09 1 3 WIND-SPD 13 TRACE DIR 0 DURATION 00.3 5 SQUARE 4  
 LAT 35 01 N DAY 23 DATA USE 1 MARGIN 10.7.8 SEA WIND-FR 01.3 2 SQUARE 4.8  
 LONG 048 07 W HOUR 06.1 AREA 05 CLOUD TZA CLZTR WEATHER 11 CRIG E41 079 1 SQUARE 5.8

CASNUM/TIME	EVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P 4	TCT P	NO2	NO3	SI03	PH
06.1	MS	0000	18.59	36.38	26.10		1512.8							
	MS	0010	18.50	36.38	26.12		1512.7							
	MS	0020	18.34	36.38	26.11		1512.5							
	MS	0030	17.98	36.35	26.13		1512.5							
	MS	0040	17.24	36.41	26.07		1512.6							
	MS	0050	16.96	36.32	26.05		1512.0							
	MS	0075	16.97	36.34	26.07		1512.4							
	MS	0080	17.03	36.44	26.03		1512.7							
	MS	0100	17.03	36.44	26.02		1512.0							
	MS	0125	17.03	36.43	26.04		1512.4							
	MS	0150	17.01	36.43	26.04		1512.8							
	MS	0200	16.92	36.41	26.03		1512.3							
	MS	0240	16.64	36.35	26.02		1512.2							
	MS	0300	16.54	36.34	26.07		1512.7							
	MS	0350	16.47	36.32	26.07		1512.3							
	MS	0400	16.27	36.29	26.04		1512.5							
	MS	0430	16.21	36.27	26.09		1512.8							
	MS	0500	15.31	36.07	26.06		1512.9							
	MS	0540	14.10	35.77	26.06		1512.4							
	MS	0600	14.13	35.71	26.08		1512.3							
	MS	0600	13.40	35.48	26.07		1512.7							
	MS	0700	11.70	35.49	27.07		1502.5							
	MS	0700	9.46	35.04	27.15		1501.9							
	MS	0810	09.16	35.04	27.15		1502.4							
	MS	0840	08.52	35.01	27.16		1492.3							
	MS	0900	08.22	35.01	27.13		1492.5							
	MS	0910	08.13	35.01	27.14		1492.5							
	MS	0930	07.49	35.04	27.14		1492.6							
	MS	0940	07.41	35.02	27.01		1492.5							
	MS	1000	06.94	35.04	27.04		1492.2							
	MS	1100	06.74	35.02	27.06		1492.5							
	MS	1140	05.89	35.08	27.08		1492.6							
	MS	1200	05.40	35.06	27.08		1492.0							
	MS	1300	04.96	35.05	27.12		1492.9							
	MS	1400	04.27	35.08	27.17		1492.7							
	MS	1455	04.02	35.07	27.17		1492.6							
	MS	1455	04.95	35.07	27.14		1492.1							
	MS	1500	04.49	35.07	27.17		1492.3							

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TABLE XX.—Continued

REFID 31 2173 YEAR 1970 BOTOP 04755 AIR TEMP 21.5 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0080 MONTH 05 SHIP EN WET BULF 18.6 12 2 3 WIND-SPO 16 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 23 DATA USE 1 BAROMETR 1015.6 SEA WIND-FTR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 080 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
12.0	OBS	00000	18.79	36.47	26.22		1520.5							
	OBS	00010	18.72	36.44	26.21		1520.4							
	OBS	00020	18.49	36.44	26.27		1520.0							
	OBS	00030	18.27	36.40	26.25		1519.4							
	OBS	00050	17.77	36.41	26.42		1513.3							
	OBS	00075	17.20	36.41	26.51		1517.1							
	OBS	00100	17.16	36.43	26.55		1517.4							
	OBS	00125	17.14	36.44	26.60		1517.8							
	OBS	00150	17.11	36.44	26.61		1518.1							
	OBS	00200	17.09	36.44	26.61		1518.8							
	OBS	00250	17.02	36.43	26.62		1519.4							
	OBS	00300	16.88	36.40	26.63		1519.8							
	OBS	00330	16.59	36.36	26.67		1519.4							
	OBS	00400	16.53	36.35	26.66		1520.3							
	OBS	00415	16.41	36.35	26.71		1520.2							
	OBS	00500	15.20	36.09	26.79		1517.6							
	OBS	00520	14.81	35.67	26.78		1516.5							
	OBS	00580	14.23	35.91	26.86		1515.6							
	OBS	00600	13.91	35.83	26.86		1514.8							
	OBS	00700	11.39	35.46	27.01		1507.4							
	OBS	00800	09.46	35.27	27.27		1501.9							
	OBS	00900	08.39	35.25	27.43		1499.6							
	OBS	00920	08.04	35.24	27.48		1498.5							
	OBS	01000	07.41	35.24	27.57		1497.5							
	OBS	01100	06.78	35.23	27.65		1496.6							
	OBS	01105	06.77	35.23	27.65		1496.7							
	OBS	01130	06.40	35.19	27.67		1495.6							
	OBS	01175	06.27	35.21	27.70		1495.9							
	OBS	01200	05.59	35.10	27.70		1493.4							
	OBS	01235	05.08	35.04	27.72		1491.8							
	OBS	01250	05.16	35.02	27.74		1492.5							
	OBS	01300	05.09	35.07	27.74		1493.0							
	OBS	01322	05.07	35.07	27.74		1493.3							
	OBS	01330	04.88	35.04	27.74		1492.6							
	OBS	01400	04.82	35.05	27.75		1493.5							
	OBS	01500	04.53	35.04	27.76		1494.0							

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REFID 31 2173 YEAR 1970 BOTOP 03935 AIR TEMP 19.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0081 MONTH 05 SHIP EN WET BULF 17.8 11 2 2 WIND-SPO 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1015.9 SEA WIND-FTR DURATION 01.0 2 SQUARE 48  
 LONG 048 13 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 081 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
18.0	OBS	00000	19.48	36.51	26.07		1522.5							
	OBS	00010	18.99	36.35	26.07		1521.1							
	OBS	00020	18.11	36.42	26.35		1518.8							
	OBS	00030	18.10	36.42	26.35		1519.0							
	OBS	00050	17.73	36.44	26.46		1518.3							
	OBS	00075	17.52	36.43	26.50		1519.0							
	OBS	00100	17.29	36.41	26.54		1517.7							
	OBS	00125	17.19	36.41	26.57		1517.9							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00200	16.97	36.40	26.61		1518.4							
	OBS	00250	16.85	36.38	26.62		1518.9							
	OBS	00300	16.78	36.38	26.64		1519.5							
	OBS	00400	16.09	36.21	26.67		1513.8							
	OBS	00500	14.92	36.01	26.76		1516.6							
	OBS	00600	13.39	35.73	26.80		1512.9							
	OBS	00700	11.49	35.47	27.07		1507.8							
	OBS	00800	09.75	35.28	27.24		1503.0							
	OBS	00900	08.19	35.19	27.41		1498.7							
	OBS	01000	06.88	35.09	27.55		1494.4							
	OBS	01030	05.93	35.02	27.60		1491.8							
	OBS	01100	05.90	35.12	27.64		1493.0							
	OBS	01120	05.91	35.12	27.68		1493.4							
	OBS	01200	05.47	35.09	27.71		1492.9							
	OBS	01240	05.21	35.07	27.73		1492.5							
	OBS	01300	05.11	35.07	27.74		1493.1							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01500	04.49	35.03	27.78		1493.8							
	OBS	01750	04.09	35.00	27.80		1494.4							
	OBS	02000	03.87	34.99	27.81		1499.7							
	OBS	02500	03.42	34.96	27.83		1506.3							
	OBS	03000	02.98	34.96	27.88		1513.0							

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TABLE XX.—Continued

RFFID 31 8173 YEAR 1970 BCTOP 04114 AIR TEMP 19.6 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CUNSEC 0042 MONTH 05 SHIP EN WET BULF 19.6 OB 1 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 23 DATA USE 1 BAROMETR 1016.6 SEA WIND-FDF DURATION 00.4 2 SQUARE 4  
 LONG 049 17 W HOUF 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 082 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DPNPTH	SPD VEL	XYG	PT4	TOT P	NO2	NO3	S133	PH
24.4	DRS	00000	18.67	36.44	26.17		1520.7							
	DRS	00010	18.86	36.44	26.17		1520.8							
	DRS	00020	18.70	36.44	26.22		1520.9							
	DRS	00030	18.24	36.44	26.21		1519.4							
	DRS	00050	18.19	36.44	26.24		1519.6							
	DRS	00175	17.48	36.42	26.50		1517.9							
	DRS	00100	17.40	36.42	26.51		1518.1							
	DRS	00125	17.10	36.39	26.57		1517.6							
	DRS	00150	17.01	36.39	26.50		1517.7							
	DRS	00100	17.01	36.43	26.62		1518.6							
	DRS	00150	16.85	36.40	26.61		1518.9							
	DRS	00100	16.75	36.36	26.61		1519.4							
	DRS	00400	15.93	36.16	26.67		1519.3							
	DRS	00455	15.59	36.12	26.72		1519.1							
	DRS	00500	14.99	36.00	26.76		1519.8							
	DRS	00600	13.34	35.72	26.90		1512.7							
	DRS	00700	11.09	35.42	27.10		1506.3							
	DRS	00800	09.23	35.29	27.28		1501.2							
	DRS	00900	08.07	35.19	27.41		1498.3							
	DRS	01000	06.14	35.03	27.50		1495.1							
	DRS	01040	05.96	35.06	27.52		1495.2							
	DRS	01090	05.95	35.11	27.57		1495.0							
	DRS	01100	05.89	35.10	27.57		1495.9							
	DRS	01100	05.35	35.08	27.72		1492.4							
	DRS	01300	05.05	35.02	27.74		1492.8							
	DRS	01400	04.74	35.05	27.77		1493.2							
	DRS	01500	04.54	35.03	27.77		1494.0							

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RFFID 31 8173 YEAR 1970 BCTOP 04572 AIR TEMP 19.1 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CUNSEC 0043 MONTH 05 SHIP EN WET BULF 19.6 OB 1 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 24 DATA USE 1 BAROMETR 1014.6 SEA WIND-FDF DURATION 00.3 2 SQUARE 46  
 LONG 047 57 W HOUF 02.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 083 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DPNPTH	SPD VEL	XYG	PT4	TOT P	NO2	NO3	S133	PH
06.4	DRS	00000	18.87	36.47	26.20		1520.7							
	DRS	00010	18.80	36.45	26.20		1520.7							
	DRS	00020	18.56	36.42	26.24		1520.1							
	DRS	00030	18.11	36.41	26.34		1519.0							
	DRS	00050	17.59	36.42	26.49		1517.8							
	DRS	00075	17.25	36.39	26.54		1517.2							
	DRS	00100	17.15	36.43	26.59		1517.4							
	DRS	00125	17.15	36.43	26.59		1517.8							
	DRS	00150	17.15	36.44	26.60		1518.2							
	DRS	00200	17.13	36.44	26.60		1519.0							
	DRS	00250	17.05	36.44	26.62		1519.5							
	DRS	00300	16.81	36.39	26.64		1519.6							
	DRS	00400	16.15	36.24	26.68		1519.9							
	DRS	00500	14.85	35.96	26.76		1516.3							
	DRS	00600	13.41	35.74	26.90		1513.0							
	DRS	00700	11.60	35.40	27.06		1509.2							
	DRS	00800	09.62	35.29	27.25		1502.9							
	DRS	00900	08.15	35.24	27.46		1498.6							
	DRS	01000	07.41	35.24	27.57		1497.5							
	DRS	01100	06.74	35.23	27.66		1496.5							
	DRS	01200	05.73	35.15	27.73		1494.0							
	DRS	01250	05.21	35.08	27.73		1492.7							
	DRS	01300	05.01	35.06	27.74		1492.7							
	DRS	01315	04.91	35.04	27.74		1492.5							
	DRS	01400	04.77	35.06	27.77		1493.4							
	DRS	01500	04.48	35.04	27.79		1492.8							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 ROTOP 04572 314 TEMP 19.7 DIR HGT PER 41ND-DIR 03 INST STD RECORDER TFM SQ 1206  
 CONSEC 0084 MONTH 05 SHIP EN NET SULE 19.7 12 1 2 41ND-SPD 13 TRACE DIR 0 5 SQUARE 7  
 LAT 34 58 N DAY 24 DATA USE 1 AREA USE 05 34CMT 1 19.7 SEA 41ND-FT 0 JRATION 00.4 7 SQUARE 46  
 LONG 047 55 W HOUR 12.0 AREA 05 CLOUD T/1 CL/TP WEATHER 42 CRIG 141 084 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	S144-T	DYNOPHT	SPD VEL	XYG	P74	TOT P	NO2	NO3	S173	PH
12.0	OBS	0000	19.35	36.51	26.10		1522.1							
	OBS	0010	19.36	36.51	26.10		1522.4							
	OBS	0020	18.91	36.49	26.10		1521.2							
	OBS	0030	18.20	36.47	26.10		1519.3							
	OBS	0050	17.94	36.47	26.10		1518.9							
	OBS	0075	17.09	36.44	26.11		1516.8							
	OBS	0100	17.60	36.43	26.10		1516.7							
	OBS	00125	17.26	36.43	26.10		1518.1							
	OBS	00150	17.13	36.42	26.10		1518.1							
	OBS	00200	17.12	36.44	26.11		1518.9							
	OBS	00250	17.04	36.44	26.10		1518.5							
	OBS	00300	16.66	36.35	26.10		1519.1							
	OBS	00335	16.60	36.35	26.10		1519.5							
	OBS	00370	16.18	36.25	26.10		1518.7							
	OBS	00400	15.94	36.20	26.10		1518.4							
	OBS	00500	14.95	35.97	26.10		1516.6							
	OBS	00600	12.74	35.62	26.10		1510.6							
	OBS	00700	10.74	35.38	27.14		1505.0							
	OBS	00800	09.14	35.27	27.33		1500.7							
	OBS	00900	08.11	35.25	27.47		1498.5							
	OBS	01000	07.30	35.24	27.55		1497.0							
	OBS	01025	07.10	35.24	27.61		1496.7							
	OBS	01060	07.05	35.24	27.62		1497.0							
	OBS	01100	06.46	35.17	27.65		1495.3							
	OBS	01110	06.16	35.17	27.65		1494.3							
	OBS	01200	06.10	35.20	27.72		1495.6							
	OBS	01270	05.89	35.20	27.75		1495.9							
	OBS	01300	05.58	35.16	27.75		1495.1							
	OBS	01400	05.03	35.09	27.76		1494.5							
	OBS	01430	04.68	35.04	27.77		1493.5							
	OBS	01500	04.46	35.03	27.76		1493.7							

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REFID 31 8173 YEAR 1970 ROTOP 04572 314 TEMP 20.7 DIR HGT PER 41ND-DIR 12 INST STD RECORDER TFM SQ 1206  
 CONSEC 0065 MONTH 05 SHIP EN NET SULE 20.0 12 1 2 41ND-SPD 13 TRACE DIR 0 5 SQUARE 7  
 LAT 34 59 N DAY 24 DATA USE 1 AREA USE 05 34CMT 1 19.7 SEA 41ND-FT 0 JRATION 00.5 7 SQUARE 46  
 LONG 047 52 W HOUR 17.6 AREA 05 CLOUD T/1 CL/TP WEATHER 41 CRIG E41 085 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	S144-T	DYNOPHT	SPD VEL	XYG	P74	TOT P	NO2	NO3	S173	PH
17.6	OBS	0000	19.74	36.45	25.95		1525.1							
	OBS	0010	19.01	36.44	26.14		1521.3							
	OBS	0020	18.66	36.44	26.23		1520.4							
	OBS	0030	18.39	36.46	26.31		1519.3							
	OBS	0050	17.81	36.47	26.40		1519.5							
	OBS	0075	17.56	36.42	26.43		1519.1							
	OBS	00100	17.23	36.43	26.43		1519.5							
	OBS	00125	17.17	36.44	26.40		1517.6							
	OBS	00150	17.14	36.44	26.40		1518.2							
	OBS	00200	16.96	36.42	26.43		1518.4							
	OBS	00250	16.65	36.36	26.14		1518.2							
	OBS	00500	16.55	36.34	26.07		1518.7							
	OBS	00380	16.38	36.31	26.19		1518.5							
	OBS	00400	16.15	36.25	26.15		1519.1							
	OBS	00440	16.09	36.25	26.21		1519.5							
	OBS	00500	14.66	36.00	26.29		1516.4							
	OBS	00600	13.25	35.71	26.41		1512.4							
	OBS	00700	11.01	35.40	27.10		1506.0							
	OBS	00800	09.10	35.25	27.32		1500.6							
	OBS	00900	08.01	35.23	27.47		1498.1							
	OBS	01000	07.23	35.23	27.54		1496.7							
	OBS	01050	6.47	35.22	27.62		1496.5							
	OBS	01100	05.96	35.09	27.65		1493.2							
	OBS	01140	05.61	35.04	27.67		1492.4							
	OBS	01200	05.43	35.08	27.71		1492.7							
	OBS	01240	05.17	35.04	27.72		1492.3							
	OBS	01300	05.05	35.06	27.74		1492.3							
	OBS	01400	04.69	35.04	27.76		1493.0							
	OBS	01500	04.50	35.02	27.77		1493.9							
	OBS	01750	04.02	34.94	27.79		1493.0							
	OBS	02000	03.82	34.94	27.81		1499.4							
	OBS	02500	03.39	34.95	27.83		1506.1							
	OBS	03000	02.84	34.94	27.86		1512.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04389 AIR TEMP 21.2 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0087 MONTH 05 SHIP EN WET BULB 20.3 12 1 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1015.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 51 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E41 08L 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.0	URS	00000	19.75	35.50	25.23		1522.0							
	OBS	00010	19.65	36.53	26.04		1523.1							
	OBS	00020	19.00	36.52	26.70		1521.5							
	OBS	00030	18.20	36.48	26.97		1519.3							
	OBS	00050	17.77	36.44	26.45		1518.4							
	OBS	00075	17.45	36.43	26.52		1517.8							
	OBS	00100	17.14	36.40	26.57		1517.3							
	OBS	00125	17.11	36.42	26.55		1517.6							
	OBS	00150	17.07	36.42	26.60		1517.9							
	OBS	00170	17.06	36.43	26.61		1518.2							
	OBS	00200	16.79	36.39	26.65		1517.9							
	OBS	00250	16.58	36.36	26.67		1518.0							
	OBS	00300	16.28	36.30	26.70		1517.9							
	OBS	00390	15.90	36.23	26.73		1517.9							
	OBS	00400	15.66	36.16	26.73		1517.4							
	OBS	00500	14.10	35.87	26.86		1513.8							
	OBS	00530	14.03	35.87	26.67		1514.0							
	OBS	00600	12.63	35.62	26.97		1510.2							
	OBS	00620	12.25	35.56	26.99		1509.2							
	OBS	00650	12.23	35.54	27.02		1509.7							
	OBS	00700	10.88	35.40	27.13		1505.6							
	OBS	00800	09.03	35.26	27.34		1500.3							
	OBS	00900	07.89	35.22	27.48		1497.6							
	OBS	00930	07.60	35.17	27.49		1496.9							
	OBS	00975	07.43	35.19	27.53		1497.0							
	OBS	01000	06.82	35.15	27.58		1495.0							
	OBS	01050	05.82	35.04	27.63		1491.7							
	OBS	01085	05.64	35.06	27.67		1491.6							
	OBS	01100	05.66	35.06	27.66		1492.0							
	OBS	01160	05.65	35.10	27.70		1493.0							
	OBS	01200	05.45	35.10	27.72		1492.8							
	OBS	01300	05.02	35.07	27.75		1492.7							
	OBS	01400	04.73	35.06	27.78		1493.2							
	OBS	01440	04.51	35.03	27.78		1492.9							
	OBS	01500	04.43	35.03	27.76		1493.6							

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REFID 31 8173 YEAR 1970 BOTOP 04389 AIR TEMP 19.7 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0087 MONTH 05 SHIP EN WET BULB 18.5 12 1 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 25 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E41 087 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
06.1	OBS	00000	19.63	36.53	26.04		1522.9							
	OBS	00010	19.63	36.53	26.04		1523.1							
	OBS	00020	18.48	36.37	25.22		1519.8							
	OBS	00030	18.05	36.41	26.36		1518.8							
	OBS	00050	17.80	36.44	26.44		1518.5							
	OBS	00075	17.39	36.40	26.51		1517.6							
	OBS	00080	17.26	36.39	26.54		1517.3							
	OBS	00100	17.12	36.43	26.60		1517.3							
	OBS	00125	17.07	36.43	26.61		1517.5							
	OBS	00150	16.93	36.40	26.62		1517.5							
	OBS	00200	16.70	36.37	26.65		1517.6							
	OBS	00250	16.58	36.36	26.67		1518.0							
	OBS	00300	16.33	36.30	26.69		1518.0							
	OBS	00345	15.76	36.20	26.74		1516.9							
	OBS	00380	15.62	36.17	26.75		1517.0							
	OBS	00400	15.60	36.17	26.76		1517.3							
	OBS	00435	15.54	36.16	26.76		1517.6							
	OBS	00500	14.07	35.86	26.85		1513.7							
	OBS	00570	13.34	35.76	26.93		1512.3							
	OBS	00600	12.69	35.64	26.97		1510.5							
	OBS	00700	10.96	35.42	27.13		1505.9							
	OBS	00800	09.12	35.28	27.34		1500.7							
	OBS	00860	08.62	35.26	27.40		1499.8							
	OBS	00900	08.11	35.23	27.46		1498.5							
	OBS	00935	07.54	35.23	27.54		1496.9							
	OBS	01000	07.03	35.21	27.60		1495.9							
	OBS	01100	05.72	35.07	27.66		1492.2							
	OBS	01120	05.45	35.05	27.68		1491.4							
	OBS	01200	05.29	35.07	27.72		1492.1							
	OBS	01220	05.29	35.07	27.72		1492.5							
	OBS	01255	04.94	35.05	27.74		1491.6							
	OBS	01300	04.90	35.05	27.75		1492.2							
	OBS	01400	04.60	35.04	27.77		1492.6							
	OBS	01500	04.33	35.01	27.78		1493.1							

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TABLE XX.—Continued

REF ID 31 8173 YEAR 1970 BOTOP 04574 AIR TEMP 20.3 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206  
 CONSEC 0088 MONTH 02 SHIP EN WET BULB 18.4 00 0 X WIND-SPG 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 25 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E41 088 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	19.72	36.54	26.03		1523.2							
	08S	00010	19.70	36.54	26.03		1523.3							
	08S	00018	19.59	36.54	26.06		1523.1							
	08S	00020	18.49	36.30	26.16		1519.8							
	08S	00030	18.02	36.46	26.40		1518.8							
	08S	00050	17.80	36.46	26.46		1518.5							
	08S	00075	17.53	36.45	26.52		1518.1							
	08S	00100	17.18	36.39	26.55		1517.4							
	08S	00125	17.07	36.40	26.59		1517.5							
	08S	00150	17.03	36.40	26.60		1517.8							
	08S	00200	16.90	36.39	26.62		1518.2							
	08S	00250	16.66	36.33	26.63		1518.2							
	08S	00300	16.25	36.26	26.68		1517.7							
	08S	00370	15.45	36.07	26.71		1516.2							
	08S	00390	15.40	36.15	26.77		1516.6							
	08S	00400	15.38	36.13	26.78		1516.5							
	08S	00408	15.12	36.04	26.76		1515.7							
	08S	00490	14.23	35.91	26.84		1514.1							
	08S	00500	14.22	35.91	26.86		1514.2							
	08S	00540	13.74	35.78	26.86		1513.2							
	08S	00580	12.65	35.63	26.97		1510.0							
	08S	00600	12.43	35.61	27.00		1509.6							
	08S	00700	10.69	35.39	27.15		1504.9							
	08S	00750	09.42	35.27	27.28		1500.9							
	08S	00800	09.00	35.27	27.35		1500.2							
	08S	00900	07.89	35.24	27.50		1497.6							
	08S	01000	07.19	35.24	27.60		1496.6							
	08S	01055	06.91	35.23	27.63		1496.4							
	08S	01070	06.91	35.23	27.63		1496.7							
	08S	01100	06.64	35.20	27.65		1496.1							
	08S	01200	05.19	35.04	27.71		1491.7							
	08S	01270	05.18	35.07	27.73		1492.9							
	08S	01300	05.03	35.06	27.74		1492.7							
	08S	01400	04.70	35.04	27.76		1493.0							
	08S	01500	04.42	35.02	27.78		1493.5							

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REF ID 31 8173 YEAR 1970 BOTOP 04934 AIR TEMP 20.5 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206  
 CONSEC 0089 MONTH 05 SHIP EN WET BULB 18.6 35 1 2 WIND-SPG 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 25 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 02 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 089 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.9	08S	00000	19.45	36.37	25.97		1522.2							
	08S	00010	18.90	36.37	26.11		1520.9							
	08S	00020	17.93	36.42	26.39		1518.3							
	08S	00030	17.84	36.42	26.42		1518.2							
	08S	00050	17.56	36.42	26.48		1517.7							
	08S	00075	17.40	36.41	26.52		1517.7							
	08S	00100	17.22	36.41	26.56		1517.5							
	08S	00125	17.07	36.43	26.61		1517.5							
	08S	00150	17.05	36.42	26.61		1517.9							
	08S	00200	16.93	36.41	26.63		1518.3							
	08S	00250	16.85	36.39	26.63		1518.9							
	08S	00300	16.66	36.35	26.65		1519.1							
	08S	00400	15.89	36.18	26.70		1518.2							
	08S	00500	14.58	35.96	26.82		1515.4							
	08S	00540	13.48	35.70	26.85		1512.2							
	08S	00600	12.80	35.67	26.97		1510.9							
	08S	00700	10.61	35.35	27.14		1504.5							
	08S	00800	09.09	35.24	27.31		1500.5							
	08S	00840	08.50	35.23	27.40		1498.9							
	08S	00900	08.08	35.24	27.47		1498.4							
	08S	01000	07.24	35.23	27.59		1496.8							
	08S	01100	06.37	35.18	27.67		1495.0							
	08S	01140	06.11	35.19	27.71		1494.6							
	08S	01200	05.89	35.18	27.73		1494.7							
	08S	01240	05.89	35.18	27.73		1495.4							
	08S	01300	05.54	35.16	27.76		1495.0							
	08S	01400	05.10	35.12	27.78		1494.8							
	08S	01440	04.77	35.07	27.78		1494.0							
	08S	01500	04.82	35.08	27.78		1495.3							
	08S	01530	04.58	35.05	27.78		1494.7							
	08S	01620	04.42	35.04	27.79		1495.6							
	08S	01650	04.44	35.07	27.82		1496.2							
	08S	01690	04.21	35.03	27.81		1495.9							
	08S	01750	04.07	35.01	27.81		1496.3							
	08S	02000	03.93	35.00	27.81		1499.9							
	08S	02040	03.77	34.98	27.82		1499.9							
	08S	02500	03.34	34.98	27.86		1505.9							
	08S	03000	02.88	34.94	27.87		1512.6							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 05121 AIR TEMP 19.3 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0090 MONTH 05 SHIP EN WET SULB 18.3 02 1 3 WIND-SPD 23 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 26 DATA USE 1 BAROMETR 1021.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER 17 BRIG 641 090 1 SQUARE 48

CAS/NUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DRYG	P74	TOT P	NO2	NO3	ST03	PH
00.0	08S	00000	19.19	36.43	26.08		1521.6							
	08S	00010	19.18	36.42	26.08		1521.7							
	08S	00020	18.26	36.42	26.11		1519.3							
	08S	00030	18.10	36.41	26.14		1519.0							
	08S	00040	17.40	36.41	26.17		1517.3							
	08S	00075	17.23	36.41	26.16		1517.2							
	08S	00100	17.14	36.42	26.19		1517.3							
	08S	00125	17.10	36.42	26.10		1517.6							
	08S	00150	17.09	36.42	26.10		1518.0							
	08S	00200	17.05	36.42	26.11		1518.7							
	08S	00250	16.98	36.42	26.13		1519.3							
	08S	00300	16.79	36.38	26.14		1519.5							
	08S	00390	16.44	36.31	26.17		1519.9							
	08S	00400	16.35	36.30	26.18		1519.7							
	08S	00440	15.75	36.16	26.71		1518.4							
	08S	00500	15.22	36.07	26.76		1517.6							
	08S	00580	13.58	35.76	26.88		1513.3							
	08S	00600	13.41	35.76	26.92		1513.0							
	08S	00680	11.54	35.49	27.08		1507.7							
	08S	00700	11.43	35.48	27.09		1507.6							
	08S	00730	10.98	35.44	27.14		1506.5							
	08S	00800	09.26	35.27	27.31		1501.2							
	08S	00850	08.40	35.22	27.39		1499.1							
	08S	00900	08.08	35.23	27.46		1498.3							
	08S	01000	07.30	35.23	27.58		1497.0							
	08S	01070	06.84	35.22	27.63		1496.4							
	08S	01100	06.17	35.18	27.69		1494.2							
	08S	01130	06.13	35.17	27.69		1494.5							
	08S	01200	05.83	35.16	27.72		1494.4							
	08S	01240	05.67	35.17	27.75		1494.7							
	08S	01300	04.99	35.07	27.75		1492.6							
	08S	01400	04.74	35.05	27.77		1493.2							
	08S	01400	04.46	35.03	27.78		1493.7							

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REFID 31 8173 YEAR 1970 BOTOP 04938 AIR TEMP 17.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0091 MONTH 05 SHIP EN WET SULB 15.6 03 2 4 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 26 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 04 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER 12 BRIG 641 091 1 SQUARE 48

CAS/NUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	DRYG	P74	TOT P	NO2	NO3	ST03	PH
06.1	08S	00000	18.86	36.37	26.12		1520.6							
	08S	00010	18.77	36.35	26.13		1520.5							
	08S	00020	17.96	36.35	26.13		1518.3							
	08S	00030	17.36	36.39	26.11		1516.8							
	08S	00050	17.20	36.42	26.17		1516.7							
	08S	00075	17.15	36.42	26.18		1516.9							
	08S	00100	17.13	36.42	26.19		1517.3							
	08S	00125	17.12	36.42	26.19		1517.7							
	08S	00150	17.08	36.42	26.10		1518.0							
	08S	00200	17.07	36.42	26.10		1518.1							
	08S	00250	17.04	36.42	26.11		1519.5							
	08S	00300	16.79	36.37	26.13		1519.5							
	08S	00390	16.42	36.30	26.17		1519.8							
	08S	00400	16.30	36.28	26.18		1519.6							
	08S	00500	14.57	35.97	26.13		1515.4							
	08S	00515	14.60	35.97	26.12		1515.8							
	08S	00600	13.54	35.79	26.91		1513.5							
	08S	00700	11.25	35.46	27.11		1506.9							
	08S	00800	09.19	35.26	27.31		1500.9							
	08S	00900	07.97	35.22	27.47		1497.9							
	08S	00940	07.54	35.21	27.53		1496.9							
	08S	00970	07.52	35.24	27.55		1497.4							
	08S	01000	07.24	35.23	27.49		1496.8							
	08S	01100	06.72	35.23	27.16		1496.4							
	08S	01145	06.45	35.23	27.70		1496.1							
	08S	01200	06.27	35.23	27.72		1496.3							
	08S	01242	05.74	35.14	27.74		1494.8							
	08S	01270	05.74	35.15	27.73		1495.2							
	08S	01300	05.27	35.08	27.73		1493.7							
	08S	01400	04.80	35.05	27.76		1493.5							
	08S	01500	04.42	35.04	27.78		1494.0							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 05029 AIR TEMP 17.6 DIP HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0092 MONTH 05 SHIP EN WET BULB 15.4 02 3 3 WIND-SPO 18 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 26 DATA USE 1 BAROMETP 1025.1 SEA WIND-FDR OURATION 00.4 2 SQUARE 48  
 LONG 048 10 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 092 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
12.1	OBS	00000	18.64	36.44	26.23		1520.0							
	OBS	00010	18.64	36.44	26.23		1520.2							
	OBS	00020	18.63	36.44	26.23		1520.3							
	OBS	00030	18.32	36.36	26.25		1519.5							
	OBS	00050	17.54	36.41	26.48		1517.7							
	OBS	00075	17.23	36.40	26.55		1517.2							
	OBS	00090	17.18	36.43	26.59		1517.3							
	OBS	00100	17.17	36.43	26.59		1517.4							
	OBS	00125	17.14	36.43	26.59		1517.7							
	OBS	00150	17.11	36.43	26.60		1518.1							
	OBS	00200	17.07	36.43	26.61		1518.8							
	OBS	00250	16.93	36.41	26.63		1519.1							
	OBS	00300	16.79	36.36	26.62		1519.5							
	OBS	00400	16.13	36.23	26.68		1519.0							
	OBS	00460	15.16	36.02	26.74		1516.7							
	OBS	00500	14.73	36.03	26.81		1516.5							
	OBS	00530	14.73	36.00	26.82		1516.5							
	OBS	00600	13.70	35.83	26.91		1514.1							
	OBS	00650	12.95	35.72	26.98		1512.3							
	OBS	00700	11.41	35.46	27.08		1507.5							
	OBS	00800	09.55	35.27	27.26		1502.2							
	OBS	00900	08.27	35.24	27.44		1499.1							
	OBS	00960	07.53	35.22	27.54		1497.2							
	OBS	01000	07.28	35.23	27.58		1496.9							
	OBS	01100	06.59	35.22	27.67		1495.9							
	OBS	01115	06.59	35.23	27.68		1496.1							
	OBS	01200	06.09	35.21	27.73		1495.6							
	OBS	01300	05.39	35.09	27.72		1494.2							
	OBS	01330	04.96	35.06	27.75		1493.0							
	OBS	01400	04.74	35.06	27.77		1493.2							
	OBS	01500	04.45	35.03	27.78		1493.7							

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REFID 31 8173 YEAR 1970 BOTOP 04938 AIR TEMP 17.4 DIP HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0093 MONTH 05 SHIP EN WET BULB 14.4 06 2 2 WIND-SPO 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 48 N DAY 26 DATA USE 1 BAROMETP 1026.1 SEA WIND-FDR OURATION 00.7 2 SQUARE 48  
 LONG 048 10 W HOUR 17.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 093 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
17.6	OBS	00000	18.96	36.44	26.15		1520.9							
	OBS	00010	18.76	36.40	26.17		1520.5							
	OBS	00020	17.88	36.42	26.41		1518.2							
	OBS	00030	17.66	36.43	26.47		1517.7							
	OBS	00050	17.45	36.43	26.52		1517.4							
	OBS	00075	17.18	36.40	26.56		1517.0							
	OBS	00100	17.13	36.43	26.60		1517.3							
	OBS	00125	17.10	36.43	26.60		1517.6							
	OBS	00150	17.08	36.43	26.61		1518.0							
	OBS	00200	16.96	36.41	26.62		1518.4							
	OBS	00250	16.76	36.36	26.63		1518.6							
	OBS	00300	16.57	36.34	26.66		1518.8							
	OBS	00325	16.54	36.34	26.67		1519.1							
	OBS	00400	15.65	36.16	26.74		1517.4							
	OBS	00500	14.21	35.85	26.82		1514.1							
	OBS	00600	12.15	35.54	27.00		1509.5							
	OBS	00700	10.93	35.32	27.06		1505.6							
	OBS	00800	09.16	35.22	27.29		1500.9							
	OBS	00900	07.81	35.21	27.46		1497.3							
	OBS	01000	07.17	35.22	27.59		1496.5							
	OBS	01040	06.83	35.21	27.63		1495.8							
	OBS	01100	06.58	35.20	27.65		1495.8							
	OBS	01200	05.35	35.05	27.69		1492.4							
	OBS	01230	05.30	35.07	27.72		1492.7							
	OBS	01300	04.99	35.06	27.75		1492.6							
	OBS	01350	04.77	35.03	27.75		1492.5							
	OBS	01400	04.71	35.03	27.75		1493.1							
	OBS	01500	04.36	35.00	27.77		1493.3							
	OBS	01520	04.32	35.00	27.77		1493.4							
	OBS	01600	04.32	35.01	27.78		1494.8							
	OBS	01750	04.03	35.00	27.80		1496.1							
	OBS	02000	03.81	34.98	27.91		1499.4							
	OBS	02500	03.41	35.00	27.87		1506.3							
	OBS	03000	02.90	34.95	27.88		1512.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04572 AIR TEMP 17.7 OIR HGT PER WIND-DIR 07 INST STD RECDPER TEN SQ 1206  
 CONSEC 0094 MONTH 05 SHIP EN MET AUCR 15.2 02 3 3 WIND-SPO 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 26 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 04 W HOUR 23.0 AREA 05 CLOUD TZA CLZTR WEATHER X1 DRIG E41 094 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SIO3	PH
23.0	0AS	00000	18.43	36.38	26.24		1519.4							
	0AS	00010	18.44	36.38	26.24		1519.6							
	0AS	00020	18.44	36.38	26.24		1519.7							
	0AS	00030	18.00	36.37	26.24		1518.6							
	0AS	00040	17.12	36.33	26.22		1516.3							
	0AS	00075	16.78	36.29	26.27		1515.7							
	0AS	00107	16.56	36.31	26.26		1515.5							
	0AS	00125	16.50	36.31	26.26		1515.7							
	0AS	00150	16.49	36.34	26.28		1516.1							
	0AS	00200	16.38	36.31	26.28		1516.5							
	0AS	00250	16.01	36.24	26.22		1516.2							
	0AS	00300	15.62	36.16	26.24		1515.7							
	0AS	00345	14.98	36.01	26.27		1514.2							
	0AS	00400	14.49	35.95	26.23		1513.5							
	0AS	00475	13.63	35.79	26.29		1511.7							
	0AS	00500	13.54	35.80	26.22		1511.9							
	0AS	00540	13.09	35.73	26.26		1510.9							
	0AS	00560	12.47	35.61	26.25		1509.0							
	0AS	00600	12.31	35.60	27.01		1509.1							
	0AS	00670	11.45	35.44	27.04		1507.2							
	0AS	00700	10.10	35.33	27.21		1502.7							
	0AS	00800	08.92	35.24	27.34		1499.9							
	0AS	00900	07.74	35.22	27.51		1497.0							
	0AS	00960	07.37	35.24	27.58		1496.6							
	0AS	01000	06.61	35.12	27.45		1494.2							
	0AS	01100	05.56	35.08	27.65		1491.6							
	0AS	01150	04.46	35.07	27.70		1492.0							
	0AS	01160	05.16	35.07	27.73		1491.3							
	0AS	01200	05.16	35.07	27.73		1491.6							
	0AS	01260	04.89	35.04	27.74		1491.5							
	0AS	01300	04.88	35.05	27.75		1492.1							
	0AS	01400	04.67	35.04	27.77		1492.9							
	0AS	01500	04.39	35.02	27.78		1493.4							

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REFID 31 8173 YEAR 1970 BOTOP 04938 AIR TEMP 18.6 OIR HGT PER WIND-DIR 07 INST STD RECDPER TEN SQ 1206  
 CONSEC 0095 MONTH 05 SHIP EN MET AUCR 16.6 07 3 3 WIND-SPO 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 047 54 W HOUR 06.1 AREA 05 CLOUD TZA CLZTR WEATHER X1 DRIG E41 095 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SIO3	PH
06.1	0AS	00000	18.51	36.39	26.23		1519.6							
	0AS	00010	18.51	36.39	26.23		1519.8							
	0AS	00020	18.51	36.39	26.23		1519.9							
	0AS	00030	18.49	36.38	26.22		1520.0							
	0AS	00050	16.87	36.26	26.53		1515.5							
	0AS	00075	16.57	36.29	26.62		1515.0							
	0AS	00100	16.48	36.33	26.48		1515.2							
	0AS	00125	16.32	36.28	26.47		1515.1							
	0AS	00150	16.12	36.25	26.70		1514.9							
	0AS	00200	15.76	36.18	26.73		1514.5							
	0AS	00250	15.44	36.13	26.76		1514.3							
	0AS	00300	15.07	36.04	26.78		1513.8							
	0AS	00400	13.85	35.85	26.89		1511.3							
	0AS	00450	13.60	35.81	26.91		1510.9							
	0AS	00500	12.56	35.66	27.01		1508.4							
	0AS	00540	11.62	35.48	27.05		1505.6							
	0AS	00600	11.20	35.44	27.10		1505.1							
	0AS	00700	09.84	35.35	27.27		1501.8							
	0AS	00720	09.63	35.30	27.27		1501.3							
	0AS	00760	07.79	35.38	27.39		1495.1							
	0AS	00800	07.51	35.06	27.41		1494.3							
	0AS	00815	07.25	35.04	27.44		1493.5							
	0AS	00840	07.35	35.14	27.50		1494.4							
	0AS	00850	07.11	35.09	27.44		1493.6							
	0AS	00880	07.20	35.20	27.57		1494.6							
	0AS	00900	06.92	35.16	27.58		1493.8							
	0AS	00978	06.43	35.16	27.44		1493.1							
	0AS	11300	06.42	35.18	27.66		1493.5							
	0AS	11320	06.35	35.23	27.71		1493.6							
	0AS	11050	06.05	35.17	27.70		1492.8							
	0AS	11100	05.93	35.17	27.72		1493.2							
	0AS	11200	05.56	35.18	27.77		1493.4							
	0AS	12135	05.53	35.17	27.77		1493.8							
	0AS	12180	05.12	35.11	27.77		1492.8							
	0AS	13100	05.03	35.11	27.78		1492.8							
	0AS	13140	04.71	35.04	27.74		1493.1							
	0AS	13155	04.44	35.05	27.80		1493.7							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 05029 AIR TEMP 19.6 DIP HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0096 MONTH 05 SHIP EN WET BULB 16.6 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 27 DATA USE 1 BAROMETR 1028.4 SEA CL/TR WIND-FRQ 00.4 2 SQUARE 46  
 LONG 047 53 W HOUR 12.1 AREA 05 CLOUD T/A WEATHER X1 WIND-DRG 096 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	S133	PH
12.1	OBS	00000	18.41	36.37	26.24		1519.3							
	OBS	00010	18.40	36.38	26.25		1515.5							
	OBS	00020	18.32	36.37	26.26		1519.4							
	OBS	00030	17.78	36.25	26.38		1518.0							
	OBS	00050	16.91	36.33	26.57		1515.7							
	OBS	00075	16.64	36.31	26.62		1515.3							
	OBS	00100	16.51	36.31	26.65		1515.3							
	OBS	00125	16.43	36.29	26.66		1515.4							
	OBS	00150	16.34	36.29	26.68		1515.6							
	OBS	00200	16.07	36.23	26.69		1515.5							
	OBS	00250	15.60	36.13	26.73		1514.8							
	OBS	00300	15.19	36.07	26.77		1514.2							
	OBS	00400	14.21	35.95	26.85		1512.5							
	OBS	00500	13.12	35.73	26.95		1510.4							
	OBS	00555	12.26	35.59	27.01		1508.2							
	OBS	00600	11.88	35.57	27.07		1507.6							
	OBS	00700	09.22	35.14	27.21		1499.2							
	OBS	00725	08.85	35.16	27.20		1498.3							
	OBS	00800	08.31	35.24	27.43		1497.6							
	OBS	00900	07.49	35.24	27.56		1496.1							
	OBS	00970	07.06	35.24	27.62		1495.6							
	OBS	01000	06.78	35.18	27.61		1494.9							
	OBS	01100	05.74	35.06	27.65		1492.3							
	OBS	01115	05.54	35.07	27.65		1491.7							
	OBS	01140	05.89	35.18	27.73		1493.7							
	OBS	01170	05.88	35.18	27.73		1494.2							
	OBS	01200	05.77	35.17	27.74		1494.2							
	OBS	01300	05.33	35.13	27.76		1494.1							
	OBS	01400	04.90	35.10	27.79		1493.9							
	OBS	01440	04.77	35.09	27.79		1494.1							
	OBS	01470	04.53	35.05	27.79		1493.5							
	OBS	01500	04.52	35.05	27.79		1494.0							

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REFID 31 8173 YEAR 1970 BOTDP 04938 AIR TEMP 18.8 DIP HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0097 MONTH 05 SHIP EN WET BULB 17.2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 46 N DAY 27 DATA USE 1 BAROMETR 1028.4 SEA CL/TR WIND-FRQ 00.7 2 SQUARE 46  
 LONG 047 53 W HOUR 17.7 AREA 05 CLOUD T/A WEATHER Y1 WIND-DRG 097 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	S133	PH
17.7	OBS	00000	19.47	36.51	26.07		1522.5							
	OBS	00010	19.44	36.52	26.09		1522.5							
	OBS	00020	19.32	36.51	26.11		1522.4							
	OBS	00030	19.02	36.42	26.12		1521.6							
	OBS	00050	17.63	36.44	26.43		1518.5							
	OBS	00075	17.47	36.40	26.49		1517.9							
	OBS	00100	17.16	36.40	26.57		1517.4							
	OBS	00125	17.11	36.42	26.56		1517.6							
	OBS	00150	17.02	36.41	26.61		1517.8							
	OBS	00200	16.64	36.33	26.64		1517.4							
	OBS	00250	16.29	36.29	26.68		1517.1							
	OBS	00300	15.82	36.21	26.74		1516.4							
	OBS	00400	14.52	35.96	26.83		1515.6							
	OBS	00500	13.35	35.74	26.91		1511.2							
	OBS	00600	11.54	35.47	27.04		1506.4							
	OBS	00700	09.69	35.29	27.25		1501.1							
	OBS	00800	08.51	35.24	27.40		1498.3							
	OBS	00900	07.36	35.23	27.57		1495.6							
	OBS	01000	06.60	35.16	27.62		1494.2							
	OBS	01100	06.06	35.13	27.67		1493.7							
	OBS	01200	05.69	35.13	27.72		1493.8							
	OBS	01285	05.11	35.08	27.75		1492.8							
	OBS	01300	05.14	35.11	27.77		1493.3							
	OBS	01320	05.23	35.13	27.77		1494.0							
	OBS	01365	04.94	35.09	27.77		1493.5							
	OBS	01400	04.95	35.09	27.77		1494.1							
	OBS	01440	04.95	35.10	27.78		1494.8							
	OBS	01500	04.67	35.07	27.76		1494.6							
	OBS	01600	04.46	35.05	27.80		1495.4							
	OBS	01750	04.23	35.03	27.81		1497.0							
	OBS	02000	03.81	34.98	27.81		1499.4							
	OBS	02080	03.75	34.99	27.83		1500.5							
	OBS	02100	03.67	34.97	27.82		1500.5							
	OBS	02500	03.40	34.47	27.84		1506.2							
	OBS	03000	03.00	34.95	27.87		1513.1							

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TABLE XX.—Continued

REFID 41 8173 YEAR 1970 BOTOP 04389 AIR TEMP 19.2 DIR HGT PER WIND-DIR 09 INST STO RECORDER TEN SQ 1206  
 CONSEC 0098 MONTH 05 SHIP EN WET BULB 17.7 DE 3 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 42 N DAY 28 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 53 W HOUR 07.3 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E41 098 1 SQUARE 47

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
00.0	OBS	0000	19.08	36.47	26.14		1521.3							
	OBS	0010	19.06	36.47	26.15		1521.4							
	OBS	0020	19.05	36.47	26.15		1521.6							
	OBS	0030	18.77	36.48	26.15		1520.8							
	OBS	0040	17.74	36.39	26.41		1518.4							
	OBS	0050	17.40	36.41	26.52		1517.7							
	OBS	0100	17.20	36.41	26.56		1517.5							
	OBS	0125	17.10	36.40	26.58		1517.6							
	OBS	0150	17.01	36.41	26.61		1517.7							
	OBS	0200	16.83	36.39	26.64		1518.0							
	OBS	0250	16.60	36.32	26.64		1518.0							
	OBS	0300	16.15	36.25	26.69		1517.4							
	OBS	0330	15.41	36.07	26.72		1516.1							
	OBS	0400	14.94	36.00	26.77		1515.0							
	OBS	0450	14.66	35.99	26.83		1514.9							
	OBS	0500	13.57	35.87	26.88		1513.4							
	OBS	0550	13.03	35.71	26.95		1510.9							
	OBS	0600	12.21	35.56	27.00		1508.7							
	OBS	0640	11.40	35.44	27.06		1506.4							
	OBS	0700	10.59	35.33	27.13		1504.4							
	OBS	0800	08.90	35.24	27.34		1499.8							
	OBS	0860	08.13	35.24	27.46		1497.9							
	OBS	0900	07.72	35.24	27.52		1497.0							
	OBS	0940	07.15	35.20	27.58		1496.1							
	OBS	1000	06.88	35.19	27.61		1495.3							
	OBS	1100	06.18	35.17	27.68		1494.2							
	OBS	1150	06.05	35.17	27.70		1494.5							
	OBS	1200	05.77	35.13	27.71		1494.2							
	OBS	1230	05.52	35.12	27.73		1493.6							
	OBS	1270	05.49	35.15	27.76		1494.2							
	OBS	1300	05.38	35.15	27.77		1494.3							
	OBS	1400	05.01	35.11	27.78		1494.4							
	OBS	1500	04.68	35.08	27.80		1494.7							

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REFID 31 8173 YEAR 1970 BOTOP 04755 AIR TEMP 18.7 DIR HGT PER WIND-DIR 11 INST STO RECORDER TEN SQ 1206  
 CONSEC 0099 MONTH 05 SHIP EN WET BULB 17.5 DE 3 3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 28 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E41 099 1 SQUARE 47

CASNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
06.1	OBS	0000	18.92	36.36	26.10		1520.7							
	OBS	0010	18.86	36.37	26.12		1520.7							
	OBS	0020	18.85	36.38	26.13		1520.9							
	OBS	0030	18.51	36.33	26.18		1520.0							
	OBS	0050	17.17	36.26	26.46		1516.4							
	OBS	0075	16.67	36.31	26.62		1515.4							
	OBS	0100	16.42	36.29	26.66		1515.0							
	OBS	0125	16.31	36.27	26.67		1515.1							
	OBS	0150	16.18	36.27	26.70		1515.1							
	OBS	0200	15.85	36.19	26.71		1514.8							
	OBS	0250	15.44	36.10	26.74		1514.2							
	OBS	0275	15.43	36.12	26.76		1514.6							
	OBS	0300	15.23	36.07	26.76		1514.3							
	OBS	0330	14.81	36.01	26.81		1513.9							
	OBS	0400	14.34	35.93	26.85		1513.0							
	OBS	0470	13.28	35.73	26.92		1510.4							
	OBS	0500	13.09	35.72	26.95		1510.3							
	OBS	0520	12.97	35.72	26.97		1510.2							
	OBS	0600	11.06	35.46	27.14		1504.6							
	OBS	0700	10.03	35.38	27.26		1502.5							
	OBS	0750	08.79	35.28	27.39		1498.6							
	OBS	0770	08.78	35.29	27.40		1498.9							
	OBS	0800	08.18	35.19	27.42		1497.0							
	OBS	0840	06.93	35.05	27.49		1492.7							
	OBS	0880	06.93	35.12	27.54		1493.4							
	OBS	0900	06.93	35.21	27.61		1493.9							
	OBS	0970	06.56	35.17	27.63		1493.5							
	OBS	0985	06.55	35.18	27.64		1493.8							
	OBS	1000	06.25	35.12	27.64		1492.7							
	OBS	1040	05.76	35.09	27.68		1491.4							
	OBS	1090	05.27	35.04	27.70		1490.2							
	OBS	1100	05.24	35.04	27.70		1490.2							
	OBS	1160	04.97	35.04	27.73		1490.1							
	OBS	1200	04.97	35.04	27.73		1490.8							
	OBS	1300	04.82	35.04	27.75		1491.9							
	OBS	1330	04.79	35.04	27.75		1492.2							
	OBS	1370	04.63	35.04	27.77		1492.2							
	OBS	1400	04.63	35.05	27.78		1492.8							
	OBS	1445	04.37	35.00	27.77		1492.4							
	OBS	1500	04.32	35.02	27.79		1493.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BGTOP 04755 AIR TEMP 19.1 DIR HGT PER WIND-DIP 09 INST STD RECORDER TEN SQ 1206  
 CONSEC 0100 \*GNTH 05 SHIP EN WET BULB 16.2 05 3 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 28 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOP DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER Y1 ORIG E41 100 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	18.69	36.34	26.14		1520.1							
	OBS	00010	18.55	36.35	26.18		1519.8							
	OBS	00020	18.13	36.30	26.25		1518.8							
	OBS	00030	17.30	36.34	26.49		1516.5							
	OBS	00050	16.95	36.35	26.58		1515.8							
	OBS	00052	16.91	36.38	26.61		1515.8							
	OBS	00060	16.96	36.43	26.64		1516.1							
	OBS	00075	16.94	36.41	26.63		1516.3							
	OBS	00100	16.46	36.29	26.65		1515.1							
	OBS	00125	16.47	36.34	26.64		1515.6							
	OBS	00150	16.42	36.32	26.68		1515.9							
	OBS	00200	16.18	36.27	26.70		1515.9							
	OBS	00250	15.63	36.13	26.72		1514.8							
	OBS	00265	15.43	36.11	26.75		1514.4							
	OBS	00300	15.41	36.12	26.76		1515.0							
	OBS	00355	14.60	35.95	26.81		1513.1							
	OBS	00380	14.59	35.94	26.80		1513.5							
	OBS	00400	14.39	35.94	26.85		1513.2							
	OBS	00500	13.26	35.73	26.92		1510.9							
	OBS	00550	12.87	35.69	26.97		1510.3							
	OBS	00600	12.10	35.55	27.01		1508.4							
	OBS	00665	10.98	35.43	27.13		1505.4							
	OBS	00690	10.95	35.46	27.16		1505.7							
	OBS	00700	10.80	35.43	27.17		1505.3							
	OBS	00760	09.55	35.32	27.30		1501.6							
	OBS	00800	08.94	35.23	27.33		1499.9							
	OBS	00830	07.73	35.05	27.37		1495.6							
	OBS	00850	07.82	35.18	27.46		1496.5							
	OBS	00880	07.83	35.23	27.50		1497.1							
	OBS	00900	07.67	35.23	27.52		1496.8							
	OBS	00940	07.37	35.22	27.56		1496.3							
	OBS	00980	06.23	35.06	27.59		1492.2							
	OBS	01000	06.19	35.09	27.62		1492.5							
	OBS	01025	05.79	35.05	27.64		1491.2							
	OBS	01100	05.63	35.08	27.68		1491.9							
	OBS	01130	05.36	35.06	27.70		1491.2							
	OBS	01160	05.36	35.07	27.71		1491.8							
	OBS	01175	05.56	35.14	27.74		1492.9							
	OBS	01200	05.52	35.13	27.74		1493.2							
	OBS	01230	05.23	35.09	27.74		1492.4							
	OBS	01250	05.37	35.15	27.77		1493.4							
	OBS	01300	05.28	35.13	27.77		1493.9							
	OBS	01400	04.95	35.09	27.77		1494.1							
	OBS	01420	04.81	35.09	27.79		1493.9							
	OBS	01460	04.85	35.10	27.79		1494.7							
	OBS	01500	04.55	35.05	27.79		1494.1							

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REFID 31 8173 YEAR 1970 RCTOP 04800 AIR TEMP 18.9 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0101 MONTH 05 SHIP EN WET BULB 17.7 09 1 2 WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 28 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOP DURATION 00.6 2 SQUARE 48  
 LONG 048 09 W HOUR 17.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E41 101 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.7	OBS	00000	18.97	36.33	26.06		1520.8							
	OBS	00010	18.69	36.36	26.16		1520.3							
	OBS	00020	18.34	36.34	26.23		1519.4							
	OBS	00030	17.41	36.35	26.47		1515.9							
	OBS	00050	17.10	36.41	26.59		1516.4							
	OBS	00075	17.08	36.42	26.60		1516.7							
	OBS	00100	16.99	36.40	26.61		1516.8							
	OBS	00125	16.80	36.37	26.63		1516.7							
	OBS	00150	16.62	36.33	26.64		1516.5							
	OBS	00200	16.42	36.31	26.67		1516.7							
	OBS	00250	16.18	36.27	26.70		1516.7							
	OBS	00300	15.61	36.17	26.75		1515.7							
	OBS	00400	14.59	35.97	26.83		1513.8							
	OBS	00475	14.07	35.83	26.83		1513.2							
	OBS	00500	13.47	35.77	26.91		1511.6							
	OBS	00530	12.94	35.70	26.96		1510.2							
	OBS	00550	12.93	35.70	26.97		1510.5							
	OBS	00600	12.18	35.58	27.02		1508.7							
	OBS	00700	10.78	35.42	27.16		1505.2							
	OBS	00760	08.91	35.15	27.27		1499.1							
	OBS	00790	09.05	35.21	27.29		1500.2							
	OBS	00800	08.85	35.21	27.33		1499.6							
	OBS	00840	08.22	35.21	27.43		1497.9							
	OBS	00890	07.92	35.23	27.49		1497.6							
	OBS	00900	08.01	35.24	27.48		1498.1							
	OBS	01000	06.87	35.16	27.58		1495.2							
	OBS	01100	05.89	35.07	27.64		1492.9							
	OBS	01200	05.45	35.09	27.71		1492.8							
	OBS	01300	05.01	35.07	27.75		1492.7							
	OBS	01400	04.73	35.04	27.76		1493.2							
	OBS	01500	04.47	35.02	27.77		1493.7							
	OBS	01580	04.27	35.00	27.78		1494.2							
	OBS	01750	04.19	35.00	27.79		1496.8							
	OBS	01800	04.16	35.00	27.79		1497.5							
	OBS	01810	04.01	35.00	27.81		1497.0							
	OBS	02000	03.87	34.99	27.81		1499.7							
	OBS	02160	03.78	34.99	27.82		1502.0							
	OBS	02500	03.42	34.99	27.86		1506.3							
	OBS	03000	02.95	34.96	27.88		1512.9							

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TABLE XX.—Continued

08930 31 0175 YEAR 1973 ROTOP 03800 AIA TEMP 19.1 DIA HOT PER WIND-DIR 11 INST STD REC'D FA TEN SQ 1204  
 CONSEC 0102 MONTH 05 SWIP EN WET RUN 18.1 08 7 3 WIND-SPD 14 TRACT DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 29 DATA USE 1 BAROMETR 1027.4 SEA WIND-FR 1000 FT 33.5 2 SQUARE 46  
 LONG 098 17 W HOUR 00.1 DATA 05 CLOUD 7/4 CLTR WEATHER 41 PREL FAL 102 1 SQUARE 49

CASNUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DENSITY	SND VEL	DRG	P 4	TOT P	NO2	NO3	SIO3	PH
00.1	085	000.00	18.48	36.34	26.73		1519.5							
	085	000.17	18.19	36.39	26.71		1518.9							
	085	000.30	17.98	36.39	26.77		1518.4							
	085	000.33	17.70	36.39	26.81		1518.0							
	085	000.50	17.27	36.43	26.86		1516.4							
	085	000.75	17.16	36.43	26.89		1517.0							
	085	001.00	17.11	36.44	26.80		1517.3							
	085	001.25	17.11	36.44	26.80		1517.7							
	085	001.50	17.11	36.45	26.82		1518.1							
	085	002.00	16.82	36.35	26.81		1517.8							
	085	002.50	16.47	36.28	26.84		1517.6							
	085	002.65	16.16	36.23	26.87		1516.8							
	085	003.00	16.10	36.25	26.70		1517.3							
	085	004.00	15.20	36.37	26.77		1515.9							
	085	004.00	14.06	35.87	26.87		1513.5							
	085	005.40	13.64	35.91	26.91		1512.9							
	085	006.00	12.38	35.56	26.97		1509.3							
	085	006.10	11.91	35.54	27.04		1508.2							
	085	006.40	11.88	35.54	27.05		1508.4							
	085	006.80	11.22	35.41	27.17		1506.4							
	085	007.00	10.56	35.42	27.13		1505.9							
	085	007.25	10.49	35.42	27.14		1506.0							
	085	008.00	9.48	35.29	27.27		1502.4							
	085	008.50	94.07	35.09	27.35		1497.3							
	085	009.75	27.72	35.07	27.39		1496.3							
	085	009.00	28.03	35.24	27.48		1498.2							
	085	009.40	27.74	35.21	27.50		1497.7							
	085	010.00	26.17	35.02	27.57		1492.3							
	085	010.33	25.92	35.02	27.60		1491.4							
	085	011.00	25.86	35.09	27.66		1492.4							
	085	011.70	25.45	35.09	27.71		1492.3							
	085	012.00	25.39	35.09	27.72		1492.6							
	085	012.30	25.33	35.09	27.73		1492.8							
	085	013.00	24.99	35.06	27.75		1492.6							
	085	013.70	24.64	35.04	27.77		1492.3							
	085	014.00	24.57	35.03	27.77		1492.5							
	085	015.00	24.41	35.02	27.78		1493.5							

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06450 31 0173 YEAR 1973 ROTOP 06755 AIA TEMP 18.4 DIA HOT PER WIND-DIR 17 INST STD REC'D FA TEN SQ 1204  
 CONSEC 0103 MONTH 05 SWIP EN WET RUN 18.1 08 1 3 WIND-SPD 14 TRACT DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 29 DATA USE 1 BAROMETR 1024.1 SEA WIND-FR 1000 FT 30.3 2 SQUARE 46  
 LONG 097 50 W HOUR 06.2 DATA 05 CLOUD 7/4 CLTR WEATHER 41 PREL FAL 103 1 SQUARE 57

CASNUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DENSITY	SND VEL	DRG	P 4	TOT P	NO2	NO3	SIO3	PH
06.2	085	000.00	18.40	36.35	26.10		1520.7							
	085	000.10	18.40	36.35	26.10		1520.6							
	085	000.20	18.74	36.35	26.14		1520.7							
	085	000.30	18.31	36.24	26.19		1515.4							
	085	000.50	16.79	36.25	26.24		1515.3							
	085	000.75	16.42	36.25	26.27		1514.8							
	085	001.00	16.40	36.25	26.23		1514.9							
	085	001.25	16.33	36.25	26.25		1515.1							
	085	001.50	16.22	36.25	26.27		1515.2							
	085	002.00	15.76	36.18	26.23		1514.5							
	085	002.50	15.40	36.15	26.26		1514.5							
	085	003.00	14.99	36.03	26.25		1513.5							
	085	004.00	13.95	35.84	26.48		1511.6							
	085	005.00	12.91	35.67	26.53		1508.3							
	085	006.00	11.95	35.49	27.04		1506.4							
	085	007.00	11.40	35.54	27.06		1506.4							
	085	008.00	11.37	35.49	27.11		1505.7							
	085	009.00	9.33	35.23	27.26		1499.7							
	085	009.50	24.14	35.10	27.35		1499.7							
	085	010.00	24.20	35.19	27.41		1498.2							
	085	010.30	24.33	35.25	27.44		1497.7							
	085	010.50	24.65	35.14	27.41		1497.4							
	085	011.00	24.44	35.14	27.44		1497.4							
	085	011.50	24.26	35.17	27.43		1497.2							
	085	012.00	24.17	35.17	27.45		1497.2							
	085	012.50	23.97	35.14	27.48		1497.4							
	085	013.00	23.73	35.17	27.49		1496.9							
	085	013.50	23.44	35.14	27.51		1496.5							
	085	014.00	23.24	35.14	27.51		1496.4							
	085	014.50	23.05	35.13	27.51		1496.3							
	085	015.00	22.96	35.15	27.54		1496.4							
	085	015.30	22.89	35.14	27.54		1496.2							
	085	015.50	22.79	35.14	27.54		1496.2							
	085	016.00	22.74	35.14	27.54		1496.2							
	085	016.30	22.64	35.14	27.54		1496.2							
	085	016.50	22.54	35.14	27.54		1496.2							
	085	017.00	22.44	35.14	27.54		1496.2							
	085	017.30	22.34	35.14	27.54		1496.2							
	085	017.50	22.24	35.14	27.54		1496.2							
	085	018.00	22.14	35.14	27.54		1496.2							
	085	018.30	22.04	35.14	27.54		1496.2							
	085	018.50	21.94	35.14	27.54		1496.2							
	085	019.00	21.84	35.14	27.54		1496.2							
	085	019.30	21.74	35.14	27.54		1496.2							
	085	019.50	21.64	35.14	27.54		1496.2							
	085	020.00	21.54	35.14	27.54		1496.2							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTDP 04480 AIP TEMP 21.3 DIP HGT PER WIND-OIR 07 INST STD RECORDER TEN 50 1206  
 CONSEC 0104 MONTH 05 SHIP EN WET BULB 18.7 08 1 2 WIND-SPD 09 TRACE OIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 29 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR OURATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 CPGI E41 104 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	N02	N03	S103	PH
12.1	085	00000	18.98	36.36	26.06		1520.9							
	085	00010	18.98	36.36	26.08		1521.1							
	085	00020	18.84	36.35	26.11		1520.8							
	085	00030	18.68	36.33	26.14		1520.5							
	085	00050	17.06	36.28	26.50		1516.1							
	085	00075	16.57	36.28	26.62		1515.0							
	085	00100	16.50	36.28	26.63		1515.2							
	085	00125	16.32	36.28	26.67		1515.1							
	085	00150	16.22	36.27	26.69		1515.2							
	085	00200	15.82	36.20	26.73		1514.7							
	085	00250	15.41	36.11	26.75		1514.1							
	085	00300	15.04	36.05	26.79		1513.7							
	085	00400	14.19	35.89	26.85		1512.5							
	085	00500	12.85	35.44	26.94		1509.4							
	085	00570	11.79	35.52	27.05		1506.8							
	085	00600	11.61	35.53	27.09		1506.6							
	085	00630	11.49	35.50	27.09		1506.7							
	085	00700	09.68	35.27	27.20		1501.8							
	085	00730	09.38	35.24	27.26		1500.4							
	085	00800	08.93	35.28	27.37		1500.0							
	085	00840	08.06	35.23	27.47		1497.3							
	085	00860	08.06	35.23	27.47		1497.6							
	085	00900	06.53	35.04	27.54		1492.1							
	085	00940	06.72	35.17	27.61		1493.7							
	085	00960	06.63	35.17	27.62		1493.6							
	085	01000	06.17	35.14	27.66		1492.4							
	085	01030	05.68	35.08	27.68		1490.9							
	085	01070	05.68	35.11	27.70		1491.6							
	085	01100	05.55	35.10	27.71		1491.6							
	085	01120	05.36	35.09	27.72		1491.1							
	085	01200	05.28	35.10	27.74		1492.1							
	085	01260	04.68	35.03	27.76		1490.6							
	085	01290	04.65	35.03	27.76		1491.0							
	085	01300	04.77	35.06	27.77		1491.7							
	085	01380	04.70	35.06	27.78		1492.7							
	085	01400	04.45	35.02	27.77		1492.0							
	085	01440	04.40	35.02	27.78		1492.4							
	085	01465	04.58	35.06	27.79		1493.7							
	085	01500	04.38	35.02	27.78		1493.4							

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REFID 31 8173 YEAR 1970 BOTOP 03658 AIR TEMP 26.2 DIP HGT PER WIND-OIR 01 INST STD RECORDER TEN 50 1206  
 CONSEC 0105 MONTH 05 SHIP EN WET BULB 21.1 00 0 X WIND-SPD 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 29 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR OURATION 00.4 2 SQUARE 48  
 LONG 048 07 W HOUR 17.5 AREA 05 CLOUD T/A CL/TP WEATHER X1 CPGI E41 105 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	N02	N03	S103	PH
17.5	085	00000	19.52	36.37	25.95		1522.4							
	085	00010	19.16	36.38	26.05		1521.6							
	085	00020	18.80	36.35	26.12		1520.7							
	085	00030	17.99	36.35	26.33		1518.6							
	085	00050	17.27	36.35	26.50		1516.8							
	085	00075	16.83	36.32	26.58		1515.9							
	085	00100	16.64	36.29	26.61		1515.7							
	085	00125	16.63	36.29	26.61		1516.0							
	085	00150	16.53	36.29	26.63		1516.2							
	085	00200	16.25	36.25	26.67		1516.1							
	085	00250	15.81	36.19	26.72		1515.5							
	085	00300	15.54	36.15	26.75		1515.4							
	085	00400	14.66	36.01	26.84		1514.1							
	085	00500	13.40	35.74	26.90		1511.3							
	085	00600	12.31	35.62	27.03		1509.2							
	085	00700	10.52	35.38	27.18		1504.2							
	085	00800	09.45	35.34	27.33		1502.0							
	085	00900	06.91	35.14	27.56		1493.7							
	085	00940	07.13	35.21	27.59		1495.3							
	085	01000	06.45	35.09	27.59		1493.5							
	085	01020	06.11	35.07	27.61		1492.4							
	085	01040	06.24	35.16	27.67		1493.4							
	085	01100	05.52	35.04	27.67		1491.4							
	085	01160	05.28	35.04	27.69		1491.4							
	085	01180	05.66	35.15	27.74		1493.4							
	085	01200	05.30	35.09	27.73		1492.2							
	085	01230	05.40	35.14	27.76		1493.2							
	085	01300	04.98	35.06	27.75		1492.5							
	085	01350	04.70	35.02	27.75		1492.2							
	085	01400	04.61	35.04	27.77		1492.7							
	085	01500	04.39	35.02	27.78		1493.4							
	085	01600	04.19	35.00	27.79		1494.2							
	085	01750	04.06	35.00	27.80		1496.2							
	085	02000	03.73	35.00	27.84		1499.1							
	085	02500	03.30	34.97	27.85		1505.8							
	085	03000	02.89	34.93	27.86		1512.6							

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TABLE XX.—Continued

REF ID: A1 8173 YEAR 1972 W.T.F. 04755 AIR TEMP 18.6 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 NAME 0107 MONTH 05 SHIP EN WFT BULB 17.5 WFT D O X WIND-SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 39 S DAY 27 DATA USE 1 BAROMETR 1020.7 SFA WIND-FCK DURATION 00.4 2 SQUARE 48  
 LCN 048 DR 4 HOUR 06.1 AREA 05 CLOUD T/A CLZTR WEATHER X1 ORIG EWI 107 1 SQUARE 48

LA TIME/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	SI03	PH
00.00	R	0000	19.52	36.34	26.93		1522.4							
00.10	R	0010	19.18	36.33	26.92		1521.5							
00.20	R	0020	18.58	36.34	26.17		1520.1							
00.30	R	0030	17.88	36.35	26.15		1518.3							
00.40	R	0040	17.47	36.29	26.41		1517.3							
00.50	R	0050	17.01	36.37	26.58		1516.5							
01.00	R	0100	16.86	36.37	26.62		1516.4							
01.15	R	0115	16.71	36.36	26.58		1516.4							
01.30	R	0130	16.65	36.35	26.56		1516.6							
01.45	R	0145	16.48	36.30	26.65		1516.8							
01.55	R	0155	16.12	36.23	26.68		1516.5							
02.00	R	0200	15.60	36.10	26.70		1515.5							
02.15	R	0215	15.31	36.05	26.73		1515.0							
02.30	R	0230	14.94	35.97	26.75		1514.0							
02.45	R	0245	14.84	35.99	26.79		1514.2							
03.00	R	0300	14.50	35.89	26.78		1513.5							
03.15	R	0315	13.64	35.41	26.91		1512.2							
03.30	R	0330	13.15	35.75	26.96		1511.3							
03.45	R	0345	12.04	35.54	27.00		1508.3							
04.00	R	0400	10.92	35.43	27.12		1505.0							
04.15	R	0415	10.40	35.49	27.18		1505.8							
04.30	R	0430	10.74	35.44	27.18		1505.1							
04.45	R	0445	9.31	35.19	27.15		1500.3							
05.00	R	0500	9.10	35.29	27.25		1500.6							
05.15	R	0515	9.43	35.30	27.38		1500.3							
05.30	R	0530	9.23	35.19	27.44		1497.4							
05.45	R	0545	9.44	35.22	27.47		1497.7							
06.00	R	0600	9.83	35.11	27.48		1497.4							
06.15	R	0615	9.18	35.01	27.56		1491.3							
06.30	R	0630	8.59	35.15	27.61		1493.5							
06.45	R	0645	8.34	35.10	27.61		1492.6							
07.00	R	0700	8.24	35.13	27.64		1492.9							
07.15	R	0715	8.51	35.22	27.68		1494.4							
07.30	R	0730	8.50	35.22	27.68		1494.7							
07.45	R	0745	8.15	35.17	27.69		1494.1							
08.00	R	0800	8.51	35.13	27.74		1493.1							
08.15	R	0815	8.40	35.04	27.74		1492.2							
08.30	R	0830	8.87	35.04	27.74		1492.7							
08.45	R	0845	8.54	35.03	27.77		1492.1							
09.00	R	0900	8.51	35.03	27.78		1492.2							
09.15	R	0915	8.40	35.01	27.77		1492.2							
09.30	R	0930	8.52	35.01	27.78		1493.1							

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REF ID: A1 8175 YEAR 1972 W.T.F. 04755 AIR TEMP 18.6 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 NAME 0107 MONTH 05 SHIP EN WFT BULB 17.5 WFT D O X WIND-SPO 07 TRACE DIR 0 5 SQUARE 2  
 LAT 34 39 S DAY 27 DATA USE 1 BAROMETR 1020.7 SFA WIND-FCK DURATION 00.4 2 SQUARE 48  
 LCN 048 DR 4 HOUR 06.1 AREA 05 CLOUD T/A CLZTR WEATHER X1 ORIG EWI 107 1 SQUARE 48

LA TIME/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	OXYG	P24	TOT P	NO2	NO3	SI03	PH
06.1	R	0000	19.39	36.37	26.48		1522.1							
06.15	R	0015	18.83	36.35	26.11		1520.6							
06.20	R	0020	17.68	36.35	26.40		1517.5							
06.25	R	0025	17.59	36.33	26.41		1517.4							
06.30	R	0030	17.15	36.35	26.53		1516.4							
06.35	R	0035	17.62	36.39	26.59		1516.5							
06.40	R	0040	16.88	36.39	26.63		1516.5							
06.45	R	0045	16.75	36.37	26.64		1516.5							
06.50	R	0050	16.70	36.37	26.65		1516.8							
06.55	R	0055	16.64	36.35	26.65		1517.4							
07.00	R	0100	16.24	36.27	26.67		1517.0							
07.05	R	0105	15.75	36.17	26.72		1516.1							
07.10	R	0110	15.43	36.11	26.75		1515.9							
07.15	R	0115	14.87	36.01	26.80		1514.8							
07.20	R	0120	13.65	35.81	26.90		1512.2							
07.25	R	0125	12.04	35.58	27.04		1508.4							
07.30	R	0130	10.53	35.37	27.17		1504.3							
07.35	R	0135	9.23	35.22	27.27		1501.0							
07.40	R	0140	8.38	35.15	27.40		1497.7							
07.45	R	0145	7.10	35.06	27.47		1494.3							
07.50	R	0150	6.70	35.11	27.51		1494.4							
07.55	R	0155	6.05	35.11	27.55		1494.5							
08.00	R	0200	7.44	35.19	27.59		1495.7							
08.05	R	0205	6.22	35.23	27.55		1496.0							
08.10	R	0210	7.69	35.06	27.61		1492.0							
08.15	R	0215	5.65	35.06	27.66		1491.9							
08.20	R	0220	5.38	35.08	27.71		1492.5							
08.25	R	0225	6.31	35.08	27.76		1492.7							
08.30	R	0230	6.65	35.04	27.77		1495.4							
08.35	R	0235	4.32	35.12	27.79		1493.1							

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TABLE XX.—Continued

REFID 31 8173 YEAR 1970 BOTOP 04791 AIR TEMP 19.7 OIF HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0108 MONTH 05 SHIP EN WET BULB 18.5 DU 0 X WIND-SPO 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 30 DATA USE 1 BAROMETR 1021.5 SEA WIND-FDP DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A CL/T/F WEATHER XI ORIG E41 LCB 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DEPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	19.33	36.37	26.00		1521.9							
	OBS	00010	18.76	36.33	26.12		1520.4							
	OBS	00020	17.89	36.34	26.34		1518.1							
	OBS	00030	17.66	36.31	26.38		1517.6							
	OBS	00050	17.11	36.36	26.55		1516.3							
	OBS	00075	17.02	36.38	26.59		1516.5							
	OBS	00100	16.90	36.38	26.61		1516.6							
	OBS	00125	16.82	36.38	26.63		1516.7							
	OBS	00150	16.76	36.36	26.63		1516.9							
	OBS	00200	16.71	36.35	26.64		1517.6							
	OBS	00250	16.59	36.35	26.66		1518.1							
	OBS	00300	16.15	36.24	26.68		1517.4							
	OBS	00400	14.98	36.03	26.79		1515.2							
	OBS	00500	14.05	35.85	26.85		1513.6							
	OBS	00600	12.76	35.65	26.96		1510.7							
	OBS	00640	12.22	35.57	27.01		1509.4							
	OBS	00690	10.83	35.39	27.13		1505.2							
	OBS	00700	10.79	35.41	27.15		1505.2							
	OBS	00800	09.64	35.33	27.25		1502.7							
	OBS	00850	07.78	35.06	27.37		1496.1							
	OBS	00870	08.09	35.23	27.46		1497.9							
	OBS	00900	07.88	35.20	27.47		1497.5							
	OBS	00930	07.63	35.15	27.47		1497.0							
	OBS	01000	06.27	35.05	27.58		1492.7							
	OBS	01040	05.71	35.05	27.65		1491.1							
	OBS	01100	05.66	35.07	27.67		1492.0							
	OBS	01120	05.49	35.07	27.69		1491.6							
	OBS	01200	05.31	35.07	27.72		1492.2							
	OBS	01300	04.95	35.06	27.75		1492.4							
	OBS	01400	04.66	35.03	27.76		1492.9							
	OBS	01410	04.59	35.03	27.77		1492.7							
	OBS	01500	04.52	35.03	27.78		1494.0							

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REFID 31 8173 YEAR 1970 BOTOP 04838 AIR TEMP 21.8 OIF HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0109 MONTH 05 SHIP EN WET BULB 19.4 DU 0 Y WIND-SPO 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 30 DATA USE 1 BAROMETR 1020.3 SEA WIND-FDP DURATION 00.8 2 SQUARE 48  
 LONG 046 14 W HOUR 17.5 AREA 05 CLOUD T/A CL/T/F WEATHER XI ORIG E41 LCB 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DEPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
17.5	OBS	00000	19.13	36.38	26.06		1521.4							
	OBS	00010	18.95	36.38	26.11		1521.0							
	OBS	00020	18.49	36.37	26.22		1519.9							
	OBS	00030	17.89	36.34	26.34		1518.3							
	OBS	00050	17.21	36.37	26.53		1516.6							
	OBS	00075	17.01	36.35	26.60		1516.5							
	OBS	00100	16.93	36.39	26.61		1516.7							
	OBS	00125	16.82	36.38	26.63		1516.7							
	OBS	00150	16.76	36.36	26.63		1516.9							
	OBS	00200	16.68	36.36	26.65		1517.5							
	OBS	00250	16.55	36.34	26.67		1517.9							
	OBS	00300	16.24	36.29	26.70		1517.7							
	OBS	00400	15.24	36.07	26.76		1516.0							
	OBS	00460	14.44	35.92	26.82		1514.3							
	OBS	00500	14.10	35.90	26.88		1513.8							
	OBS	00520	13.77	35.85	26.91		1513.0							
	OBS	00600	12.68	35.60	26.94		1510.4							
	OBS	00700	10.96	35.44	27.14		1505.9							
	OBS	00900	08.82	35.15	27.29		1499.4							
	OBS	00915	08.46	35.22	27.40		1498.4							
	OBS	00900	07.77	35.21	27.44		1497.1							
	OBS	00930	07.57	35.22	27.53		1496.9							
	OBS	00990	06.48	35.11	27.60		1493.3							
	OBS	01000	06.29	35.09	27.61		1492.9							
	OBS	01040	05.64	35.07	27.67		1491.2							
	OBS	01100	05.52	35.07	27.69		1491.4							
	OBS	01200	05.21	35.09	27.74		1491.8							
	OBS	01280	04.97	35.07	27.76		1492.2							
	OBS	01300	04.83	35.06	27.76		1491.9							
	OBS	01400	04.55	35.06	27.80		1492.4							
	OBS	01500	04.36	35.05	27.81		1493.3							
	OBS	01750	04.03	35.02	27.87		1496.1							
	OBS	02000	03.82	35.02	27.84		1497.5							
	OBS	02240	03.65	35.01	27.85		1502.8							
	OBS	02300	03.49	35.01	27.87		1503.2							
	OBS	02500	03.30	35.00	27.88		1505.8							
	OBS	02000	02.84	34.97	27.90		1512.4							

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TABLE XX.—Continued

REFID 31 B173	YEAR 1970	ROTOP 05121	AIR TEMP 1d.3	DIF HGT FER	WIND-OIR 11	INST STD RECOPER	TEN SQ 1206
CONSEC 0110	MJNTH 05	SHIP EN	WET BULB 17.4	34 4 3	WIND-SPD 21	TRACE OIR 0	5 SQUARE 4
LAT 35 49 N	DAY 31	DATA USE 1	BAROMETR 1021.7	SEA	WIND-FDR	DURATION 00.5	2 SQUARE 48
LONG 049 03 W	HRUP 00.1	AREA 05	CLOUD 7/A	CL/TP	WEATHER X2	ORIG E41 110	1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIJ3	PH
00.1	OBS	0000J	19.61	36.51	26.02		1522.8							
	OBS	0001J	19.53	36.49	26.04		1522.8							
	OBS	00020	19.19	36.47	26.11		1522.0							
	OBS	00030	18.18	36.37	26.29		1519.1							
	OBS	00050	17.56	36.44	26.50		1517.8							
	OBS	00075	17.32	36.43	26.55		1517.5							
	OBS	00100	17.24	36.43	26.57		1517.6							
	OBS	00125	17.21	36.43	26.58		1517.9							
	OBS	00150	17.16	36.43	26.59		1518.2							
	OBS	00200	17.04	36.40	26.60		1518.6							
	OBS	00250	17.00	36.40	26.61		1519.3							
	OBS	00300	16.95	36.39	26.61		1520.0							
	OBS	00340	16.94	36.39	26.61		1520.6							
	OBS	00400	16.36	36.25	26.64		1519.7							
	OBS	00500	14.70	35.93	26.77		1515.8							
	OBS	00600	13.22	35.70	26.91		1512.3							
	OBS	00700	10.86	35.36	27.10		1505.4							
	OBS	00750	09.84	35.27	27.21		1502.5							
	OBS	00800	08.76	35.13	27.28		1499.1							
	OBS	00860	07.54	35.04	27.39		1495.4							
	OBS	00900	06.99	35.03	27.46		1493.9							
	OBS	00970	06.22	35.05	27.58		1492.0							
	OBS	01000	06.21	35.07	27.60		1492.5							
	OBS	01015	06.20	35.07	27.60		1492.7							
	OBS	01030	05.99	35.07	27.63		1492.1							
	OBS	01070	05.95	35.10	27.66		1492.7							
	OBS	01100	05.79	35.09	27.67		1492.5							
	OBS	01200	05.30	35.09	27.73		1492.2							
	OBS	01300	04.91	35.06	27.75		1492.3							
	OBS	01355	04.87	35.06	27.76		1493.0							
	OBS	01400	04.70	35.06	27.78		1493.1							
	OBS	01500	04.54	35.04	27.78		1494.1							

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TABLE XXI.—Observed and interpolated oceanographic data for stations taken by USCGC BOUTWELL at Ocean Station ECHO, 31 May 1970 - 29 June 1970, prepared from NODC listing No. 31 - 8177.

REFID 31 8177 YEAR 1970 BOTOP 04938 AIR TEMP 18.0 OIR HGT PER WIND-OIR 36 INST STO RECORDER TEN SO 1206  
 CONSEC 0001 MONTH 05 SHIP OU WET BULB 16.0 OIR 20 2 2 WIND-SPO 15 TRACE OIR 0 5 SQUARE 4  
 LAT 35 47 N DAY 31 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 049 30 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E42 001 1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNORTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
18.0	085	00000	18.89	36.41	26.14		1520.7							
	085	00010	18.84	36.41	26.16		1520.7							
	085	00020	18.72	36.41	26.19		1520.6							
	085	00030	18.67	36.43	26.22		1520.6							
	085	00050	17.84	36.34	26.35		1518.5							
	085	00075	16.96	36.39	26.61		1516.3							
	085	00100	16.91	36.37	26.60		1516.6							
	085	00125	16.89	36.40	26.63		1517.0							
	085	00150	16.86	36.41	26.65		1517.3							
	085	00200	16.67	36.36	26.65		1517.5							
	085	00250	16.56	36.34	26.66		1517.9							
	085	00300	16.32	36.31	26.70		1518.0							
	085	00400	14.94	36.07	26.83		1515.1							
	085	00500	13.59	35.86	26.96		1512.1							
	085	00600	11.94	35.60	27.08		1507.9							
	085	00700	09.95	35.33	27.24		1502.1							
	085	00800	07.79	35.13	27.43		1495.5							
	085	00900	06.52	35.12	27.60		1492.2							
	085	01000	05.76	35.14	27.71		1490.8							
	085	01010	05.58	35.10	27.71		1490.2							
	085	01025	05.68	35.17	27.75		1490.9							
	085	01100	05.27	35.13	27.77		1490.5							
	085	01140	05.34	35.18	27.80		1491.5							
	085	01200	04.84	35.12	27.81		1490.4							
	085	01300	04.66	35.12	27.83		1491.3							
	085	01400	04.36	35.10	27.85		1491.7							
	085	01480	04.19	35.09	27.86		1492.3							
	085	01500	04.31	35.11	27.86		1493.2							

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REFID 31 8177 YEAR 1970 BOTOP 04755 AIR TEMP 16.9 OIR HGT PER WIND-OIR 35 INST STO RECORDER TEN SO 1206  
 CONSEC 0002 MONTH 06 SHIP OU WET BULB 13.2 OIR 05 2 2 WIND-SPO 12 TRACE OIR 0 5 SQUARE 2  
 LAT 34 48 N DAY 01 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 09 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 002 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNORTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
05.9	085	00000	18.89	36.38	26.12		1520.7							
	085	00010	18.82	36.36	26.12		1520.6							
	085	00020	17.92	36.36	26.35		1518.2							
	085	00030	17.52	36.38	26.46		1517.2							
	085	00050	17.17	36.43	26.59		1516.6							
	085	00075	17.13	36.43	26.60		1516.9							
	085	00100	17.09	36.44	26.61		1517.2							
	085	00125	17.10	36.44	26.61		1517.6							
	085	00150	17.08	36.44	26.62		1518.0							
	085	00200	16.90	36.39	26.62		1518.2							
	085	00212	16.79	36.36	26.62		1518.0							
	085	00250	16.72	36.36	26.64		1518.5							
	085	00270	16.32	36.31	26.70		1517.5							
	085	00300	15.97	36.22	26.71		1516.8							
	085	00335	15.95	36.25	26.74		1517.4							
	085	00400	15.15	36.09	26.80		1515.8							
	085	00500	14.35	35.98	26.89		1514.7							
	085	00600	12.59	35.66	27.00		1510.2							
	085	00660	11.09	35.46	27.14		1505.7							
	085	00670	11.22	35.53	27.17		1506.4							
	085	00700	10.88	35.48	27.19		1505.7							
	085	00800	09.26	35.37	27.38		1501.3							
	085	00900	07.51	35.26	27.57		1496.2							
	085	00922	06.54	35.10	27.58		1492.6							
	085	00935	06.85	35.20	27.62		1494.1							
	085	00960	06.62	35.18	27.63		1493.6							
	085	00970	06.82	35.24	27.65		1494.7							
	085	01000	06.46	35.19	27.66		1493.7							
	085	01060	05.57	35.04	27.66		1490.9							
	085	01080	05.77	35.14	27.71		1492.2							
	085	01100	05.58	35.12	27.72		1491.7							
	085	01200	05.24	35.12	27.76		1492.0							
	085	01300	04.83	35.11	27.80		1492.0							
	085	01400	04.55	35.09	27.82		1492.5							
	085	01500	04.24	35.06	27.83		1492.8							

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TABLE XXI.—Continued

REFID 31 8177    YEAR 1970    BODP 04480    AIR TEMP 20.6    DIR HGT PER    WIND-DIR 01    INST STD RECORDER    TEN SQ 1206  
 CONSEC 0003    MONTH 06    SHIP DU    WET BULB 16.7    35 2 3    WIND-SPD 12    TRACE DIR    D    5 SQUARE 4  
 LAT 35 00 N    DAY 01    DATA USE 1    BAROMETR 1025.4    SEA    WIND-FOR    DURATION 00.4    2 SQUARE 48  
 LONG 048 00 W    HOUR 12.2    AREA 05    CLOUD T/A    CL/TR    WEATHER X1    ORIG E42 003    1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TDT P	NO2	NO3	S103	PH
12.2	DBS	00000	19.13	36.37	26.05		1521.3							
	DBS	00010	19.04	36.36	26.07		1521.2							
	DBS	00020	18.96	36.35	26.08		1521.2							
	DBS	00030	18.51	36.28	26.14		1520.0							
	DBS	00050	16.91	36.29	26.54		1515.7							
	DBS	00075	16.64	36.32	26.63		1515.3							
	DBS	00100	16.36	36.27	26.66		1514.8							
	DBS	00125	16.06	36.20	26.67		1514.2							
	DBS	00150	15.85	36.18	26.71		1513.9							
	DBS	00200	15.41	36.12	26.76		1513.3							
	DBS	00250	14.94	36.03	26.80		1512.6							
	DBS	00300	14.51	35.97	26.84		1511.9							
	DBS	00355	14.34	35.96	26.87		1512.3							
	DBS	00400	13.78	35.86	26.92		1511.1							
	DBS	00500	12.93	35.70	26.97		1509.7							
	DBS	00600	11.39	35.52	27.13		1505.9							
	DBS	00700	09.52	35.30	27.29		1500.5							
	DBS	00800	07.49	35.14	27.48		1494.3							
	DBS	00835	07.19	35.16	27.54		1493.8							
	DBS	00875	07.43	35.29	27.61		1495.5							
	DBS	00900	07.03	35.21	27.60		1494.3							
	DBS	00985	05.54	35.03	27.66		1489.5							
	DBS	01000	05.86	35.14	27.70		1491.2							
	DBS	01010	05.94	35.17	27.72		1491.7							
	DBS	01040	05.87	35.17	27.72		1492.0							
	DBS	01100	05.01	35.08	27.76		1489.3							
	DBS	01130	04.76	35.04	27.76		1488.8							
	DBS	01160	04.73	35.07	27.78		1489.2							
	DBS	01165	04.94	35.13	27.81		1490.2							
	DBS	01200	04.95	35.13	27.81		1490.8							
	DBS	01235	04.90	35.12	27.80		1491.2							
	DBS	01245	04.73	35.08	27.75		1490.6							
	DBS	01255	04.91	35.13	27.81		1491.6							
	DBS	01300	04.39	35.05	27.81		1490.1							
	DBS	01400	04.29	35.05	27.82		1491.4							
	DBS	01500	04.20	35.04	27.82		1492.7							

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REFID 31 8177    YEAR 1970    BODP 03840    AIR TEMP 17.3    DIR HGT PER    WIND-DIR 01    INST STD RECORDER    TEN SQ 1206  
 CONSEC 0004    MONTH 06    SHIP DU    WET BULB 13.9    01 3 2    WIND-SPD 04    TRACE DIR    0    5 SQUARE 4  
 LAT 35 06 N    DAY 01    DATA USE 1    BAROMETR 1025.7    SEA    WIND-FOR    DURATION 00.3    2 SQUARE 48  
 LONG 048 02 W    HOUR 18.0    AREA 05    CLOUD T/A    CL/TR    WEATHER X1    ORIG E42 004    1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TDT P	NO2	NO3	S103	PH
18.0	DBS	00000	19.28	36.38	26.02		1521.8							
	DBS	00010	19.08	36.36	26.06		1521.4							
	DBS	00020	18.21	36.34	26.26		1519.0							
	DBS	00030	17.93	36.38	26.36		1513.4							
	DBS	00050	17.21	36.35	26.52		1516.6							
	DBS	00075	16.69	36.28	26.59		1515.4							
	DBS	00100	16.59	36.31	26.63		1515.5							
	DBS	00125	16.48	36.31	26.66		1515.6							
	DBS	00150	16.39	36.31	26.68		1515.8							
	DBS	00200	16.21	36.26	26.68		1516.0							
	DBS	00250	15.63	36.17	26.75		1514.9							
	DBS	00300	15.01	36.05	26.80		1513.6							
	DBS	00315	14.98	36.08	26.83		1513.8							
	DBS	00350	14.38	35.92	26.83		1512.3							
	DBS	00370	14.26	35.92	26.86		1512.2							
	DBS	00380	14.41	36.00	26.89		1513.0							
	DBS	00400	14.31	35.98	26.90		1513.0							
	DBS	00500	13.25	35.80	26.98		1510.9							
	DBS	00600	11.61	35.47	27.05		1506.6							
	DBS	00700	10.36	35.45	27.26		1503.8							
	DBS	00795	08.19	35.19	27.41		1497.0							
	DBS	00800	08.33	35.22	27.42		1497.6							
	DBS	00810	08.35	35.30	27.48		1498.0							
	DBS	00815	08.06	35.25	27.48		1496.9							
	DBS	00835	08.17	35.30	27.50		1497.7							
	DBS	00840	08.01	35.26	27.50		1497.1							
	DBS	00865	07.94	35.29	27.53		1497.3							
	DBS	00875	07.54	35.25	27.56		1495.9							
	DBS	00900	07.49	35.25	27.57		1496.1							
	DBS	00915	07.43	35.25	27.57		1496.1							
	DBS	00920	07.50	35.32	27.62		1496.6							
	DBS	01000	05.83	35.08	27.66		1491.0							
	DBS	01045	06.00	35.19	27.72		1492.6							
	DBS	01090	05.60	35.14	27.73		1491.7							
	DBS	01100	05.66	35.16	27.74		1492.1							
	DBS	01130	05.38	35.12	27.75		1491.4							
	DBS	01140	05.48	35.18	27.78		1492.1							
	DBS	01190	05.26	35.14	27.78		1492.0							
	DBS	01200	05.35	35.20	27.81		1492.0							
	DBS	01300	05.02	35.16	27.82		1492.8							
	DBS	01345	04.51	35.09	27.82		1491.4							
	DBS	01370	04.52	35.08	27.81		1491.8							
	DBS	01390	04.76	35.12	27.82		1493.2							
	DBS	01400	04.71	35.12	27.83		1493.2							
	DBS	01410	04.55	35.09	27.82		1492.7							
	DBS	01480	04.43	35.08	27.82		1493.3							
	DBS	01500	04.30	35.06	27.82		1493.1							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04719 AIR TEMP 16.7 OIR HGT PER WIND-DIR 03 INST STO RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 06 SHIP GU WET BULB 12.3 02 2 3 WIND-SPD 08 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1027.6 SEA WIND-FOP DURATIO 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 005 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIJ3	PH
00.0	08S	00000	18.99	36.40	26.11		1521.0							
	08S	00010	18.97	36.40	26.12		1521.1							
	08S	00020	18.92	36.40	26.13		1521.1							
	08S	00030	18.71	36.39	26.17		1520.7							
	08S	00050	17.54	36.38	26.46		1517.6							
	08S	00075	17.15	36.40	26.57		1516.9							
	08S	00100	17.15	36.42	26.58		1517.3							
	08S	00125	17.09	36.42	26.60		1517.6							
	08S	00150	17.06	36.42	26.61		1517.9							
	08S	00200	16.78	36.36	26.63		1517.8							
	08S	00250	16.54	36.28	26.62		1517.8							
	08S	00300	15.67	36.15	26.72		1515.8							
	08S	00400	14.51	35.98	26.85		1513.6							
	08S	00500	13.39	35.76	26.92		1511.3							
	08S	00600	11.79	35.55	27.07		1507.3							
	08S	00700	10.43	35.42	27.22		1504.0							
	08S	00800	08.96	35.31	27.39		1500.1							
	08S	00865	08.25	35.32	27.51		1498.5							
	08S	00880	07.81	35.26	27.53		1497.0							
	08S	00900	07.80	35.28	27.54		1497.3							
	08S	00930	07.66	35.28	27.56		1497.3							
	08S	00940	07.11	35.18	27.57		1495.2							
	08S	00970	06.16	35.06	27.60		1491.8							
	08S	01000	06.51	35.18	27.65		1493.9							
	08S	01020	06.61	35.20	27.65		1494.6							
	08S	01050	06.11	35.13	27.66		1493.0							
	08S	01062	06.44	35.22	27.69		1494.7							
	08S	01100	06.16	35.22	27.73		1494.2							
	08S	01120	06.03	35.20	27.73		1494.0							
	08S	01140	05.51	35.12	27.73		1492.1							
	08S	01200	05.20	35.10	27.75		1491.8							
	08S	01220	05.38	35.15	27.77		1493.0							
	08S	01240	04.95	35.07	27.76		1491.4							
	08S	01270	04.74	35.06	27.77		1491.3							
	08S	01300	04.84	35.08	27.78		1492.0							
	08S	01400	04.67	35.06	27.78		1492.9							
	08S	01440	04.90	35.12	27.80		1494.6							
	08S	01500	04.64	35.08	27.80		1494.5							

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REFID 31 8177 YEAR 1970 BOTOP 04755 AIR TEMP 16.9 OIR HGT PER WIND-DIR 05 INST STO RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 06 SHIP GU WET BULB 13.2 06 WIND-SPD 08 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOP DURATIO 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 006 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIJ3	PH
06.1	08S	00000	18.85	36.44	26.18		1520.6							
	08S	00010	18.85	36.44	26.18		1520.8							
	08S	00020	18.85	36.44	26.18		1521.0							
	08S	00030	18.37	36.41	26.28		1519.7							
	08S	00050	17.50	36.34	26.44		1517.5							
	08S	00075	17.19	36.43	26.58		1517.1							
	08S	00100	17.13	36.41	26.58		1517.3							
	08S	00125	17.13	36.43	26.60		1517.7							
	08S	00150	17.02	36.39	26.59		1517.7							
	08S	00175	16.85	36.35	26.60		1517.6							
	08S	00200	17.00	36.41	26.61		1518.5							
	08S	00250	16.78	36.37	26.64		1518.6							
	08S	00300	16.16	36.23	26.67		1517.4							
	08S	00350	15.51	36.10	26.72		1516.1							
	08S	00360	15.65	36.16	26.74		1516.8							
	08S	00400	14.97	36.01	26.77		1515.1							
	08S	00500	13.83	35.81	26.87		1512.8							
	08S	00600	12.42	35.64	27.02		1509.6							
	08S	00700	10.77	35.43	27.17		1505.2							
	08S	00800	09.40	35.35	27.35		1501.8							
	08S	00900	07.75	35.24	27.52		1497.1							
	08S	00945	06.28	35.03	27.56		1491.8							
	08S	00960	06.67	35.19	27.63		1493.8							
	08S	00980	06.53	35.16	27.63		1493.6							
	08S	01000	06.80	35.22	27.64		1495.0							
	08S	01035	06.35	35.16	27.65		1493.8							
	08S	01050	06.45	35.23	27.70		1494.5							
	08S	01100	05.73	35.15	27.73		1492.4							
	08S	01110	05.88	35.18	27.73		1493.2							
	08S	01130	05.55	35.12	27.73		1492.1							
	08S	01140	05.72	35.15	27.73		1493.0							
	08S	01145	05.48	35.12	27.73		1492.1							
	08S	01200	05.15	35.10	27.76		1491.6							
	08S	01300	04.87	35.08	27.78		1492.1							
	08S	01400	04.50	35.05	27.79		1492.2							
	08S	01500	04.32	35.04	27.81		1493.1							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04755 AIR TEMP 18.4 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 06 SHIP DU WET BULB 15.0 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 01 DATA USE 1 RAFCMETE 1025.0 SFA WIND-FDP DURATION 00.3 2 SQUARE 48  
 LONG 048 13 W HOUR 12.0 AREA 05 CLD T/4 CLZTR WEATHER XI CRIG F47 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SI PA-T	DYNOPHT	SHD VFL	OXYG	P.4	TOT P	NO2	NO3	SIJ3	PH
12.0	0BS	00000	18.61	36.43	25.23		1520.0							
	0BS	00010	18.57	36.43	25.24		1520.0							
	0BS	00020	18.54	36.42	25.24		1520.1							
	0BS	00030	18.26	36.34	25.25		1517.3							
	0BS	00050	17.13	36.35	25.24		1516.4							
	0BS	00075	17.08	36.40	25.29		1516.7							
	0BS	00100	16.99	36.38	25.25		1516.8							
	0BS	00125	16.99	36.42	25.20		1517.2							
	0BS	00150	16.85	36.46	25.21		1517.2							
	0BS	00200	16.67	36.45	25.25		1517.5							
	0BS	00250	16.55	36.43	25.26		1517.9							
	0BS	00300	16.16	36.24	25.28		1517.4							
	0BS	00400	15.09	36.05	25.28		1515.5							
	0BS	00500	13.51	35.75	25.25		1511.7							
	0BS	00600	12.11	35.55	25.21		1508.4							
	0BS	00640	14.42	35.45	27.07		1506.4							
	0BS	00645	11.51	35.51	27.10		1506.2							
	0BS	00700	10.64	35.43	27.20		1504.6							
	0BS	00800	09.41	35.34	27.14		1501.8							
	0BS	00900	07.97	35.24	27.49		1497.9							
	0BS	00925	06.94	35.26	27.45		1494.1							
	0BS	00940	07.14	35.17	27.55		1495.3							
	0BS	00950	07.01	35.15	27.56		1494.2							
	0BS	00970	07.17	35.22	27.49		1496.0							
	0BS	01000	06.84	35.18	27.20		1495.2							
	0BS	01015	06.55	35.14	27.21		1494.2							
	0BS	01025	06.78	35.21	27.24		1495.4							
	0BS	01055	05.91	35.08	27.25		1492.2							
	0BS	01100	05.83	35.12	27.25		1492.7							
	0BS	01200	05.41	35.10	27.24		1492.7							
	0BS	01300	04.96	35.08	27.26		1492.5							
	0BS	01380	04.58	35.05	27.28		1492.2							
	0BS	01400	04.62	35.05	27.28		1492.7							
	0BS	01500	04.46	35.04	27.25		1493.7							

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REFID 31 8177 YEAR 1970 BOTOP 01693 AIR TEMP 19.5 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 06 SHIP DU WET BULB 15.6 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 34 05 N DAY 02 DATA USE 1 RAFCMETE 1029.1 SFA WIND-FDP DURATION 00.4 2 SQUARE 48  
 LONG 046 03 W HOUR 18.1 AREA 05 CLD T/4 CLZTR WEATHER XI CRIG F42 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SI PA-T	DYNOPHT	SHD VFL	OXYG	P.4	TOT P	NO2	NO3	SIJ3	PH
18.1	0BS	00000	19.86	36.26	25.78		1523.2							
	0BS	00010	18.91	36.35	26.09		1511.9							
	0BS	00020	18.76	36.41	26.10		1510.6							
	0BS	00030	17.94	36.44	26.33		1518.4							
	0BS	00050	16.99	36.21	25.54		1515.9							
	0BS	00075	16.76	36.41	26.55		1515.6							
	0BS	00100	16.62	36.41	26.63		1515.6							
	0BS	00125	16.58	36.32	26.64		1515.9							
	0BS	00150	16.41	36.25	26.66		1515.8							
	0BS	00200	15.66	36.15	26.73		1514.1							
	0BS	00250	15.36	36.09	26.75		1514.0							
	0BS	00280	14.96	36.03	26.75		1513.1							
	0BS	00300	14.95	36.02	26.75		1513.4							
	0BS	00325	14.86	36.02	26.81		1513.5							
	0BS	00350	14.41	35.92	26.83		1512.4							
	0BS	00400	13.91	35.84	26.87		1511.5							
	0BS	00440	13.66	35.83	26.92		1511.3							
	0BS	00500	12.70	35.66	26.97		1509.2							
	0BS	00580	11.71	35.56	27.10		1506.7							
	0BS	00600	11.24	35.44	27.06		1505.2							
	0BS	00620	10.55	35.35	27.15		1503.0							
	0BS	00685	09.94	35.32	27.23		1501.4							
	0BS	00700	10.06	35.42	27.29		1502.0							
	0BS	00790	08.82	35.33	27.42		1499.5							
	0BS	00800	08.81	35.33	27.43		1499.6							
	0BS	00840	08.37	35.33	27.50		1498.6							
	0BS	00900	07.66	35.25	27.54		1496.8							
	0BS	00950	07.23	35.26	27.61		1496.0							
	0BS	00960	06.91	35.22	27.62		1494.4							
	0BS	01000	06.68	35.19	27.63		1494.5							
	0BS	01020	06.26	35.16	27.67		1493.2							
	0BS	01050	06.16	35.14	27.66		1493.2							
	0BS	01100	05.46	35.07	27.70		1491.2							
	0BS	01165	05.30	35.07	27.72		1491.6							
	0BS	01180	05.42	35.12	27.74		1492.4							
	0BS	01200	05.31	35.11	27.75		1492.3							
	0BS	01210	05.40	35.15	27.77		1492.9							
	0BS	01300	04.81	35.06	27.77		1491.8							
	0BS	01400	04.36	35.02	27.78		1491.6							
	0BS	01500	04.26	35.03	27.80		1492.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 01335 AIR TEMP 18.7 OIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP OU WET BULB 15.8 36 I 2 WIND-SPD 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 03 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 00.2 2 SQUARE 48  
 LONG 048 12 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 009 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	19.41	36.39	25.99		1522.1							
	OBS	00010	19.00	36.36	25.98		1521.1							
	OBS	00020	18.90	36.34	26.05		1521.0							
	OBS	00030	18.15	36.33	26.27		1519.0							
	OBS	00050	17.02	36.32	26.54		1516.0							
	OBS	00075	16.77	36.33	26.61		1515.7							
	OBS	00100	16.55	36.32	26.65		1515.4							
	OBS	00125	16.44	36.29	26.65		1515.5							
	OBS	00150	16.26	36.26	26.67		1515.3							
	OBS	00200	15.75	36.15	26.71		1514.4							
	OBS	00250	15.30	36.09	26.76		1513.8							
	OBS	00300	14.93	36.02	26.79		1513.3							
	OBS	00322	14.68	35.95	26.79		1512.8							
	OBS	00330	14.74	36.00	26.82		1512.2							
	OBS	00400	13.64	35.81	26.81		1510.6							
	OBS	00500	12.82	35.71	27.00		1509.4							
	OBS	00510	12.79	35.72	27.01		1509.4							
	OBS	00600	11.36	35.49	27.11		1505.7							
	OBS	00635	10.55	35.35	27.15		1503.2							
	OBS	00677	10.15	35.41	27.26		1502.6							
	OBS	00700	10.18	35.43	27.28		1503.1							
	OBS	00800	08.95	35.34	27.41		1500.1							
	OBS	00900	07.55	35.28	27.58		1496.4							
	OBS	01000	06.39	35.18	27.66		1493.4							
	OBS	01037	05.68	35.08	27.68		1491.0							
	OBS	01050	05.81	35.16	27.72		1491.9							
	OBS	01100	05.30	35.12	27.76		1490.6							
	OBS	01130	05.04	35.09	27.76		1490.0							
	OBS	01175	05.13	35.12	27.78		1491.1							
	OBS	01200	04.82	35.07	27.77		1490.2							
	OBS	01212	04.90	35.10	27.75		1490.8							
	OBS	01230	04.90	35.10	27.79		1491.1							
	OBS	01300	04.51	35.06	27.80		1490.6							

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REFID 31 8177 YEAR 1970 BOTOP 04572 AIR TEMP 18.0 OIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 06 SHIP OU WET BULB 16.0 05 2 3 WIND-SPD 04 TRACE OIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 03 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 09 W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 010 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	CHYG	PO4	TOT P	NO2	NO3	SI03	PH
05.9	OBS	00000	19.14	36.39	26.06		1521.4							
	OBS	00010	19.14	36.37	26.05		1521.5							
	OBS	00020	18.76	36.33	26.12		1520.6							
	OBS	00030	17.61	36.32	26.40		1517.4							
	OBS	00050	17.07	36.36	26.56		1516.2							
	OBS	00075	16.89	36.37	26.61		1516.1							
	OBS	00100	16.75	36.35	26.63		1516.1							
	OBS	00125	16.59	36.29	26.62		1515.9							
	OBS	00150	16.49	36.31	26.60		1516.1							
	OBS	00200	16.21	36.25	26.68		1516.0							
	OBS	00250	15.73	36.15	26.71		1515.2							
	OBS	00300	15.11	36.03	26.76		1513.9							
	OBS	00400	14.05	35.85	26.85		1512.0							
	OBS	00435	13.85	35.81	26.86		1511.8							
	OBS	00445	13.96	35.94	26.94		1512.5							
	OBS	00500	13.05	35.72	26.96		1510.1							
	OBS	00600	11.19	35.46	27.12		1505.1							
	OBS	00650	10.16	35.31	27.19		1502.0							
	OBS	00665	10.32	35.46	27.27		1503.1							
	OBS	00700	09.87	35.41	27.31		1501.9							
	OBS	00800	08.21	35.28	27.48		1497.3							
	OBS	00872	07.39	35.18	27.53		1495.2							
	OBS	00900	07.41	35.29	27.61		1495.9							
	OBS	00975	05.93	35.10	27.66		1491.0							
	OBS	01000	05.98	35.13	27.68		1491.7							
	OBS	01025	06.13	35.21	27.72		1492.8							
	OBS	01065	05.68	35.14	27.72		1491.6							
	OBS	01070	05.74	35.18	27.75		1491.9							
	OBS	01100	05.46	35.12	27.74		1491.2							
	OBS	01115	05.23	35.10	27.75		1490.5							
	OBS	01148	05.57	35.19	27.78		1492.6							
	OBS	01170	05.54	35.19	27.78		1492.8							
	OBS	01200	05.06	35.12	27.78		1491.3							
	OBS	01265	04.76	35.07	27.78		1491.1							
	OBS	01290	04.76	35.09	27.80		1491.5							
	OBS	01300	04.83	35.11	27.80		1492.0							
	OBS	01372	04.30	35.03	27.80		1490.9							
	OBS	01400	04.50	35.06	27.80		1492.2							
	OBS	01500	04.13	35.02	27.81		1492.3							

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TABLE XXI.—Continued

REFID 51	R177	YEAP 1970	BOTOP 04370	AIR TEMP 20.0	DIP FGT PER	WIND-DIR 14	INST STD RECORD <sup>OP</sup>	TEN SQ 1296
CONSEC 0011	MONTH 06	SHIP 00	NET SILL 17.3	01 1 3	WIND-SPD 04	TRACE DIR 0	5 SQUARE 2	
LAT 24 58 N	DAY 02	DATA USE 1	SARCOM <sup>REF</sup> 1030.1	SEA	WIND-FCF	DURATION 02.5	2 SQUARE 48	
LONG 048 04 W	HOUR 12.3	AREA 05	CLEUD 7/4	CL/TR	WEATHER X1	ORIG E42 011	1 SQUARE 48	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SND VEL	XYG	P:4	TOT P	NO2	NO3	SD3	PH
12.3	DBS	00000	19.16	36.39	26.06		1521.4							
	DBS	00010	18.98	36.36	26.08		1521.1							
	DBS	00020	18.93	36.37	26.10		1521.1							
	DBS	00030	18.60	36.31	26.14		1520.3							
	DBS	00050	17.38	36.28	26.42		1517.0							
	DBS	00075	16.72	36.30	26.60		1515.5							
	DBS	00100	16.60	36.32	26.64		1515.6							
	DBS	00125	16.54	36.31	26.65		1515.6							
	DBS	00150	16.45	36.30	26.66		1515.9							
	DBS	00200	16.18	36.24	26.68		1515.9							
	DBS	00250	15.82	36.18	26.71		1515.5							
	DBS	00300	15.45	36.10	26.74		1515.1							
	DBS	00400	14.10	35.88	26.86		1512.2							
	DBS	00500	12.40	35.63	27.02		1507.8							
	DBS	00535	12.17	35.62	27.06		1507.6							
	DBS	00540	11.85	35.55	27.06		1506.5							
	DBS	00570	11.43	35.50	27.10		1505.5							
	DBS	00600	10.45	35.33	27.15		1502.3							
	DBS	00645	09.99	35.31	27.21		1501.3							
	DBS	00655	10.13	35.42	27.28		1502.2							
	DBS	00700	09.75	35.37	27.30		1501.5							
	DBS	00730	09.45	35.36	27.35		1500.8							
	DBS	00750	08.80	35.28	27.54		1498.7							
	DBS	00770	08.12	35.21	27.44		1496.3							
	DBS	00800	07.86	35.20	27.47		1495.8							
	DBS	00870	07.18	35.14	27.56		1494.3							
	DBS	00890	07.40	35.28	27.60		1495.6							
	DBS	00900	07.34	35.27	27.60		1495.6							
	DBS	00940	06.60	35.17	27.63		1493.2							
	DBS	01000	05.83	35.07	27.65		1491.0							
	DBS	01025	05.32	35.13	27.69		1491.9							
	DBS	01070	05.85	35.16	27.72		1492.4							
	DBS	01100	05.49	35.10	27.72		1491.3							
	DBS	01120	05.48	35.13	27.74		1491.7							
	DBS	01130	05.25	35.09	27.74		1490.8							
	DBS	01200	04.85	35.06	27.74		1490.3							
	DBS	01210	04.94	35.08	27.77		1490.9							
	DBS	01220	04.79	35.04	27.75		1490.4							
	DBS	01250	05.09	35.13	27.79		1492.2							
	DBS	01300	04.82	35.10	27.80		1491.9							
	DBS	01315	04.84	35.11	27.80		1492.3							
	DBS	01360	04.45	35.04	27.79		1491.3							
	DBS	01400	04.35	35.04	27.80		1491.6							
	DBS	01500	04.38	35.06	27.81		1493.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04572 AIR TEMP 21.7 OIR HGT PER WIND-OIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 06 SHIP OU WET RULB 20.0 01 1 2 WIND-SPO 03 TRACE OIR 0 5 SQUARE 2  
 LAT 34 53 N OAY 03 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR OURATION 00.3 2 SQUARE 48  
 LENG 048 10 W HOUR 18.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 012 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DXYG	P04	TOT P	N02	N03	S103	PH
18.4	085	00000	19.33	36.36	26.00		1521.8							
	085	00010	18.58	36.36	26.18		1519.9							
	085	00020	18.38	36.38	26.25		1519.6							
	085	00030	17.88	36.36	26.36		1518.3							
	085	00050	17.05	36.38	26.58		1516.2							
	085	00075	17.00	36.40	26.61		1516.5							
	085	00100	16.87	36.37	26.61		1516.5							
	085	00125	16.64	36.32	26.63		1516.1							
	085	00150	16.56	36.32	26.65		1516.3							
	085	00180	16.35	36.26	26.65		1516.1							
	085	00200	15.95	36.16	26.67		1515.1							
	085	00218	15.72	36.16	26.72		1516.6							
	085	00231	15.80	36.20	26.73		1515.1							
	085	00245	15.55	36.12	26.73		1516.5							
	085	00259	15.64	36.17	26.75		1515.1							
	085	00300	15.21	36.06	26.76		1516.3							
	085	00400	14.01	35.84	26.85		1511.8							
	085	00410	13.86	35.83	26.88		1511.5							
	085	00425	13.87	35.85	26.89		1511.8							
	085	00440	13.50	35.75	26.89		1510.7							
	085	00450	13.63	35.83	26.92		1511.4							
	085	00500	13.10	35.73	26.96		1510.3							
	085	00600	11.30	35.45	27.09		1505.5							
	085	00655	10.58	35.41	27.19		1503.8							
	085	00675	10.09	35.39	27.26		1502.3							
	085	00680	10.15	35.41	27.26		1502.6							
	085	00700	09.80	35.36	27.29		1501.6							
	085	00740	09.26	35.36	27.38		1500.3							
	085	00800	08.97	35.39	27.45		1500.3							
	085	00830	08.10	35.26	27.48		1497.3							
	085	00870	07.56	35.25	27.56		1495.9							
	085	00885	07.56	35.26	27.56		1496.1							
	085	00900	07.00	35.15	27.56		1494.1							
	085	00922	06.33	35.09	27.60		1491.7							
	085	00938	06.37	35.09	27.60		1492.1							
	085	00988	06.15	35.11	27.64		1492.1							
	085	01000	05.95	35.11	27.67		1491.5							
	085	01100	05.28	35.08	27.73		1490.4							
	085	01138	05.17	35.07	27.73		1490.6							
	085	01200	05.57	35.18	27.77		1493.4							
	085	01300	04.77	35.09	27.79		1491.7							
	085	01309	04.86	35.11	27.80		1492.3							
	085	01355	04.47	35.04	27.79		1491.3							
	085	01400	04.59	35.08	27.81		1492.6							
	085	01412	04.63	35.09	27.81		1493.0							
	085	01440	04.50	35.07	27.81		1492.9							
	085	01460	04.50	35.07	27.81		1493.3							
	085	01480	04.61	35.10	27.82		1494.1							
	085	01500	04.49	35.08	27.82		1493.9							

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REFID 31 8177 YEAR 1970 BOTOP 04572 AIR TEMP 19.0 OIR HGT PER WIND-OIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 06 SHIP OU WET RULB 16.8 35 0 3 WIND-SPO 04 TRACE OIR 0 5 SQUARE 2  
 LAT 34 54 N OAY 03 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR OURATION 00.4 2 SQUARE 48  
 LONG 048 10 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 013 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	DXYG	P04	TOT P	N02	N03	S103	PH
23.6	085	00000	19.06	36.40	26.09		1521.2							
	085	00010	18.70	36.34	26.14		1520.3							
	085	00020	18.45	36.38	26.23		1519.8							
	085	00030	18.15	36.38	26.31		1519.1							
	085	00050	17.09	36.36	26.55		1516.3							
	085	00075	16.98	36.39	26.60		1516.4							
	085	00100	16.95	36.40	26.62		1516.7							
	085	00125	16.73	36.34	26.62		1516.4							
	085	00150	16.62	36.33	26.64		1516.5							
	085	00200	16.25	36.25	26.67		1516.1							
	085	00250	15.46	36.12	26.75		1514.3							
	085	00300	14.70	35.97	26.80		1512.5							
	085	00330	14.13	35.85	26.83		1511.1							
	085	00350	14.25	35.92	26.86		1511.9							
	085	00400	13.62	35.81	26.91		1510.5							
	085	00500	12.15	35.57	27.02		1506.9							
	085	00600	10.97	35.44	27.14		1504.3							
	085	00700	09.94	35.39	27.29		1502.2							
	085	00772	08.90	35.31	27.40		1499.4							
	085	00800	08.79	35.32	27.42		1499.5							
	085	00845	08.72	35.37	27.47		1500.0							
	085	00900	07.47	35.25	27.57		1496.0							
	085	01000	06.00	35.10	27.65		1491.7							
	085	01010	05.96	35.11	27.67		1491.7							
	085	01020	06.06	35.15	27.68		1492.4							
	085	01100	05.43	35.08	27.71		1491.1							
	085	01200	04.98	35.06	27.75		1490.9							
	085	01255	05.07	35.12	27.78		1492.2							
	085	01300	04.84	35.08	27.78		1492.0							
	085	01322	04.75	35.06	27.77		1492.0							
	085	01340	04.89	35.09	27.78		1492.9							
	085	01380	04.70	35.06	27.78		1492.7							
	085	01400	04.73	35.08	27.79		1493.2							
	085	01420	04.48	35.04	27.79		1492.5							
	085	01500	04.53	35.06	27.80		1494.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04618 AIR TEMP 19.0 DIR HGT PER WIND-DIR 17 INST STD RECOPIER TEN SQ 1206  
 CONSEC 0014 MONTH 06 SHIP OU WET BULB 17.8 35 0 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 04 DATA USE 1 BARDMETP 1027.8 SEA WIND-FOR 00.3 2 SQUARE 48  
 LONG 048 11 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 014 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	18.88	36.39	26.13		1520.7							
	OBS	00010	18.87	36.39	26.13		1520.8							
	OBS	00020	18.75	36.38	26.16		1520.6							
	OBS	00030	18.46	36.38	26.23		1520.0							
	OBS	00050	17.31	36.35	26.49		1516.9							
	OBS	00075	17.03	36.40	26.60		1516.6							
	OBS	00100	16.89	36.37	26.61		1516.5							
	OBS	00125	16.67	36.31	26.62		1516.2							
	OBS	00150	16.51	36.29	26.64		1516.1							
	OBS	00170	16.13	36.22	26.67		1515.2							
	OBS	00200	16.03	36.22	26.70		1515.4							
	OBS	00250	15.64	36.15	26.73		1514.9							
	OBS	00300	15.23	36.06	26.75		1514.3							
	OBS	00400	14.30	35.93	26.86		1512.9							
	OBS	00500	12.92	35.68	26.95		1509.7							
	OBS	00600	11.25	35.43	27.08		1505.3							
	OBS	00700	09.85	35.37	27.29		1501.8							
	OBS	00750	08.92	35.31	27.39		1499.1							
	OBS	00800	08.56	35.32	27.46		1498.6							
	OBS	00805	08.64	35.37	27.48		1499.1							
	OBS	00835	07.80	35.25	27.52		1496.2							
	OBS	00900	07.28	35.18	27.54		1495.2							
	OBS	00930	06.63	35.16	27.62		1493.1							
	OBS	00940	06.25	35.09	27.61		1491.7							
	OBS	01000	05.95	35.14	27.69		1491.6							
	OBS	01010	06.00	35.14	27.68		1491.9							
	OBS	01100	05.44	35.10	27.72		1491.1							
	OBS	01138	05.19	35.08	27.74		1490.7							
	OBS	01175	05.55	35.18	27.77		1492.9							
	OBS	01200	05.37	35.15	27.77		1492.6							
	OBS	01220	04.87	35.09	27.78		1490.8							
	OBS	01300	04.51	35.03	27.78		1490.6							
	OBS	01325	04.63	35.06	27.75		1491.5							
	OBS	01400	04.53	35.07	27.81		1492.4							
	OBS	01500	04.26	35.03	27.80		1492.9							

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REFID 31 8177 YEAR 1970 BOTOP 04667 AIR TEMP 21.2 DIR HGT PER WIND-DIR 15 INST STD RECOPIER TEN SQ 1206  
 CONSEC 0015 MONTH 06 SHIP OU WET BULB 16.8 36 0 3 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 04 DATA USE 1 BARDMETP 1028.1 SEA WIND-FOR 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 015 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	19.64	36.39	25.93		1522.8							
	OBS	00010	19.50	36.36	25.95		1522.5							
	OBS	00020	19.01	36.33	26.05		1521.3							
	OBS	00030	18.66	36.31	26.13		1520.4							
	OBS	00050	17.29	36.24	26.41		1516.7							
	OBS	00075	16.71	36.30	26.60		1515.5							
	OBS	00100	16.58	36.32	26.64		1515.5							
	OBS	00125	16.52	36.31	26.65		1515.7							
	OBS	00150	16.32	36.26	26.66		1515.5							
	OBS	00200	15.98	36.21	26.70		1515.2							
	OBS	00250	15.49	36.14	26.76		1514.4							
	OBS	00300	14.86	35.99	26.78		1513.1							
	OBS	00363	13.95	35.84	26.86		1511.0							
	OBS	00372	14.07	35.92	26.90		1511.6							
	OBS	00400	13.64	35.81	26.91		1510.6							
	OBS	00500	12.26	35.60	27.02		1507.3							
	OBS	00542	11.92	35.59	27.08		1506.8							
	OBS	00600	10.59	35.32	27.12		1502.8							
	OBS	00700	09.61	35.37	27.33		1500.9							
	OBS	00800	08.18	35.23	27.45		1497.1							
	OBS	00820	07.88	35.22	27.48		1496.2							
	OBS	00839	08.00	35.27	27.51		1497.1							
	OBS	00880	07.37	35.23	27.57		1495.3							
	OBS	00900	07.39	35.26	27.59		1495.7							
	OBS	00920	07.37	35.27	27.60		1496.0							
	OBS	00980	05.96	35.07	27.63		1491.2							
	OBS	01000	06.20	35.16	27.67		1492.6							
	OBS	01080	05.55	35.09	27.70		1491.2							
	OBS	01090	05.68	35.16	27.74		1492.0							
	OBS	01100	05.62	35.15	27.74		1491.9							
	OBS	01155	05.01	35.07	27.75		1490.3							
	OBS	01200	04.96	35.07	27.76		1490.8							
	OBS	01300	04.41	35.01	27.77		1490.1							
	OBS	01400	04.35	35.03	27.79		1491.6							
	OBS	01500	04.37	35.04	27.80		1493.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04115 AIR TEMP 22.0 OIR HGT PER 4IND-OIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 06 SHIP OU WET BULB 20.0 49 X X WIND-SPO 05 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1026.4 SEA CL/TR WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 53 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 016 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.0	08S	00000	20.13	36.37	25.79		1524.1							
	08S	00010	19.36	36.24	25.85		1522.0							
	08S	00020	18.97	36.37	26.09		1521.2							
	08S	00030	18.88	36.33	26.09		1521.1							
	08S	00050	17.99	36.29	26.28		1518.8							
	08S	00075	16.91	36.26	26.52		1516.0							
	08S	00100	16.16	36.18	26.63		1514.1							
	08S	00125	15.63	36.13	26.72		1512.8							
	08S	00150	15.26	36.07	26.76		1512.0							
	08S	00200	15.03	36.05	26.79		1512.1							
	08S	00225	14.78	36.00	26.81		1511.6							
	08S	00250	14.78	36.01	26.82		1512.0							
	08S	00300	14.26	35.94	26.88		1511.1							
	08S	00400	14.14	35.94	26.90		1512.4							
	08S	00410	13.50	35.80	26.93		1510.3							
	08S	00500	12.19	35.59	27.03		1507.1							
	08S	00600	10.52	35.36	27.16		1502.6							
	08S	00700	08.83	35.23	27.35		1497.9							
	08S	00740	08.57	35.27	27.42		1497.6							
	08S	00800	07.50	35.16	27.45		1494.4							
	08S	00860	06.93	35.15	27.57		1493.1							
	08S	00900	06.89	35.19	27.60		1493.7							
	08S	00925	06.95	35.24	27.64		1494.4							
	08S	01000	06.17	35.15	27.67		1492.5							
	08S	01028	05.76	35.12	27.70		1491.2							
	08S	01090	05.69	35.13	27.72		1492.0							
	08S	01100	05.61	35.11	27.71		1491.8							
	08S	01120	05.26	35.06	27.71		1490.7							
	08S	01138	05.54	35.14	27.74		1492.2							
	08S	01155	05.33	35.10	27.74		1491.6							
	08S	01200	05.16	35.09	27.75		1491.6							
	08S	01218	04.99	35.07	27.75		1491.2							
	08S	01232	05.24	35.12	27.76		1492.5							
	08S	01288	04.85	35.07	27.77		1491.8							
	08S	01300	04.93	35.10	27.78		1492.4							
	08S	01330	04.76	35.08	27.79		1492.2							
	08S	01342	04.87	35.10	27.79		1492.8							
	08S	01400	04.48	35.05	27.80		1492.1							
	08S	01500	04.26	35.03	27.80		1492.9							

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REFID 31 8177 YEAR 1970 BOTOP 03860 AIR TEMP 20.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 06 SHIP OU WET BULB 19.0 17 WIND-SPO 06 TRACE OIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 04 DATA USE 1 BAROMETR 1025.5 SEA CL/TR WIND-FDR DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 017 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.0	08S	00000	19.73	36.36	25.84		1523.0							
	08S	00010	19.45	36.27	25.85		1522.3							
	08S	00020	19.08	36.32	26.03		1521.5							
	08S	00030	18.71	36.27	25.68		1520.5							
	08S	00050	16.66	36.25	25.57		1514.9							
	08S	00060	16.52	36.24	26.60		1514.6							
	08S	00075	16.59	36.29	26.62		1515.1							
	08S	00100	16.55	36.31	26.64		1515.4							
	08S	00125	16.39	36.28	26.66		1515.3							
	08S	00150	16.26	36.26	26.74		1515.7							
	08S	00200	15.54	36.13	26.74		1513.7							
	08S	00250	14.96	36.01	26.78		1512.6							
	08S	00290	14.73	35.97	26.80		1512.5							
	08S	00300	14.57	35.95	26.82		1512.1							
	08S	00400	13.31	35.74	26.92		1505.4							
	08S	00500	12.01	35.55	27.02		1504.4							
	08S	00600	10.51	35.37	27.17		1502.6							
	08S	00640	09.91	35.28	27.21		1500.9							
	08S	00660	09.07	35.17	27.26		1498.0							
	08S	00700	08.74	35.24	27.37		1497.5							
	08S	00750	07.79	35.13	27.43		1494.6							
	08S	00800	07.44	35.16	27.50		1494.1							
	08S	00835	06.89	35.13	27.46		1492.5							
	08S	00900	06.79	35.21	27.63		1493.3							
	08S	01000	05.57	35.14	27.65		1491.7							
	08S	01070	05.28	35.08	27.73		1490.0							
	08S	01100	05.23	35.09	27.74		1490.3							
	08S	01200	05.05	35.09	27.76		1491.2							
	08S	01260	04.69	35.04	27.76		1490.7							
	08S	01277	04.74	35.06	27.77		1491.2							
	08S	01285	04.61	35.03	27.77		1490.7							
	08S	01300	04.65	35.06	27.78		1491.2							
	08S	01400	04.63	35.07	27.75		1492.8							
	08S	01450	04.41	35.04	27.80		1492.7							
	08S	01465	04.58	35.06	27.75		1493.7							
	08S	01500	04.26	35.01	27.79		1492.9							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 02880	AIR TEMP 20.6	OIR HGT PER	WIND-OIR 15	INST STD RECORDER	TEN SQ 1206
CONSEC 0018	MONTH 06	SHIP OU	WET BULB 20.0	17 1 2	WIND-SPO 12	TRACE OIR 0	5 SQUARE 4
LAT 35 10 N	OAY 05	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FJR	OURATION 00.3	2 SQUARE 46
LONG 047 57 W	HOOR 05.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 018	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PI4	TGT P	NO2	NO3	SI33	PH
05.9	085	00000	19.71	36.40	25.92		1523.0							
	085	00010	19.70	36.40	25.93		1523.1							
	085	00020	19.51	36.37	25.95		1522.7							
	085	00030	18.99	36.36	26.08		1521.4							
	085	00050	17.71	36.27	26.33		1518.0							
	085	00075	16.83	36.31	26.58		1515.9							
	085	00100	16.55	36.29	26.63		1515.4							
	085	00125	16.48	36.30	26.65		1515.6							
	085	00150	16.37	36.28	26.66		1515.7							
	085	00200	16.04	36.23	26.70		1515.4							
	085	00250	15.69	36.16	26.73		1515.1							
	085	00300	15.21	36.07	26.77		1514.3							
	085	00395	14.15	35.90	26.87		1512.3							
	085	00400	14.21	35.93	26.68		1512.6							
	085	00500	12.83	35.69	26.96		1509.4							
	085	00560	12.06	35.60	27.06		1507.6							
	085	00578	11.78	35.57	27.09		1506.9							
	085	00600	11.25	35.45	27.10		1505.3							
	085	00700	08.96	35.20	27.30		1498.3							
	085	00729	08.39	35.17	27.37		1496.6							
	085	00750	08.37	35.25	27.43		1497.0							
	085	00790	07.81	35.17	27.46		1495.4							
	085	00800	07.51	35.16	27.49		1494.4							
	085	00820	07.45	35.17	27.51		1494.5							
	085	00890	06.62	35.17	27.63		1492.4							
	085	00900	06.61	35.17	27.63		1492.6							
	085	00940	06.78	35.25	27.67		1494.0							
	085	00965	06.61	35.23	27.67		1493.7							
	085	00983	06.23	35.18	27.69		1492.5							
	085	01000	06.29	35.20	27.69		1493.0							
	085	01015	06.25	35.19	27.69		1493.1							
	085	01022	05.93	35.14	27.69		1491.9							
	085	01041	05.89	35.15	27.71		1492.0							
	085	01100	05.09	35.07	27.74		1489.7							
	085	01157	05.01	35.07	27.75		1490.3							
	085	01165	05.16	35.11	27.76		1491.1							
	085	01200	05.08	35.09	27.76		1491.3							
	085	01300	04.62	35.06	27.79		1491.1							
	085	01320	04.63	35.06	27.79		1491.4							
	085	01325	04.54	35.04	27.78		1491.1							
	085	01400	04.42	35.04	27.79		1491.9							
	085	01500	04.32	35.04	27.81		1493.2							

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REFID 31 8177	YEAR 1970	BOTOP 01930	AIR TEMP 20.0	OIR HGT PER	WIND-OIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0019	MONTH 06	SHIP OU	WET BULB 20.0	17 1 2	WIND-SPO 15	TRACE OIR 0	5 SQUARE 4
LAT 35 08 N	OAY 05	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FJR	OURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOOR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E42 019	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PI4	TGT P	NO2	NO3	SI33	PH
12.0	085	00000	19.69	36.41	25.64		1522.9							
	085	00010	19.43	36.35	25.66		1522.3							
	085	00020	19.12	36.39	26.07		1521.7							
	085	00030	18.96	36.35	26.08		1521.3							
	085	00050	17.02	36.29	26.22		1516.0							
	085	00075	16.63	36.31	26.62		1515.3							
	085	00100	16.46	36.31	26.66		1515.1							
	085	00125	16.28	36.26	26.67		1515.0							
	085	00150	16.15	36.24	26.68		1514.9							
	085	00200	15.69	36.17	26.74		1514.3							
	085	00250	15.11	36.06	26.78		1513.1							
	085	00300	14.61	35.98	26.83		1512.3							
	085	00400	13.39	35.78	26.93		1509.7							
	085	00430	13.20	35.76	26.96		1509.5							
	085	00440	12.96	35.72	26.97		1508.9							
	085	00500	12.33	35.64	27.04		1507.6							
	085	00600	10.66	35.38	27.15		1503.1							
	085	00700	09.21	35.23	27.28		1499.3							
	085	00739	08.15	35.15	27.39		1495.8							
	085	00756	08.38	35.25	27.43		1497.1							
	085	00780	08.25	35.25	27.45		1497.0							
	085	00800	07.80	35.19	27.47		1495.6							
	085	00900	06.64	35.18	27.63		1492.7							
	085	00905	06.74	35.23	27.66		1493.2							
	085	00965	06.66	35.21	27.65		1493.9							
	085	00980	06.35	35.17	27.66		1492.9							
	085	01000	06.28	35.18	27.68		1492.9							
	085	01022	06.32	35.20	27.69		1493.5							
	085	01100	05.48	35.12	27.73		1491.3							
	085	01122	05.15	35.08	27.74		1490.3							
	085	01200	04.78	35.04	27.75		1490.0							
	085	01270	04.71	35.07	27.79		1490.9							
	085	01300	04.59	35.05	27.76		1490.9							
	085	01316	04.39	35.04	27.80		1490.4							
	085	01400	04.30	35.03	27.80		1491.4							
	085	01450	04.14	35.02	27.81		1491.5							
	085	01500	04.13	35.01	27.80		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BCTOP 04481 AIR TEMP 20.0 DTP HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 06 SHIP 00 WET BULB 19.8 17 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55.5N DAY 05 DATA USE 1 BAROMETR 1022.0 SEA 3 WIND-FOR 00.4 DURATION 00.4 2 SQUARE 48  
 LONG 048 05.5W HOUR 18.3 AREA 05 CLOUD T/A CL/T/P WEATHER X8 CRIG F42 020 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
18.3	OBS	0000	19.62	36.33	25.85		1522.7							
	OBS	0010	19.60	36.37	25.83		1522.8							
	OBS	0020	19.02	36.37	26.08		1521.4							
	OBS	0030	18.65	36.34	26.15		1520.4							
	OBS	0050	17.01	36.22	26.47		1515.9							
	OBS	0075	16.02	36.09	26.80		1513.1							
	OBS	0100	15.59	36.12	26.72		1512.5							
	OBS	0125	15.40	36.10	26.75		1512.0							
	OBS	0150	15.29	36.09	26.76		1512.1							
	OBS	0200	14.92	36.00	26.78		1511.6							
	OBS	0250	14.78	36.01	26.82		1512.0							
	OBS	0300	14.37	35.93	26.74		1511.4							
	OBS	0325	14.14	35.89	26.88		1511.1							
	OBS	0355	14.29	35.97	26.89		1512.1							
	OBS	0400	14.02	35.71	26.90		1511.9							
	OBS	0500	12.02	35.55	27.03		1506.4							
	OBS	0550	11.92	35.57	27.07		1506.6							
	OBS	0600	10.60	35.37	27.15		1502.9							
	OBS	0645	09.55	35.25	27.24		1499.7							
	OBS	0660	09.64	35.35	27.31		1500.4							
	OBS	0700	09.32	35.26	27.37		1499.9							
	OBS	0800	07.67	35.19	27.44		1495.1							
	OBS	0832	07.30	35.17	27.53		1494.1							
	OBS	0868	07.49	35.27	27.45		1495.6							
	OBS	0900	07.27	35.25	27.60		1495.3							
	OBS	1000	05.62	35.07	27.68		1490.1							
	OBS	1025	05.67	35.15	27.73		1490.9							
	OBS	1100	05.32	35.11	27.75		1490.7							
	OBS	1200	04.96	35.07	27.76		1490.8							
	OBS	01300	04.59	35.05	27.76		1490.9							
	OBS	01400	04.43	35.04	27.76		1491.9							
	OBS	01500	04.29	35.04	27.81		1493.0							

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REFID 31 8177 YEAR 1970 BCTOP 03658 AIR TEMP 19.8 DTP HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0021 MONTH 06 SHIP 00 WET BULB 19.5 20 2 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 05 DATA USE 1 BAROMETR 1021.7 SEA CL/T/R WIND-FOR 00.3 DURATION 00.3 2 SQUARE 48  
 LONG 048 04 W HOUR 23.8 AREA 05 CLOUD T/A WEATHER X2 CRIG F42 021 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
23.8	OBS	0000	19.65	36.34	25.89		1522.7							
	OBS	0010	19.64	36.34	25.90		1522.9							
	OBS	0020	18.83	36.33	26.10		1520.8							
	OBS	0030	18.51	36.30	26.16		1520.0							
	OBS	0050	16.71	36.22	26.54		1515.0							
	OBS	0075	16.26	36.20	26.63		1514.0							
	OBS	0100	16.18	36.22	26.66		1514.2							
	OBS	0125	15.91	36.16	26.68		1513.7							
	OBS	0150	15.82	36.17	26.71		1513.8							
	OBS	0200	15.51	36.11	26.73		1513.6							
	OBS	0250	15.03	36.04	26.78		1512.9							
	OBS	0300	14.41	35.93	26.84		1511.6							
	OBS	0325	14.19	35.91	26.87		1511.2							
	OBS	0385	14.16	35.95	26.90		1512.2							
	OBS	0400	14.03	35.91	26.90		1512.0							
	OBS	0450	12.87	35.66	26.95		1506.6							
	OBS	0500	12.13	35.55	27.01		1506.8							
	OBS	0560	10.83	35.40	27.14		1503.1							
	OBS	0600	10.51	35.36	27.16		1502.5							
	OBS	0640	09.46	35.26	27.27		1499.3							
	OBS	0700	08.73	35.24	27.37		1497.5							
	OBS	0750	08.29	35.25	27.45		1496.7							
	OBS	0770	07.44	35.13	27.48		1493.6							
	OBS	0800	07.19	35.15	27.53		1493.2							
	OBS	0852	06.93	35.17	27.58		1493.0							
	OBS	0873	07.01	35.23	27.62		1493.8							
	OBS	0900	06.83	35.21	27.67		1493.5							
	OBS	0990	05.71	35.08	27.67		1490.4							
	OBS	1000	05.64	35.12	27.71		1490.3							
	OBS	1078	05.54	35.16	27.76		1491.2							
	OBS	1100	05.24	35.10	27.75		1490.3							
	OBS	1180	05.31	35.17	27.79		1492.0							
	OBS	1200	05.31	35.16	27.74		1492.4							
	OBS	01300	04.63	35.07	27.75		1491.1							
	OBS	01400	04.31	35.04	27.81		1491.4							
	OBS	01500	04.13	35.03	27.82		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BUOTOP 04343 AIR TEMP 20.0 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CONSEC 0022 MONTH 06 SHIP DU WET BULB 19.4 DIR 28 2 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 06 DATA USE 1 BAROMETR 1021.6 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 06.0 AREA 05 CLOUD TPA CL/TR WEAHER YX CRIG E42 022 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TCT P	N02	N03	SIG P	PH
06.0	OBS	00000	19.50	36.34	25.92		1522.3							
	OBS	00010	19.44	36.29	25.91		1522.3							
	OBS	00020	19.01	36.30	26.03		1521.3							
	OBS	00030	18.01	36.28	26.27		1518.5							
	OBS	00050	16.80	36.27	26.55		1515.3							
	OBS	00075	16.47	36.26	26.62		1514.7							
	OBS	00100	16.34	36.27	26.65		1514.9							
	OBS	00125	16.27	36.24	26.66		1514.9							
	OBS	00150	16.16	36.23	26.67		1515.0							
	OBS	00180	16.01	36.20	26.69		1515.0							
	OBS	00200	15.57	36.12	26.72		1513.8							
	OBS	00250	14.88	36.00	26.79		1512.3							
	OBS	00270	14.58	35.96	26.82		1511.7							
	OBS	00300	14.42	35.93	26.83		1511.6							
	OBS	00400	13.39	35.76	26.92		1509.7							
	OBS	00466	12.68	35.67	26.99		1508.3							
	OBS	00500	12.05	35.54	27.02		1506.5							
	OBS	00550	11.51	35.47	27.07		1505.4							
	OBS	00600	10.57	35.37	27.16		1502.8							
	OBS	00688	08.96	35.22	27.32		1498.1							
	OBS	00700	08.91	35.42	27.22		1498.2							
	OBS	00740	08.26	35.22	27.43		1496.4							
	OBS	00764	08.11	35.22	27.45		1496.2							
	OBS	00780	07.54	35.15	27.48		1494.2							
	OBS	00800	07.36	35.14	27.50		1493.8							
	OBS	00855	06.93	35.17	27.48		1493.1							
	OBS	00874	07.04	35.23	27.41		1493.9							
	OBS	00900	06.43	35.15	27.44		1491.8							
	OBS	00940	06.21	35.14	27.66		1491.6							
	OBS	00955	5.94	35.11	27.67		1490.7							
	OBS	01000	5.77	35.12	27.70		1490.8							
	OBS	01040	5.67	35.12	27.71		1491.1							
	OBS	01050	5.43	35.08	27.71		1490.2							
	OBS	01100	5.18	35.08	27.74		1490.0							
	OBS	01126	5.09	35.07	27.74		1490.1							
	OBS	01134	04.92	35.04	27.74		1489.5							
	OBS	01200	04.82	35.06	27.76		1490.2							
	OBS	01300	04.44	35.02	27.78		1490.3							
	OBS	01400	04.35	35.02	27.79		1491.5							
	OBS	01500	04.21	35.01	27.79		1492.7							

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REFID 31 8177 YEAR 1970 BUOTOP 04480 AIR TEMP 19.5 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 06 SHIP DU WET BULB 19.5 DIR 19 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 06 DATA USE 1 BAROMETR 1024.4 SEA WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 46 W HOUR 11.6 AREA 05 CLOUD TPA CL/TR WEAHER YX CRIG E42 023 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TCT P	N02	N03	SIG P	PH
11.6	OBS	00000	19.56	36.33	25.91		1522.5							
	OBS	00010	19.52	36.33	25.92		1522.5							
	OBS	00020	19.43	36.32	25.94		1522.4							
	OBS	00030	19.03	36.33	26.05		1521.5							
	OBS	00050	17.31	36.32	26.47		1516.9							
	OBS	00075	16.74	36.31	26.60		1515.6							
	OBS	00100	16.50	36.28	26.63		1515.2							
	OBS	00125	16.36	36.28	26.67		1515.2							
	OBS	00150	16.27	36.26	26.67		1515.3							
	OBS	00200	15.90	36.21	26.74		1514.0							
	OBS	00300	14.46	35.93	26.82		1511.7							
	OBS	00400	13.27	35.75	26.94		1509.3							
	OBS	00450	12.35	35.61	27.01		1506.8							
	OBS	00468	12.31	35.61	27.02		1507.0							
	OBS	00500	11.60	35.50	27.07		1504.9							
	OBS	00543	10.51	35.35	27.15		1501.6							
	OBS	00600	09.51	35.27	27.26		1498.8							
	OBS	00735	08.93	35.24	27.34		1497.2							
	OBS	00660	08.93	35.25	27.34		1497.6							
	OBS	00666	08.78	35.23	27.35		1497.1							
	OBS	00700	08.61	35.26	27.40		1497.1							
	OBS	00718	08.55	35.27	27.42		1497.2							
	OBS	00760	07.96	35.14	27.45		1495.5							
	OBS	00770	07.52	35.16	27.45		1494.0							
	OBS	00768	07.46	35.14	27.48		1494.0							
	OBS	00800	07.14	35.13	27.51		1493.1							
	OBS	00823	06.95	35.17	27.58		1492.6							
	OBS	00868	07.09	35.25	27.42		1494.0							
	OBS	00900	06.46	35.16	27.44		1492.0							
	OBS	00935	05.87	35.10	27.67		1490.1							
	OBS	01000	05.66	35.12	27.71		1490.4							
	OBS	01100	05.14	35.09	27.75		1488.9							
	OBS	01142	05.24	35.13	27.77		1491.1							
	OBS	01150	05.06	35.10	27.77		1490.4							
	OBS	01200	04.76	35.06	27.77		1490.0							
	OBS	01440	04.53	35.04	27.78		1489.7							
	OBS	01300	04.41	35.03	27.79		1490.2							
	OBS	01400	04.19	35.01	27.80		1490.9							
	OBS	01500	04.06	35.00	27.80		1492.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 04471 AIR TEMP 21.2 DIR HGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 06 SHIP OU WET BULB 19.2 20 2 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 06 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 024 1 SQUARE 49

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
18.0	OBS	00000	20.48	36.33	25.67		1525.0							
	OBS	00010	19.56	36.29	25.67		1522.7							
	OBS	00020	18.93	36.32	26.07		1521.1							
	OBS	00030	17.71	36.20	26.28		1517.6							
	OBS	00050	16.77	36.23	26.53		1515.2							
	OBS	00075	16.54	36.29	26.63		1515.0							
	OBS	00090	16.44	36.28	26.65		1515.1							
	OBS	00125	16.29	36.27	26.67		1515.0							
	OBS	00150	16.13	36.24	26.69		1514.9							
	OBS	00200	15.64	36.17	26.75		1514.1							
	OBS	00250	15.08	36.06	26.75		1513.0							
	OBS	00300	14.48	35.96	26.84		1511.8							
	OBS	00400	13.33	35.77	26.94		1509.5							
	OBS	00480	12.18	35.59	27.03		1506.7							
	OBS	00500	12.07	35.60	27.06		1506.7							
	OBS	00600	10.16	35.34	27.21		1501.3							
	OBS	00660	09.00	35.21	27.30		1497.8							
	OBS	00700	08.63	35.23	27.38		1497.1							
	OBS	00750	08.43	35.25	27.42		1497.2							
	OBS	00760	08.16	35.15 P	27.390*									
	OBS	00800	07.27	35.17	27.53		1493.5							
	OBS	00835	06.95	35.16	27.57		1492.8							
	OBS	00865	07.08	35.26	27.63		1494.0							
	OBS	00900	06.42	35.17	27.65		1491.6							
	OBS	00975	05.71	35.10	27.69		1490.1							
	OBS	00988	05.81	35.15	27.72		1490.8							
	OBS	01000	05.79	35.15	27.72		1490.9							
	OBS	01100	05.22	35.11	27.76		1490.2							
	OBS	01135	05.04	35.09	27.76		1490.1							
	OBS	01145	05.24	35.12	27.76		1491.1							
	OBS	01170	04.93	35.09	27.78		1490.2							
	OBS	01200	04.82	35.07	27.77		1490.2							
	OBS	01300	04.44	35.03	27.78		1490.3							
	OBS	01400	04.30	35.04	27.61		1491.4							
	OBS	01500	04.07	35.01	27.61		1492.1							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 19.9 DIR HGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 06 SHIP OU WET BULB 18.7 19 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 57 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER Y1 ORIG E42 025 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
00.0	OBS	00000	20.23	36.34	25.74		1524.3							
	OBS	00010	19.74	36.33	25.86		1523.1							
	OBS	00020	19.36	36.32	25.95		1522.3							
	OBS	00030	17.68	36.23	26.31		1517.5							
	OBS	00050	16.78	36.31	26.59		1515.3							
	OBS	00075	16.58	36.31	26.64		1515.1							
	OBS	00100	16.53	36.32	26.66		1515.4							
	OBS	00125	16.33	36.28	26.67		1515.1							
	OBS	00150	16.16	36.25	26.69		1515.0							
	OBS	00200	15.71	36.18	26.74		1514.3							
	OBS	00250	15.07	36.08	26.81		1513.0							
	OBS	00300	14.51	35.99	26.86		1512.0							
	OBS	00350	13.64	35.80	26.90		1509.7							
	OBS	00400	13.31	35.79	26.96		1509.4							
	OBS	00460	12.00	35.55	27.03		1505.7							
	OBS	00500	11.49	35.49	27.08		1504.5							
	OBS	00600	09.82	35.32	27.25		1500.0							
	OBS	00655	09.02	35.24	27.32		1497.9							
	OBS	00700	08.58	35.25	27.40		1497.0							
	OBS	00730	08.26	35.25	27.45		1496.2							
	OBS	00750	07.68	35.15	27.46		1494.2							
	OBS	00800	07.16	35.15	27.53		1493.0							
	OBS	00812	07.01	35.16	27.56		1492.7							
	OBS	00840	07.23	35.28	27.63		1494.2							
	OBS	00900	06.43	35.15	27.64		1491.8							
	OBS	00914	06.02	35.11	27.66		1490.4							
	OBS	00955	06.08	35.16	27.69		1491.4							
	OBS	01000	05.50	35.09	27.71		1489.7							
	OBS	01044	05.43	35.08	27.71		1490.1							
	OBS	01055	05.65	35.16	27.74		1491.3							
	OBS	01100	05.28	35.11	27.75		1490.5							
	OBS	01150	04.92	35.07	27.76		1489.8							
	OBS	01170	04.99	35.10	27.78		1490.5							
	OBS	01200	04.76	35.06	27.77		1490.0							
	OBS	01300	04.37	35.02	27.78		1490.0							
	OBS	01400	04.21	35.01	27.79		1491.0							
	OBS	01500	04.01	35.00	27.61		1491.8							

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TABLE XXI.—Continued

REF ID A1 6177 YEAR 1970 BOTDP 04755 AIP TEMP 20.0 OIR HGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1206  
 CGNSEC C026 MONTH 06 SHIP DU WET BULB 19.5 20 1 3 WIND-SPO 03 TRACE OIR 0 5 SQUARE 2  
 LAT 54 51 N DAY 07 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG F42 026 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
06.0	085	00000	20.08	36.36	25.80		1523.9							
	085	00010	19.86	36.31	25.62		1523.5							
	085	00020	19.46	36.31	25.92		1522.5							
	085	00030	18.83	36.26	26.04		1520.9							
	085	00050	17.11	36.31	26.51		1516.3							
	085	00075	16.73	36.33	26.62		1515.6							
	085	00100	16.51	36.28	26.63		1515.3							
	085	00125	16.34	36.28	26.67		1515.2							
	085	00150	16.13	36.24	26.69		1514.9							
	085	00200	15.35	36.09	26.75		1513.1							
	085	00250	14.71	35.99	26.82		1511.8							
	085	00300	14.29	35.94	26.87		1511.2							
	085	00331	13.93	35.89	26.91		1510.5							
	085	00357	14.14	35.96	26.92		1511.7							
	085	00372	14.11	35.95	26.91		1511.8							
	085	00400	13.81	35.87	26.92		1511.2							
	085	00410	13.35	35.76	26.93		1509.7							
	085	00509	11.65	35.51	27.07		1505.1							
	085	00600	09.74	35.30	27.25		1499.7							
	085	00635	09.10	35.27	27.33		1497.9							
	085	00652	09.21	35.32	27.35		1498.6							
	085	00700	08.81	35.31	27.41		1497.9							
	085	00720	08.51	35.27	27.43		1497.1							
	085	00740	07.81	35.20	27.48		1494.6							
	085	00751	07.61	35.18	27.49		1494.0							
	085	00800	07.26	35.20	27.56		1493.5							
	085	00831	07.13	35.27	27.63		1493.6							
	085	00850	07.07	35.25	27.63		1493.7							
	085	00860	06.65	35.19	27.64		1492.1							
	085	00890	06.36	35.14	27.64		1491.4							
	085	00900	06.21	35.14	27.66		1490.9							
	085	00925	06.06	35.13	27.67		1490.8							
	085	00950	06.19	35.19	27.70		1491.8							
	085	01000	05.60	35.11	27.71		1490.1							
	085	01010	05.36	35.11	27.74		1489.3							
	085	01018	05.81	35.17	27.73		1491.3							
	085	01100	05.41	35.14	27.76		1491.1							
	085	01200	04.76	35.06	27.77		1490.0							
	085	01270	04.55	35.05	27.79		1490.3							
	085	01275	04.63	35.07	27.79		1490.7							
	085	01300	04.61	35.06	27.79		1491.0							
	085	01320	04.61	35.06	27.79		1491.4							
	085	01350	04.22	35.00	27.78		1490.2							
	085	01400	04.22	35.00	27.78		1491.0							
	085	01500	04.01	34.99	27.80		1491.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04444 AIR TEMP 20.0 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CONSEC 0027 MONTH 06 SHIP DU WET BULB 19.5 30 1 3 WIND-SPO 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1029.1 SEA WIND-FDP DURATION 00.3 2 SQUARE 48  
 LONG 048 02 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 027 1 SQUARE 48

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.8	OBS	00000	20.47	36.34	25.68		1525.0							
	OBS	00010	20.36	36.31	25.68		1524.8							
	OBS	00020	19.94	36.31	25.79		1523.8							
	OBS	00030	19.12	36.24	25.96		1521.7							
	OBS	00050	17.42	36.30	26.43		1517.2							
	OBS	00075	16.97	36.33	26.56		1516.3							
	OBS	00100	16.72	36.29	26.59		1515.9							
	OBS	00125	16.42	36.27	26.64		1515.4							
	OBS	00150	16.26	36.25	26.67		1515.3							
	OBS	00200	15.80	36.17	26.71		1514.6							
	OBS	00250	15.31	36.10	26.77		1513.8							
	OBS	00300	14.58	35.97	26.83		1512.2							
	OBS	00400	13.25	35.72	26.92		1509.2							
	OBS	00500	11.79	35.53	27.06		1505.6							
	OBS	00540	11.10	35.43	27.11		1503.7							
	OBS	00575	10.28	35.36	27.20		1501.3							
	OBS	00600	09.77	35.28	27.23		1499.8							
	OBS	00640	09.15	35.20	27.27		1498.0							
	OBS	00655	08.63	35.13	27.33		1495.5							
	OBS	00673	08.64	35.22	27.37		1496.7							
	OBS	00685	08.42	35.19	27.38		1496.0							
	OBS	00700	08.42	35.23	27.41		1496.3							
	OBS	00710	08.13	35.21	27.44		1495.4							
	OBS	00731	07.99	35.18	27.44		1495.1							
	OBS	00740	07.67	35.15	27.46		1494.0							
	OBS	00800	07.10	35.17	27.56		1492.8							
	OBS	00815	06.94	35.15	27.57		1492.4							
	OBS	00840	06.89	35.19	27.60		1492.7							
	OBS	00856	07.00	35.24	27.63		1493.5							
	OBS	00891	06.77	35.23	27.65		1493.1							
	OBS	00900	06.63	35.20	27.65		1492.7							
	OBS	00980	05.72	35.15	27.73		1490.3							
	OBS	01000	05.73	35.15	27.73		1490.7							
	OBS	01029	05.66	35.14	27.73		1490.9							
	OBS	01048	05.41	35.12	27.74		1490.2							
	OBS	01060	05.47	35.14	27.75		1490.6							
	OBS	01100	05.18	35.10	27.75		1490.1							
	OBS	01200	04.72	35.08	27.79		1489.8							
	OBS	01260	04.50	35.07	27.81		1489.9							
	OBS	01278	04.50	35.07	27.81		1490.2							
	OBS	01285	04.59	35.10	27.82		1490.7							
	OBS	01300	04.51	35.08	27.82		1490.6							
	OBS	01332	04.23	35.03	27.81		1489.9							
	OBS	01400	04.15	35.04	27.82		1490.8							
	OBS	01421	04.19	35.05	27.83		1491.3							
	OBS	01500	04.08	35.02	27.82		1492.1							

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REFID 31 8177 YEAR 1970 BOTOP 04847 AIR TEMP 20.9 DIP HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206  
 CONSEC 0028 MONTH 06 SHIP DU WET BULB 18.2 31 WIND-SPD 02 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 07 DATA USE 1 BAROMETR 1029.1 SEA 3 WIND-FDP DURATION 00.4 2 SQUARE 46  
 LONG 047 40 W HOUR 18.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 028 1 SQUARE 47

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.6	OBS	00000	21.05	36.28	25.47		1526.4							
	OBS	00010	20.13	36.27	25.71		1524.1							
	OBS	00020	19.51	36.32	25.92		1522.7							
	OBS	00030	19.06	36.31	26.02		1521.6							
	OBS	00050	17.42	36.25	26.39		1517.1							
	OBS	00075	16.55	36.23	26.58		1514.9							
	OBS	00100	16.46	36.23	26.60		1515.1							
	OBS	00125	16.23	36.21	26.64		1514.7							
	OBS	00150	16.21	36.23	26.66		1515.1							
	OBS	00170	16.13	36.22	26.67		1515.2							
	OBS	00200	15.51	36.11	26.73		1513.6							
	OBS	00250	14.49	35.92	26.81		1511.0							
	OBS	00300	13.66	35.80	26.86		1509.0							
	OBS	00340	13.36	35.75	26.92		1508.6							
	OBS	00390	12.30	35.57	26.99		1505.6							
	OBS	00400	12.23	35.58	27.01		1505.5							
	OBS	00440	11.93	35.54	27.04		1505.1							
	OBS	00500	10.75	35.39	27.14		1501.8							
	OBS	00600	08.61	35.13	27.30		1495.3							
	OBS	00610	08.52	35.14	27.32		1495.1							
	OBS	00620	08.65	35.23	27.37		1496.0							
	OBS	00670	08.16	35.13	27.47		1494.7							
	OBS	00685	08.25	35.22	27.43		1495.4							
	OBS	00700	08.19	35.22	27.44		1495.4							
	OBS	00760	07.34	35.16	27.52		1493.1							
	OBS	00775	07.33	35.19	27.54		1493.3							
	OBS	00800	07.00	35.16	27.57		1492.4							
	OBS	00870	06.81	35.23	27.65		1492.9							
	OBS	00900	06.46	35.20	27.67		1492.0							
	OBS	00960	05.68	35.10	27.64		1489.8							
	OBS	01000	05.71	35.15	27.73		1490.6							
	OBS	01100	04.57	35.06	27.75		1489.2							
	OBS	01200	04.61	35.03	27.77		1489.3							
	OBS	01300	04.40	35.00	27.76		1490.1							
	OBS	01400	04.18	34.99	27.78		1490.8							
	OBS	01500	04.01	34.97	27.78		1491.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04847 AIR TEMP 19.8 OIR HGT PER WIND-DIP 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0029 MONTH 06 SHIP DU WET BULB 16.5 31 2 3 WIND-SPO 09 TRACE DIP D 5 SQUARE 2  
 LAT 34 47 N DAY 07 DATA USE 1 BAROMETR 1030.4 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 43 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG F42 029 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
23.7	OBS	0000	20.93	36.36	25.57		1526.2							
	OBS	0010	20.14	36.34	25.76		1524.2							
	OBS	0020	19.53	36.33	25.92		1522.7							
	OBS	0030	19.01	36.32	26.04		1521.4							
	OBS	0050	16.86	36.19	26.48		1515.4							
	OBS	0075	16.51	36.22	26.58		1514.8							
	OBS	0100	16.47	36.24	26.61		1515.1							
	OBS	0125	16.30	36.24	26.65		1515.0							
	OBS	0150	16.24	36.23	26.65		1515.2							
	OBS	0200	16.01	36.17	26.66		1515.2							
	OBS	0250	14.66	35.95	26.80		1511.6							
	OBS	0300	13.95	35.85	26.87		1510.0							
	OBS	0400	12.41	35.58	26.98		1506.2							
	OBS	0500	10.76	35.35	27.11		1501.8							
	OBS	0600	08.78	35.13	27.27		1495.9							
	OBS	0605	08.69	35.15	27.30		1495.7							
	OBS	0610	08.87	35.19	27.31		1496.5							
	OBS	0649	08.20	35.10	27.34		1494.5							
	OBS	0655	08.38	35.25	27.43		1495.5							
	OBS	0700	08.12	35.22	27.45		1495.2							
	OBS	0770	07.18	35.15	27.53		1492.6							
	OBS	0800	07.04	35.20	27.59		1492.6							
	OBS	0900	06.65	35.23	27.67		1492.8							
	OBS	0990	05.62	35.10	27.70		1490.0							
	OBS	01000	05.70	35.12	27.71		1490.5							
	OBS	01010	05.74	35.16	27.73		1490.9							
	OBS	01100	05.01	35.07	27.75		1489.3							
	OBS	01200	04.60	35.02	27.77		1488.8							
	OBS	01222	04.48	35.03	27.78		1489.1							
	OBS	01250	04.31	35.01	27.78		1488.9							
	OBS	01300	04.30	35.01	27.78		1489.7							
	OBS	01400	04.18	35.00	27.79		1490.8							
	OBS	01500	04.07	34.99	27.79		1492.0							

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REFID 31 8177 YEAR 1970 BOTOP 04114 AIR TEMP 18.4 OIR HGT PER WIND-OIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0030 MONTH 06 SHIP DU WET BULB 16.7 31 1 2 WIND-SPO 07 TRACE DIR D 5 SQUARE 2  
 LAT 34 58 N DAY 08 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 56 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E42 030 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
06.0	OBS	0000	20.08	36.41	25.83		1524.0							
	OBS	0010	19.61	36.39	25.94		1522.9							
	OBS	0020	19.26	36.37	26.02		1522.0							
	OBS	0030	18.95	36.36	26.09		1521.3							
	OBS	0050	17.31	36.28	26.44		1516.8							
	OBS	0075	16.83	36.32	26.58		1515.9							
	OBS	0100	16.45	36.25	26.62		1515.0							
	OBS	0125	16.34	36.28	26.67		1515.2							
	OBS	0150	16.05	36.21	26.68		1514.6							
	OBS	0200	15.53	36.12	26.73		1513.7							
	OBS	0250	15.10	36.05	26.78		1513.1							
	OBS	0265	14.84	36.00	26.80		1512.5							
	OBS	0300	14.71	36.03	26.85		1512.7							
	OBS	0332	14.34	35.92	26.84		1511.9							
	OBS	0400	13.80	35.63	26.89		1511.1							
	OBS	0500	12.77	35.64	26.95		1509.1							
	OBS	0553	12.15	35.59	27.04		1507.8							
	OBS	0600	11.16	35.42	27.09		1504.9							
	OBS	0700	09.34	35.23	27.26		1499.8							
	OBS	0719	09.11	35.22	27.29		1499.2							
	OBS	0738	08.51	35.15	27.33		1497.2							
	OBS	0760	08.41	35.19	27.38		1497.2							
	OBS	0775	07.58	35.13	27.46		1494.2							
	OBS	0782	07.73	35.20	27.49		1495.0							
	OBS	0800	07.73	35.21	27.50		1495.3							
	OBS	0821	07.70	35.21	27.50		1495.6							
	OBS	0826	07.51	35.19	27.52		1494.9							
	OBS	0875	07.01	35.16	27.56		1493.7							
	OBS	0900	06.90	35.17	27.59		1493.7							
	OBS	0950	06.67	35.19	27.63		1493.7							
	OBS	01000	05.99	35.10	27.65		1491.7							
	OBS	01007	05.81	35.09	27.67		1491.1							
	OBS	01020	05.75	35.08	27.67		1491.0							
	OBS	01055	05.93	35.16	27.71		1492.4							
	OBS	01100	05.71	35.12	27.71		1492.2							
	OBS	01112	05.52	35.09	27.71		1491.6							
	OBS	01200	05.13	35.08	27.74		1491.5							
	OBS	01244	04.75	35.04	27.76		1490.6							
	OBS	01300	04.51	35.02	27.77		1490.6							
	OBS	01400	04.27	35.01	27.79		1491.2							
	OBS	01500	04.16	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02853 AIR TEMP 19.0 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0031 MONTH 06 SHIP GU WET BULB 16.7 03 2 3 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1029.8 SEA CL/TP WIND-FUR OUPATTJN 2 SQUARE 48  
 LONG 048 05 W HOUR 11.8 AREA 05 CLOUD T/4 CL/TP WEATHER X1 DRIG 542 031 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00000	20.05	36.41	25.14		1523.9							
	OBS	00010	20.01	36.41	25.15		1524.0							
	OBS	00020	19.60	36.39	25.14		1524.0							
	OBS	00030	19.46	36.37	25.14		1522.8							
	OBS	00050	18.88	36.36	25.11		1521.9							
	OBS	00075	17.20	36.34	25.11		1517.0							
	OBS	00100	16.83	36.32	25.18		1516.3							
	OBS	00125	16.54	36.28	25.22		1515.8							
	OBS	00150	16.12	36.21	25.27		1514.8							
	OBS	00200	15.68	36.16	25.31		1514.2							
	OBS	00250	15.35	36.10	25.37		1513.9							
	OBS	00300	14.86	36.00	25.45		1513.1							
	OBS	00310	14.69	35.97	25.48		1512.7							
	OBS	00400	13.89	35.84	25.48		1511.4							
	OBS	00451	13.13	35.72	25.54		1509.6							
	OBS	00456	13.25	35.60	25.98		1510.2							
	OBS	00500	12.51	35.62	26.95		1508.2							
	OBS	00600	11.13	35.45	27.12		1504.9							
	OBS	00700	08.61	35.16	27.33		1497.0							
	OBS	00709	08.54	35.17	27.44		1496.9							
	OBS	00712	08.62	35.23	27.38		1497.3							
	OBS	00751	07.68	35.11	27.43		1494.2							
	OBS	00775	07.89	35.23	27.49		1495.6							
	OBS	00800	07.61	35.20	27.51		1494.9							
	OBS	00900	06.81	35.20	27.62		1493.4							
	OBS	00958	06.35	35.16	27.65		1492.5							
	OBS	00987	06.03	35.14	27.68		1491.7							
	OBS	01000	05.76	35.09	27.73		1490.7							
	OBS	01011	05.59	35.08	27.69		1490.2							
	OBS	01100	05.21	35.07	27.73		1490.2							
	OBS	01130	05.06	35.06	27.74		1490.0							
	OBS	01200	05.01	35.08	27.75		1491.0							
	OBS	01217	04.92	35.06	27.75		1490.9							
	OBS	01235	05.04	35.11	27.78		1491.8							
	OBS	01300	04.67	35.06	27.78		1491.3							
	OBS	01370	04.39	35.02	27.78		1491.2							
	OBS	01380	04.47	35.05	27.70		1491.8							
	OBS	01400	04.41	35.04	27.60		1491.8							
	OBS	01500	04.18	35.01	27.60		1492.5							

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REFID 31 8177 YEAR 1970 BOTDP 02286 AIR TEMP 20.0 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 06 SHIP GU WET BULB 16.4 36 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 08 DATA USE 1 BAROMETR 1028.8 SEA 3 WIND-FUR OUPATTJN 09.4 2 SQUARE 48  
 LONG 048 04 W HOUR 18.1 AREA 05 CLOUD T/4 CL/TP WEATHER X1 CRIG 542 032 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	OBS	00000	20.38	36.42	25.76		1524.8							
	OBS	00010	19.86	36.39	25.87		1523.5							
	OBS	00020	19.03	36.37	26.08		1521.4							
	OBS	00030	17.88	36.36	26.36		1518.3							
	OBS	00050	17.16	36.35	26.43		1516.5							
	OBS	00075	16.87	36.37	26.61		1516.0							
	OBS	00100	15.66	36.33	27.43		1515.8							
	OBS	00125	16.60	36.33	26.65		1516.0							
	OBS	00150	16.41	36.29	26.66		1515.8							
	OBS	00200	15.98	36.20	26.69		1515.2							
	OBS	00250	15.49	36.14	26.76		1514.4							
	OBS	00300	15.03	36.05	26.79		1513.7							
	OBS	00400	14.08	35.91	26.89		1512.1							
	OBS	00420	14.04	35.90	26.89		1512.3							
	OBS	00500	12.66	35.75	26.98		1509.7							
	OBS	00600	10.93	35.58	27.10		1504.1							
	OBS	00700	08.90	35.19	27.30		1498.1							
	OBS	00720	08.31	35.11	27.33		1496.1							
	OBS	00740	08.48	35.25	27.42		1497.2							
	OBS	00770	08.47	35.27	27.43		1497.7							
	OBS	00800	07.51	35.09	27.44		1494.3							
	OBS	00810	07.36	35.13	27.49		1494.0							
	OBS	00820	07.61	35.21	27.52		1495.2							
	OBS	00870	07.00	35.15	27.56		1493.6							
	OBS	00900	06.88	35.20	27.61		1493.7							
	OBS	00930	06.83	35.21	27.63		1494.0							
	OBS	01000	06.14	35.15	27.67		1492.3							
	OBS	01042	05.59	35.06	27.70		1490.8							
	OBS	01070	05.74	35.15	27.73		1491.9							
	OBS	01100	05.51	35.11	27.72		1491.4							
	OBS	01200	05.08	35.09	27.76		1491.3							
	OBS	01300	04.54	35.04	27.78		1490.7							
	OBS	01400	04.27	35.02	27.79		1491.2							
	OBS	01500	04.15	35.02	27.81		1492.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BDTOP 04536 AIR TEMP 19.6 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CONSEC 0333 MONTH 06 SHIP OU WET BULB 16.4 05 2 3 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N OAY 08 DATA USE 1 BAROMETR 1028.6 SEA WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 033 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.8	DBS	00000	20.59	36.42	25.70		1525.4							
	DBS	00010	20.42	36.38	25.72		1525.0							
	DBS	00020	19.77	36.36	25.88		1523.4							
	DBS	00030	19.37	36.37	25.99		1522.5							
	DBS	00050	18.77	36.34	26.12		1521.1							
	DBS	00075	16.87	36.28	26.54		1515.9							
	DBS	00100	16.62	36.29	26.61		1515.6							
	DBS	00115	16.34	36.24	26.64		1514.9							
	DBS	00125	16.44	36.31	26.67		1515.5							
	DBS	00150	16.12	36.23	26.68		1514.8							
	DBS	00200	15.67	36.15	26.72		1514.2							
	DBS	00250	15.42	36.09	26.74		1514.1							
	DBS	00300	14.66	35.98	26.82		1512.4							
	DBS	00400	13.53	35.77	26.90		1510.1							
	DBS	00500	12.27	35.61	27.03		1507.4							
	DBS	00600	10.37	35.34	27.17		1502.0							
	DBS	00700	08.59	35.13	27.30		1496.8							
	DBS	00712	08.65	35.22	27.37		1497.4							
	DBS	00750	07.64	35.10	27.43		1494.0							
	DBS	00775	07.91	35.22	27.48		1495.6							
	DBS	00800	07.42	35.16	27.51		1494.1							
	DBS	00860	06.98	35.17	27.58		1493.4							
	DBS	00880	07.04	35.22	27.61		1494.0							
	DBS	00900	06.77	35.20	27.63		1493.2							
	DBS	01000	05.62	35.08	27.68		1490.2							
	DBS	01010	05.59	35.09	27.70		1490.2							
	DBS	01020	05.71	35.13	27.71		1490.9							
	DBS	01045	05.47	35.09	27.71		1490.3							
	DBS	01065	05.59	35.14	27.74		1491.2							
	DBS	01100	05.17	35.08	27.74		1490.0							
	DBS	01170	04.87	35.05	27.75		1489.9							
	DBS	01175	04.95	35.08	27.77		1490.4							
	DBS	01200	04.62	35.01	27.76		1489.3							
	DBS	01228	04.54	35.02	27.76		1489.5							
	DBS	01233	04.65	35.04	27.77		1490.0							
	DBS	01250	04.56	35.02	27.76		1489.9							
	DBS	01275	04.62	35.05	27.78		1490.6							
	DBS	01300	04.52	35.04	27.78		1490.6							
	DBS	01345	04.70	35.08	27.79		1492.2							
	DBS	01361	04.51	35.04	27.78		1491.6							
	DBS	01390	04.56	35.06	27.79		1492.3							
	DBS	01400	04.48	35.05	27.80		1492.1							
	DBS	01500	04.27	35.02	27.79		1492.9							

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REFID 31 8177 YEAR 1970 BDTOP 04480 AIR TEMP 17.0 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 06 SHIP OU WET BULB 17.3 05 1 2 WIND-SPO 02 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 09 DATA USE 1 BAROMETR 1027.1 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 034 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.0	DBS	00000	20.31	36.41	25.77		1524.0							
	DBS	00010	19.66	36.34	25.89		1522.9							
	DBS	00020	19.41	36.34	25.46		1522.4							
	DBS	00030	18.76	36.24	26.05		1520.6							
	DBS	00050	17.22	36.32	26.49		1516.6							
	DBS	00075	16.95	36.36	26.59		1516.3							
	DBS	00100	16.65	36.30	26.71		1515.7							
	DBS	00125	16.45	36.28	26.54		1515.5							
	DBS	00150	16.24	36.24	26.66		1515.2							
	DBS	00200	15.83	36.16	26.70		1514.7							
	DBS	00250	15.53	36.12	26.73		1514.5							
	DBS	00300	15.06	36.04	26.78		1513.8							
	DBS	00340	14.48	35.94	26.83		1512.5							
	DBS	00400	13.99	35.88	26.85		1511.8							
	DBS	00470	12.66	35.61	26.95		1508.2							
	DBS	00480	12.87	35.68	26.96		1509.2							
	DBS	00500	12.41	35.60	26.99		1507.8							
	DBS	00600	10.56	35.36	27.15		1502.7							
	DBS	00690	09.16	35.23	27.25		1498.9							
	DBS	00700	08.69	35.20	27.34		1497.3							
	DBS	00740	08.35	35.20	27.40		1496.7							
	DBS	00750	07.81	35.11	27.41		1494.7							
	DBS	00765	07.90	35.21	27.47		1495.4							
	DBS	00800	07.69	35.21	27.51		1495.2							
	DBS	00820	07.51	35.19	27.52		1494.8							
	DBS	00830	07.18	35.14	27.52		1493.6							
	DBS	00900	06.79	35.20	27.63		1493.3							
	DBS	00950	06.32	35.16	27.66		1492.2							
	DBS	01000	05.62	35.08	27.68		1490.2							
	DBS	01024	05.54	35.08	27.69		1490.2							
	DBS	01080	05.64	35.13	27.72		1491.6							
	DBS	01100	05.49	35.10	27.72		1491.3							
	DBS	01170	05.04	35.07	27.75		1490.6							
	DBS	01200	05.19	35.12	27.77		1491.8							
	DBS	01230	05.06	35.11	27.78		1491.8							
	DBS	01240	04.76	35.06	27.77		1490.6							
	DBS	01300	04.65	35.05	27.78		1491.2							
	DBS	01400	04.44	35.03	27.78		1492.0							
	DBS	01460	04.27	35.02	27.76		1492.2							
	DBS	01500	04.26	35.02	27.80		1492.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 02377 AIR TEMP 19.9 DIR HGT PER WIND-DIR 00 INST STO RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 06 SHIP GU WFT BULB 15.9 JO 0 3 WIND-SPO 00 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR 00.3 DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 035 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
11.8	085	00000	20.47	36.47	25.77		1525.1							
	085	00010	20.04	36.46	25.88		1524.1							
	085	00020	19.83	36.44	25.92		1523.7							
	085	00030	19.11	36.43	26.10		1521.8							
	085	00050	17.61	36.41	26.47		1517.9							
	085	00075	17.18	36.39	26.55		1517.0							
	085	00100	16.45	36.37	26.55		1516.7							
	085	00125	16.62	36.35	26.62		1516.0							
	085	00150	16.46	36.34	26.64		1515.9							
	085	00180	16.12	36.31	26.67		1515.5							
	085	00200	16.21	36.26	26.68		1516.0							
	085	00250	15.74	36.17	26.72		1515.2							
	085	00300	15.04	36.03	26.77		1513.7							
	085	00340	14.56	35.95	26.82		1512.7							
	085	00400	14.15	35.89	26.86		1512.3							
	085	00480	13.17	35.72	26.93		1510.2							
	085	00500	12.56	35.61	26.97		1508.4							
	085	00560	11.16	35.41	27.08		1504.3							
	085	00600	10.54	35.32	27.13		1502.6							
	085	00608	10.41	35.33	27.16		1502.3							
	085	00612	10.56	35.36	27.15		1502.9							
	085	00680	08.65	35.17	27.23		1497.0							
	085	00691	08.45	35.18	27.23		1497.0							
	085	00700	08.45	35.15	27.24		1495.6							
	085	00710	08.23	35.13	27.26		1495.3							
	085	00740	08.43	35.27	27.44		1497.1							
	085	00768	08.26	35.25	27.45		1496.9							
	085	00790	07.55	35.13	27.46		1494.6							
	085	00800	07.56	35.16	27.48		1494.6							
	085	00830	07.41	35.19	27.53		1494.6							
	085	00850	06.58	35.20	27.58		1493.2							
	085	00900	06.83	35.20	27.62		1493.5							
	085	00941	06.50	35.17	27.64		1492.8							
	085	01000	05.69	35.09	27.68		1490.5							
	085	01042	05.91	35.16	27.71		1492.1							
	085	01100	05.51	35.11	27.72		1491.4							
	085	01200	05.04	35.08	27.76		1491.1							
	085	01245	04.61	35.02	27.76		1490.0							
	085	01300	04.53	35.05	27.79		1490.7							
	085	01330	04.31	35.02	27.79		1490.2							
	085	01400	04.20	35.01	27.79		1490.9							
	085	01500	04.11	35.01	27.80		1492.2							

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REFID 31 8177 YEAR 1970 BOTDP 04481 AIR TEMP 21.2 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0036 MONTH 06 SHIP GU WFT BULB 16.2 JO 0 3 WIND-SPO 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR 00.5 DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 036 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
17.9	085	00000	20.79	36.44	25.67		1525.9							
	085	00010	19.90	36.39	25.67		1523.7							
	085	00020	19.20	36.34	26.01		1521.8							
	085	00030	18.82	36.34	26.11		1520.9							
	085	00050	17.05	36.30	26.52		1516.1							
	085	00075	16.74	36.31	26.60		1515.6							
	085	00100	16.54	36.29	26.63		1515.4							
	085	00125	16.35	36.27	26.66		1515.2							
	085	00150	16.21	36.26	26.68		1515.1							
	085	00170	16.19	36.26	26.69		1515.4							
	085	00200	15.76	36.17	26.72		1514.5							
	085	00250	15.45	36.14	26.77		1514.3							
	085	00300	14.95	36.05	26.81		1513.4							
	085	00400	13.77	35.85	26.91		1511.0							
	085	00500	12.24	35.57	27.00		1507.2							
	085	00520	11.85	35.51	27.03		1506.1							
	085	00523	11.95	35.59	27.07		1506.6							
	085	00600	10.57	35.38	27.17		1502.8							
	085	00672	08.55	35.17	27.34		1496.3							
	085	00700	08.39	35.20	27.39		1496.2							
	085	00720	08.23	35.19	27.41		1495.9							
	085	00730	08.32	35.26	27.45		1496.5							
	085	00770	07.50	35.19	27.52		1493.9							
	085	00791	07.52	35.21	27.53		1494.4							
	085	00800	07.44	35.20	27.53		1494.2							
	085	00820	07.00	35.16	27.57		1492.8							
	085	00845	06.97	35.21	27.61		1493.1							
	085	00900	06.13	35.12	27.65		1490.6							
	085	00920	05.87	35.08	27.65		1489.8							
	085	00980	05.80	35.13	27.70		1490.6							
	085	01000	05.52	35.10	27.71		1489.8							
	085	01020	05.33	35.07	27.71		1489.3							
	085	01030	05.48	35.14	27.75		1490.2							
	085	01090	05.12	35.08	27.75		1489.6							
	085	01095	05.20	35.10	27.75		1490.1							
	085	01100	05.15	35.08	27.74		1489.9							
	085	01130	04.90	35.06	27.76		1489.4							
	085	01200	04.59	35.03	27.77		1489.2							
	085	01220	04.49	35.02	27.77		1489.1							
	085	01285	04.43	35.03	27.79		1490.0							
	085	01300	04.52	35.06	27.80		1490.6							
	085	01400	04.12	35.00	27.79		1490.6							
	085	01450	04.08	34.99	27.79		1491.2							
	085	01460	04.26	35.03	27.80		1492.2							
	085	01500	04.22	35.02	27.80		1492.7							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 04709	AIR TEMP 19.6	OIR HGT PER	WIND-OIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0037	MONTH 06	SHIP DU	WET BULB 16.9	27 1 3	WIND-SPD 05	TRACE OIR 0	5 SQUARE 2
LAT 34 56 N	DAY 10	DATA USE 1	BAROMETR 1023.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 04 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG E42 037	1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	20.68	36.42	25.68		1525.6							
	OBS	00010	20.53	36.41	25.71		1525.4							
	OBS	00020	19.36	36.34	25.97		1522.3							
	OBS	00030	18.58	36.27	26.12		1520.2							
	OBS	00050	17.01	36.32	26.54		1516.0							
	OBS	00075	16.69	36.32	26.62		1515.4							
	OBS	00100	16.46	36.30	26.66		1515.1							
	OBS	00125	16.26	36.26	26.67		1514.9							
	OBS	00150	16.05	36.22	26.69		1514.6							
	OBS	00200	15.48	36.13	26.75		1513.6							
	OBS	00250	14.87	36.02	26.80		1512.3							
	OBS	00300	14.34	35.94	26.86		1511.4							
	OBS	00400	13.08	35.73	26.96		1508.6							
	OBS	00430	12.86	35.68	26.97		1508.3							
	OBS	00500	11.57	35.49	27.07		1504.8							
	OBS	00510	11.69	35.55	27.09		1505.5							
	OBS	00600	09.55	35.25	27.24		1498.9							
	OBS	00700	08.31	35.22	27.42		1495.9							
	OBS	00720	07.63	35.13	27.45		1493.5							
	OBS	00735	07.84	35.20	27.47		1494.7							
	OBS	00775	07.17	35.15	27.53		1492.7							
	OBS	00800	07.13	35.19	27.57		1493.0							
	OBS	00855	06.98	35.22	27.62		1493.3							
	OBS	00900	06.21	35.15	27.66		1491.0							
	OBS	00939	05.65	35.07	27.67		1489.3							
	OBS	00962	05.49	35.07	27.69		1489.0							
	OBS	00980	05.64	35.12	27.71		1490.0							
	OBS	01000	05.43	35.09	27.72		1489.4							
	OBS	01040	05.10	35.06	27.73		1488.7							
	OBS	01100	05.15	35.10	27.76		1489.9							
	OBS	01200	04.80	35.07	27.78		1490.1							
	OBS	01300	04.43	35.03	27.79		1490.2							
	OBS	01400	04.22	35.01	27.79		1491.0							
	OBS	01410	04.24	35.02	27.80		1491.3							
	OBS	01500	04.05	35.00	27.80		1492.0							

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REFID 31 8177	YEAR 1970	BOTOP 04755	AIR TEMP 19.5	OIR HGT PER	WIND-OIR 35	INST STD RECORDER	TEN SQ 1206
CONSEC 0038	MONTH 06	SHIP DU	WET BULB 16.9	36 2 2	WIND-SPD 16	TRACE OIR 0	5 SQUARE 2
LAT 34 59 N	DAY 10	DATA USE 1	BAROMETR 1023.6	SEA	WIND-FDP	DURATION 00.5	2 SQUARE 48
LONG 048 01 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG E42 G38	1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	20.46	36.42	25.74		1525.0							
	OBS	00010	19.81	36.37	25.67		1523.4							
	OBS	00020	19.25	36.37	26.02		1522.0							
	OBS	00030	18.51	36.31	26.16		1520.0							
	OBS	00050	16.99	36.32	26.55		1515.9							
	OBS	00075	16.76	36.30	26.59		1515.6							
	OBS	00100	16.49	36.28	26.63		1515.2							
	OBS	00125	16.33	36.26	26.66		1515.1							
	OBS	00150	16.25	36.27	26.68		1515.3							
	OBS	00200	15.56	36.13	26.73		1513.8							
	OBS	00250	15.16	36.07	26.78		1513.3							
	OBS	00300	14.52	35.95	26.83		1511.9							
	OBS	00400	13.36	35.77	26.93		1509.6							
	OBS	00460	12.71	35.68	27.00		1508.3							
	OBS	00500	11.67	35.51	27.07		1505.2							
	OBS	00510	11.74	35.55	27.08		1505.6							
	OBS	00590	10.21	35.34	27.20		1501.3							
	OBS	00600	09.74	35.26	27.22		1499.6							
	OBS	00640	08.98	35.22	27.31		1497.4							
	OBS	00650	09.01	35.25	27.33		1497.7							
	OBS	00700	08.46	35.23	27.40		1496.5							
	OBS	00730	07.81	35.18	27.46		1494.4							
	OBS	00774	07.53	35.20	27.52		1494.1							
	OBS	00790	07.11	35.15	27.54		1492.7							
	OBS	00800	07.14	35.18	27.56		1493.0							
	OBS	00840	06.97	35.20	27.60		1493.0							
	OBS	00900	06.36	35.16	27.65		1491.6							
	OBS	01000	05.58	35.09	27.70		1490.0							
	OBS	01022	05.29	35.06	27.71		1489.2							
	OBS	01037	05.34	35.11	27.74		1489.7							
	OBS	01100	05.10	35.08	27.75		1489.7							
	OBS	01200	04.39	34.99	27.76		1488.3							
	OBS	01275	04.30	34.99	27.77		1489.2							
	OBS	01300	04.38	35.01	27.77		1490.0							
	OBS	01400	04.29	35.01	27.78		1491.3							
	OBS	01500	04.12	35.00	27.79		1492.3							

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TABLE XXI.—Continued

REFID	31	8177	YEAR	1970	BOTOP	04390	AIR TEMP	19.6	OIP	HGT	PER	WIND-OIR	03	INST	STO	RECORDER	TEN	SQ	1206	
CONSEC		0039	MONTH	06	SHIP	OU	WET BULB	16.7		31	1	3	WIND-SPO	13	TRACE	OIR		5	SQUARE	4
LAT	35	00	N	OAY	10	DATA	USE	1	BAROMETR	1023.7	SEA	WIND-FOR		OURATION		00.5	2	SQUARE	48	
LONG	048	00	W	HOUR	18.0	AREA		05	CLOUD	T/4	CL/TR	WEATHER	X1	ORIG	E42	O39	1	SQUARE	58	

CASTNUM/TIME	LVL TYP	DEFTH	TEMP	SAL	SIGMA-T	OYNORTH	SND	VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
18.0	085	00000	20.72	36.41	25.66			1525.7							
	085	00010	20.37	36.39	25.74			1524.9							
	085	00020	19.93	36.34	25.82			1523.8							
	085	00030	19.26	36.33	25.99			1522.1							
	085	00050	17.15	36.21	26.42			1516.3							
	085	00075	16.68	36.28	26.59			1515.4							
	085	00100	16.53	36.28	26.63			1515.3							
	085	00125	16.29	36.25	26.66			1515.0							
	085	00150	16.20	36.25	26.68			1515.1							
	085	00200	15.53	36.14	26.75			1513.7							
	085	00250	14.93	36.02	26.79			1512.5							
	085	00300	14.47	35.97	26.85			1511.8							
	085	00320	14.27	35.93	26.87			1511.4							
	085	00365	14.13	35.90	26.87			1511.7							
	085	00382	14.15	35.94	26.90			1512.1							
	085	00400	13.66	35.81	26.90			1510.6							
	085	00420	12.96	35.66	26.93			1508.4							
	085	00438	12.85	35.64	26.94			1508.3							
	085	00442	13.01	35.74	26.98			1509.1							
	085	00500	11.98	35.55	27.04			1506.3							
	085	00590	10.37	35.34	27.17			1501.8							
	085	00600	10.46	35.40	27.20			1502.4							
	085	00665	09.35	35.30	27.32			1499.3							
	085	00675	08.44	35.15	27.34			1495.9							
	085	00680	08.57	35.17	27.34			1496.5							
	085	00693	08.57	35.24	27.39			1496.8							
	085	00700	08.27	35.18	27.39			1495.7							
	085	00720	08.21	35.19	27.41			1495.8							
	085	00742	08.43	35.32	27.48			1497.2							
	085	00800	07.72	35.23	27.52			1495.3							
	085	00850	06.85	35.13	27.56			1492.6							
	085	00865	06.93	35.20	27.61			1493.3							
	085	00900	06.46	35.16	27.64			1492.0							
	085	00918	06.01	35.10	27.65			1490.4							
	085	01000	05.67	35.11	27.70			1490.4							
	085	01100	05.16	35.08	27.74			1490.0							
	085	01200	04.65	35.03	27.76			1489.5							
	085	01272	04.40	35.00	27.76			1489.6							
	085	01280	04.51	35.01	27.76			1490.2							
	085	01300	04.34	34.99	27.76			1489.8							
	085	01370	04.64	35.07	27.79			1492.3							
	085	01400	04.53	35.05	27.79			1492.4							
	085	01500	04.30	35.03	27.80			1493.1							

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TABLE XXI.—Continued

REFID	31	8177	YEAR	1970	BOTDP	04718	AIR TEMP	19.1	DIR HGT	PER	WIND-DIR	05	INST STD	RECORDER	TEN SQ	1206	
CONSEC	0040	MONTH	06	SHIP DU	WET BULB	16.1	SEA	34	1	3	WIND-SPD	05	TRACE DIR	D	5	SQUARE	2
LAT	34	57	N	DAY	11	DATA USE	1	8ARDMETR	1025.8	SEA	WIND-FOR	DURATION	00.5	2	SQUARE	48	
LONG	048	04	W	HOUR	01.9	AREA	05	CLOUD T/A	CL/TR	WEATHER	x1	ORIG E42	040	1	SQUARE	48	
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	DXYG	PC4	TOT P	ND2	ND3	S133	PH			
01.9	OBS	00000	20.63	36.42	25.65		1525.5										
	OBS	00010	20.37	36.34	25.70		1524.9										
	OBS	00020	19.66	36.32	25.88		1523.1										
	OBS	00030	19.36	36.34	25.97		1522.4										
	OBS	00050	17.36	36.20	26.37		1516.9										
	OBS	00075	16.76	36.32	26.60		1515.7										
	OBS	00100	16.47	36.29	26.65		1515.2										
	OBS	00125	16.32	36.25	26.65		1515.1										
	OBS	00150	16.01	36.19	26.68		1514.5										
	OBS	00162	15.94	36.18	26.64		1514.4										
	OBS	00173	16.00	36.23	26.71		1514.8										
	OBS	00200	15.66	36.17	26.74		1514.2										
	OBS	00250	15.08	36.05	26.78		1513.0										
	OBS	00300	14.59	35.96	26.82		1512.2										
	OBS	00400	13.84	35.82	26.87		1511.2										
	OBS	00500	11.89	35.50	27.02		1505.9										
	OBS	00570	10.42	35.30	27.13		1501.6										
	OBS	00580	10.53	35.40	27.19		1502.3										
	OBS	00600	09.91	35.28	27.21		1500.3										
	OBS	00658	09.01	35.21	27.30		1497.8										
	OBS	00669	08.62	35.13	27.30		1496.4										
	OBS	00700	08.41	35.20	27.39		1496.3										
	OBS	00745	07.48	35.10	27.45		1493.3										
	OBS	00765	07.62	35.21	27.52		1494.3										
	OBS	00800	07.11	35.11	27.51		1492.8										
	OBS	00838	07.03	35.21	27.60		1493.2										
	OBS	00845	07.07	35.24	27.62		1493.6										
	OBS	00900	06.12	35.10	27.64		1490.5										
	OBS	00912	06.02	35.08	27.63		1490.3										
	OBS	00935	06.08	35.14	27.67		1491.0										
	OBS	00960	06.05	35.15	27.69		1491.3										
	OBS	00970	05.74	35.10	27.69		1490.2										
	OBS	00990	05.69	35.10	27.69		1490.3										
	OBS	01000	05.43	35.05	27.66		1489.4										
	OBS	01020	05.23	35.01	27.68		1488.8										
	OBS	01055	05.47	35.13	27.74		1490.5										
	OBS	01080	05.42	35.11	27.73		1490.7										
	OBS	01100	05.26	35.11	27.75		1490.4										
	OBS	01175	05.01	35.09	27.77		1490.6										
	OBS	01200	04.78	35.04	27.75		1490.0										
	OBS	01245	04.51	35.00	27.75		1489.6										
	OBS	01300	04.41	35.00	27.76		1490.1										
	OBS	01400	04.22	35.00	27.78		1491.0										
	OBS	01440	04.25	35.01	27.79		1491.8										
	OBS	01500	04.15	35.00	27.75		1492.4										

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REFID	31	8177	YEAR	1970	BOTDP	04572	AIR TEMP	18.9	DIR HGT	PER	WIND-DIR	00	INST STD	RECORDER	TEN SQ	1206	
CONSEC	0041	MONTH	06	SHIP DU	WET BULB	15.7	SEA	34	1	3	WIND-SPD	00	TRACE DIR	D	5	SQUARE	2
LAT	34	53	N	DAY	11	DATA USE	1	8ARDMETR	1025.6	SEA	WIND-FOR	DURATION	00.4	2	SQUARE	48	
LONG	048	04	W	HOUR	06.3	AREA	05	CLOUD T/A	CL/TR	WEATHER	x1	ORIG E42	041	1	SQUARE	48	
CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	DXYG	PC4	TOT P	ND2	ND3	S133	PH			
06.3	OBS	00000	20.42	36.42	25.75		1524.9										
	OBS	00010	20.42	36.42	25.75		1525.1										
	OBS	00020	19.61	36.33	25.90		1523.0										
	OBS	00030	18.66	36.24	26.07		1520.4										
	OBS	00050	16.87	36.26	26.53		1515.5										
	OBS	00075	16.58	36.29	26.62		1515.1										
	OBS	00100	16.46	36.28	26.64		1515.1										
	OBS	00125	16.34	36.27	26.66		1515.1										
	OBS	00150	16.19	36.24	26.67		1515.1										
	OBS	00200	15.67	36.15	26.72		1514.2										
	OBS	00250	15.21	36.09	26.78		1513.5										
	OBS	00300	14.57	35.97	26.83		1512.1										
	OBS	00400	13.61	35.80	26.90		1510.5										
	OBS	00500	11.76	35.51	27.05		1505.5										
	OBS	00545	10.60	35.34	27.13		1501.9										
	OBS	00545	10.55	35.39	27.18		1502.1										
	OBS	00600	09.71	35.27	27.25		1499.5										
	OBS	00660	08.91	35.22	27.32		1497.5										
	OBS	00688	08.22	35.13	27.36		1495.2										
	OBS	00700	08.21	35.18	27.40		1495.5										
	OBS	00740	08.11	35.24	27.47		1495.8										
	OBS	00760	07.47	35.18	27.51		1493.6										
	OBS	00800	07.06	35.17	27.56		1492.7										
	OBS	00811	06.87	35.13	27.56		1492.1										
	OBS	00818	06.93	35.19	27.60		1492.5										
	OBS	00850	06.88	35.21	27.62		1492.9										
	OBS	00875	06.40	35.13	27.62		1491.3										
	OBS	00900	06.27	35.14	27.65		1491.2										
	OBS	00920	06.31	35.18	27.68		1491.7										
	OBS	01000	05.44	35.08	27.71		1489.4										
	OBS	01051	05.23	35.07	27.72		1489.4										
	OBS	01070	05.06	35.04	27.72		1489.0										
	OBS	01100	05.12	35.08	27.75		1489.8										
	OBS	01130	05.17	35.11	27.76		1490.5										
	OBS	01200	04.80	35.06	27.77		1490.1										
	OBS	01220	04.56	35.03	27.77		1489.4										
	OBS	01300	04.44	35.01	27.77		1490.3										
	OBS	01305	04.54	35.03	27.77		1490.8										
	OBS	01400	04.23	35.02	27.80		1491.1										
	OBS	01500	04.00	34.99	27.80		1491.8										

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BDTOP 04495 AIR TEMP 19.6 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1206  
 CONSEC 0042 MONTH 06 SHIP DU WET BULB 16.1 35 2 3 WIND-SPD 00 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 11 DATA USE 1 BARMETR 1027.6 SEA WIND-FDP DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 042 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
12.3	DBS	00000	20.59	36.40	25.69		1525.4							
	DBS	00010	20.41	36.42	25.75		1525.1							
	DBS	00020	19.51	36.37	25.95		1522.7							
	DBS	00030	18.76	36.34	26.12		1520.8							
	DBS	00050	16.96	36.27	26.52		1515.8							
	DBS	00075	16.64	36.31	26.62		1515.3							
	DBS	00100	16.42	36.29	26.66		1515.0							
	DBS	00125	16.26	36.26	26.67		1514.9							
	DBS	00150	15.93	36.19	26.70		1514.2							
	DBS	00200	15.39	36.12	26.77		1513.3							
	DBS	00250	15.06	36.06	26.79		1513.0							
	DBS	00300	14.56	35.97	26.83		1512.1							
	DBS	00400	13.36	35.78	26.94		1509.6							
	DBS	00440	12.88	35.72	26.99		1508.6							
	DBS	00500	11.61	35.49	27.06		1504.9							
	DBS	00575	10.30	35.34	27.18		1501.3							
	DBS	00595	10.34	35.39	27.22		1501.9							
	DBS	00600	09.81	35.29	27.23		1499.9							
	DBS	00621	09.45	35.27	27.27		1498.9							
	DBS	00628	09.62	35.33	27.29		1499.7							
	DBS	00643	09.39	35.28	27.29		1499.1							
	DBS	00652	09.45	35.34	27.33		1499.5							
	DBS	00685	08.16	35.14	27.38		1495.0							
	DBS	00700	08.33	35.22	27.42		1496.0							
	DBS	00705	08.27	35.20	27.41		1495.8							
	DBS	00782	07.36	35.20	27.55		1493.6							
	DBS	00800	07.14	35.17	27.55		1493.0							
	DBS	00833	07.03	35.19	27.58		1493.1							
	DBS	00857	06.65	35.14	27.60		1492.0							
	DBS	00875	06.82	35.23	27.65		1493.1							
	DBS	00900	06.42	35.16	27.64		1491.8							
	DBS	01000	05.88	35.15	27.71		1491.3							
	DBS	01076	05.35	35.08	27.72		1490.3							
	DBS	01100	05.56	35.15	27.75		1491.7							
	DBS	01130	05.01	35.07	27.75		1489.8							
	DBS	01200	04.92	35.08	27.77		1490.7							
	DBS	01265	04.49	35.01	27.76		1489.9							
	DBS	01300	04.51	35.04	27.78		1490.6							
	DBS	01330	04.33	35.01	27.78		1450.3							
	DBS	01375	04.24	35.00	27.78		1490.7							
	DBS	01400	04.42	35.05	27.80		1491.9							
	DBS	01500	04.27	35.03	27.80		1492.9							

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REFID 31 8177 YEAR 1970 BDTOP 04206 AIR TEMP 20.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0043 MONTH 06 SHIP DU WET BULB 16.6 02 1 3 WIND-SPD 02 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BARMETR 1028.2 SEA WIND-FDP DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 18.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 043 1 SQUARE 59

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
18.7	DBS	00000	21.02	36.43	25.59		1526.5							
	DBS	00010	20.47	36.41	25.73		1525.2							
	DBS	00020	19.26	36.35	26.00		1522.0							
	DBS	00030	18.77	36.26	26.06		1520.7							
	DBS	00050	17.07	36.27	26.45		1516.1							
	DBS	00075	16.64	36.29	26.61		1515.3							
	DBS	00100	16.49	36.28	26.63		1515.2							
	DBS	00125	16.34	36.27	26.66		1515.1							
	DBS	00150	16.24	36.26	26.68		1515.2							
	DBS	00200	15.86	36.19	26.71		1514.8							
	DBS	00250	15.22	36.08	26.77		1513.5							
	DBS	00400	14.54	35.96	26.83		1512.0							
	DBS	00400	13.24	35.77	26.96		1509.2							
	DBS	00450	12.77	35.70	27.00		1508.4							
	DBS	00500	11.50	35.46	27.06		1504.5							
	DBS	00560	10.35	35.31	27.15		1501.2							
	DBS	00575	10.41	35.38	27.20		1501.8							
	DBS	00600	09.75	35.29	27.24		1499.7							
	DBS	00620	09.63	35.28	27.25		1499.6							
	DBS	00655	09.06	35.25	27.32		1498.0							
	DBS	00665	09.10	35.26	27.32		1498.3							
	DBS	00700	08.16	35.17	27.40		1495.3							
	DBS	00730	08.54	35.31	27.45		1497.4							
	DBS	00800	07.27	35.17	27.53		1493.5							
	DBS	00855	06.68	35.14	27.56		1492.1							
	DBS	00868	06.89	35.22	27.63		1493.2							
	DBS	00900	06.37	35.16	27.65		1491.6							
	DBS	00948	05.82	35.10	27.68		1490.1							
	DBS	00979	05.77	35.12	27.70		1490.5							
	DBS	00995	05.50	35.08	27.70		1489.6							
	DBS	01000	05.64	35.13	27.72		1490.3							
	DBS	01100	05.11	35.08	27.75		1489.8							
	DBS	01200	04.59	35.03	27.77		1489.2							
	DBS	01265	04.40	35.01	27.77		1489.5							
	DBS	01300	04.62	35.06	27.76		1491.1							
	DBS	01340	04.45	35.04	27.79		1491.0							
	DBS	01350	04.54	35.06	27.80		1491.6							
	DBS	01400	04.36	35.03	27.79		1491.6							
	DBS	01500	04.25	35.02	27.80		1492.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTLP C4883 AIR TEMP 19.5 DIR HGT PIR WIND-DIR 12 INST SIG RECORDER TEN SQ 1206  
 CONSEL 0065 MONTH 06 SHIP DU WET HURR 16.7 SW 1 S WIND-SPO 03 TRACE DIR 0 5 SQUARE 2  
 LAT 35 50 N DAY 12 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR OPERATION 00.4 2 SQUARE 48  
 LENG 048 12 H HOUR 00.6 AREA 05 CLOUD 7A CLZTR WEATHER FJ CRIG 142 044 1 SQUARE 48

LASTNOZTIME	LVLTYP	DEPTH	TEMP	SAL	SURFACE	CYNOPTR	SND VEL	XYG	P14	TOT P	N02	N03	S133	P4
0026	087	00200	21.14	36.51	25.22		1526.4							
	087	00110	20.87	36.46	25.22		1525.3							
	085	00020	19.90	36.49	25.24		1523.9							
	085	00070	19.27	36.42	25.25		1522.3							
	085	00050	17.87	36.27	26.25		1517.3							
	085	00075	16.84	36.28	26.25		1515.8							
	085	00100	16.59	36.28	26.21		1515.5							
	085	00125	16.81	36.27	26.25		1515.4							
	085	00150	16.25	36.25	26.27		1515.3							
	085	00200	15.89	36.20	26.21		1514.9							
	085	00250	15.82	36.12	26.26		1514.2							
	085	00300	14.71	35.99	26.22		1512.6							
	087	00340	13.97	35.87	26.28		1511.6							
	087	00400	13.63	35.40	26.50		1510.5							
	085	00452	12.85	35.64	26.54		1508.6							
	085	00500	11.77	35.66	27.01		1505.5							
	085	00510	10.90	35.52	27.20									
	087	00565	10.71	35.37	27.13		1502.7							
	085	00570	10.74	35.41	27.16		1502.9							
	085	00600	10.52	35.41	27.20		1502.6							
	085	00650	09.19	35.26	27.21		1498.4							
	085	00700	08.25	35.14	27.27		1495.6							
	087	00710	08.46	35.20	27.28		1496.6							
	085	00730	08.37	35.23	27.42		1496.6							
	085	00745	07.58	35.07	27.41		1493.7							
	085	00766	07.52	35.12	27.46		1493.8							
	087	00770	07.70	35.21	27.50		1494.7							
	085	00800	07.17	35.14	27.53		1493.1							
	085	00824	06.94	35.15	27.47		1492.6							
	085	00855	07.00	35.21	27.60		1493.4							
	085	00900	06.32	35.14	27.64		1491.4							
	085	00930	05.65	35.08	27.65		1490.1							
	085	00950	06.04	35.14	27.68		1491.1							
	085	00990	05.69	35.11	27.70		1490.3							
	085	01000	05.76	35.14	27.71		1490.9							
	085	01100	05.15	35.06	27.73		1489.9							
	085	01112	05.05	35.06	27.74		1489.7							
	085	01140	05.41	35.16	27.77		1492.4							
	085	01200	05.37	35.16	27.78		1492.6							
	085	01300	04.98	35.11	27.75		1492.6							
	085	01400	04.54	35.05	27.79		1492.4							
	085	01500	04.20	35.01	27.75		1492.6							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04892 AIR TEMP 21. OIP HGT PER WIND-OIR 17 INST STO RECORDER TEN SQ 1206  
 CONSEC 0045 MONTH 06 SHIP OU WET BULB 19. 16 0 2 WIND-SPD 08 TRACE OIR 0 5 SQUARE 2  
 LAT 35 50 N DAY 12 DATA USE 1 BAROMETF 1030.5 SEA WIND-FDR DURAT 17N 00.4 2 SQUARE 48  
 LONG 048 07 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 045 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIG3	PH
12.2	OBS	00000	20.71	36.41	25.66		1525.7							
	OBS	00010	19.90	36.35	25.84		1523.6							
	OBS	00020	19.40	36.33	25.95		1522.4							
	OBS	00030	18.68	36.31	26.12		1520.5							
	OBS	00040	17.02	36.29	26.52		1516.0							
	OBS	00075	16.59	36.30	26.63		1515.1							
	OBS	00100	16.45	36.30	26.66		1515.1							
	OBS	00125	16.35	36.30	26.68		1515.2							
	OBS	00150	16.28	36.28	26.68		1515.4							
	OBS	00200	15.92	36.21	26.71		1515.0							
	OBS	00250	15.36	36.13	26.78		1514.0							
	OBS	00300	14.78	36.01	26.82		1512.9							
	OBS	00370	13.63	35.82	26.92		1510.0							
	OBS	00400	13.28	35.74	26.93		1509.3							
	OBS	00420	12.99	35.68	26.94		1508.6							
	OBS	00428	13.04	35.70	26.94		1508.9							
	OBS	00480	12.05	35.55	27.02		1506.2							
	OBS	00485	12.20	35.62	27.05		1506.9							
	OBS	00500	12.07	35.60	27.06		1506.7							
	OBS	00570	10.55	35.38	27.17		1502.2							
	OBS	00600	10.16	35.38	27.24		1501.3							
	OBS	00620	09.85	35.35	27.27		1500.5							
	OBS	00663	08.38	35.16	27.36		1495.5							
	OBS	00700	08.29	35.22	27.42		1495.8							
	OBS	00725	08.17	35.23	27.45		1495.8							
	OBS	00750	07.56	35.11	27.45		1493.7							
	OBS	00760	07.78	35.21	27.49		1494.9							
	OBS	00800	07.19	35.17	27.55		1493.2							
	OBS	00826	07.06	35.19	27.58		1493.1							
	OBS	00850	07.22	35.26	27.61		1494.3							
	OBS	00870	06.63	35.16	27.62		1492.1							
	OBS	00900	06.29	35.14	27.65		1491.3							
	OBS	00925	06.05	35.13	27.67		1490.7							
	OBS	00940	05.72	35.10	27.69		1489.6							
	OBS	00953	05.36	35.07	27.71		1489.0							
	OBS	01000	05.48	35.12	27.73		1489.6							
	OBS	01008	05.63	35.16	27.75		1490.4							
	OBS	01030	05.67	35.16	27.74		1491.0							
	OBS	01070	05.21	35.10	27.75		1489.7							
	OBS	01100	05.13	35.10	27.76		1489.9							
	OBS	01130	04.90	35.07	27.76		1489.4							
	OBS	01150	04.97	35.10	27.78		1490.0							
	OBS	01200	04.60	35.04	27.77		1489.3							
	OBS	01300	04.46	35.04	27.79		1490.4							
	OBS	01400	04.20	35.02	27.80		1490.9							
	OBS	01500	04.05	35.00	27.80		1492.0							

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REFID 31 8177 YEAR 1970 BOTOP 03383 AIR TEMP 21.6 OIP HGT PER WIND-OIR 21 INST STO RECORDER TEN SQ 1206  
 CONSEC 0046 MONTH 06 SHIP OU WET BULB 18.8 11 1 2 WIND-SPD 08 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 12 DATA USE 1 BAROMETF 1029.7 SEA WIND-FDR DURAT 17N 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 18.6 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG F42 046 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIG3	PH
18.6	OBS	00000	21.67	36.26	25.25		1529.0							
	OBS	00010	20.26	36.40	25.78		1524.6							
	OBS	00020	19.10	36.33	26.03		1521.5							
	OBS	00030	18.87	36.34	26.10		1521.1							
	OBS	00050	16.94	36.28	26.53		1515.7							
	OBS	00075	16.39	36.30	26.67		1514.5							
	OBS	00100	16.12	36.25	26.70		1514.0							
	OBS	00125	15.79	36.18	26.72		1513.4							
	OBS	00150	15.52	36.14	26.75		1512.9							
	OBS	00200	15.32	36.12	26.78		1513.1							
	OBS	00250	14.89	36.04	26.82		1512.4							
	OBS	00300	14.22	35.95	26.89		1511.0							
	OBS	00350	13.94	35.90	26.91		1510.8							
	OBS	00385	13.25	35.76	26.95		1509.0							
	OBS	00400	13.31	35.80	26.97		1509.5							
	OBS	00500	11.32	35.47	27.10		1503.9							
	OBS	00580	10.17	35.33	27.20		1500.9							
	OBS	00600	09.97	35.36	27.26		1500.6							
	OBS	00640	08.89	35.20	27.31		1497.1							
	OBS	00660	09.07	35.33	27.38		1498.2							
	OBS	00700	07.90	35.16	27.43		1494.3							
	OBS	00720	08.37	35.31	27.48		1496.6							
	OBS	00750	08.08	35.30	27.52		1496.0							
	OBS	00770	07.39	35.17	27.52		1493.5							
	OBS	00800	07.25	35.20	27.56		1493.5							
	OBS	00860	06.71	35.17	27.61		1492.3							
	OBS	00870	06.82	35.24	27.65		1493.0							
	OBS	00900	06.52	35.19	27.65		1492.2							
	OBS	00920	05.94	35.12	27.68		1490.2							
	OBS	01000	05.85	35.17	27.73		1491.2							
	OBS	01100	05.31	35.12	27.75		1490.6							
	OBS	01200	04.76	35.08	27.79		1490.1							
	OBS	01240	04.55	35.05	27.79		1489.8							
	OBS	01300	04.45	35.06	27.81		1490.4							
	OBS	01400	04.26	35.04	27.81		1491.2							
	OBS	01500	04.12	35.02	27.81		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BDTOP 04759 AIR TEMP 21.3 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0047 MONTH 06 SHIP OU WET BULB 19.4 49 X X WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1030.1 SEA WIND-FDR OURATION 00.4 2 SQUARE 48  
 LONG 048 20 W HOUR 00.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 047 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.4	08S	00000	21.23	36.47	25.57		1527.1							
	08S	00010	20.78	36.44	25.47		1526.1							
	08S	00020	19.73	36.36	25.49		1523.3							
	08S	00030	19.18	36.34	26.02		1521.9							
	08S	00050	17.43	36.28	26.41		1517.2							
	08S	00075	17.00	36.37	26.48		1516.4							
	08S	00100	16.81	36.36	26.62		1516.3							
	08S	00125	16.46	36.31	26.66		1515.6							
	08S	00150	16.28	36.28	26.68		1515.4							
	08S	00200	15.77	36.19	26.73		1514.5							
	08S	00250	15.21	36.09	26.78		1513.5							
	08S	00300	14.66	36.01	26.84		1512.5							
	08S	00400	13.53	35.82	26.94		1510.2							
	08S	00500	12.43	35.63	27.01		1507.9							
	08S	00515	11.93	35.53	27.03		1506.3							
	08S	00570	11.21	35.44	27.10		1504.6							
	08S	00600	10.16	35.32	27.19		1501.2							
	08S	00620	9.75	35.29	27.24		1500.0							
	08S	00655	9.73	35.36	27.30		1500.6							
	08S	00665	9.28	35.28	27.21		1499.0							
	08S	00700	8.93	35.29	27.38		1498.3							
	08S	00720	9.11	35.40	27.43		1499.5							
	08S	00780	07.88	35.24	27.50		1495.6							
	08S	00800	07.78	35.24	27.52		1495.6							
	08S	00820	07.23	35.16	27.53		1493.7							
	08S	00860	07.18	35.22	27.59		1494.2							
	08S	00880	06.78	35.18	27.61		1492.9							
	08S	00900	06.70	35.21	27.65		1493.0							
	08S	00995	05.85	35.15	27.71		1491.1							
	08S	01000	05.70	35.12	27.71		1490.5							
	08S	01030	05.35	35.08	27.72		1489.6							
	08S	01100	05.27	35.12	27.76		1490.5							
	08S	01200	04.97	35.10	27.78		1490.9							
	08S	01300	04.67	35.08	27.80		1491.3							
	08S	01400	04.47	35.06	27.80		1492.1							
	08S	01500	04.38	35.06	27.81		1493.4							

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REFID 31 8177 YEAR 1970 BDTOP 04206 AIR TEMP 20.9 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0048 MONTH 06 SHIP OU WET BULB 19.0 19 0 2 WIND-SPO 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 13 DATA USE 1 BAROMETR 1028.2 SEA WIND-FDR OURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 048 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
06.3	08S	00000	21.20	36.44	25.55		1527.0							
	08S	00010	20.23	36.33	25.73		1524.5							
	08S	00020	19.41	36.32	25.94		1522.4							
	08S	00030	19.00	36.31	26.04		1521.4							
	08S	00050	17.78	36.34	26.37		1518.3							
	08S	00075	16.86	36.30	26.56		1515.9							
	08S	00100	16.52	36.30	26.64		1515.3							
	08S	00125	16.37	36.29	26.67		1515.3							
	08S	00150	16.08	36.22	26.68		1514.7							
	08S	00200	15.48	36.11	26.74		1513.5							
	08S	00250	14.98	36.10	26.84		1512.8							
	08S	00300	14.53	35.97	26.84		1512.0							
	08S	00400	13.40	35.79	26.94		1509.7							
	08S	00500	11.58	35.49	27.07		1504.8							
	08S	00576	09.99	35.38	27.27		1500.3							
	08S	00600	09.60	35.31	27.28		1499.2							
	08S	00628	09.37	35.31	27.32		1498.8							
	08S	00680	08.25	35.15	27.37		1495.3							
	08S	00700	08.68	35.35	27.46		1497.5							
	08S	00750	08.27	35.32	27.50		1496.7							
	08S	00755	07.97	35.26	27.50		1495.6							
	08S	00775	07.81	35.28	27.54		1495.3							
	08S	00800	07.15	35.19	27.57		1493.1							
	08S	00850	06.64	35.16	27.61		1491.8							
	08S	00900	06.71	35.25	27.68		1493.1							
	08S	00940	06.30	35.17	27.67		1492.0							
	08S	01000	05.68	35.12	27.71		1490.5							
	08S	01030	05.32	35.09	27.73		1489.5							
	08S	01054	05.49	35.15	27.76		1490.6							
	08S	01100	05.31	35.13	27.76		1490.6							
	08S	01200	04.93	35.09	27.78		1490.7							
	08S	01238	04.68	35.08	27.80		1490.3							
	08S	01300	04.56	35.06	27.79		1490.8							
	08S	01400	04.29	35.03	27.80		1491.3							
	08S	01500	04.12	35.02	27.81		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04572 AIR TEMP 21.4 OIR HGT PER WIND-OIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0049 MONTH 06 SHIP OU WET BULB 19.4 19 1 2 WIND-SPO 10 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 13 DATA USE 1 BAROMETER 1028.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 18 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 049 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	085	00000	21.08	36.42	25.57		1526.7							
	085	00010	20.64	36.31	25.61		1525.6							
	085	00020	19.29	36.21	25.99		1521.9							
	085	00030	17.88	36.38	26.38		1518.3							
	085	00050	17.30	36.39	26.51		1517.2							
	085	00075	17.01	36.36	26.57		1516.4							
	085	00100	16.51	36.29	26.64		1515.3							
	085	00125	16.29	36.28	26.68		1515.0							
	085	00150	16.11	36.25	26.70		1514.8							
	085	00200	15.66	36.16	26.73		1514.2							
	085	00250	15.09	36.06	26.79		1513.1							
	085	00300	14.62	35.97	26.82		1512.3							
	085	00400	13.75	35.84	26.91		1511.0							
	085	00500	12.14	35.55	27.01		1506.8							
	085	00582	10.58	35.35	27.14		1502.5							
	085	00600	10.51	35.36	27.16		1502.5							
	085	00675	08.72	35.20	27.34		1497.0							
	085	00690	08.78	35.24	27.36		1497.5							
	085	00700	08.80	35.25	27.37		1497.8							
	085	00710	08.54	35.21	27.38		1496.9							
	085	00729	08.82	35.36	27.45		1498.5							
	085	00734	08.54	35.31	27.45		1497.4							
	085	00766	07.96	35.20	27.46		1495.6							
	085	00800	07.59	35.21	27.52		1494.8							
	085	00810	07.20	35.15	27.53		1493.4							
	085	00821	07.24	35.21	27.57		1493.8							
	085	00880	06.55	35.15	27.62		1492.0							
	085	00900	06.49	35.16	27.64		1492.1							
	085	00980	06.27	35.20	27.70		1492.6							
	085	01000	05.86	35.15	27.71		1491.2							
	085	01040	05.78	35.13	27.70		1491.5							
	085	01063	05.44	35.09	27.72		1490.5							
	085	01100	05.29	35.10	27.74		1490.5							
	085	01200	04.87	35.08	27.78		1490.4							
	085	01300	04.65	35.06	27.78		1491.2							
	085	01400	04.42	35.04	27.79		1491.9							
	085	01500	04.24	35.03	27.81		1492.8							

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REFID 31 8177 YEAR 1970 BOTOP 04389 AIR TEMP 22.0 OIR HGT PER WIND-OIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0050 MDNTH 06 SHIP OU WET BULB 19.8 20 1 3 WIND-SPO 03 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 13 DATA USE 1 BAROMETER 1027.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 18.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 050 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.4	085	00000	21.76	36.41	25.37		1526.4							
	085	00010	20.79	36.36	25.60		1526.0							
	085	00020	19.67	36.30	25.86		1523.1							
	085	00030	18.54	36.16	26.04		1519.9							
	085	00050	17.29	36.30	26.46		1516.8							
	085	00075	16.56	36.30	26.63		1515.0							
	085	00100	16.37	36.28	26.66		1514.8							
	085	00125	16.04	36.22	26.69		1514.2							
	085	00150	15.81	36.19	26.72		1513.8							
	085	00200	15.48	36.14	26.76		1513.6							
	085	00250	15.02	36.05	26.79		1512.8							
	085	00300	14.39	35.95	26.85		1511.5							
	085	00315	14.26	35.92	26.86		1511.3							
	085	00340	14.16	35.93	26.89		1511.4							
	085	00400	13.44	35.81	26.95		1509.9							
	085	00500	11.69	35.53	27.08		1505.3							
	085	00575	09.84	35.25	27.19		1499.6							
	085	00600	09.59	35.27	27.25		1499.1							
	085	00650	08.48	35.14	27.33		1495.6							
	085	00680	08.56	35.25	27.40		1496.6							
	085	00685	08.32	35.19	27.39		1495.7							
	085	00690	08.55	35.32	27.46		1496.8							
	085	00700	08.50	35.31	27.46		1496.7							
	085	00800	07.04	35.13	27.54		1492.5							
	085	00850	06.48	35.14	27.62		1491.2							
	085	00880	06.69	35.22	27.66		1492.6							
	085	00900	06.68	35.22	27.66		1492.9							
	085	00915	06.37	35.17	27.66		1491.9							
	085	00935	06.28	35.19	27.69		1491.9							
	085	00950	05.97	35.14	27.69		1490.8							
	085	01000	05.54	35.09	27.70		1489.9							
	085	01010	05.29	35.07	27.72		1489.0							
	085	01060	05.19	35.08	27.74		1489.4							
	085	01070	05.34	35.13	27.76		1490.3							
	085	01100	05.11	35.09	27.75		1489.8							
	085	01140	05.14	35.12	27.77		1490.6							
	085	01200	04.71	35.06	27.78		1489.8							
	085	01250	04.61	35.05	27.78		1490.2							
	085	01273	04.63	35.06	27.79		1490.7							
	085	01300	04.49	35.04	27.79		1490.5							
	085	01310	04.36	35.02	27.78		1490.1							
	085	01400	04.28	35.02	27.75		1491.3							
	085	01500	04.23	35.03	27.81		1492.8							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04463 AIR TEMP 21.0 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0051 MONTH 06 SHIP OU WET BULB 19.6 DIR 1 2 WIND-SPO 07 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 14 DATA USE 1 BAROMETP 1027.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 05 W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 051 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
00.7	08S	00000	21.16	36.41	25.54		1526.9							
	08S	00010	20.06	36.31	25.76		1524.0							
	08S	00020	19.06	36.32	26.03		1521.4							
	08S	00030	18.76	36.32	26.11		1520.7							
	08S	00050	17.73	36.27	26.33		1518.1							
	08S	00075	16.26	36.24	26.66		1514.0							
	08S	00100	15.90	36.21	26.72		1513.3							
	08S	00125	15.53	36.15	26.76		1512.5							
	08S	00150	15.29	36.10	26.77		1512.1							
	08S	00200	15.01	36.06	26.80		1512.0							
	08S	00250	14.56	35.97	26.83		1511.3							
	08S	00275	14.32	35.93	26.85		1510.9							
	08S	00300	14.20	35.93	26.88		1510.9							
	08S	00400	13.16	35.74	26.95		1508.9							
	08S	00500	11.67	35.52	27.07		1505.2							
	08S	00570	10.44	35.37	27.18		1501.8							
	08S	00580	10.53	35.40	27.19		1502.3							
	08S	00600	10.02	35.30	27.20		1500.7							
	08S	00640	09.01	35.24	27.32		1497.6							
	08S	00655	08.98	35.27	27.35		1497.7							
	08S	00670	09.04	35.32	27.38		1498.3							
	08S	00700	08.12	35.20	27.43		1495.2							
	08S	00708	08.10	35.20	27.44		1495.2							
	08S	00720	08.53	35.33	27.47		1497.2							
	08S	00750	08.31	35.30	27.48		1496.8							
	08S	00800	07.44	35.22	27.55		1494.2							
	08S	00840	06.91	35.19	27.60		1492.8							
	08S	00870	06.89	35.22	27.63		1493.2							
	08S	00900	06.36	35.18	27.67		1491.6							
	08S	00945	05.78	35.13	27.70		1490.0							
	08S	01000	05.56	35.13	27.73		1490.0							
	08S	01070	05.19	35.12	27.77		1489.6							
	08S	01100	05.17	35.11	27.76		1490.0							
	08S	01200	04.77	35.08	27.79		1490.0							
	08S	01250	04.70	35.08	27.79		1490.6							
	08S	01285	04.45	35.06	27.81		1490.1							
	08S	01300	04.52	35.07	27.81		1490.7							
	08S	01325	04.31	35.04	27.81		1490.2							
	08S	01340	04.44	35.07	27.82		1491.0							
	08S	01352	04.28	35.04	27.81		1490.5							
	08S	01365	04.39	35.05	27.81		1491.2							
	08S	01400	04.21	35.04	27.82		1491.0							
	08S	01425	04.38	35.06	27.81		1492.2							
	08S	01438	04.23	35.03	27.81		1491.7							
	08S	01475	04.42	35.08	27.83		1493.2							
	08S	01500	04.24	35.05	27.82		1492.8							

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REFID 31 8177 YEAR 1970 BOTOP 04206 AIR TEMP 21.6 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0052 MONTH 06 SHIP OU WET BULB 20.2 DIR 2 3 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 14 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 06.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 052 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
06.7	08S	00000	21.28	36.44	25.53		1527.2							
	08S	00010	21.24	36.45	25.55		1527.3							
	08S	00020	20.64	36.35	25.64		1525.8							
	08S	00030	19.36	36.31	25.95		1522.4							
	08S	00050	17.30	36.31	26.46		1516.8							
	08S	00075	16.56	36.30	26.63		1515.0							
	08S	00100	16.46	36.32	26.67		1515.2							
	08S	00125	16.20	36.27	26.69		1514.7							
	08S	00150	15.95	36.21	26.71		1514.3							
	08S	00200	15.38	36.11	26.76		1513.2							
	08S	00230	15.05	36.06	26.79		1512.6							
	08S	00250	15.01	36.04	26.79		1512.8							
	08S	00300	14.57	35.95	26.82		1512.1							
	08S	00400	13.48	35.78	26.92		1510.0							
	08S	00500	11.88	35.54	27.05		1505.9							
	08S	00560	10.56	35.35	27.15		1502.0							
	08S	00580	10.41	35.34	27.16		1501.8							
	08S	00600	09.88	35.34	27.26		1500.2							
	08S	00611	10.00	35.38	27.27		1500.9							
	08S	00660	08.95	35.23	27.33		1497.7							
	08S	00670	08.83	35.21	27.33		1497.3							
	08S	00678	08.96	35.30	27.38		1498.1							
	08S	00700	08.78	35.26	27.38		1497.7							
	08S	00710	08.06	35.14	27.59		1495.0							
	08S	00800	07.88	35.19	27.46		1495.9							
	08S	00875	06.62	35.15	27.61		1492.2							
	08S	00890	06.81	35.23	27.65		1493.3							
	08S	00900	06.61	35.19	27.64		1492.6							
	08S	00940	06.25	35.16	27.67		1491.8							
	08S	00970	05.87	35.10	27.67		1490.7							
	08S	01000	05.92	35.16	27.71		1491.5							
	08S	01100	05.36	35.11	27.74		1490.8							
	08S	01140	05.31	35.11	27.75		1491.3							
	08S	01200	04.96	35.07	27.76		1490.8							
	08S	01300	04.49	35.04	27.79		1490.5							
	08S	01400	04.29	35.02	27.79		1491.3							
	08S	01500	04.15	35.02	27.81		1492.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 8CTOP 03795 AIR TEMP 21.8 DIF HGT PER WIND-DIR 21 INST STO RECORDER TEN SQ 1206  
 CONSEC 0053 MONTH 06 SHIP 00 WET BULR 20.4 21 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 14 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 05 W HOUR 12.5 AREA 05 CLOUD 1/A CL/TR WEATHER X1 ORIG E42 053 1 SQUARE 58

CAS/NUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYN DPTH	SND VEL	3XYG	P34	TOT P	NO2	NO3	SI03	PH
12.5	08S	00000	21.18	36.41	25.54		1525.9							
	08S	00010	20.86	36.34	25.57		1526.2							
	08S	00020	19.61	36.23	25.82		1522.8							
	08S	00030	18.51	36.31	26.16		1520.0							
	08S	00050	17.11	36.26	26.47		1516.2							
	08S	00075	16.38	36.27	26.65		1514.4							
	08S	00100	16.21	36.25	26.68		1514.3							
	08S	00125	16.00	36.23	26.71		1514.1							
	08S	00150	15.77	36.18	26.72		1513.7							
	08S	00200	15.41	36.11	26.75		1513.3							
	08S	00250	14.93	36.02	26.79		1512.5							
	08S	00300	14.52	35.96	26.83		1512.0							
	08S	00375	13.89	35.89	26.92		1511.1							
	08S	00400	13.31	35.77	26.94		1509.4							
	08S	00450	12.45	35.61	26.99		1507.2							
	08S	00485	12.23	35.59	27.02		1507.0							
	08S	00500	11.98	35.56	27.05		1506.3							
	08S	00540	11.31	35.46	27.09		1504.5							
	08S	00600	10.13	35.38	27.24		1501.2							
	08S	00634	09.11	35.23	27.30		1497.8							
	08S	00655	08.88	35.19	27.31		1497.3							
	08S	00680	09.08	35.33	27.38		1498.6							
	08S	00700	09.08	35.35	27.40		1499.0							
	08S	00711	08.98	35.34	27.41		1498.8							
	08S	00724	07.93	35.14	27.41		1494.7							
	08S	00742	08.31	35.30	27.48		1496.7							
	08S	00760	08.09	35.26	27.48		1496.1							
	08S	00770	07.64	35.19	27.50		1494.5							
	08S	00800	07.38	35.19	27.53		1494.0							
	08S	00845	06.81	35.15	27.58		1492.4							
	08S	00860	06.87	35.20	27.61		1493.0							
	08S	00869	06.69	35.16	27.61		1492.4							
	08S	00875	06.81	35.24	27.65		1493.0							
	08S	00900	06.71	35.24	27.67		1493.1							
	08S	01000	05.84	35.15	27.71		1491.1							
	08S	01050	05.42	35.11	27.73		1490.2							
	08S	01080	05.41	35.12	27.74		1490.7							
	08S	01100	05.30	35.11	27.75		1490.6							
	08S	01200	04.98	35.10	27.76		1490.9							
	08S	01300	04.52	35.05	27.79		1490.6							
	08S	01345	04.75	35.10	27.80		1492.4							
	08S	01345	04.52	35.06	27.80		1491.7							
	08S	01400	04.54	35.07	27.80		1492.4							
	08S	01420	04.47	35.06	27.80		1492.5							
	08S	01440	04.58	35.10	27.82		1493.3							
	08S	01470	04.52	35.08	27.81		1493.5							
	08S	01500	04.31	35.06	27.82		1493.1							

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TABLE XXI.—Continued

REFID 31 B177 YEAR 1970 BOTOP 04572 AIR TEMP 22.4 DIR HGT PFR WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0054 MONTH 06 SHIP OU WET BULB 21.0 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 14 DATA USE 1 BAROMETR 1022.5 SEA 3 WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 04R 03 W HOUR 18.8 AREA 05 CLOUD 1/A CL/TR WEATHER XI ORIG E42 054 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.8	085	00000	21.62	36.43	25.43		1528.1							
	085	00010	20.41	36.32	25.68		1525.0							
	085	00020	19.56	36.36	25.93		1522.9							
	085	00030	19.19	36.34	26.01		1522.0							
	085	00050	17.48	36.32	26.43		1517.4							
	085	00075	16.83	36.31	26.58		1515.9							
	085	00100	16.52	36.30	26.64		1515.3							
	085	00125	16.23	36.25	26.67		1514.8							
	085	00150	16.10	36.23	26.69		1514.8							
	085	00200	15.56	36.14	26.74		1513.8							
	085	00250	15.10	36.05	26.78		1513.1							
	085	00300	14.42	35.96	26.86		1511.6							
	085	00400	13.28	35.77	26.95		1509.3							
	085	00490	12.14	35.60	27.05		1506.7							
	085	00500	11.83	35.52	27.04		1505.7							
	085	00550	10.54	35.37	27.17		1501.8							
	085	00570	10.36	35.33	27.17		1501.5							
	085	00575	10.44	35.42	27.22		1502.0							
	085	00600	09.78	35.31	27.25		1499.8							
	085	00650	08.91	35.22	27.32		1497.3							
	085	00682	08.13	35.13	27.38		1494.8							
	085	00700	08.21	35.23	27.44		1495.5							
	085	00710	08.26	35.26	27.46		1495.9							
	085	00770	07.65	35.24	27.53		1494.6							
	085	00800	07.06	35.18	27.57		1492.7							
	085	00825	06.90	35.16	27.58		1492.5							
	085	00850	06.54	35.23	27.63		1493.1							
	085	00970	06.49	35.17	27.64		1491.6							
	085	00900	06.38	35.20	27.68		1491.7							
	085	00925	06.41	35.21	27.65		1492.3							
	085	00970	05.79	35.14	27.71		1490.4							
	085	01000	05.30	35.07	27.72		1488.9							
	085	01100	04.93	35.07	27.76		1489.0							
	085	01200	04.40	35.00	27.76		1488.4							
	085	01235	04.25	35.00	27.78		1488.4							
	085	01280	04.35	35.02	27.79		1489.6							
	085	01300	04.35	35.02	27.79		1489.9							
	085	01330	04.32	35.02	27.79		1490.3							
	085	01340	04.21	35.00	27.79		1490.0							
	085	01400	04.14	35.01	27.80		1490.7							
	085	01440	04.18	35.02	27.80		1491.5							
	085	01500	04.08	35.01	27.81		1492.1							

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REFID 31 B177 YEAR 1970 BOTOP 04591 AIR TEMP 22.0 DIR HGT PFR WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0055 MONTH 06 SHIP OU WET BULB 21.0 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 14 DATA USE 1 BAROMETR 1022.7 SEA 3 WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 04R 00 W HOUR 23.9 AREA 05 CLOUD 1/A CL/TR WEATHER XI ORIG E47 055 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	085	00000	21.40	36.41	25.46		1527.5							
	085	00010	19.91	36.30	25.79		1523.6							
	085	00020	19.27	36.30	25.95		1522.0							
	085	00030	18.33	36.22	26.14		1519.4							
	085	00050	16.93	36.28	26.53		1515.7							
	085	00075	16.54	36.27	26.63		1515.0							
	085	00100	16.50	36.31	26.66		1515.3							
	085	00125	16.16	36.25	26.67		1514.6							
	085	00150	15.88	36.20	26.72		1514.1							
	085	00200	15.53	36.13	26.74		1513.7							
	085	00250	15.13	36.05	26.77		1513.2							
	085	00300	14.58	35.97	26.83		1512.2							
	085	00400	13.33	35.77	26.94		1509.5							
	085	00500	11.96	35.55	27.04		1506.2							
	085	00600	09.77	35.27	27.22		1495.7							
	085	00640	08.76	35.19	27.32		1496.6							
	085	00675	08.26	35.18	27.40		1495.2							
	085	00700	08.22	35.22	27.43		1495.6							
	085	00730	08.10	35.25	27.47		1495.6							
	085	00800	07.00	35.17	27.57		1492.4							
	085	00820	06.95	35.14	27.60		1492.6							
	085	00840	06.95	35.21	27.61		1493.0							
	085	00900	06.41	35.11	27.65		1491.8							
	085	00920	06.41	35.21	27.69		1492.2							
	085	00935	06.05	35.16	27.69		1490.9							
	085	01000	05.54	35.11	27.72		1489.9							
	085	01025	05.19	35.07	27.73		1488.8							
	085	01050	05.43	35.14	27.76		1490.3							
	085	01060	05.21	35.09	27.74		1489.5							
	085	01100	04.98	35.06	27.75		1489.2							
	085	01200	04.46	35.01	27.77		1488.7							
	085	01120	04.30	34.99	27.77		1488.3							
	085	01300	04.28	35.01	27.75		1489.6							
	085	01330	04.24	35.00	27.78		1489.9							
	085	01345	04.32	35.03	27.80		1490.5							
	085	01400	04.24	35.02	27.80		1491.1							
	085	01420	04.24	35.02	27.80		1491.4							
	085	01440	04.12	35.00	27.75		1491.3							
	085	01500	04.12	35.01	27.80		1492.3							

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TABLE XXI.—Continued

REFID 21 8177 YEAR 1970 BOTOP 04462 AIR TEMP 22. OIP HGT PER WIND-DIR 22 INST STO RECORDER TEN SQ 1206  
 CONSEC 0056 MONTH 06 SHIP GU WET RULB 21. SEA 21 2 2 WIND-SPD 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 15 DATA USE 1 BAROMETR 1021.3 WIND-FTR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 056 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
06.2	DBS	00000	21.43	36.37	25.44		1527.5							
	DBS	00010	21.39	36.35	25.43		1527.6							
	DBS	00020	20.40	36.22	25.60		1525.0							
	DBS	00030	19.30	36.32	25.97		1522.2							
	DBS	00050	17.15	36.26	26.46		1516.3							
	DBS	00075	16.57	36.28	26.62		1515.0							
	DBS	00100	16.43	36.26	26.63		1515.0							
	DBS	00125	16.25	36.24	26.66		1514.8							
	DBS	00150	16.17	36.23	26.67		1515.0							
	DBS	00200	15.61	36.15	26.74		1514.0							
	DBS	00250	15.10	36.05	26.78		1513.1							
	DBS	00300	14.60	35.97	26.82		1512.2							
	DBS	00400	13.32	35.76	26.93		1509.2							
	DBS	00450	12.65	35.65	26.98		1507.9							
	DBS	00500	11.15	35.39	27.07		1503.2							
	DBS	00522	10.77	35.35	27.11		1502.2							
	DBS	00540	10.87	35.43	27.15		1502.9							
	DBS	00600	10.04	35.36	27.24		1500.8							
	DBS	00652	08.84	35.25	27.36		1497.1							
	DBS	00670	08.73	35.26	27.38		1497.0							
	DBS	00700	08.07	35.19	27.43		1494.9							
	DBS	00712	08.05	35.19	27.44		1495.1							
	DBS	00730	08.27	35.32	27.50		1496.4							
	DBS	00780	07.65	35.24	27.53		1494.7							
	DBS	00800	07.18	35.17	27.55		1493.1							
	DBS	00900	06.37	35.17	27.66		1491.6							
	DBS	00920	06.50	35.22	27.68		1492.5							
	DBS	00965	06.31	35.22	27.71		1492.5							
	DBS	01000	05.63	35.11	27.71		1490.2							
	DBS	01089	05.25	35.06	27.71		1490.1							
	DBS	01100	05.04	35.05	27.72		1489.4							
	DBS	01200	04.65	35.02	27.75		1488.5							
	DBS	01240	04.44	35.00	27.76		1488.2							
	DBS	01300	04.37	35.00	27.77		1489.9							
	DBS	01400	04.34	35.01	27.78		1491.5							
	DBS	01440	04.14	34.99	27.78		1491.3							
	DBS	01500	04.10	34.99	27.79		1492.2							

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REFID 31 8177 YEAR 1970 BOTOP 04526 AIR TEMP 22.0 OIP HGT PER WIND-DIR 22 INST STO RECORDER TEN SQ 1206  
 CONSEC 0057 MONTH 06 SHIP GU WET RULB 20.9 SEA 22 4 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 15 DATA USE 1 BAROMETR 1022.5 WIND-FTR DURATION 00.5 2 SQUARE 46  
 LONG 047 59 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 057 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.5	DBS	00000	21.24	36.40	25.51		1527.1							
	DBS	00010	21.24	36.40	25.51		1527.2							
	DBS	00020	19.60	36.29	25.87		1522.9							
	DBS	00030	18.90	36.30	26.06		1521.1							
	DBS	00050	17.20	36.26	26.45		1516.5							
	DBS	00075	16.68	36.29	26.60		1515.4							
	DBS	00100	16.46	36.29	26.65		1515.1							
	DBS	00125	16.33	36.25	26.65		1515.1							
	DBS	00150	16.13	36.23	26.68		1514.9							
	DBS	00200	15.74	36.16	26.72		1514.4							
	DBS	00250	15.23	36.07	26.76		1513.5							
	DBS	00300	14.63	35.97	26.82		1512.3							
	DBS	00400	13.51	35.80	26.93		1510.1							
	DBS	00460	12.75	35.66	26.97		1508.4							
	DBS	00500	11.69	35.45	27.02		1505.2							
	DBS	00529	11.08	35.40	27.09		1503.4							
	DBS	00533	11.21	35.51	27.15		1504.1							
	DBS	00600	10.03	35.35	27.24		1500.8							
	DBS	00690	08.14	35.17	27.41		1495.0							
	DBS	00700	08.21	35.24	27.45		1495.5							
	DBS	00731	08.15	35.25	27.47		1495.8							
	DBS	00740	08.29	35.32	27.50		1496.6							
	DBS	00777	07.40	35.17	27.52		1493.6							
	DBS	00780	07.47	35.23	27.55		1494.0							
	DBS	00800	07.20	35.17	27.54		1493.2							
	DBS	00840	06.60	35.13	27.60		1491.5							
	DBS	00865	06.41	35.12	27.61		1491.1							
	DBS	00890	06.73	35.23	27.66		1493.0							
	DBS	00900	06.67	35.21	27.65		1492.9							
	DBS	00945	06.28	35.20	27.69		1492.1							
	DBS	00965	05.91	35.13	27.69		1490.8							
	DBS	00972	05.98	35.16	27.70		1491.3							
	DBS	01000	05.70	35.12	27.71		1490.5							
	DBS	01040	05.60	35.13	27.73		1490.8							
	DBS	01060	05.23	35.08	27.73		1489.6							
	DBS	01100	05.10	35.08	27.75		1489.7							
	DBS	01150	04.80	35.04	27.75		1489.3							
	DBS	01190	04.40	34.99	27.76		1488.2							
	DBS	01200	04.43	35.00	27.76		1488.5							
	DBS	01300	04.30	35.00	27.78		1489.7							
	DBS	01330	04.39	35.02	27.78		1490.6							
	DBS	01385	04.27	35.01	27.79		1491.0							
	DBS	01400	04.40	35.03	27.79		1491.8							
	DBS	01420	04.25	35.01	27.79		1491.5							
	DBS	01500	04.20	35.01	27.79		1492.6							

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TABLE XXI.—Continued

REF ID	31 8177	YEAR	1970	BCTOP	04481	AIR TEMP	20.5	OIR HGT PER		WIND-OIR	02	INSY STO RECORDER		TEN SQ	1206
CONSEC	0058	MONTH	06	SHIP OU		WET BULP	19.5	23 3 2		WIND-SPD DR		TRACE OIR	D	5 SQUARE	2
LAT	34 58 N	DAY	15	DATA USE	1	BAROMETR	1022.8	SEA		WIND-FOR		OURATION	00.2	2 SQUARE	48
LONG	048 05 W	HOOR	18.4	AREA	05	CLOUD	1/4	CL/TP		WEATHER	X2	DPIC E42	058	1 SQUARE	48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.4	OBS	00000	21.47	36.36	25.42		1527.6							
	OBS	00010	21.14	36.29	25.46		1526.9							
	OBS	00020	20.24	36.23	25.65		1524.6							
	OBS	00030	19.30	36.21	25.89		1522.1							
	OBS	00050	17.19	36.23	26.43		1516.4							
	OBS	00075	16.54	36.24	26.59		1514.9							
	OBS	00100	16.39	36.25	26.64		1514.9							
	OBS	00125	16.26	36.25	26.67		1514.9							
	OBS	00150	16.15	36.23	26.68		1514.9							
	OBS	00200	15.46	36.12	26.75		1513.5							
	OBS	00250	15.09	36.04	26.77		1513.0							
	OBS	00300	14.49	35.93	26.82		1511.8							
	OBS	00400	13.04	35.71	26.95		1508.4							
	OBS	00470	12.04	35.53	27.01		1506.0							
	OBS	00500	11.24	35.42	27.08		1503.6							
	OBS	00510	10.97	35.37	27.09		1502.7							
	OBS	00530	11.09	35.47	27.14		1503.6							
	OBS	00600	09.94	35.34	27.25		1500.5							
	OBS	00620	09.79	35.34	27.27		1500.2							
	OBS	00630	09.24	35.25	27.29		1498.3							
	OBS	00680	08.03	35.13	27.39		1494.4							
	OBS	00700	08.24	35.24	27.45		1495.7							
	OBS	00708	08.28	35.28	27.47		1496.0							
	OBS	00745	08.08	35.28	27.50		1495.8							
	OBS	00800	07.09	35.17	27.56		1492.8							
	OBS	00830	06.78	35.14	27.58		1492.0							
	OBS	00855	06.91	35.21	27.62		1493.1							
	OBS	00900	06.36	35.15	27.64		1491.6							
	OBS	00914	06.26	35.16	27.67		1491.4							
	OBS	00930	06.29	35.18	27.68		1491.8							
	OBS	00970	05.57	35.08	27.69		1489.5							
	OBS	00978	05.64	35.11	27.71		1489.9							
	OBS	01000	05.34	35.07	27.71		1489.0							
	OBS	01025	05.22	35.07	27.73		1488.9							
	OBS	01074	05.33	35.11	27.74		1490.3							
	OBS	01080	04.97	35.06	27.75		1488.8							
	OBS	01100	04.86	35.04	27.74		1488.7							
	OBS	01190	04.53	35.02	27.77		1488.8							
	OBS	01200	04.56	35.02	27.76		1489.1							
	OBS	01230	04.44	35.01	27.77		1489.1							
	OBS	01290	04.31	35.00	27.77		1489.5							
	OBS	01300	04.42	35.03	27.79		1490.2							
	OBS	01340	04.36	35.01	27.78		1490.6							
	OBS	01350	04.27	35.01	27.79		1490.4							
	OBS	01400	04.32	35.02	27.79		1491.4							
	OBS	01500	04.11	35.00	27.80		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BCTOP 04572 AIR TEMP 18.0 DIR HGT PER WIND-DIR 04 INST STO RECORDER TEN SQ 1206  
 CONSEC 0059 MONTH 06 SHIP DU WET BULP 17.5 03 3 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 15 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 00.7 2 SQUARE 48  
 LONG 048 02 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER Y? DRIG E42 059 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	ND2	ND3	SI03	PH
23.7	DBS	00000	21.22	36.39	25.51		1527.0							
	DBS	00010	21.22	36.39	25.51		1527.2							
	DBS	00020	20.01	36.37	25.52		1524.1							
	DBS	00030	19.19	36.30	25.98		1521.9							
	DBS	00040	17.29	36.24	25.49		1516.3							
	DBS	00075	16.74	36.32	26.61		1515.6							
	DBS	00100	16.40	36.27	26.65		1514.9							
	DBS	00125	16.26	36.26	26.67		1514.9							
	DBS	00150	16.05	36.23	26.70		1514.6							
	DBS	00200	15.56	36.14	26.74		1513.8							
	DBS	00250	15.29	36.10	26.77		1513.8							
	DBS	00300	14.61	35.99	26.84		1512.3							
	DBS	00400	13.44	35.79	26.93		1509.9							
	DBS	00500	11.74	35.54	27.08		1505.5							
	DBS	00600	09.72	35.31	27.26		1499.6							
	DBS	00630	09.05	35.23	27.31		1497.5							
	DBS	00640	09.11	35.26	27.32		1496.0							
	DBS	00685	08.06	35.15	27.40		1494.6							
	DBS	00700	08.25	35.25	27.45		1495.7							
	DBS	00710	08.33	35.27	27.46		1496.2							
	DBS	00745	07.99	35.27	27.41		1495.5							
	DBS	00775	07.35	35.20	27.45		1493.4							
	DBS	00800	07.11	35.19	27.57		1492.9							
	DBS	00812	06.98	35.18	27.58		1492.6							
	DBS	00835	06.99	35.21	27.61		1493.0							
	DBS	00872	06.56	35.19	27.65		1491.9							
	DBS	00900	06.26	35.15	27.66		1491.2							
	DBS	00920	05.82	35.12	27.69		1489.7							
	DBS	00925	05.88	35.13	27.69		1490.0							
	DBS	00975	05.39	35.08	27.71		1488.8							
	DBS	01000	05.36	35.09	27.72		1489.1							
	DBS	01015	05.21	35.07	27.73		1488.7							
	DBS	01020	05.27	35.09	27.74		1489.1							
	DBS	01070	05.18	35.09	27.75		1489.6							
	DBS	01100	04.99	35.08	27.76		1489.3							
	DBS	01170	04.56	35.03	27.77		1488.6							
	DBS	01200	04.56	35.05	27.79		1485.1							
	DBS	01230	04.66	35.06	27.78		1490.1							
	DBS	01240	04.57	35.04	27.78		1489.8							
	DBS	01260	04.61	35.06	27.79		1490.4							
	DBS	01290	04.44	35.03	27.78		1490.1							
	DBS	01300	04.42	35.03	27.79		1490.2							
	DBS	01400	04.25	35.02	27.80		1491.2							
	DBS	01500	04.14	35.02	27.81		1492.4							

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REFID 31 8177 YEAR 1970 BCTOP 0365E AIR TEMP 18.9 DIR HGT PER WIND-DIR 08 INST STO RECORDER TEN SQ 1206  
 CONSEC 0060 MONTH 06 SHIP DU WET BULP 17.2 06 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 16 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 06.4 AREA 05 CLOUD T/A CL/TR WEATHER X? DRIG E42 060 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	ND2	ND3	SI03	PH
06.4	DBS	00000	21.12	36.38	25.53		1526.7							
	DBS	00010	21.07	36.38	25.54		1526.8							
	DBS	00020	20.95	36.31	25.52		1526.5							
	DBS	00030	19.35	36.28	25.93		1522.3							
	DBS	00050	17.20	36.25	26.44		1516.5							
	DBS	00075	16.60	36.30	26.62		1515.2							
	DBS	00100	16.40	36.30	26.67		1515.0							
	DBS	00125	16.21	36.25	26.68		1514.7							
	DBS	00150	16.03	36.24	26.71		1514.6							
	DBS	00200	15.74	36.16	26.72		1514.4							
	DBS	00250	15.07	36.04	26.78		1513.0							
	DBS	00300	14.53	35.95	26.82		1512.0							
	DBS	00400	13.47	35.77	26.91		1510.0							
	DBS	00442	12.69	35.64	26.97		1507.9							
	DBS	00492	11.89	35.54	27.05		1505.8							
	DBS	00500	11.96	35.56	27.05		1506.2							
	DBS	00600	10.11	35.34	27.22		1501.1							
	DBS	00666	09.08	35.25	27.32		1498.3							
	DBS	00674	09.20	35.34	27.37		1499.0							
	DBS	00700	08.45	35.21	27.39		1496.4							
	DBS	00710	08.55	35.29	27.44		1497.1							
	DBS	00770	07.24	35.11	27.49		1492.8							
	DBS	00775	07.36	35.19	27.54		1493.5							
	DBS	00800	07.17	35.15	27.53		1493.1							
	DBS	00825	06.80	35.13	27.57		1492.0							
	DBS	00882	06.40	35.14	27.63		1491.4							
	DBS	00892	06.66	35.23	27.67		1492.7							
	DBS	00900	06.53	35.19	27.65		1492.3							
	DBS	00950	05.93	35.10	27.66		1490.6							
	DBS	01000	05.67	35.11	27.70		1490.4							
	DBS	01038	05.66	35.13	27.72		1491.0							
	DBS	01100	05.36	35.11	27.74		1490.8							
	DBS	01200	05.01	35.09	27.77		1491.0							
	DBS	01258	04.97	35.10	27.78		1491.9							
	DBS	01272	04.72	35.06	27.78		1491.0							
	DBS	01277	04.80	35.09	27.79		1491.5							
	DBS	01300	04.50	35.03	27.78		1490.5							
	DBS	01400	04.31	35.03	27.80		1491.4							
	DBS	01500	04.16	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 04068	AIR TEMP 18.6	OIP HGT PER	WIND-DIR 05	INST STD RECDPDR	TEN SD 1206
CONSEC 0061	MONTH 06	SHIP OU	WET BULB 16.0	31 4 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 16	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FDP	DURATION 00.5	2 SQUARE 48
LONG 048 03 W	HDUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIG 642 061	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TGT P	NU2	NU3	SD3	P4
11.5	085	00000	20.94	36.38	25.58									
	085	00010	20.94	36.38	25.58		1526.3							
	085	00020	19.71	36.27	25.82		1526.4							
	085	00030	18.73	36.28	26.09		1523.2							
	085	00050	17.18	36.25	26.45		1520.6							
	085	00075	16.55	36.25	26.60		1516.4							
	085	00100	16.35	36.24	26.64		1514.7							
	085	00125	16.22	36.24	26.67		1514.7							
	085	00150	16.07	36.20	26.67		1514.6							
	085	00200	15.73	36.16	26.72		1514.4							
	085	00250	15.13	36.04	26.76		1513.2							
	085	00257	15.17	36.08	26.78		1513.5							
	085	00300	14.53	35.94	26.82		1512.0							
	085	00400	13.41	35.79	26.94		1509.8							
	085	00475	12.29	35.60	27.02		1507.0							
	085	00485	11.69	35.45	27.02		1504.9							
	085	00500	11.58	35.47	27.05		1504.8							
	085	00530	11.47	35.50	27.10		1505.0							
	085	00600	10.00	35.31	27.21		1500.6							
	085	00645	09.00	35.18	27.28		1497.5							
	085	00654	09.01	35.22	27.31		1497.8							
	085	00670	08.42	35.09	27.30		1495.7							
	085	00675	08.53	35.21	27.38		1496.3							
	085	00680	08.41	35.18	27.37		1495.9							
	085	00700	08.48	35.23	27.40		1496.6							
	085	00722	08.55	35.30	27.44		1497.3							
	085	00780	07.94	35.25	27.50		1495.9							
	085	00790	07.43	35.18	27.52		1494.0							
	085	00800	07.35	35.18	27.53		1493.8							
	085	00835	06.92	35.13	27.55		1492.7							
	085	00868	06.93	35.20	27.61		1493.3							
	085	00900	06.28	35.11	27.62		1491.2							
	085	00935	06.01	35.14	27.68		1490.7							
	085	00952	05.65	35.08	27.68		1489.5							
	085	00960	05.77	35.10	27.68		1490.1							
	085	00971	05.40	35.05	27.69		1488.7							
	085	00990	05.39	35.06	27.70		1489.0							
	085	01000	05.53	35.10	27.71		1489.8							
	085	01040	05.58	35.12	27.72		1490.7							
	085	01071	05.32	35.07	27.71		1490.1							
	085	01090	05.38	35.11	27.74		1490.7							
	085	01100	05.24	35.08	27.73		1490.3							
	085	01112	05.04	35.06	27.74		1489.6							
	085	01200	04.73	35.04	27.76		1489.8							
	085	01360	04.50	35.02	27.77		1490.5							
	085	01380	04.43	35.01	27.77		1491.2							
	085	01400	04.22	34.99	27.78		1491.0							
	085	01500	04.07	34.99	27.79		1492.0							

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TABLE XXI.—Continued

REFID 31	RL77	YEAR 1970	BLTOP 04572	AIR TEMP 19.4	OIP HGT PER	WIND-DIP 09	INST STO RECODER	TEN SQ 1206
CONSEC 0042	MONTH 06	SHIP CU	NET RULE 18.8	04 2 2	WIND-SPD 11	TRACE OIR 0	5 SQUARE 2	
LAT 34 56 N	DAY 16	DATA USE 1	PARAMET 1027.5	SEA	WIND-FJR	OUPATION 00.4	2 SQUARE 48	
LONG 048 03 W	HCUR 19.3	AREA 05	CLOUD T/A	CL/TP	WEATHER X1	CRIG E42 062	1 SQUARE 48	

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	S103	PH
19.3	OBS	00000	20.85	36.40	25.62		1526.1							
	OBS	00010	20.33	36.31	25.69		1524.7							
	OBS	00020	19.28	36.29	25.65		1522.0							
	OBS	00030	17.83	36.28	26.31		1518.0							
	OBS	00050	16.90	36.28	26.54		1515.6							
	OBS	00075	16.53	36.28	26.63		1514.9							
	OBS	00100	16.37	36.27	26.66		1514.8							
	OBS	00125	16.05	36.21	26.68		1514.2							
	OBS	00150	15.89	36.19	26.71		1514.1							
	OBS	00200	15.51	36.13	26.75		1513.7							
	OBS	00250	15.23	36.07	26.76		1513.5							
	OBS	00300	14.66	35.98	26.82		1512.4							
	OBS	00400	13.72	35.83	26.90		1510.8							
	OBS	00500	11.90	35.52	27.03		1506.0							
	OBS	00567	10.30	35.32	27.17		1501.2							
	OBS	00585	10.29	35.32	27.17		1501.4							
	OBS	00600	9.86	35.50	27.22		1500.1							
	OBS	00640	08.88	35.17	27.25		1497.0							
	OBS	00670	09.03	35.29	27.36		1498.2							
	OBS	00700	08.15	35.16	27.40		1495.2							
	OBS	00730	08.52	35.28	27.43		1497.3							
	OBS	00780	07.45	35.17	27.51		1493.9							
	OBS	00800	07.31	35.18	27.54		1493.7							
	OBS	00840	06.97	35.16	27.57		1493.0							
	OBS	00855	07.10	35.21	27.59		1493.8							
	OBS	00900	06.36	35.14	27.64		1491.5							
	OBS	00942	05.75	35.09	27.68		1489.7							
	OBS	00975	05.71	35.10	27.69		1490.1							
	OBS	00985	05.78	35.13	27.70		1490.6							
	OBS	01000	05.76	35.14	27.71		1490.8							
	OBS	01006	05.77	35.15	27.72		1491.0							
	OBS	01040	05.30	35.08	27.72		1489.5							
	OBS	01055	05.39	35.11	27.74		1490.2							
	OBS	01080	05.22	35.09	27.74		1489.9							
	OBS	01100	05.28	35.11	27.75		1490.5							
	OBS	01105	05.33	35.13	27.76		1490.8							
	OBS	01120	05.18	35.11	27.76		1490.4							
	OBS	01130	05.09	35.09	27.76		1490.2							
	OBS	01160	05.33	35.14	27.77		1491.7							
	OBS	01170	05.20	35.12	27.77		1491.3							
	OBS	01190	05.21	35.13	27.77		1491.7							
	OBS	01200	05.15	35.12	27.77		1491.6							
	OBS	01220	05.06	35.11	27.78		1491.6							
	OBS	01240	05.11	35.13	27.79		1492.2							
	OBS	01300	04.85	35.11	27.80		1492.1							
	OBS	01400	04.31	35.04	27.81		1491.4							
	OBS	01500	04.08	35.00	27.80		1492.1							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04755 AIR TEMP 19.4 DIR HGT PER WIND-DIR 07 INST STO RECORDER TEN SQ 1206  
 CONSEC 0063 MONTH 06 SHIP DU WET BULB 16.4 02 2 3 WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 17 DATA USE 1 BAROMETR 1029.1 SEA WIND-FDR DURATION 00.6 2 SQUARE 48  
 LONG 048 08 W HOUR 00.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 063 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TDT P	NO2	NO3	SI03	PH
00.7	08S	00000	20.90	36.42	25.62		1526.2							
	08S	00010	20.90	36.42	25.62		1526.4							
	08S	00020	19.79	36.19	25.74		1523.3							
	08S	00030	18.79	36.37	26.14		1520.9							
	08S	00050	17.54	36.29	26.39		1517.5							
	08S	00075	16.92	36.37	26.60		1516.2							
	08S	00100	16.63	36.31	26.62		1515.7							
	08S	00125	16.42	36.28	26.65		1515.4							
	08S	00150	16.30	36.27	26.67		1515.4							
	08S	00200	15.85	36.18	26.71		1514.8							
	08S	00250	15.36	36.08	26.74		1513.9							
	08S	00300	14.79	35.99	26.80		1512.9							
	08S	00312	14.56	35.93	26.80		1512.2							
	08S	00400	14.01	35.90	26.90		1511.9							
	08S	00430	13.41	35.78	26.93		1510.3							
	08S	00450	13.34	35.78	26.95		1510.4							
	08S	00500	12.54	35.65	27.01		1508.3							
	08S	00546	11.84	35.54	27.06		1506.6							
	08S	00600	10.49	35.33	27.14		1502.4							
	08S	00637	09.73	35.25	27.21		1500.2							
	08S	00647	09.81	35.33	27.26		1500.7							
	08S	00675	08.87	35.19	27.31		1497.6							
	08S	00689	08.97	35.25	27.34		1498.2							
	08S	00694	08.69	35.18	27.33		1497.2							
	08S	00700	08.76	35.27	27.39		1497.7							
	08S	00720	08.36	35.21	27.40		1496.4							
	08S	00734	08.33	35.22	27.42		1496.5							
	08S	00745	08.66	35.33	27.45		1498.1							
	08S	00800	07.91	35.19	27.46		1496.0							
	08S	00850	06.89	35.14	27.56		1492.8							
	08S	00900	06.67	35.18	27.63		1492.8							
	08S	00990	05.92	35.14	27.69		1491.3							
	08S	01000	05.52	35.08	27.70		1489.8							
	08S	01031	05.50	35.10	27.72		1490.2							
	08S	01050	05.28	35.07	27.72		1489.6							
	08S	01060	05.39	35.10	27.73		1490.3							
	08S	01100	05.19	35.08	27.74		1490.1							
	08S	01200	04.85	35.06	27.76		1490.3							
	08S	01300	04.64	35.05	27.78		1491.1							
	08S	01390	04.42	35.03	27.79		1491.7							
	08S	01400	04.53	35.07	27.81		1492.4							
	08S	01445	04.60	35.10	27.82		1493.5							
	08S	01500	04.47	35.07	27.81		1493.8							

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REFID 31 8177 YEAR 1970 BOTOP 03237 AIR TEMP 18.7 DIR HGT PER WIND-DIR 06 INST STO RECORDER TEN SQ 1206  
 CONSEC 0064 MONTH 06 SHIP DU WET BULB 15.3 05 2 3 WIND-SPO 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 17 DATA USE 1 BAROMETR 1028.7 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 08 W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 064 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TDT P	NO2	NO3	SI03	PH
06.6	08S	00000	20.54	36.41	25.71		1525.2							
	08S	00010	20.54	36.41	25.71		1525.4							
	08S	00020	19.43	36.23	25.87		1522.3							
	08S	00030	18.29	36.29	26.20		1519.4							
	08S	00050	16.90	36.28	26.54		1515.6							
	08S	00075	16.60	36.30	26.62		1515.2							
	08S	00100	16.49	36.30	26.65		1515.2							
	08S	00125	16.33	36.28	26.67		1515.1							
	08S	00150	16.22	36.26	26.68		1515.2							
	08S	00200	15.78	36.18	26.72		1514.6							
	08S	00250	15.28	36.09	26.77		1513.7							
	08S	00300	14.75	36.01	26.82		1512.8							
	08S	00400	13.55	35.79	26.91		1510.2							
	08S	00500	12.20	35.57	27.01		1507.1							
	08S	00575	10.96	35.42	27.13		1503.8							
	08S	00600	11.00	35.50	27.18		1504.5							
	08S	00645	10.43	35.41	27.22		1503.1							
	08S	00680	09.53	35.24	27.24		1500.1							
	08S	00700	09.20	35.27	27.32		1499.3							
	08S	00715	09.46	35.34	27.33		1500.6							
	08S	00730	08.69	35.17	27.32		1497.8							
	08S	00740	08.71	35.25	27.38		1498.1							
	08S	00755	08.33	35.17	27.38		1496.8							
	08S	00775	08.48	35.26	27.42		1497.8							
	08S	00800	07.78	35.16	27.45		1495.5							
	08S	00814	07.95	35.23	27.46		1496.4							
	08S	00825	07.71	35.19	27.49		1495.6							
	08S	00845	07.72	35.24	27.52		1496.1							
	08S	00890	07.41	35.28	27.60		1495.7							
	08S	00900	07.10	35.25	27.62		1494.6							
	08S	00940	06.78	35.19	27.62		1493.9							
	08S	00965	6.23	35.13	27.65		1492.1							
	08S	01000	05.96	35.14	27.69		1491.6							
	08S	01042	05.90	35.16	27.71		1492.1							
	08S	01050	05.95	35.18	27.72		1492.5							
	08S	01100	05.65	35.14	27.73		1492.0							
	08S	01143	05.09	35.07	27.74		1490.3							
	08S	01200	04.97	35.07	27.76		1490.8							
	08S	01300	04.80	35.07	27.78		1491.8							
	08S	01310	04.68	35.06	27.78		1491.5							
	08S	01410	04.45	35.04	27.79		1492.2							
	08S	01500	04.26	35.02	27.80		1492.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 03107 AIR TEMP 19.1 DIP HGT PER WIND-DIP 03 INST STO RECORDER TEN SQ 1206  
 CCNSEC 0065 MONTH 06 SHIP OU WET RULB 15.3 07 2 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 17 DATA USE 1 BAPGHEP 1029.7 SEA WIND-FOR 00.9 2 SQUARE 48  
 LONG 048 10 W HOUR 1222 AREA 05 CLGUO T/A CL/TF WEATHER X1 DRIG E42 065 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SI-MAT	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	UBS	00000	21.08	36.40	25.56		1526.7							
	UBS	00010	21.04	36.41	25.57		1526.7							
	UBS	00020	21.02	36.40	25.57		1526.8							
	UBS	00030	19.37	36.30	25.44		1522.4							
	UBS	00050	17.02	36.28	25.51		1516.0							
	UBS	00075	16.66	36.33	26.63		1515.4							
	UBS	00100	16.55	36.33	26.66		1515.4							
	UBS	00125	16.39	36.30	26.67		1515.3							
	UBS	00150	16.17	36.26	26.69		1515.0							
	UBS	00200	15.92	36.18	26.69		1515.0							
	UBS	00250	15.22	36.10	26.79		1513.5							
	UBS	00260	14.90	36.05	26.82		1512.6							
	UBS	00270	14.94	36.07	26.83		1512.9							
	UBS	00300	14.48	36.00	26.87		1511.9							
	UBS	00400	13.40	35.81	26.96		1509.8							
	UBS	00445	12.94	35.75	27.00		1508.9							
	UBS	00500	11.77	35.56	27.09		1505.0							
	UBS	00540	11.12	35.46	27.13		1503.8							
	UBS	00590	09.79	35.33	27.26		1499.7							
	UBS	00600	09.91	35.37	27.28		1500.4							
	UBS	00660	08.90	35.30	27.39		1497.6							
	UBS	00690	08.72	35.28	27.40		1497.4							
	UBS	00700	08.50	35.26	27.42		1496.7							
	UBS	00720	07.87	35.18	27.45		1494.5							
	UBS	00760	07.48	35.16	27.50		1493.6							
	UBS	00765	07.56	35.20	27.52		1494.1							
	UBS	00790	07.27	35.20	27.56		1493.4							
	UBS	00800	07.27	35.20	27.56		1493.5							
	UBS	00880	06.48	35.17	27.64		1491.7							
	UBS	00900	06.46	35.21	27.68		1492.0							
	UBS	00925	06.54	35.24	27.69		1492.8							
	UBS	00960	06.10	35.19	27.71		1491.6							
	UBS	01000	05.87	35.17	27.72		1491.3							
	UBS	01080	05.32	35.12	27.75		1490.3							
	UBS	01090	05.36	35.13	27.76		1490.7							
	UBS	01100	05.29	35.12	27.76		1490.5							
	UBS	01160	04.81	35.06	27.77		1489.0							
	UBS	01200	04.84	35.09	27.79		1490.3							
	UBS	01240	04.85	35.09	27.79		1491.0							
	UBS	01265	05.08	35.15	27.81		1492.5							
	UBS	01300	04.85	35.11	27.80		1492.1							
	UBS	01305	04.78	35.10	27.80		1491.9							
	UBS	01320	04.95	35.14	27.81		1492.9							
	UBS	01350	04.74	35.11	27.81		1492.5							
	UBS	01355	04.78	35.11	27.81		1492.7							
	UBS	01400	04.61	35.09	27.81		1492.7							
	UBS	01450	04.52	35.07	27.81		1493.2							
	UBS	01460	04.37	35.05	27.81		1492.7							
	UBS	01500	04.22	35.04	27.82		1492.7							

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TABLE XXI.—Continued

REF ID 31 8177 YEAR 1970 BOTDP 03658 AIR TEMP 20.0 DIR HGT PER WIND-DIR 07 INST STO RECORDER TEN SQ 1206  
 CONSEC 0066 MONTH 06 SHIP DU WET BULB 16.0 00 0 Y WIND-SPD 05 TRACE DIR 0  
 LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1029.2 SEA CL/TP WIND-FOR DURATION 00.5  
 LONG 048 03 W HOUR 18.3 AREA 05 CLOUD T/A WEATHER Y1 ORIG E42 066 1 SQUARE 48  
 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	CHYG	P14	TOT P	NO2	NO3	SI03	PH
18.3	DBS	00000	21.58	36.39	25.41		152F.0							
	DBS	00010	21.10	36.38	25.53		1526.9							
	DBS	00020	19.75	36.30	25.84		1523.3							
	DBS	00030	18.73	36.29	26.05		1520.6							
	DBS	00050	17.66	36.23	26.31		1517.8							
	DBS	00075	16.45	36.28	26.64		1514.7							
	DBS	00100	16.32	36.25	26.65		1514.7							
	DBS	00125	16.19	36.25	26.68		1514.7							
	DBS	00150	16.12	36.23	26.68		1514.8							
	DBS	00200	15.54	36.14	26.75		1513.8							
	DBS	00250	15.01	36.04	26.79		1512.8							
	DBS	00300	14.52	35.96	26.83		1512.0							
	DBS	00400	13.57	35.83	26.94		1510.4							
	DBS	00450	12.78	35.67	26.97		1508.3							
	DBS	00500	11.53	35.44	27.04		1504.6							
	DBS	00533	10.90	35.40	27.12		1502.9							
	DBS	00540	11.01	35.49	27.17		1503.5							
	DBS	00556	10.95	35.47	27.17		1503.5							
	DBS	00600	10.17	35.38	27.24		1501.3							
	DBS	00629	09.33	35.24	27.27		1498.6							
	DBS	00662	08.47	35.14	27.33		1495.8							
	DBS	00690	08.03	35.15	27.41		1494.6							
	DBS	00700	08.38	35.25	27.43		1496.2							
	DBS	00704	08.19	35.20	27.42		1495.5							
	DBS	00722	08.41	35.32	27.48		1496.8							
	DBS	00744	08.21	35.30	27.50		1496.4							
	DBS	00790	07.18	35.14	27.52		1492.9							
	DBS	00800	07.12	35.17	27.56		1492.9							
	DBS	00805	06.96	35.16	27.57		1492.4							
	DBS	00850	06.91	35.21	27.62		1493.0							
	DBS	00900	06.16	35.14	27.66		1490.7							
	DBS	00952	05.72	35.10	27.65		1489.8							
	DBS	00972	05.79	35.13	27.70		1490.4							
	DBS	00978	05.69	35.12	27.71		1490.1							
	DBS	01000	05.71	35.13	27.71		1490.6							
	DBS	01050	05.33	35.10	27.74		1489.8							
	DBS	01068	05.45	35.14	27.75		1490.7							
	DBS	01096	05.25	35.10	27.75		1490.3							
	DBS	01100	05.08	35.07	27.74		1489.6							
	DBS	01117	04.99	35.07	27.75		1489.5							
	DBS	01137	05.06	35.09	27.76		1490.2							
	DBS	01200	04.67	35.04	27.77		1489.6							
	DBS	01240	04.65	35.06	27.78		1490.2							
	DBS	01300	04.37	35.01	27.78		1490.0							
	DBS	01400	04.23	35.00	27.78		1491.0							
	DBS	01500	04.05	34.98	27.75		1491.9							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BUTDP 04389 AIR TRF 20.0 DIF H/T R/P WIND-DIR U- INST STD PECDK RE TEN SU 1206  
 CONSEC 0067 MONTH N SHIP IDL WFT SUR 17.0 WIND-SPD OF TRACE DIR 0 C SHARE 4  
 LAT 35 00 N DAY 17 DATA USE 1 AREA WTS 1029.6 SEA WIND-FCR INDIATION 00.0 2 SHARE 49  
 LONG 048 15 W HOUR 23.9 CLOUD 77.0 CL/FR WATHER X) CHG F42 267 1 SHARE 50

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	T/TEMP-T	DYNDPTH	SND VEL	XYG	P 4	T P	A02	A03	CL 3	PH
23.9	DBS	00000	21.31	36.79	20.48		1527.3							
	DBS	00010	21.05	36.77	20.54		1526.7							
	DBS	00020	19.65	36.27	20.94		1525.0							
	DBS	00030	18.28	36.23	20.16		1519.3							
	DBS	00050	17.08	36.27	20.49		1516.1							
	DBS	00075	16.61	36.28	20.61		1515.2							
	DBS	00100	16.52	36.31	20.15		1515.3							
	DBS	00125	16.40	36.35	20.66		1515.4							
	DBS	00150	16.22	36.26	20.66		1515.2							
	DBS	00200	15.77	36.17	20.72		1514.5							
	DBS	00250	15.47	36.12	20.75		1514.3							
	DBS	00300	14.78	36.30	20.71		1512.8							
	DBS	00400	13.34	35.77	20.44		1509.5							
	DBS	00500	11.72	35.53	20.17		1504.4							
	DBS	00522	11.19	35.42	20.09		1503.7							
	DBS	00600	10.01	35.31	20.11		1500.7							
	DBS	00631	09.90	35.35	20.26		1500.8							
	DBS	00661	08.99	35.21	20.10		1497.8							
	DBS	00679	08.82	35.21	20.33		1497.5							
	DBS	00690	08.92	35.26	20.30		1498.1							
	DBS	00700	08.86	35.30	20.35		1498.1							
	DBS	00715	08.76	35.27	20.49		1497.9							
	DBS	00721	08.66	35.33	20.42		1498.5							
	DBS	00750	07.92	35.17	20.44		1495.2							
	DBS	00799	07.95	35.20	20.46		1495.5							
	DBS	00800	07.26	35.15	20.52		1493.3							
	DBS	00840	07.23	35.15	20.52		1493.3							
	DBS	00890	07.03	35.18	20.58		1493.2							
	DBS	00900	06.56	35.16	20.63		1492.2							
	DBS	00920	06.60	35.19	20.64		1492.6							
	DBS	00960	06.64	35.20	20.65		1493.1							
	DBS	00985	05.91	35.11	20.67		1491.0							
	DBS	11000	05.62	35.12	20.65		1491.0							
	DBS	11200	05.62	35.06	20.63		1490.5							
	DBS	11600	05.60	35.13	20.73		1491.1							
	DBS	11100	05.19	35.08	20.74		1490.1							
	DBS	01190	04.95	35.06	20.77		1490.0							
	DBS	01200	05.16	35.14	20.74		1491.7							
	DBS	01240	05.29	35.15	20.76		1492.9							
	DBS	01300	05.05	35.13	20.79		1492.9							
	DBS	01400	04.55	35.06	20.80		1492.5							
	DBS	01430	04.42	35.34	20.75		1492.4							
	DBS	01442	04.48	35.06	20.80		1492.9							
	DBS	01500	04.14	35.11	20.80		1492.4							

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# TABLE XXI.—Continued

RFFLO 31 8177	YEAR 1970	BOTOP 04572	AIR TEMP 19.4	OIF HGT PER	WIND-OIF 07	INSY STD RECORDER	TEN SQ 1206
CUNSEL 0068	MONTH 06	SHIP 00	WET BULB 16.8	02 1 2	WIND-SPO 13	TRACE OIP 0	5 SQUARE 2
LAT 34 59 N	DAY 18	DATA USE 1	BAROMETR 1029.3	SEA	WIND-FOR	ORPAT13N 07.4	2 SQUARE 46
LONG 047 58 W	HOUE 06.0	AREA 05	CLDUP T/3	CL/T0	WEATHER XI	ORIG E42 06a	1 SQUARE 47

CASTNO/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PH	TOT P	NO2	NO3	SIO3	PH
06.0	08S	00000	20.97	36.41	27.94		1526.4							
	08S	00010	20.96	36.42	28.00		1526.5							
	08S	00020	20.96	36.42	28.00		1526.7							
	08S	00030	20.83	36.38	28.01		1526.5							
	08S	00050	18.28	36.23	28.16		1516.6							
	08S	00075	16.59	36.26	28.20		1515.0							
	08S	00109	16.41	36.26	28.24		1514.9							
	08S	00125	16.27	36.26	28.27		1514.7							
	08S	00150	16.18	36.24	28.28		1515.0							
	08S	00200	15.51	36.13	28.75		1513.7							
	08S	00220	15.53	36.14	28.75		1514.1							
	08S	00250	15.29	36.07	28.75		1513.7							
	08S	00300	14.73	35.99	28.80		1512.8							
	08S	00400	13.45	35.78	28.92		1509.9							
	08S	00500	11.93	35.51	27.02		1506.1							
	08S	00520	11.31	35.37	27.03		1504.1							
	08S	00525	11.37	35.49	27.11		1504.5							
	08S	00540	11.19	35.44	27.10		1504.1							
	08S	00552	11.18	35.47	27.13		1504.3							
	08S	00600	09.78	35.27	27.22		1499.9							
	08S	00670	08.33	35.15	27.36		1495.4							
	08S	00680	08.27	35.14	27.36		1495.3							
	08S	00685	08.33	35.19	27.59		1495.7							
	08S	00700	08.25	35.20	27.41		1495.6							
	08S	00730	08.09	35.23	27.46		1495.6							
	08S	00760	07.53	35.16	27.49		1493.8							
	08S	00800	07.05	35.15	27.55		1492.6							
	08S	00820	07.02	35.18	27.58		1492.9							
	08S	00850	06.83	35.18	27.60		1492.6							
	08S	00870	06.45	35.14	27.62		1491.4							
	08S	00900	06.13	35.13	27.66		1490.6							
	08S	00950	05.80	35.11	27.65		1490.1							
	08S	01000	05.30	35.06	27.71		1489.8							
	08S	01010	05.23	35.06	27.73		1488.7							
	08S	01030	05.44	35.12	27.74		1490.0							
	08S	01060	05.15	35.08	27.74		1489.3							
	08S	01070	05.22	35.10	27.75		1489.7							
	08S	01100	04.82	35.03	27.74		1488.5							
	08S	01135	04.60	34.99	27.73		1488.1							
	08S	01150	04.60	35.01	27.74		1488.6							
	08S	01200	04.55	35.00	27.75		1488.0							
	08S	01300	04.36	35.00	27.77		1490.0							
	08S	01330	04.22	34.97	27.74		1489.8							
	08S	01400	04.15	34.99	27.78		1490.7							
	08S	01450	04.11	34.98	27.78		1491.4							
	08S	01500	03.95	34.96	27.78		1491.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 0274.5 AIR TEMP 20.2 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206  
 CONSEC 0069 MONTH 05 SHIP DU WET BULB 16.4 05 2 3 WIND-SPO 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1030.2 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 11.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 PRIG E42 069 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
11.4	UBS	00000	21.11	36.39	25.54		1526.7							
	UBS	00010	21.10	36.39	25.54		1526.9							
	UBS	00020	20.53	36.31	25.64		1525.4							
	UBS	00030	19.13	36.29	25.79		1521.7							
	UBS	00050	17.40	36.28	26.42		1517.1							
	UBS	00075	16.59	36.26	26.60		1515.1							
	UBS	00100	16.42	36.26	26.64		1515.0							
	UBS	00125	16.34	36.26	26.65		1515.1							
	UBS	00150	16.08	36.23	26.69		1514.7							
	UBS	00200	15.69	36.17	26.74		1514.3							
	UBS	00250	15.26	36.08	26.76		1513.6							
	UBS	00300	14.60	35.99	26.84		1512.3							
	UBS	00400	13.53	35.78	26.91		1510.2							
	UBS	00500	11.93	35.54	27.04		1506.1							
	UBS	00600	10.06	35.33	27.22		1500.9							
	UBS	00650	09.47	35.31	27.30		1499.5							
	UBS	00660	09.40	35.29	27.30		1499.4							
	UBS	00670	09.00	35.21	27.30		1498.0							
	UBS	00683	09.05	35.20	27.36		1498.5							
	UBS	00700	08.80	35.23	27.35		1497.8							
	UBS	00725	08.01	35.13	27.35		1495.1							
	UBS	00735	08.38	35.23	27.42		1496.8							
	UBS	00760	07.53	35.12	27.46		1493.3							
	UBS	00780	07.60	35.19	27.50		1494.5							
	UBS	00800	07.21	35.11	27.50		1493.2							
	UBS	00830	07.06	35.18	27.57		1493.2							
	UBS	00860	06.80	35.16	27.59		1492.6							
	UBS	00873	06.48	35.10	27.59		1491.5							
	UBS	00900	06.42	35.17	27.65		1491.8							
	UBS	00915	06.48	35.22	27.68		1492.4							
	UBS	01000	05.70	35.11	27.70		1490.5							
	UBS	01100	05.05	35.07	27.75		1489.5							
	UBS	01135	04.90	35.05	27.75		1489.4							
	UBS	01200	05.21	35.14	27.76		1491.9							
	UBS	01230	04.95	35.09	27.77		1491.3							
	UBS	01255	04.89	35.08	27.77		1491.4							
	UBS	01290	05.02	35.13	27.80		1492.6							
	UBS	01300	04.99	35.12	27.75		1492.7							
	UBS	01340	04.63	35.06	27.75		1491.8							
	UBS	01365	04.68	35.08	27.80		1492.4							
	UBS	01400	04.58	35.06	27.75		1492.6							
	UBS	01500	04.21	35.02	27.80		1492.7							

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REFID 31 8177 YEAR 1970 BOTOP 04480 AIR TEMP 22.6 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0070 MONTH 06 SHIP DU WET BULB 19.0 06 1 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 18 DATA USE 1 BAROMETR 1029.2 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 16 W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 PRIG E42 070 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TCT P	NO2	NO3	S103	PH
19.2	UBS	00000	21.49	36.41	25.45		1527.7							
	UBS	00010	20.94	36.39	25.56		1526.4							
	UBS	00020	19.73	36.27	25.72		1523.2							
	UBS	00030	18.88	36.27	26.04		1521.0							
	UBS	00050	16.94	36.29	26.74		1515.7							
	UBS	00075	16.51	36.27	26.82		1514.8							
	UBS	00100	16.44	36.26	26.85		1515.1							
	UBS	00125	16.21	36.25	26.88		1514.7							
	UBS	00150	16.03	36.21	26.95		1514.2							
	UBS	00200	15.55	36.12	26.97		1513.5							
	UBS	00250	14.96	36.00	26.97		1512.6							
	UBS	00300	14.53	35.95	26.92		1512.0							
	UBS	00372	13.95	35.90	26.91		1511.7							
	UBS	00400	13.46	35.77	26.91		1509.9							
	UBS	00420	13.26	35.76	26.95		1509.6							
	UBS	00452	12.60	35.62	26.96		1507.9							
	UBS	00462	12.62	35.65	26.94		1508.0							
	UBS	00500	11.80	35.50	27.13		1505.6							
	UBS	00600	09.78	35.27	27.24		1499.8							
	UBS	00620	09.84	35.33	27.26		1500.4							
	UBS	00650	08.93	35.19	27.40		1497.4							
	UBS	00668	08.76	35.22	27.35		1497.1							
	UBS	00700	08.90	35.33	27.41		1498.3							
	UBS	00730	08.60	35.30	27.44		1497.6							
	UBS	00760	07.87	35.20	27.47		1495.2							
	UBS	00789	07.67	35.20	27.40		1494.9							
	UBS	00800	07.42	35.20	27.54		1494.1							
	UBS	00815	07.20	35.17	27.54		1493.5							
	UBS	00860	06.97	35.21	27.61		1493.4							
	UBS	00900	06.43	35.13	27.62		1491.8							
	UBS	00922	06.57	35.24	27.69		1492.9							
	UBS	01000	06.12	35.18	27.70		1492.3							
	UBS	01058	05.43	35.10	27.72		1490.4							
	UBS	01100	05.21	35.08	27.73		1490.2							
	UBS	01200	04.93	35.09	27.78		1490.7							
	UBS	01233	04.96	35.10	27.78		1491.4							
	UBS	01300	04.51	35.03	27.78		1490.6							
	UBS	01332	04.46	35.03	27.78		1490.9							
	UBS	01345	04.63	35.06	27.80		1491.9							
	UBS	01400	04.51	35.05	27.75		1492.3							
	UBS	01423	04.61	35.08	27.80		1493.1							
	UBS	01496	04.41	35.05	27.80		1493.5							
	UBS	01500	04.23	35.05	27.82		1492.8							

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TABLE XXI.—Continued

REF ID 31 8177 YF44 1970 BGIDP 02743 AIR TEMP 20.0 DIR HGT PEP WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSER 0071 MONTH 06 SHIP DU WET BULB 17.4 OB 2 3 WIND-SPD 10 TRACE 01K 0 5 SQUARE 4  
 LAT 35 01 N DAY 16 DATA USE 1 BAROMETR 1030.2 SEA CL/TR WIND-FCK GURATION 00.5 2 SQUARE 48  
 LENC 04P 00 W HOUR 23.6 AREA 05 CLOUD 1/A WEATHER X1 CRIG E42 07. 1 SQUARE 58

LASTRAU/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIP3	PH
23.6	08S	00000	21.42	36.40	25.46		1527.6							
	08S	00010	21.26	36.39	25.40		1527.3							
	08S	00020	20.98	36.31	25.31		1526.6							
	08S	00030	18.90	36.28	20.04		1521.1							
	08S	00050	17.08	36.31	24.52		1516.2							
	08S	00075	16.70	36.33	24.62		1515.5							
	08S	00100	16.40	36.28	26.66		1514.9							
	08S	00125	16.18	36.25	26.68		1514.6							
	08S	00150	16.05	36.23	26.70		1514.6							
	08S	00200	15.63	36.16	26.74		1514.1							
	08S	00250	15.02	36.03	26.78		1512.8							
	08S	00300	14.47	35.96	26.85		1511.8							
	08S	00400	13.33	35.78	26.95		1505.5							
	08S	00500	11.78	35.51	27.05		1505.6							
	08S	00600	10.09	35.35	27.23		1501.0							
	08S	00633	09.55	35.29	27.27		1499.5							
	08S	00644	09.61	35.32	27.29		1500.0							
	08S	00700	08.38	35.20	27.35		1496.1							
	08S	00711	08.36	35.20	27.40		1496.2							
	08S	00730	07.86	35.17	27.45		1494.6							
	08S	00740	08.24	35.24	27.48		1496.4							
	08S	00780	07.35	35.16	27.52		1493.5							
	08S	00789	07.40	35.19	27.53		1493.8							
	08S	00800	07.26	35.18	27.54		1493.5							
	08S	00841	06.74	35.16	27.60		1492.1							
	08S	00860	06.78	35.22	27.64		1492.6							
	08S	00900	06.57	35.21	27.66		1492.5							
	08S	01000	05.61	35.12	27.72		1490.2							
	08S	01032	05.58	35.13	27.73		1490.5							
	08S	01100	05.13	35.08	27.74		1489.8							
	08S	01118	05.26	35.12	27.76		1490.7							
	08S	01123	05.16	35.10	27.76		1490.4							
	08S	01158	05.12	35.11	27.77		1490.8							
	08S	01181	04.79	35.06	27.77		1489.8							
	08S	01200	04.94	35.09	27.77		1490.7							
	08S	01210	04.95	35.10	27.78		1491.0							
	08S	01219	04.78	35.07	27.78		1490.4							
	08S	01240	04.85	35.09	27.79		1491.0							
	08S	01250	04.75	35.07	27.78		1490.8							
	08S	01265	04.90	35.11	27.80		1491.7							
	08S	01278	04.69	35.07	27.79		1491.0							
	08S	01290	04.88	35.11	27.80		1492.0							
	08S	01300	04.84	35.11	27.80		1492.0							
	08S	01400	04.53	35.06	27.80		1492.4							
	08S	01500	04.14	35.01	27.60		1492.4							

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TABLE XXI.—Continued

REFID 31 6177	YFAR 1970	BOTOP 03201	AIR TEMP 20.4	OIR HGT PEF	WIND-OIR 10	INST STD RECOPEP	TEN SQ 1206
CONSEC 0072	MONTH 06	SHIP OU	WFT BULK 1P.C	05 1 2	WIND-SPD 09	TRACE OIR 0	5 SQUARE 4
LAT 35 02 N	DAY 19	DATA USE 1	BAROMETF 1029.6	SEA	WIND-FDP	DURATION 00.5	2 SQUARE 48
LCNG 048 02 W	MOUF 06.2	AREA 05	CLGUD T/A	CL/TP	WEATHER X1	ORIG E42 072	1 SQUARE 58

CASSTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	OXYG	PC4	TGT P	NC2	NC3	SIC3	PH
06.2	08S	0000	21.27	36.40	25.50		1527.2							
	08S	00010	21.25	36.40	25.51		1527.3							
	08S	00020	21.25	36.40	25.51		1527.4							
	08S	00030	19.38	36.21	25.87		1522.3							
	08S	00050	16.98	36.23	26.48		1515.8							
	08S	00075	16.61	36.28	26.61		1515.2							
	08S	00080	16.71	36.32	26.61		1515.6							
	08S	00100	16.45	36.28	26.64		1515.1							
	08S	00125	16.26	36.25	26.67		1514.9							
	08S	00150	16.15	36.24	26.68		1514.9							
	08S	00200	15.77	36.18	26.72		1514.5							
	08S	00250	15.50	36.13	26.75		1514.4							
	08S	00300	14.78	36.01	26.82		1512.9							
	08S	00372	13.68	35.83	26.91		1510.3							
	08S	00393	13.67	35.84	26.92		1510.6							
	08S	00400	13.59	35.93	26.93		1510.4							
	08S	00500	12.08	35.56	27.03		1506.7							
	08S	00540	11.08	35.43	27.11		1503.7							
	08S	00563	10.79	35.38	27.13		1503.0							
	08S	00573	10.85	35.44	27.16		1503.4							
	08S	00600	10.35	35.38	27.21		1502.0							
	08S	00640	09.81	35.33	27.26		1500.6							
	08S	00700	08.33	35.17	27.36		1495.9							
	08S	00705	08.40	35.21	27.40		1496.3							
	08S	00710	08.26	35.18	27.40		1495.8							
	08S	00715	08.44	35.27	27.44		1496.7							
	08S	00720	08.15	35.20	27.43		1495.6							
	08S	00738	08.41	35.30	27.47		1497.0							
	08S	00745	08.05	35.23	27.47		1495.7							
	08S	00750	08.30	35.32	27.50		1496.8							
	08S	00770	08.13	35.29	27.50		1496.5							
	08S	00800	07.39	35.18	27.53		1494.0							
	08S	00840	06.89	35.16	27.58		1492.7							
	08S	00855	07.11	35.23	27.60		1493.9							
	08S	00900	06.45	35.15	27.63		1491.9							
	08S	00910	06.03	35.08	27.63		1490.3							
	08S	00930	06.02	35.12	27.67		1490.7							
	08S	01000	05.53	35.07	27.69		1489.8							
	08S	01020	05.35	35.08	27.72		1489.4							
	08S	01040	05.40	35.10	27.73		1490.0							
	08S	01050	05.30	35.08	27.72		1489.7							
	08S	01080	05.34	35.11	27.74		1490.4							
	08S	01090	05.18	35.10	27.75		1489.9							
	08S	01100	05.16	35.10	27.76		1490.0							
	08S	01140	05.06	35.08	27.75		1490.2							
	08S	01180	04.67	35.04	27.77		1489.2							
	08S	01200	04.71	35.04	27.76		1489.7							
	08S	01205	04.53	35.02	27.77		1489.0							
	08S	01210	04.66	35.05	27.78		1489.7							
	08S	01300	04.37	35.02	27.78		1490.0							
	08S	01322	04.24	35.00	27.78		1489.8							
	08S	01400	04.16	34.99	27.78		1490.7							
	08S	01500	04.09	35.00	27.80		1492.1							

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TABLE XXI.—Continued

REFID 31 8177	YEAP 1970	8DTOP 03383	AIR TEMP 20.8	OIR HGT PER	WIND-OIR 12	INST STO RECORDER	TEN SQ 1206
CONSEC 0073	MONTH 06	SHIP OU	WET BULB 18.1	07 2 2	WIND-SPD 08	TRACE OIR 0	5 SQUARE 4
LAT 35 01 N	OAY 19	DATA USE 1	BAROMETR 1029.7	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 48
LONG 048 04 W	HOUR 11.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 073	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
11.2	085	00000	21.24	36.41	25.52		1527.1							
	085	00010	21.22	36.41	25.52		1527.2							
	085	00020	20.03	36.27	25.74		1524.0							
	085	00030	18.78	36.25	26.05		1520.7							
	085	00050	16.85	36.25	26.53		1515.4							
	085	00075	16.48	36.26	26.62		1514.7							
	085	00100	16.33	36.25	26.65		1514.7							
	085	00125	16.20	36.24	26.67		1514.7							
	085	00150	16.06	36.21	26.68		1514.6							
	085	00200	15.63	36.15	26.73		1514.1							
	085	00250	15.18	36.03	26.74		1513.3							
	085	00300	14.31	35.92	26.85		1511.2							
	085	00335	14.15	35.91	26.88		1511.3							
	085	00400	13.28	35.77	26.95		1509.3							
	085	00442	12.86	35.71	26.99		1508.5							
	085	00500	11.78	35.49	27.03		1505.5							
	085	00530	10.90	35.39	27.12		1502.8							
	085	00555	10.78	35.43	27.17		1502.9							
	085	00600	09.80	35.32	27.26		1499.9							
	085	00620	09.68	35.33	27.28		1499.8							
	085	00690	08.00	35.15	27.41		1494.5							
	085	00700	08.08	35.19	27.43		1495.0							
	085	00715	08.30	35.27	27.46		1496.2							
	085	00740	08.30	35.29	27.48		1496.6							
	085	00800	07.18	35.18	27.56		1493.2							
	085	00830	06.95	35.17	27.58		1492.7							
	085	00855	07.10	35.24	27.61		1493.8							
	085	00900	06.03	35.11	27.66		1490.2							
	085	00910	05.95	35.11	27.67		1490.0							
	085	00920	06.03	35.14	27.68		1490.6							
	085	00965	05.79	35.12	27.70		1490.3							
	085	00995	05.44	35.09	27.72		1489.4							
	085	01000	05.50	35.11	27.72		1489.7							
	085	01030	05.27	35.10	27.74		1489.3							
	085	01050	05.40	35.11	27.74		1490.1							
	085	01100	05.17	35.09	27.75		1490.0							
	085	01130	04.85	35.04	27.75		1489.1							
	085	01165	04.91	35.07	27.76		1490.0							
	085	01200	04.62	35.02	27.76		1489.3							
	085	01300	04.41	35.02	27.78		1490.1							
	085	01400	04.28	35.01	27.79		1491.3							
	085	01420	04.17	34.99	27.78		1491.1							
	085	01500	04.08	34.98	27.78		1492.1							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTDP 03200	AIR TEMP 22.8	OIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1206
CONSEC 0074	MONTH 06	SHIP 00	WET BULF 19.8	06 1 3	WIND-SPD 0P	TRACE OIR 0	5 SQUARE 4
LAT 35 01 N	DAY 19	DATA USE 1	BAROMETP 1029.5	SEA	WIND-FDP	DURATION 00.5	2 SQUARE 4A
LCNG 04B 02 W	HOUP 18.1	AREA 05	CLOUD T/4	CL/TR	WEATHER XI	ORIG E42 074	1 SQUARE 5B

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
18.1	OBS	00000	21.58	36.41	25.43		1528.0							
	OBS	00010	21.31	36.39	25.48		1527.4							
	OBS	00020	21.28	36.39	25.49		1527.5							
	OBS	00030	19.94	36.25	25.75		1523.9							
	OBS	00050	18.04	36.23	26.22		1518.9							
	OBS	00075	16.57	36.28	26.62		1515.0							
	OBS	00100	16.42	36.28	26.65		1515.0							
	OBS	00125	16.24	36.25	26.67		1514.8							
	OBS	00150	16.13	36.24	26.69		1514.9							
	OBS	00200	15.73	36.19	26.74		1514.4							
	OBS	00250	15.32	36.10	26.77		1513.8							
	OBS	00300	14.75	35.99	26.81		1512.7							
	OBS	00400	13.38	35.79	26.54		1509.7							
	OBS	00470	12.61	35.66	27.00		1508.1							
	OBS	00500	11.81	35.46	27.00		1505.6							
	OBS	00520	11.48	35.47	27.07		1504.8							
	OBS	00535	11.00	35.39	27.10		1503.2							
	OBS	00574	10.88	35.45	27.17		1503.5							
	OBS	00600	10.24	35.35	27.20		1501.6							
	OBS	00653	09.64	35.32	27.28		1500.2							
	OBS	00700	08.64	35.17	27.28		1498.2							
	OBS	00715	08.06	35.13	27.39		1495.1							
	OBS	00751	08.35	35.30	27.48		1497.0							
	OBS	00791	07.90	35.25	27.51		1495.9							
	OBS	00800	07.54	35.17	27.50		1494.5							
	OBS	00820	07.14	35.16	27.55		1493.3							
	OBS	00845	06.95	35.15	27.56		1493.0							
	OBS	00870	07.02	35.23	27.62		1493.8							
	OBS	00900	06.29	35.10	27.61		1491.2							
	OBS	00935	05.87	35.10	27.67		1490.1							
	OBS	00940	05.99	35.14	27.69		1490.7							
	OBS	00951	05.75	35.12	27.70		1489.9							
	OBS	00970	05.74	35.12	27.70		1490.2							
	OBS	01000	05.40	35.08	27.71		1489.3							
	OBS	01040	05.43	35.11	27.73		1490.1							
	OBS	01050	05.22	35.07	27.73		1489.4							
	OBS	01063	05.35	35.14	27.77		1490.2							
	OBS	01100	05.14	35.11	27.77		1489.9							
	OBS	01140	05.08	35.10	27.77		1490.3							
	OBS	01200	04.69	35.04	27.76		1489.7							
	OBS	01210	04.76	35.06	27.77		1490.1							
	OBS	01230	04.61	35.04	27.77		1489.8							
	OBS	01300	04.48	35.03	27.78		1490.4							
	OBS	01345	04.25	34.99	27.77		1490.2							
	OBS	01400	04.19	35.00	27.79		1490.9							
	OBS	01500	04.06	34.99	27.79		1492.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BDTOP 04389 AIR TEMP 21.0 DIP HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CDNSEC 0075 MONTH 06 SHIP DU WET BULB 18.0 06 0 2 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 20 DATA USE 1 BAROMETR 1029.9 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 00.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E42 075 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	DXYG	PD4	TOT P	ND2	ND3	S103	PH
00.6	DBS	00000	21.44	36.44	25.45		1527.7							
	DBS	00010	21.27	36.41	25.51		1527.3							
	DBS	00020	20.77	36.36	25.61		1526.1							
	DBS	00030	18.77	36.30	26.09		1520.7							
	DBS	00050	17.02	36.29	26.52		1516.0							
	DBS	00075	16.59	36.27	26.60		1515.1							
	DBS	00100	16.48	36.28	26.64		1515.2							
	DBS	00125	16.30	36.27	26.67		1515.0							
	DBS	00150	16.21	36.25	26.68		1515.1							
	DBS	00200	15.67	36.14	26.72		1514.2							
	DBS	00250	14.91	36.03	26.80		1512.5							
	DBS	00282	14.40	35.92	26.83		1511.2							
	DBS	00300	14.36	35.93	26.85		1511.4							
	DBS	00400	13.27	35.77	26.95		1509.3							
	DBS	00440	12.78	35.70	27.00		1508.2							
	DBS	00500	11.32	35.43	27.07		1503.9							
	DBS	00515	11.15	35.43	27.10		1503.5							
	DBS	00525	11.19	35.50	27.15		1503.9							
	DBS	00578	10.32	35.38	27.21		1501.5							
	DBS	00600	09.73	35.38	27.24		1499.6							
	DBS	00650	08.57	35.19	27.35		1496.0							
	DBS	00668	08.36	35.16	27.46		1495.5							
	DBS	00678	08.40	35.19	27.38		1495.8							
	DBS	00700	08.21	35.21	27.43		1495.5							
	DBS	00713	08.26	35.25	27.45		1496.0							
	DBS	00755	07.78	35.21	27.49		1494.8							
	DBS	00760	07.49	35.16	27.50		1493.7							
	DBS	00800	07.07	35.17	27.56		1492.7							
	DBS	00831	07.03	35.21	27.60		1493.1							
	DBS	00900	06.38	35.20	27.68		1491.7							
	DBS	00970	05.70	35.11	27.70		1490.0							
	DBS	00981	05.40	35.07	27.70		1488.9							
	DBS	01000	05.29	35.08	27.73		1488.8							
	DBS	01060	04.98	35.05	27.74		1488.5							
	DBS	01100	04.95	35.07	27.76		1489.1							
	DBS	01107	04.82	35.04	27.75		1488.6							
	DBS	01118	04.92	35.07	27.76		1489.3							
	DBS	01143	04.66	35.03	27.76		1488.6							
	DBS	01160	04.73	35.05	27.77		1489.2							
	DBS	01200	04.60	35.03	27.77		1489.3							
	DBS	01270	04.26	34.98	27.76		1489.0							
	DBS	01300	04.29	35.00	27.78		1489.6							
	DBS	01400	04.10	34.98	27.78		1490.5							
	DBS	01500	04.00	34.98	27.79		1491.7							

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REFID 31 8177 YEAR 1970 BDTOP 02789 AIR TEMP 20.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CDNSEC 0076 MONTH 06 SHIP DU WET BULB 19.1 06 3 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 20 DATA USE 1 BAROMETR 1029.1 SEA 3 WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 11 W HOUR 06.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 076 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	DXYG	PD4	TOT P	ND2	ND3	S103	PH
06.5	DBS	00000	21.33	36.43	25.51		1527.4							
	DBS	00010	21.17	36.42	25.55		1527.1							
	DBS	00020	20.81	36.38	25.61		1526.3							
	DBS	00030	19.27	36.29	25.95		1522.1							
	DBS	00050	17.08	36.25	26.47		1516.1							
	DBS	00075	16.69	36.28	26.59		1515.4							
	DBS	00100	16.62	36.31	26.63		1515.6							
	DBS	00125	16.43	36.29	26.66		1515.4							
	DBS	00150	16.34	36.27	26.66		1515.6							
	DBS	00200	15.90	36.18	26.70		1514.9							
	DBS	00250	15.22	36.05	26.75		1513.5							
	DBS	00300	14.64	35.96	26.81		1512.3							
	DBS	00320	14.14	35.89	26.86		1511.0							
	DBS	00340	14.10	35.90	26.88		1511.2							
	DBS	00390	13.77	35.82	26.85		1510.8							
	DBS	00400	13.44	35.76	26.91		1509.8							
	DBS	00500	11.78	35.52	27.05		1505.6							
	DBS	00600	10.09	35.31	27.20		1501.0							
	DBS	00700	08.62	35.16	27.32		1497.0							
	DBS	00710	08.51	35.16	27.34		1496.7							
	DBS	00715	08.65	35.26	27.40		1497.5							
	DBS	00740	07.82	35.10	27.40		1494.5							
	DBS	00780	07.82	35.17	27.45		1495.3							
	DBS	00800	07.54	35.17	27.50		1494.5							
	DBS	00840	07.02	35.15	27.55		1493.2							
	DBS	00880	06.78	35.15	27.59		1492.9							
	DBS	00900	06.27	35.10	27.62		1491.1							
	DBS	00940	06.44	35.19	27.67		1492.6							
	DBS	01000	05.73	35.10	27.69		1490.6							
	DBS	01100	05.29	35.08	27.73		1490.5							
	DBS	01200	04.80	35.03	27.74		1490.1							
	DBS	01240	04.65	35.02	27.75		1490.1							
	DBS	01270	04.71	35.05	27.77		1490.9							
	DBS	01290	04.60	35.03	27.77		1490.8							
	DBS	01300	04.70	35.05	27.77		1491.4							
	DBS	01345	04.86	35.09	27.78		1492.8							
	DBS	01380	04.84	35.09	27.79		1493.3							
	DBS	01400	04.75	35.07	27.78		1493.3							
	DBS	01500	04.24	35.01	27.79		1492.8							

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TABLE XXI.—Continued

REFIO 31 8177 YEAR 1970 BOTOP 03840 AIR TEMP 21.7 DIR HGT PER WIND-OIR 12 INST STO RECORDER TEN SQ 1206  
 CONSEC 0077 MONTH 06 SHIP OU WET BULB 19.0 09 WIND-SPO 05 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 20 QATA USE 1 BAROMETR 1029.9 SEA 3 WIND-FDR DURATION 00.7 2 SQUARE 48  
 LONG 048 03 W HOUR 11.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 077 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.4	OBS	00000	21.35	36.43	25.50		1527.4							
	OBS	00010	21.33	36.42	25.50		1527.5							
	OBS	00020	21.25	36.39	25.50		1527.4							
	OBS	00030	19.07	36.27	25.99		1521.5							
	OBS	00050	16.98	36.25	26.50		1515.8							
	OBS	00075	16.52	36.25	26.60		1514.8							
	OBS	00100	16.35	36.23	26.63		1514.7							
	OBS	00106	16.25	36.21	26.64		1514.5							
	OBS	00125	16.24	36.24	26.66		1514.8							
	OBS	00135	16.24	36.23	26.65		1515.0							
	OBS	00150	16.06	36.19	26.67		1514.6							
	OBS	00200	15.39	36.09	26.74		1513.2							
	OBS	00233	14.93	35.99	26.77		1512.2							
	OBS	00250	14.87	36.00	26.79		1512.3							
	OBS	00300	14.56	35.97	26.83		1512.1							
	OBS	00400	13.32	35.76	26.93		1509.4							
	OBS	00500	11.61	35.45	27.03		1504.9							
	OBS	00523	11.23	35.40	27.06		1503.9							
	OBS	00530	11.32	35.49	27.12		1504.4							
	OBS	00600	10.19	35.36	27.22		1501.4							
	OBS	00685	08.24	35.12	27.35		1495.3							
	OBS	00700	08.25	35.21	27.42		1495.7							
	OBS	00740	08.15	35.25	27.47		1496.0							
	OBS	00790	07.32	35.16	27.52		1493.5							
	OBS	00800	07.24	35.17	27.54		1493.4							
	OBS	00830	06.98	35.16	27.57		1492.9							
	OBS	00845	07.07	35.21	27.59		1493.5							
	OBS	00850	06.99	35.20	27.60		1493.3							
	OBS	00860	07.05	35.22	27.61		1493.7							
	OBS	00900	06.32	35.13	27.63		1491.4							
	OBS	01000	05.42	35.06	27.69		1489.3							
	OBS	01100	04.92	35.03	27.73		1488.9							
	OBS	01140	04.90	35.05	27.75		1489.5							
	OBS	01200	04.55	35.00	27.75		1489.0							
	OBS	01290	04.34	34.98	27.76		1489.6							
	OBS	01300	04.40	35.00	27.76		1490.1							
	OBS	01360	04.14	34.97	27.77		1490.0							
	OBS	01400	04.11	34.96	27.76		1490.5							
	OBS	01500	04.01	34.96	27.77		1491.8							

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REFIO 31 8177 YEAR 1970 BOTOP 04389 AIR TEMP 23.0 DIR HGT PER WIND-OIR 13 INST STO RECORDER TEN SQ 1206  
 CONSEC 0078 MONTH 06 SHIP OU WET BULB 21.0 07 1 3 WIND-SPO 04 TRACE OIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 20 QATA USE 1 BAROMETR 1029.5 SEA WIND-FDR DURATION 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 078 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.2	OBS	00000	21.78	36.43	25.38		1528.5							
	OBS	00010	21.25	36.41	25.52		1527.3							
	OBS	00020	19.82	36.29	25.81		1523.5							
	OBS	00030	18.77	36.26	26.06		1520.7							
	OBS	00050	17.47	36.26	26.38		1517.3							
	OBS	00075	16.64	36.27	26.59		1515.2							
	OBS	00100	16.48	36.26	26.62		1515.1							
	OBS	00125	16.41	36.26	26.64		1515.3							
	OBS	00150	16.30	36.25	26.66		1515.4							
	OBS	00200	16.16	36.23	26.67		1515.8							
	OBS	00250	15.50	36.11	26.73		1514.4							
	OBS	00300	15.01	36.03	26.78		1513.6							
	OBS	00400	13.62	35.82	26.92		1510.5							
	OBS	00474	12.67	35.65	26.98		1508.3							
	OBS	00500	11.97	35.52	27.02		1506.2							
	OBS	00549	10.95	35.38	27.10		1503.3							
	OBS	00557	11.13	35.48	27.14		1504.2							
	OBS	00600	10.25	35.34	27.19		1501.6							
	OBS	00682	08.40	35.14	27.34		1495.8							
	OBS	00700	08.35	35.19	27.39		1496.0							
	OBS	00729	08.20	35.23	27.44		1496.0							
	OBS	00734	07.97	35.18	27.44		1495.1							
	OBS	00749	07.90	35.18	27.45		1495.1							
	OBS	00800	07.11	35.16	27.55		1492.9							
	OBS	00820	07.04	35.19	27.58		1493.0							
	OBS	00829	07.14	35.24	27.61		1493.6							
	OBS	00900	05.95	35.08	27.65		1489.7							
	OBS	00943	05.77	35.08	27.67		1489.8							
	OBS	00952	05.96	35.17	27.71		1489.9							
	OBS	01000	05.56	35.11	27.72		1490.0							
	OBS	01028	05.28	35.06	27.71		1489.2							
	OBS	01041	05.32	35.08	27.72		1489.6							
	OBS	01100	05.04	35.06	27.74		1489.4							
	OBS	01200	04.56	35.01	27.75		1489.1							
	OBS	01300	04.20	34.97	27.76		1489.2							
	OBS	01400	04.14	34.97	27.77		1490.6							
	OBS	01500	04.03	34.97	27.78		1491.8							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 03475	AIR TEMP 21.3	DIR HGT PER	WIND-OIR 12	INST STD RECORDER	TEN SQ 1206
CONSEC 0079	MONTH 06	SHIP DU	WET BULB 20.2	OB 0 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 35 01 N	DAY 20	DATA USE 1	BAROMETR 1030.5	SEA	WIND-FJR	DURATION 00.5	2 SQUARE 48
LONG 048 10 W	HOUR 23.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E62 079	1 SQUARE 58

CASNUM/TIME	LVCTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DOYG	P34	TOT P	NU2	NU3	S133	PH
23.4	08S	00000	21.74	36.38	25.36		1528.4							
	08S	00010	21.46	36.38	25.44		1527.8							
	08S	00020	19.62	36.24	25.83		1522.9							
	08S	00030	18.27	36.22	26.16		1519.2							
	08S	00050	17.02	36.24	26.48		1515.9							
	08S	00075	16.75	36.30	26.59		1515.6							
	08S	00100	16.52	36.27	26.62		1515.3							
	08S	00125	16.30	36.24	26.65		1515.0							
	08S	00150	16.15	36.22	26.67		1514.9							
	08S	00200	15.53	36.11	26.73		1512.5							
	08S	00250	14.92	36.00	26.78		1511.8							
	08S	00300	14.49	35.94	26.83		1509.3							
	08S	00400	13.27	35.76	26.94		1506.3							
	08S	00440	12.27	35.57	27.00		1505.3							
	08S	00500	11.72	35.50	27.05		1505.0							
	08S	00520	11.53	35.47	27.06		1501.0							
	08S	00600	10.08	35.33	27.21		1500.9							
	08S	00610	10.04	35.31	27.21		1498.9							
	08S	00630	09.41	35.24	27.26		1499.2							
	08S	00649	09.39	35.29	27.20		1498.2							
	08S	00660	09.08	35.24	27.31		1498.4							
	08S	00668	09.10	35.27	27.33		1496.6							
	08S	00700	08.49	35.20	27.38		1494.7							
	08S	00715	07.96	35.13	27.40		1496.8							
	08S	00730	08.40	35.25	27.43		1494.2							
	08S	00749	07.69	35.14	27.45		1495.7							
	08S	00753	08.01	35.26	27.50		1494.5							
	08S	00800	07.52	35.19	27.51		1493.7							
	08S	00840	07.15	35.17	27.55		1494.5							
	08S	00870	07.20	35.23	27.59		1492.7							
	08S	00900	06.64	35.14	27.60		1489.5							
	08S	00983	05.54	35.05	27.67		1490.1							
	08S	00991	05.64	35.09	27.69		1489.7							
	08S	01000	05.52	35.07	27.69		1490.4							
	08S	01057	05.45	35.08	27.71		1491.8							
	08S	01081	05.66	35.16	27.74		1490.9							
	08S	01100	05.39	35.11	27.74		1491.2							
	08S	01110	05.42	35.12	27.74		1490.3							
	08S	01126	05.14	35.07	27.74		1491.2							
	08S	01145	05.27	35.11	27.75		1490.6							
	08S	01160	05.07	35.07	27.74		1490.5							
	08S	01185	04.96	35.06	27.75		1491.5							
	08S	01200	05.12	35.12	27.76		1491.9							
	08S	01205	05.19	35.12	27.77		1491.8							
	08S	01239	05.04	35.09	27.76		1492.2							
	08S	01242	05.11	35.12	27.78		1491.3							
	08S	01255	04.86	35.07	27.77		1491.8							
	08S	01275	04.90	35.08	27.77		1491.6							
	08S	01300	04.76	35.06	27.77		1490.6							
	08S	01330	04.41	35.00	27.76		1491.1							
	08S	01400	04.26	34.98	27.76		1492.2							
	08S	01500	04.12	34.98	27.78									

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	80TOP 04389	AIR TEMP 21.0	OIR HGT PER	#INO-OIR 13	INST STO RECORDER	TEN SQ 1206
CONSEC 0080	MONTH 06	SHIP 00	WET BULB 19.8	08 1 2	WIND-SPO 13	TRACE OIR 0	5 SQUARE 4
LAT 35 04 N	DAY 21	DATA USE 1	BAROMETR 1029.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 14 W	HOOR 07.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 080	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
07.5	085	00000	21.53	35.43	24.69		1526.7							
	085	00010	21.35	36.42	25.50		1527.6							
	085	00020	20.94	36.39	25.59		1526.6							
	085	00030	19.42	36.22	25.86		1522.5							
	085	00050	17.29	36.27	26.44		1516.8							
	085	00075	16.69	36.32	26.62		1515.4							
	085	00100	16.60	36.30	26.62		1515.6							
	085	00125	16.44	36.29	26.65		1515.5							
	085	00150	16.31	36.26	26.66		1515.5							
	085	00200	15.84	36.17	26.70		1514.7							
	085	00250	15.27	36.08	26.76		1513.7							
	085	00300	14.67	36.00	26.63		1512.5							
	085	00400	13.27	35.76	26.94		1509.3							
	085	00500	11.67	35.49	27.05		1505.1							
	085	00530	11.25	35.43	27.08		1504.1							
	085	00545	11.21	35.46	27.11		1504.2							
	085	00600	9.85	35.30	27.23		1500.1							
	085	00645	09.07	35.26	27.23		1497.9							
	085	00657	09.04	35.27	27.24		1498.0							
	085	00663	09.14	35.30	27.25		1498.5							
	085	00677	08.84	35.24	27.25		1497.5							
	085	00682	08.89	35.30	27.29		1497.9							
	085	00700	08.77	35.29	27.40		1497.7							
	085	00725	07.91	35.14	27.42		1494.7							
	085	00735	08.08	35.21	27.45		1495.6							
	085	00755	07.57	35.12	27.45		1493.8							
	085	00775	07.57	35.17	27.49		1494.2							
	085	00790	07.19	35.09	27.48		1492.9							
	085	00800	07.27	35.17	27.53		1493.5							
	085	00870	06.51	35.14	27.62		1491.6							
	085	00884	06.67	35.20	27.64		1492.6							
	085	00900	06.38	35.14	27.63		1491.6							
	085	00940	05.79	35.10	27.68		1489.9							
	085	01000	05.77	35.14	27.71		1490.8							
	085	01020	05.46	35.10	27.72		1489.9							
	085	01050	05.34	35.10	27.74		1489.9							
	085	01075	05.39	35.11	27.74		1490.5							
	085	01100	05.24	35.10	27.75		1490.3							
	085	01135	05.08	35.08	27.75		1490.2							
	085	01150	05.40	35.17	27.78		1491.9							
	085	01165	05.19	35.13	27.76		1491.2							
	085	01200	05.19	35.14	27.78		1491.8							
	085	01210	05.07	35.11	27.78		1491.5							
	085	01240	05.11	35.13	27.79		1492.2							
	085	01300	04.82	35.09	27.79		1491.9							
	085	01330	04.64	35.06	27.79		1491.6							
	085	01370	04.62	35.07	27.80		1492.2							
	085	01400	04.44	35.04	27.79		1492.0							
	085	01500	04.17	35.01	27.80		1492.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04206 AIR TEMP 22.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0081 MONTH 06 SHIP OU WET BULB 20.0 08 0 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 21 DATA USE 1 BAROMETR 1030.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 59 W HOUR 12.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 081 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
12.7	08S	00000	21.57	36.43	25.44		1526.0							
	08S	00010	21.24	36.40	25.51		1527.2							
	08S	00020	19.56	36.21	25.82		1522.7							
	08S	00030	18.39	36.27	26.16		1519.6							
	08S	00050	16.99	36.23	26.48		1515.8							
	08S	00075	16.53	36.27	26.62		1514.9							
	08S	00100	16.44	36.26	26.63		1515.0							
	08S	00125	16.37	36.26	26.65		1515.2							
	08S	00150	16.23	36.25	26.67		1515.2							
	08S	00200	15.50	36.12	26.74		1513.6							
	08S	00250	14.73	35.98	26.80		1511.8							
	08S	00300	14.23	35.93	26.87		1511.0							
	08S	00400	13.39	35.79	26.94		1509.7							
	08S	00490	11.53	35.46	27.05		1504.5							
	08S	00500	11.55	35.53	27.10		1504.8							
	08S	00600	09.63	35.26	27.24		1499.2							
	08S	00640	09.14	35.26	27.32		1498.1							
	08S	00675	08.34	35.16	27.37		1495.5							
	08S	00700	08.34	35.25	27.44		1496.1							
	08S	00705	08.39	35.26	27.44		1496.3							
	08S	00760	07.61	35.19	27.50		1494.2							
	08S	00800	07.16	35.16	27.54		1493.1							
	08S	00840	07.12	35.22	27.60		1493.6							
	08S	00872	06.53	35.12	27.60		1491.7							
	08S	00875	06.63	35.21	27.66		1492.3							
	08S	00885	06.58	35.21	27.66		1492.3							
	08S	00900	06.34	35.19	27.68		1491.5							
	08S	00908	06.34	35.19	27.68		1491.7							
	08S	00920	06.03	35.14	27.68		1490.6							
	08S	01000	05.52	35.11	27.72		1489.8							
	08S	01080	04.99	35.07	27.75		1488.9							
	08S	01100	04.80	35.04	27.75		1488.4							
	08S	01120	04.71	35.03	27.75		1488.4							
	08S	01130	04.80	35.06	27.77		1489.0							
	08S	01200	04.52	35.02	27.77		1488.9							
	08S	01280	04.20	34.98	27.77		1488.9							
	08S	01300	04.23	35.00	27.78		1489.4							
	08S	01400	04.05	34.99	27.79		1490.3							
	08S	01500	04.00	34.99	27.80		1491.8							

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REFID 31 8177 YEAR 1970 BOTOP 04206 AIR TEMP 22.9 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0082 MONTH 06 SHIP OU WET BULB 20.5 08 0 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1031.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 082 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
18.3	08S	00000	22.03	36.42	25.31		1529.1							
	08S	00009	22.13	36.46	25.31		1529.6							
	08S	00010	21.96	36.36	25.28		1529.1							
	08S	00020	20.01	36.33	25.79		1524.0							
	08S	00030	18.26	36.36	26.27		1519.4							
	08S	00050	17.42	36.38	26.49		1517.3							
	08S	00075	16.84	36.33	26.59		1515.9							
	08S	00100	16.58	36.32	26.64		1515.5							
	08S	00125	16.45	36.30	26.66		1515.5							
	08S	00150	16.23	36.27	26.69		1515.2							
	08S	00200	15.80	36.19	26.73		1514.6							
	08S	00250	15.16	36.04	26.76		1513.3							
	08S	00300	14.70	35.96	26.80		1512.5							
	08S	00400	13.51	35.79	26.92		1510.1							
	08S	00470	12.61	35.66	27.00		1508.1							
	08S	00500	11.89	35.53	27.04		1506.0							
	08S	00545	10.85	35.38	27.12		1502.9							
	08S	00549	10.95	35.47	27.17		1503.4							
	08S	00600	10.23	35.36	27.21		1501.5							
	08S	00660	09.48	35.33	27.32		1499.8							
	08S	00700	08.71	35.20	27.34		1497.4							
	08S	00720	08.06	35.16	27.41		1495.2							
	08S	00730	08.04	35.19	27.44		1495.3							
	08S	00750	08.31	35.29	27.47		1496.8							
	08S	00759	08.19	35.26	27.47		1496.5							
	08S	00762	08.26	35.34	27.52		1496.9							
	08S	00800	07.66	35.25	27.54		1495.1							
	08S	00825	07.04	35.18	27.58		1493.0							
	08S	00875	06.88	35.21	27.62		1493.3							
	08S	00900	06.61	35.18	27.63		1492.6							
	08S	00942	06.00	35.13	27.68		1490.8							
	08S	01000	05.84	35.14	27.70		1491.1							
	08S	01100	05.30	35.10	27.74		1490.6							
	08S	01200	04.87	35.07	27.77		1490.4							
	08S	01283	04.76	35.08	27.79		1491.4							
	08S	01291	04.84	35.10	27.79		1491.9							
	08S	01300	04.68	35.07	27.79		1491.3							
	08S	01350	04.81	35.10	27.80		1492.7							
	08S	01400	04.46	35.04	27.79		1492.1							
	08S	01500	04.15	35.01	27.80		1492.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 01682 AIR TEMP 21. OIR HGT PER WIND-DIR 05 INST STO RECORDER TEN SQ 1206  
 CONSEC 0083 MONTH 06 SHIP OU WET BULB 20. 09 1 2 WIND-SPO 06 TRACE OIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 21 DATA USE 1 BAROMETR 1030.8 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 03 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 083 1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
23.5	085	000.00	22.16	35.46	24.54		1528.4							
	085	000.10	21.49	36.41	25.45		1527.9							
	085	000.20	21.14	36.39	25.53		1527.1							
	085	000.30	20.87	36.40	25.61		1526.6							
	085	000.50	18.06	36.31	26.28		1519.1							
	085	000.75	17.11	36.34	26.53		1516.7							
	085	001.00	16.63	36.29	26.61		1515.6							
	085	001.25	16.22	36.23	26.66		1514.7							
	085	001.50	15.89	36.17	26.69		1514.1							
	085	002.00	15.35	36.10	26.76		1513.1							
	085	002.50	14.85	36.01	26.80		1512.3							
	085	003.00	14.37	35.93	26.84		1511.4							
	085	004.00	13.13	35.73	26.95		1508.8							
	085	004.40	12.84	35.68	26.97		1508.4							
	085	004.60	12.30	35.60	27.01		1506.8							
	085	005.00	11.71	35.50	27.05		1505.3							
	085	006.00	10.03	35.31	27.21		1500.7							
	085	006.70	09.50	35.32	27.31		1500.0							
	085	007.00	08.84	35.24	27.35		1497.9							
	085	007.15	08.84	35.27	27.37		1498.2							
	085	007.30	08.98	35.32	27.39		1499.0							
	085	007.45	08.72	35.27	27.39		1498.3							
	085	007.80	08.56	35.31	27.45		1498.3							
	085	008.00	07.92	35.19	27.46		1496.0							
	085	008.10	07.60	35.19	27.50		1495.0							
	085	008.36	07.19	35.16	27.54		1493.8							
	085	009.00	06.74	35.19	27.62		1493.1							
	085	010.00	05.85	35.15	27.71		1491.2							
	085	010.20	05.79	35.15	27.72		1491.3							
	085	010.70	05.34	35.11	27.74		1490.2							
	085	011.00	05.23	35.09	27.74		1490.3							
	085	011.45	04.89	35.05	27.75		1489.6							
	085	012.00	04.71	35.04	27.76		1489.7							
	085	013.00	04.44	35.03	27.78		1490.3							
	085	014.00	04.17	35.01	27.80		1490.8							
	085	015.00	04.04	35.00	27.80		1491.9							

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REFID 31 8177 YEAR 1970 BOTOP 04664 AIR TEMP 21.4 OIR HGT PER WIND-DIR 15 INST STO RECORDER TEN SQ 1206  
 CONSEC 0084 MONTH 06 SHIP OU WET BULB 20.2 09 2 WIND-SPO 08 TRACE OIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 22 DATA USE 1 BAROMETR 1029.2 SEA 2 WIND-FJR DURATION 00.5 2 SQUARE 48  
 LONG 048 10 W HOUR 06.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 084 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
06.9	085	000.00	21.94	36.40	25.32		1528.9							
	085	000.10	21.39	36.40	25.47		1527.6							
	085	000.20	20.17	36.27	25.70		1524.4							
	085	000.30	19.12	36.30	26.00		1521.7							
	085	000.50	17.07	36.28	26.50		1516.1							
	085	000.75	16.54	36.27	26.62		1514.9							
	085	001.00	16.46	36.29	26.64		1515.2							
	085	001.25	16.27	36.25	26.66		1514.9							
	085	001.50	16.03	36.21	26.69		1514.5							
	085	002.00	15.67	36.15	26.72		1514.2							
	085	002.50	15.24	36.08	26.77		1513.6							
	085	003.00	14.60	35.98	26.83		1512.2							
	085	004.00	13.53	35.81	26.93		1510.2							
	085	005.00	11.91	35.52	27.03		1506.0							
	085	005.50	10.67	35.37	27.14		1502.3							
	085	006.00	10.09	35.37	27.24		1501.0							
	085	006.10	09.62	35.29	27.26		1499.4							
	085	006.80	08.25	35.15	27.37		1495.3							
	085	007.00	08.24	35.21	27.42		1495.6							
	085	007.30	08.13	35.24	27.46		1495.7							
	085	007.55	07.51	35.15	27.48		1493.7							
	085	007.70	07.61	35.23	27.53		1494.4							
	085	007.85	07.36	35.18	27.53		1493.6							
	085	007.90	07.54	35.25	27.56		1494.5							
	085	008.00	07.47	35.24	27.56		1494.4							
	085	008.40	07.21	35.22	27.58		1494.0							
	085	008.70	06.62	35.11	27.58		1492.0							
	085	009.00	06.09	35.10	27.64		1490.4							
	085	009.15	05.90	35.08	27.65		1489.9							
	085	009.25	06.01	35.15	27.69		1490.6							
	085	009.41	05.92	35.13	27.69		1490.5							
	085	009.47	05.95	35.15	27.70		1490.7							
	085	010.00	05.49	35.09	27.71		1489.6							
	085	010.10	05.37	35.07	27.71		1489.3							
	085	011.00	05.06	35.07	27.74		1489.5							
	085	011.90	04.55	35.01	27.76		1488.9							
	085	012.00	04.57	35.02	27.76		1489.1							
	085	012.30	04.52	35.01	27.76		1489.4							
	085	012.50	04.38	34.99	27.76		1489.1							
	085	013.00	04.31	35.00	27.77		1489.7							
	085	013.55	04.17	34.99	27.78		1490.0							
	085	013.60	04.23	35.00	27.78		1490.4							
	085	014.00	04.12	34.98	27.78		1490.6							
	085	014.50	03.99	34.97	27.78		1490.8							
	085	015.00	03.96	34.98	27.80		1491.6							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTDP 01463 AIR TEMP 22.3 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ L206  
 CONSEC 0085 MONTH 06 SHIP DU WET BULB 20.9 15 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 22 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 06 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 085 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SIG3	PH
11.8	085	00000	22.10	36.43	25.29		1529.3							
	085	00010	21.51	36.45	25.47		1528.0							
	085	00020	20.31	36.32	25.70		1524.8							
	085	00030	18.63	36.30	26.13		1520.3							
	085	00050	17.06	36.32	26.53		1516.1							
	085	00075	16.73	36.33	26.62		1515.6							
	085	00100	16.51	36.28	26.63		1515.3							
	085	00125	16.28	36.25	26.66		1514.9							
	085	00150	16.06	36.21	26.68		1514.6							
	085	00200	15.56	36.13	26.73		1513.8							
	085	00250	15.03	36.02	26.77		1512.8							
	085	00300	14.40	35.92	26.83		1511.5							
	085	00400	13.26	35.75	26.94		1509.2							
	085	00500	12.13	35.60	27.05		1506.9							
	085	00515	12.09	35.60	27.06		1507.0							
	085	00600	10.43	35.36	27.18		1502.3							
	085	00640	09.96	35.35	27.25		1501.2							
	085	00700	08.38	35.16	27.36		1496.1							
	085	00720	08.35	35.19	27.39		1496.3							
	085	00740	07.56	35.12	27.45		1493.6							
	085	00755	07.54	35.17	27.50		1493.8							
	085	00765	07.23	35.17	27.54		1492.8							
	085	00790	07.20	35.17	27.54		1493.1							
	085	00800	06.99	35.16	27.57		1492.4							
	085	00825	06.72	35.15	27.60		1491.7							
	085	00855	06.62	35.19	27.61		1492.7							
	085	00880	06.56	35.17	27.63		1492.0							
	085	00890	06.58	35.18	27.64		1492.3							
	085	00900	06.33	35.16	27.66		1491.5							
	085	00930	06.21	35.13	27.65		1491.4							
	085	00940	06.07	35.12	27.66		1491.0							
	085	00975	06.11	35.17	27.69		1491.8							
	085	01000	05.79	35.11	27.69		1490.9							
	085	01015	05.63	35.14	27.73		1490.5							
	085	01055	05.67	35.14	27.73		1491.4							
	085	01070	05.45	35.10	27.72		1490.7							
	085	01100	05.29	35.10	27.74		1490.5							
	085	01150	05.14	35.11	27.77		1490.8							
	085	01170	04.84	35.06	27.76		1489.8							
	085	01200	04.75	35.05	27.77		1489.9							
	085	01290	04.38	35.01	27.77		1489.8							
	085	01300	04.40	35.02	27.78		1490.1							
	085	01400	04.19	35.00	27.79		1490.9							

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REFID 31 8177 YEAR 1970 BOTDP 04572 AIR TEMP 23.3 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ L206  
 CONSEC 0086 MONTH 06 SHIP DU WET BULB 21.7 20 0 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 22 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 16.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 086 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SIG3	PH
16.3	085	00000	22.71	36.45	25.14		1530.9							
	085	00010	21.80	36.41	25.36		1528.7							
	085	00020	21.31	36.36	25.46		1527.5							
	085	00030	19.91	36.26	25.76		1523.9							
	085	00050	18.01	36.18	26.19		1518.8							
	085	00075	16.74	36.27	26.57		1515.5							
	085	00100	16.56	36.27	26.61		1515.4							
	085	00125	16.44	36.26	26.63		1515.4							
	085	00150	16.36	36.26	26.65		1515.6							
	085	00200	15.86	36.16	26.69		1514.8							
	085	00250	15.16	36.03	26.75		1513.3							
	085	00300	14.61	35.96	26.81		1512.2							
	085	00400	13.35	35.75	26.92		1509.5							
	085	00440	13.01	35.70	26.95		1509.0							
	085	00500	12.05	35.55	27.02		1506.5							
	085	00570	10.66	35.34	27.12		1502.6							
	085	00600	10.26	35.31	27.17		1501.6							
	085	00659	08.80	35.19	27.32		1497.0							
	085	00689	08.58	35.22	27.38		1496.7							
	085	00700	08.19	35.17	27.40		1495.4							
	085	00709	08.25	35.21	27.42		1495.8							
	085	00720	08.01	35.19	27.44		1495.1							
	085	00726	08.05	35.22	27.46		1495.3							
	085	00753	07.51	35.14	27.48		1493.6							
	085	00800	07.22	35.17	27.54		1493.3							
	085	00865	06.76	35.15	27.59		1492.6							
	085	00874	06.47	35.12	27.61		1491.5							
	085	00900	06.08	35.09	27.63		1490.4							
	085	00939	05.91	35.12	27.68		1490.4							
	085	00964	06.03	35.15	27.69		1491.3							
	085	00979	05.75	35.10	27.68		1490.4							
	085	00992	05.99	35.18	27.72		1491.7							
	085	01000	05.92	35.16	27.71		1491.5							
	085	01100	05.16	35.08	27.74		1490.0							
	085	01200	04.57	35.01	27.75		1489.1							
	085	01300	04.41	35.01	27.77		1490.1							
	085	01400	04.29	35.00	27.78		1491.3							
	085	01500	04.16	34.99	27.78		1492.4							

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TABLE XXI.—Continued

REFID 31	BL77	YEAR 1970	BOTOP 04206	AIR TEMP 22.4	OIR HGT PER	WIND-OIR 20	INST STO RECORDER	TEN SQ 1206
CONSEC 0087	MONTH 06	SHIP OU	WET BULB 21.7	20 0 2	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4	
LAT 35 04 N	DAY 23	DATA USE 1	BAROMETR 1030.0	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 48	
LONG 048 01 W	HOUR 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 087	1 SQUARE 58	

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PM
00.2	OBS	00000	22.40	36.43	25.21		1530.1							
	OBS	00010	21.56	36.37	25.40		1528.0							
	OBS	00020	20.39	36.34	25.70		1525.1							
	OBS	00030	19.16	36.26	25.96		1521.8							
	OBS	00050	17.71	36.39	26.43		1518.1							
	OBS	00075	17.21	36.36	26.52		1517.0							
	OBS	00100	16.85	36.33	26.59		1516.3							
	OBS	00125	16.54	36.27	26.62		1515.8							
	OBS	00150	16.31	36.25	26.65		1515.4							
	OBS	00200	15.74	36.16	26.72		1514.4							
	OBS	00240	15.35	36.06	26.73		1513.7							
	OBS	00250	15.05	36.04	26.78		1512.9							
	OBS	00275	14.78	35.96	26.78		1512.4							
	OBS	00290	14.36	35.90	26.82		1511.2							
	OBS	00300	14.32	35.90	26.83		1511.2							
	OBS	00400	13.45	35.78	26.92		1509.9							
	OBS	00440	12.96	35.68	26.95		1508.8							
	OBS	00500	11.51	35.47	27.07		1504.6							
	OBS	00540	11.10	35.48	27.15		1503.8							
	OBS	00555	10.85	35.44	27.16		1503.1							
	OBS	00570	10.88	35.46	27.17		1503.5							
	OBS	00600	10.37	35.39	27.21		1502.1							
	OBS	00619	09.63	35.32	27.28		1499.6							
	OBS	00622	09.68	35.34	27.29		1499.9							
	OBS	00634	09.58	35.32	27.29		1499.7							
	OBS	00640	09.22	35.25	27.30		1498.4							
	OBS	00655	09.11	35.25	27.32		1498.2							
	OBS	00663	09.23	35.31	27.34		1498.9							
	OBS	00674	08.86	35.23	27.34		1497.6							
	OBS	00690	08.71	35.24	27.37		1497.3							
	OBS	00700	08.28	35.16	27.38		1495.7							
	OBS	00704	08.12	35.18	27.42		1495.2							
	OBS	00713	08.11	35.18	27.42		1495.3							
	OBS	00731	08.23	35.26	27.46		1496.2							
	OBS	00748	07.95	35.23	27.48		1495.3							
	OBS	00751	08.03	35.27	27.50		1495.7							
	OBS	00785	07.21	35.18	27.55		1493.0							
	OBS	00800	07.11	35.17	27.56		1492.9							
	OBS	00867	06.66	35.18	27.63		1492.2							
	OBS	00871	06.46	35.15	27.63		1491.5							
	OBS	00900	06.01	35.11	27.66		1490.1							
	OBS	00920	05.93	35.11	27.67		1490.1							
	OBS	00934	06.00	35.14	27.68		1490.7							
	OBS	01000	05.41	35.08	27.71		1489.3							
	OBS	01100	05.11	35.08	27.75		1489.8							
	OBS	01200	04.94	35.08	27.77		1490.7							
	OBS	01270	04.63	35.04	27.77		1490.6							
	OBS	01289	04.67	35.06	27.78		1491.1							
	OBS	01300	04.84	35.09	27.79		1492.0							
	OBS	01380	04.61	35.05	27.78		1492.3							
	OBS	01400	04.39	35.02	27.78		1491.7							
	OBS	01439	04.35	35.01	27.78		1492.2							
	OBS	01450	04.21	34.99	27.78		1491.8							
	OBS	01500	04.18	34.99	27.78		1492.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 02460 AIR TEMP 22.2 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0088 MONTH 06 SHIP OU WET BULB 21.4 18 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 23 DATA USE 1 BAROMETP 1028.4 SEA CL/TR WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HOUR 06.4 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 088 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
06.4	08S	00000	22.32	36.43	25.23		1529.9							
	08S	00010	21.81	36.39	25.35		1528.7							
	08S	00020	20.44	36.21	25.58		1525.1							
	08S	00030	18.81	36.31	26.09		1520.9							
	08S	00050	17.59	36.30	26.39		1517.7							
	08S	00075	16.99	36.28	26.52		1516.3							
	08S	00100	16.67	36.28	26.59		1515.7							
	08S	00125	16.47	36.26	26.62		1515.5							
	08S	00140	16.48	36.27	26.63		1515.8							
	08S	00150	16.41	36.27	26.65		1515.8							
	08S	00200	16.09	36.21	26.67		1515.5							
	08S	00250	15.59	36.11	26.71		1514.7							
	08S	00300	15.01	36.01	26.77		1513.5							
	08S	00400	13.52	35.78	26.91		1510.1							
	08S	00440	13.10	35.70	26.93		1509.3							
	08S	00500	12.08	35.56	27.03		1506.7							
	08S	00535	11.25	35.43	27.08		1504.2							
	08S	00542	11.31	35.48	27.11		1504.6							
	08S	00560	11.16	35.47	27.13		1504.3							
	08S	00600	10.32	35.36	27.20		1501.9							
	08S	00660	09.61	35.31	27.28		1500.2							
	08S	00700	08.55	35.18	27.35		1496.8							
	08S	00720	08.21	35.16	27.39		1495.8							
	08S	00732	08.51	35.28	27.43		1497.3							
	08S	00780	07.65	35.19	27.50		1494.7							
	08S	00800	07.30	35.17	27.55		1493.6							
	08S	00870	06.70	35.15	27.60		1492.4							
	08S	00890	06.69	35.19	27.63		1492.7							
	08S	00900	06.61	35.18	27.63		1492.6							
	08S	00920	06.28	35.13	27.64		1491.5							
	08S	00940	06.22	35.14	27.66		1491.7							
	08S	01000	05.68	35.10	27.69		1490.4							
	08S	01060	05.33	35.07	27.71		1490.0							
	08S	01100	05.23	35.06	27.74		1490.3							
	08S	01200	04.85	35.05	27.75		1490.3							
	08S	01300	04.41	35.01	27.77		1490.1							
	08S	01400	04.31	35.00	27.77		1491.4							
	08S	01440	04.27	35.00	27.78		1491.9							
	08S	01455	04.34	35.02	27.79		1492.5							
	08S	01500	04.22	35.00	27.78		1492.7							

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REFID 31 8177 YEAR 1970 BOTOP 03840 AIR TEMP 22.7 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0089 MONTH 06 SHIP OU WET BULB 21.2 28 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 23 DATA USE 1 BAROMETP 1029.1 SEA 4 WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E42 089 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
12.2	08S	00000	22.20	36.43	25.27		1529.6							
	08S	00010	21.95	36.39	25.31		1529.1							
	08S	00020	21.10	36.41	25.56		1527.1							
	08S	00030	19.00	36.36	26.08		1521.5							
	08S	00050	17.89	36.39	26.38		1518.7							
	08S	00075	17.32	36.38	26.51		1517.4							
	08S	00100	16.90	36.34	26.58		1516.5							
	08S	00125	16.60	36.30	26.62		1516.0							
	08S	00150	16.48	36.28	26.64		1516.0							
	08S	00200	16.30	36.26	26.66		1516.2							
	08S	00250	15.88	36.17	26.69		1515.7							
	08S	00300	15.26	36.04	26.73		1514.4							
	08S	00350	14.15	35.87	26.84		1511.5							
	08S	00400	13.58	35.80	26.91		1510.4							
	08S	00500	12.14	35.59	27.04		1506.9							
	08S	00600	10.22	35.33	27.19		1501.5							
	08S	00700	08.50	35.19	27.37		1496.6							
	08S	00725	08.35	35.21	27.41		1496.5							
	08S	00740	07.99	35.17	27.43		1495.3							
	08S	00800	08.07	35.23	27.46		1496.7							
	08S	00810	07.65	35.20	27.50		1495.2							
	08S	00840	07.40	35.16	27.51		1494.7							
	08S	00870	06.70	35.14	27.59		1492.4							
	08S	00900	06.47	35.14	27.62		1492.0							
	08S	00920	05.96	35.11	27.67		1490.2							
	08S	00960	05.85	35.11	27.68		1490.5							
	08S	01000	05.42	35.06	27.69		1489.3							
	08S	01020	05.56	35.11	27.72		1490.3							
	08S	01100	05.26	35.09	27.74		1490.4							
	08S	01160	05.04	35.08	27.76		1490.5							
	08S	01200	05.10	35.09	27.76		1491.4							
	08S	01229	05.07	35.10	27.77		1491.8							
	08S	01231	04.98	35.09	27.77		1491.4							
	08S	01300	04.81	35.06	27.77		1491.8							
	08S	01400	04.53	35.04	27.78		1492.3							
	08S	01500	04.30	35.02	27.79		1493.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 01737 AIR TEMP 23.3 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0090 MONTH 06 SHIP DU WET BULB 21.4 32 2 3 WIND-SFO 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1028.9 SEA WIND-FOR OURATION 00.5 2 SQUARE 4.8  
 LONG 048 07 W HOUR 19.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 090 1 SQUARE 5.8

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.8	085	00000	23.15	36.43	24.99		1532.0							
	085	00010	22.29	36.43	25.24		1530.0							
	085	00020	20.99	36.22	25.44		1526.5							
	085	00030	19.58	36.28	25.87		1523.0							
	085	00050	18.24	36.31	26.23		1519.6							
	085	00075	16.84	36.28	26.55		1515.8							
	085	00100	16.59	36.27	26.60		1515.5							
	085	00125	16.56	36.29	26.63		1515.8							
	085	00150	16.40	36.27	26.65		1515.7							
	085	00200	16.12	36.23	26.68		1515.7							
	085	00250	15.59	36.12	26.72		1514.7							
	085	00300	14.77	35.98	26.80		1512.8							
	085	00340	14.22	35.89	26.85		1511.6							
	085	00400	13.61	35.78	26.89		1510.4							
	085	00404	13.52	35.78	26.91		1510.2							
	085	00445	13.33	35.78	26.95		1510.2							
	085	00500	12.27	35.53	26.97		1507.3							
	085	00520	11.56	35.47	27.06		1505.1							
	085	00531	11.48	35.48	27.08		1505.0							
	085	00539	10.99	35.40	27.11		1503.3							
	085	00541	11.06	35.44	27.13		1503.6							
	085	00580	10.44	35.37	27.18		1502.0							
	085	00590	10.43	35.37	27.18		1502.1							
	085	00600	10.18	35.34	27.21		1501.3							
	085	00645	09.36	35.29	27.31		1499.0							
	085	00685	08.30	35.17	27.38		1495.5							
	085	00700	08.37	35.20	27.39		1496.1							
	085	00743	08.20	35.24	27.45		1496.2							
	085	00800	07.21	35.17	27.54		1493.3							
	085	00861	07.06	35.23	27.61		1493.8							
	085	00900	06.18	35.11	27.64		1490.8							
	085	00928	05.85	35.10	27.67		1489.9							
	085	00948	05.85	35.12	27.69		1490.3							
	085	00952	05.95	35.15	27.70		1490.8							
	085	00970	05.65	35.10	27.70		1489.8							
	085	00995	05.56	35.10	27.71		1489.9							
	085	01000	05.39	35.07	27.71		1489.2							
	085	01040	05.36	35.07	27.71		1489.8							
	085	01075	05.09	35.06	27.73		1489.2							
	085	01100	05.15	35.08	27.74		1489.9							
	085	01121	05.15	35.08	27.74		1490.3							
	085	01140	04.89	35.04	27.74		1489.5							
	085	01200	04.68	35.03	27.76		1489.6							
	085	01300	04.36	34.99	27.76		1489.9							
	085	01400	04.22	34.99	27.78		1491.0							
	085	01500	04.16	34.99	27.78		1492.4							

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REFID 31 8177 YEAR 1970 BOTOP 04606 AIR TEMP 22.7 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0091 MONTH 06 SHIP DU WET BULB 21.3 00 0 X WIND-SFO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 23 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 4.6  
 LONG 047 59 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E42 091 1 SQUARE 4.7

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	085	00000	23.05	36.45	25.04		1531.8							
	085	00010	21.06	36.35	25.52		1526.7							
	085	00020	19.70	36.32	25.87		1523.2							
	085	00030	18.25	36.26	26.19		1519.2							
	085	00050	17.29	36.30	25.46		1516.8							
	085	00075	16.77	36.32	26.60		1515.7							
	085	00100	16.66	36.30	26.61		1515.7							
	085	00125	16.44	36.28	26.65		1515.5							
	085	00150	16.27	36.25	26.66		1515.3							
	085	00200	15.71	36.15	26.72		1514.3							
	085	00250	15.31	36.08	26.75		1513.8							
	085	00300	14.77	35.98	26.80		1512.8							
	085	00400	13.60	35.79	26.90		1510.4							
	085	00500	11.65	35.46	27.03		1505.0							
	085	00600	09.93	35.31	27.22		1500.4							
	085	00630	09.17	35.22	27.28		1496.0							
	085	00700	08.40	35.13	27.33		1496.1							
	085	00711	08.06	35.13	27.39		1495.0							
	085	00725	08.09	35.20	27.44		1495.5							
	085	00758	07.50	35.16	27.49		1493.7							
	085	00800	07.20	35.17	27.54		1493.2							
	085	00824	06.85	35.17	27.59		1492.4							
	085	00883	06.62	35.20	27.62		1493.2							
	085	00893	06.58	35.15	27.62		1492.3							
	085	00900	06.61	35.18	27.63		1492.6							
	085	00955	06.37	35.21	27.65		1492.6							
	085	00970	05.85	35.12	27.69		1490.6							
	085	01000	05.75	35.12	27.70		1490.7							
	085	01026	05.82	35.16	27.72		1491.5							
	085	01090	05.39	35.10	27.75		1490.8							
	085	01100	05.21	35.08	27.73		1490.2							
	085	01200	04.73	35.03	27.75		1489.8							
	085	01300	04.47	35.02	27.77		1490.4							
	085	01327	04.36	35.01	27.77		1490.5							
	085	01340	04.23	34.99	27.78		1490.0							
	085	01400	04.17	34.98	27.77		1490.8							
	085	01500	04.00	34.97	27.78		1491.7							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 80TOP 04755 AIR TEMP 22.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0642 MONTH 06 SHIP OU WET BULB 20.2 15 1 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 24 DATA USE 1 SEA BAROMETP 129.1 CL/TP WIND-FDR OUPATION 00.5 7 SQUARE 48  
 LONG 048 00 W HDUR 06.3 AREA 05 CLOUD T/A CL/TP WEATHER YI OPIG E42 092 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
06.3	0BS	00000	22.89	36.40	25.05		1531.3							
	0BS	00010	21.64	36.36	25.17		1528.2							
	0BS	00020	20.59	36.33	25.24		1525.6							
	0BS	00030	19.34	36.29	25.34		1521.3							
	0BS	00050	17.34	36.25	25.41		1516.9							
	0BS	00075	16.71	36.29	25.49		1515.5							
	0BS	00100	16.49	36.28	25.53		1515.2							
	0BS	00125	16.40	36.27	25.55		1515.3							
	0BS	00150	16.20	36.24	25.67		1515.1							
	0BS	00200	15.77	36.15	25.70		1514.5							
	0BS	00250	15.37	36.10	25.75		1514.0							
	0BS	00300	14.72	35.97	25.80		1512.6							
	0BS	00400	13.69	35.81	25.90		1510.7							
	0BS	00500	12.13	35.54	27.00		1506.8							
	0BS	00600	10.11	35.34	27.42		1501.1							
	0BS	00605	09.97	35.30	27.21		1500.6							
	0BS	00615	10.10	35.37	27.24		1501.3							
	0BS	00650	08.84	35.17	27.30		1497.0							
	0BS	00666	08.73	35.19	27.42		1496.9							
	0BS	00671	08.52	35.15	27.33		1496.1							
	0BS	00700	08.30	35.18	27.35		1495.3							
	0BS	00710	08.22	35.17	27.35		1495.7							
	0BS	00725	08.34	35.26	27.45		1496.5							
	0BS	00760	07.41	35.10	27.66		1493.3							
	0BS	00768	07.61	35.24	27.64		1494.4							
	0BS	00800	07.39	35.22	27.66		1494.0							
	0BS	00821	07.30	35.24	27.69		1494.1							
	0BS	00850	06.75	35.13	27.62		1492.3							
	0BS	00900	06.39	35.20	27.68		1491.7							
	0BS	00930	06.29	35.18	27.68		1491.3							
	0BS	00965	05.84	35.14	27.70		1490.5							
	0BS	00980	05.91	35.17	27.72		1491.1							
	0BS	01000	05.66	35.12	27.71		1490.4							
	0BS	01010	05.79	35.17	27.73		1491.1							
	0BS	01100	05.09	35.07	27.74		1489.7							
	0BS	01200	04.72	35.04	27.76		1489.8							
	0BS	01240	04.47	35.00	27.76		1489.4							
	0BS	01272	04.49	35.01	27.76		1490.0							
	0BS	01300	04.27	34.99	27.77		1489.5							
	0BS	01400	04.11	34.98	27.78		1490.5							
	0BS	01440	04.07	34.98	27.78		1491.0							
	0BS	01460	04.20	35.00	27.75		1491.9							
	0BS	01500	04.12	35.00	27.75		1492.3							

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REFID 31 8177 YEAR 1970 80TOP 04572 AIR TEMP 23.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0093 MONTH 06 SHIP OU WET BULB 19.9 17 2 3 WIND-SPD 02 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 24 DATA USE 1 SEA BAROMETP 1030.2 CL/TP WIND-FDR OUPATION 00.4 2 SQUARE 46  
 LONG 047 58 W HDUR 11.7 AREA 05 CLOUD T/A CL/TP WEATHER X1 OPIG E42 093 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
11.7	0BS	00000	22.68	36.44	25.14		1530.8							
	0BS	00010	21.94	36.37	25.29		1529.0							
	0BS	00020	20.59	36.33	25.34		1525.6							
	0BS	00030	19.44	36.31	25.43		1522.6							
	0BS	00050	17.69	36.30	25.36		1518.0							
	0BS	00075	16.85	36.30	25.56		1515.9							
	0BS	00100	16.59	36.30	25.63		1515.5							
	0BS	00125	16.41	36.28	25.65		1515.4							
	0BS	00150	16.19	36.25	25.68		1515.1							
	0BS	00200	15.54	36.13	25.74		1513.7							
	0BS	00250	14.94	36.02	25.79		1512.6							
	0BS	00300	14.18	35.90	25.86		1510.8							
	0BS	00400	13.32	35.78	25.95		1509.5							
	0BS	00420	13.27	35.78	25.96		1509.6							
	0BS	00500	12.00	35.56	27.04		1506.4							
	0BS	00600	10.42	35.37	27.19		1502.2							
	0BS	00700	08.59	35.22	27.38		1497.0							
	0BS	00720	08.30	35.22	27.42		1496.2							
	0BS	00750	08.14	35.23	27.45		1496.1							
	0BS	00800	07.34	35.17	27.52		1493.8							
	0BS	00850	07.01	35.17	27.57		1493.3							
	0BS	00900	06.34	35.13	27.63		1491.4							
	0BS	00910	06.54	35.19	27.65		1492.5							
	0BS	00915	06.37	35.16	27.65		1491.9							
	0BS	00940	06.54	35.22	27.68		1493.0							
	0BS	00970	05.93	35.11	27.67		1491.0							
	0BS	00980	06.17	35.18	27.65		1492.2							
	0BS	01000	05.90	35.14	27.70		1491.4							
	0BS	01006	05.82	35.12	27.69		1491.1							
	0BS	01070	05.76	35.15	27.72		1492.0							
	0BS	01100	05.22	35.08	27.73		1490.2							
	0BS	01200	04.70	35.03	27.75		1489.7							
	0BS	01250	04.44	35.01	27.77		1489.4							
	0BS	01300	04.36	35.00	27.77		1489.9							
	0BS	01400	04.26	35.00	27.78		1491.2							
	0BS	01500	04.14	34.99	27.78		1492.3							

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TABLE XXI.—Continued

REF ID	31 9177	YEAR	1970	BOTOP	04297	AIR TEMP	23.2	DIP	HGT	PER	#IND-OIR	14	INST	STD	RECORDER	T-N	50	1206		
CONSEC	0094	MONTH	06	SHEP	00	WET BULB	19.4		14	2	3	#IND-SPO	03	TRACE	OIR	0	5	SQUARE	4	
LAT	35 01 N	DAY	24	DATA	USE	1	BAROMETR	1029.0	SEA			#IND-FLP		DURATION		00.6		2	SQUARE	46
LONG	047 55 W	HOUR	19.3	AREA		05	CLOUD	T/A	CL/TR			#WEATHER	<1	DRIG	E42	094		1	SQUARE	57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SNO VEL	OXYG	PD4	TGT P	NO2	NO3	S133	PH
19.3	085	00000	23.28	36.48	24.95		1532.4							
	085	00010	22.37	36.43	25.22		1530.2							
	085	00020	21.10	36.22	25.41		1526.8							
	085	00030	19.47	36.33	25.93		1522.7							
	085	00050	17.85	36.31	26.33		1518.4							
	085	00075	16.90	36.31	26.66		1516.1							
	085	00100	16.62	36.29	26.60		1515.6							
	085	00125	16.38	36.27	26.65		1515.3							
	085	00150	16.22	36.23	26.66		1515.1							
	085	00200	15.85	36.17	26.70		1514.8							
	085	00250	15.40	36.09	26.74		1514.1							
	085	00300	14.89	36.01	26.75		1513.2							
	085	00353	14.26	35.89	26.84		1511.9							
	085	00400	13.62	35.81	26.91		1510.5							
	085	00500	12.47	35.62	27.00		1508.1							
	085	00530	12.20	35.56	27.00		1507.6							
	085	00537	11.92	35.52	27.03		1506.7							
	085	00554	11.80	35.52	27.05		1506.5							
	085	00600	10.61	35.40	27.18		1502.9							
	085	00620	10.62	35.41	27.18		1503.3							
	085	00640	10.45	35.40	27.20		1503.0							
	085	00670	09.90	35.34	27.25		1501.5							
	085	00680	09.20	35.25	27.30		1498.9							
	085	00700	08.75	35.19	27.33		1497.5							
	085	00729	08.17	35.17	27.40		1495.8							
	085	00755	08.30	35.27	27.46		1496.8							
	085	00789	07.44	35.19	27.53		1494.0							
	085	00800	07.44	35.18	27.52		1494.2							
	085	00817	07.11	35.16	27.55		1493.1							
	085	00850	06.94	35.20	27.61		1493.1							
	085	00860	07.02	35.24	27.63		1493.6							
	085	00900	06.48	35.17	27.64		1492.1							
	085	00924	06.29	35.15	27.65		1491.7							
	085	00934	06.40	35.19	27.67		1492.3							
	085	00990	05.50	35.07	27.69		1489.5							
	085	01000	05.50	35.08	27.70		1489.7							
	085	01057	05.30	35.07	27.72		1489.8							
	085	01090	04.96	35.04	27.73		1488.9							
	085	01100	05.03	35.06	27.74		1489.4							
	085	01120	05.12	35.08	27.75		1490.1							
	085	01160	04.79	35.03	27.74		1489.4							
	085	01200	04.81	35.05	27.76		1490.2							
	085	01300	04.56	35.01	27.75		1490.7							
	085	01385	04.40	35.01	27.77		1491.5							
	085	01400	04.50	35.03	27.78		1492.2							
	085	01500	04.17	34.99	27.78		1492.5							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BCTOP 04389 AIR TEMP 22.9 DIP HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0095 MONTH 06 SHIP OU WET BULB 21.4 14 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 24 DATA USE 1 BAROMETR 1030.5 SEA WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HDUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER Y1 ORIG E42 095 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P14	TCT P	NO2	NO3	S133	PH
23.7	OBS	0000	23.36	36.44	24.54		1532.5							
	OBS	0010	22.05	36.44	25.72		1529.4							
	OBS	0020	21.00	36.38	25.56		1526.8							
	OBS	0030	20.35	36.33	25.70		1525.1							
	OBS	0050	17.87	36.32	26.33		1518.5							
	OBS	0075	16.85	36.30	26.56		1515.9							
	OBS	0100	16.60	36.30	26.62		1515.0							
	OBS	0125	16.47	36.29	26.65		1515.0							
	OBS	0150	16.24	36.26	26.68		1515.2							
	OBS	0200	15.63	36.14	26.74		1514.0							
	OBS	0250	15.15	36.06	26.77		1513.3							
	OBS	0300	14.40	35.92	26.83		1511.5							
	OBS	0400	13.49	35.80	26.93		1510.1							
	OBS	0442	13.05	35.73	26.97		1509.2							
	OBS	0500	11.92	35.52	27.03		1506.1							
	OBS	0510	11.75	35.52	27.06		1505.6							
	OBS	0515	11.77	35.53	27.06		1505.8							
	OBS	0556	10.91	35.40	27.12		1503.3							
	OBS	0600	10.36	35.38	27.20		1502.0							
	OBS	0620	09.50	35.24	27.24		1499.9							
	OBS	0650	08.83	35.24	27.35		1497.1							
	OBS	0700	08.50	35.25	27.40		1496.6							
	OBS	0800	07.34	35.18	27.53		1493.8							
	OBS	0839	06.97	35.15	27.56		1492.9							
	OBS	0843	07.03	35.20	27.55		1493.3							
	OBS	0860	06.66	35.14	27.60		1492.1							
	OBS	0875	06.59	35.15	27.61		1492.1							
	OBS	0885	06.37	35.11	27.61		1491.3							
	OBS	0890	06.45	35.14	27.62		1491.7							
	OBS	0900	06.38	35.13	27.63		1491.6							
	OBS	0922	06.06	35.11	27.65		1490.7							
	OBS	0930	06.27	35.16	27.66		1491.7							
	OBS	0970	05.73	35.08	27.67		1490.1							
	OBS	1000	05.84	35.14	27.70		1491.1							
	OBS	1026	05.72	35.14	27.72		1491.1							
	OBS	1036	05.78	35.16	27.73		1491.5							
	OBS	1073	05.22	35.08	27.73		1489.8							
	OBS	1100	05.06	35.07	27.74		1489.5							
	OBS	1110	04.94	35.05	27.74		1489.2							
	OBS	1200	04.58	35.01	27.75		1489.2							
	OBS	1300	04.36	35.01	27.78		1489.9							
	OBS	1400	04.22	35.00	27.78		1491.0							
	OBS	1465	04.22	35.01	27.79		1492.1							
	OBS	01500	04.07	34.98	27.78		1492.0							

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REFID 31 8177 YEAR 1970 BCTOP 04023 AIR TEMP 22.7 DIP HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0096 MONTH 06 SHIP OU WET BULB 21.5 14 2 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 25 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 01 W HDUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E42 096 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P14	TCT P	NO2	NO3	S133	PH
06.3	OBS	0000	23.12	36.46	25.02		1531.9							
	OBS	0010	21.33	36.41	25.49		1527.5							
	OBS	0020	20.15	36.34	25.76		1524.4							
	OBS	0030	18.93	36.29	26.04		1521.2							
	OBS	0050	17.30	36.21	26.46		1516.8							
	OBS	0075	16.53	36.32	25.56		1516.2							
	OBS	0100	16.67	36.30	26.61		1515.8							
	OBS	0125	16.55	36.31	26.64		1515.8							
	OBS	0150	16.44	36.30	26.66		1515.9							
	OBS	0200	16.15	36.24	26.66		1515.8							
	OBS	0250	15.82	36.18	26.71		1515.5							
	OBS	0300	15.00	36.02	26.78		1513.6							
	OBS	0330	13.53	35.78	26.91		1510.0							
	OBS	0400	13.59	35.82	26.92		1510.4							
	OBS	0460	12.88	35.69	26.97		1508.9							
	OBS	0480	12.31	35.60	27.01		1507.2							
	OBS	0500	12.24	35.59	27.02		1507.2							
	OBS	0550	11.48	35.49	27.05		1505.3							
	OBS	0600	10.37	35.35	27.18		1502.0							
	OBS	0650	09.35	35.25	27.28		1499.0							
	OBS	0667	09.29	35.26	27.29		1499.1							
	OBS	0700	08.60	35.18	27.34		1496.9							
	OBS	0770	08.08	35.22	27.45		1496.2							
	OBS	0800	07.57	35.20	27.51		1494.7							
	OBS	0830	07.18	35.19	27.56		1493.7							
	OBS	0860	07.13	35.22	27.55		1494.0							
	OBS	0900	06.65	35.19	27.64		1492.8							
	OBS	0950	05.70	35.08	27.68		1489.8							
	OBS	1000	05.45	35.06	27.69		1489.4							
	OBS	1014	05.35	35.07	27.71		1489.3							
	OBS	1045	05.33	35.05	27.73		1489.7							
	OBS	1100	05.14	35.07	27.74		1489.9							
	OBS	1180	04.67	35.03	27.76		1489.2							
	OBS	1200	04.63	35.02	27.75		1489.4							
	OBS	1210	04.52	35.01	27.76		1489.1							
	OBS	1300	04.37	35.00	27.77		1489.9							
	OBS	1400	04.19	34.99	27.78		1490.9							
	OBS	01500	04.10	34.99	27.75		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04297 AIR TEMP 22.7 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0097 MONTH 06 SHIP DU WET BULB 21.1 13 2 3 WIND-SPO 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1030.2 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 59 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X6 CRIG F42 097 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
11.9	085	00000	23.02	36.46	25.05		1531.7							
	085	00010	21.74	36.46	25.42		1528.6							
	085	00020	21.67	36.45	25.43		1528.6							
	085	00030	19.65	36.21	25.79		1523.1							
	085	00050	17.90	36.29	26.30		1518.6							
	085	00075	16.91	36.35	26.59		1516.1							
	085	00100	16.61	36.30	26.62		1515.6							
	085	00125	16.37	36.27	26.66		1515.2							
	085	00150	16.10	36.22	26.68		1514.8							
	085	00200	15.57	36.13	26.73		1513.8							
	085	00250	14.99	36.03	26.79		1512.7							
	085	00300	14.3E	35.93	26.84		1511.5							
	085	00400	13.30	35.76	26.94		1509.4							
	085	00500	11.90	35.54	27.05		1506.0							
	085	00600	10.27	35.32	27.17		1501.6							
	085	00700	08.60	35.22	27.37		1497.0							
	085	00740	08.00	35.19	27.44		1495.3							
	085	00800	07.38	35.18	27.53		1493.9							
	085	00822	07.12	35.16	27.55		1493.3							
	085	00842	07.15	35.20	27.58		1493.8							
	085	00900	06.50	35.16	27.63		1492.1							
	085	00914	06.00	35.10	27.65		1490.3							
	085	00940	05.95	35.11	27.67		1490.5							
	085	00950	06.35	35.20	27.69		1492.4							
	085	00960	05.95	35.13	27.68		1490.9							
	085	01000	05.74	35.13	27.71		1490.7							
	085	01030	05.64	35.13	27.72		1490.8							
	085	01050	05.39	35.10	27.73		1490.1							
	085	01090	05.41	35.13	27.75		1490.9							
	085	01100	05.25	35.10	27.75		1490.4							
	085	01200	04.64	35.04	27.77		1489.4							
	085	01300	04.27	34.99	27.77		1489.5							
	085	01400	04.12	34.98	27.78		1490.6							
	085	01500	04.00	34.98	27.79		1491.7							

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REFID 31 8177 YEAR 1970 BOTOP 04663 AIR TEMP 23.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0098 MONTH 06 SHIP DU WET BULB 21.7 13 3 3 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 25 DATA USE 1 BAROMETR 1029.4 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 58 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG F42 098 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
18.2	085	00000	23.00	36.36	24.98		1531.5							
	085	00010	21.85	36.36	25.31		1528.8							
	085	00020	20.30	36.27	25.67		1524.8							
	085	00030	18.20	36.24	26.19		1519.0							
	085	00050	17.08	36.28	26.49		1516.2							
	085	00075	16.52	36.26	26.61		1514.9							
	085	00100	16.38	36.25	26.64		1514.8							
	085	00125	16.12	36.22	26.68		1514.4							
	085	00150	15.98	36.20	26.69		1514.4							
	085	00200	15.52	36.12	26.74		1513.7							
	085	00250	14.92	36.00	26.78		1512.5							
	085	00300	14.41	35.92	26.83		1511.6							
	085	00400	13.24	35.72	26.92		1509.1							
	085	00500	11.62	35.46	27.04		1504.9							
	085	00526	11.04	35.40	27.10		1503.3							
	085	00574	10.35	35.33	27.17		1501.6							
	085	00600	09.60	35.24	27.23		1499.1							
	085	00630	09.27	35.25	27.29		1498.4							
	085	00660	08.48	35.13	27.32		1495.8							
	085	00700	08.24	35.21	27.42		1495.6							
	085	00702	08.20	35.20	27.42		1495.5							
	085	00706	08.27	35.23	27.43		1495.9							
	085	00710	08.11	35.21	27.44		1495.3							
	085	00718	08.32	35.26	27.45		1496.3							
	085	00726	08.03	35.21	27.45		1495.3							
	085	00732	08.20	35.26	27.47		1496.1							
	085	00740	07.99	35.21	27.46		1495.3							
	085	00749	08.12	35.27	27.49		1496.1							
	085	00800	07.30	35.18	27.54		1493.6							
	085	00835	07.00	35.15	27.56		1493.0							
	085	00859	06.47	35.09	27.58		1491.2							
	085	00861	06.51	35.13	27.61		1491.5							
	085	00900	06.22	35.11	27.63		1490.9							
	085	00970	05.65	35.10	27.70		1489.8							
	085	00980	05.72	35.13	27.71		1490.3							
	085	01000	05.61	35.11	27.71		1490.2							
	085	01045	05.66	35.15	27.74		1491.2							
	085	01100	05.31	35.09	27.73		1490.6							
	085	01180	04.91	35.06	27.75		1490.2							
	085	01190	04.94	35.07	27.76		1490.6							
	085	01200	04.83	35.05	27.76		1490.2							
	085	01300	04.51	35.02	27.77		1490.6							
	085	01400	04.30	35.00	27.78		1491.3							
	085	01500	04.11	34.99	27.79		1492.2							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 04846	AIR TEMP 23.0	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1206
CONSEC 0099	MONTH 06	SHIP DU	WET BULB 21.3	15 2 3	WIND-SPD 05	TRACE DIR 0	5 SQUARE 2
LAT 34 52 N	DAY 25	DATA USE 1	BAROMETR 1031.0	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 46
LONG 047 55 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 099	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PO4	TOT P	NO2	ND3	S103	PH
23.6	OBS	00000	23.40	36.30	24.82		1532.4							
	OBS	00010	21.64	36.37	25.38		1528.3							
	OBS	00020	21.10	36.36	25.52		1527.0							
	OBS	00030	19.80	36.32	25.84		1523.6							
	OBS	00050	17.65	36.18	26.28		1517.7							
	OBS	00075	16.65	36.29	26.60		1515.3							
	OBS	00100	16.44	36.28	26.65		1515.1							
	OBS	00125	16.20	36.22	26.66		1514.7							
	OBS	00150	15.90	36.17	26.65		1514.1							
	OBS	00200	15.67	36.14	26.72		1514.2							
	OBS	00250	15.25	36.06	26.75		1513.6							
	OBS	00300	14.73	35.97	26.80		1512.6							
	OBS	00371	14.01	35.88	26.88		1511.4							
	OBS	00400	13.62	35.80	26.90		1510.5							
	OBS	00460	13.00	35.72	26.97		1509.3							
	OBS	00500	11.95	35.61	27.09		1506.3							
	OBS	00540	11.10	35.42	27.10		1503.7							
	OBS	00600	09.92	35.30	27.22		1500.3							
	OBS	00627	09.19	35.20	27.26		1498.0							
	OBS	00642	09.13	35.25	27.31		1498.1							
	OBS	00689	08.27	35.14	27.36		1495.5							
	OBS	00700	08.30	35.19	27.40		1495.8							
	OBS	00713	08.10	35.14	27.39		1495.2							
	OBS	00740	07.98	35.18	27.44		1495.3							
	OBS	00749	08.16	35.27	27.48		1496.2							
	OBS	00782	07.20	35.13	27.51		1492.9							
	OBS	00790	07.27	35.18	27.54		1493.3							
	OBS	00800	07.22	35.18	27.55		1493.3							
	OBS	00830	07.19	35.21	27.58		1493.7							
	OBS	00855	06.75	35.18	27.62		1492.4							
	OBS	00883	06.72	35.19	27.63		1492.8							
	OBS	00900	06.54	35.19	27.65		1492.3							
	OBS	00920	06.49	35.20	27.67		1492.5							
	OBS	01000	05.75	35.12	27.70		1490.7							
	OBS	01019	05.82	35.18	27.74		1491.4							
	OBS	01070	05.20	35.08	27.74		1489.6							
	OBS	01100	05.17	35.08	27.74		1490.0							
	OBS	01200	04.88	35.06	27.76		1490.5							
	OBS	01300	04.55	35.02	27.76		1490.7							
	OBS	01340	04.28	34.97	27.75		1490.2							
	OBS	01400	04.18	34.97	27.76		1490.8							
	OBS	01500	04.11	34.97	27.77		1492.2							

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REFID 31 8177	YEAR 1970	BOTOP 02762	AIR TEMP 22.5	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0100	MONTH 06	SHIP DU	WET BULB 21.5	14 2 3	WIND-SPD 02	TRACE DIR 0	5 SQUARE 4
LAT 35 02.5N	DAY 26	DATA USE 1	BAROMETR 1029.9	SEA	WIND-FDR	DURATION 00.6	2 SQUARE 48
LONG 048 06.0W	HOUR 07.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 100	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PO4	TOT P	NO2	ND3	S103	PH
07.3	OBS	00000	23.12	36.36	24.95		1531.8							
	OBS	00010	22.84	36.28	24.97		1531.2							
	OBS	00020	21.04	36.36	25.54		1526.8							
	OBS	00030	20.44	36.29	25.65		1525.3							
	OBS	00050	18.24	36.30	26.22		1519.6							
	OBS	00075	17.09	36.29	26.50		1516.6							
	OBS	00100	16.74	36.29	26.58		1516.0							
	OBS	00105	16.60	36.26	26.59		1515.6							
	OBS	00125	16.56	36.29	26.63		1515.8							
	OBS	00150	16.51	36.28	26.63		1516.1							
	OBS	00200	16.07	36.21	26.68		1515.5							
	OBS	00250	15.44	36.07	26.72		1514.2							
	OBS	00300	14.58	35.93	26.80		1512.1							
	OBS	00400	13.64	35.79	26.89		1510.5							
	OBS	00450	13.02	35.69	26.94		1509.2							
	OBS	00500	11.99	35.52	27.01		1506.3							
	OBS	00562	11.19	35.44	27.10		1504.4							
	OBS	00580	10.49	35.31	27.13		1502.1							
	OBS	00600	10.12	35.30	27.18		1501.1							
	OBS	00692	08.42	35.13	27.33		1496.1							
	OBS	00700	08.49	35.18	27.36		1496.5							
	OBS	00760	07.84	35.16	27.44		1495.0							
	OBS	00790	07.36	35.13	27.49		1493.6							
	OBS	00800	07.21	35.13	27.51		1493.2							
	OBS	00810	07.13	35.13	27.52		1493.1							
	OBS	00830	07.15	35.18	27.56		1493.5							
	OBS	00845	07.22	35.21	27.57		1494.1							
	OBS	00880	06.43	35.11	27.60		1491.4							
	OBS	00900	06.49	35.15	27.63		1492.1							
	OBS	00925	06.58	35.18	27.64		1492.9							
	OBS	01000	05.79	35.10	27.68		1490.9							
	OBS	01050	05.52	35.07	27.69		1490.6							
	OBS	01060	05.57	35.10	27.71		1491.0							
	OBS	01090	05.44	35.09	27.72		1490.9							
	OBS	01100	05.18	35.05	27.71		1490.0							
	OBS	01200	04.76	35.01	27.73		1489.9							
	OBS	01280	04.40	34.98	27.75		1489.7							
	OBS	01300	04.42	34.99	27.75		1490.1							
	OBS	01400	04.26	34.97	27.76		1491.1							
	OBS	01500	04.13	34.97	27.77		1492.3							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 02835 AIR TEMP 23.9 OIR HGT PER WIND-OIR 14 INST STO RECORDER TEN SQ 1206  
 CONSEC 0101 MONTH 06 SHIP OU WET BULB 22.0 14 2 3 WIND-SPD 03 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1030.6 SEA WIND-FDR OURATION 00.5 2 SQUARE 48  
 LONG 048 04 W HOUR 11.4 AREA 05 CLOUD T/A CL/T/P WEATHER X1 DRIG F42 101 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
11.4	DBS	00000	23.24	36.41	24.95		1532.2							
	DBS	00010	21.62	36.38	25.35		1526.2							
	DBS	00020	19.99	36.27	25.75		1523.9							
	DBS	00030	18.84	36.24	26.03		1520.9							
	DBS	00050	17.34	36.27	26.42		1516.9							
	DBS	00075	16.81	36.28	26.56		1515.8							
	DBS	00100	16.52	36.25	26.60		1515.3							
	DBS	00125	16.32	36.23	26.64		1515.0							
	DBS	00150	16.12	36.20	26.66		1514.8							
	DBS	00200	15.76	36.14	26.70		1514.4							
	DBS	00250	15.29	36.05	26.73		1513.7							
	DBS	00300	14.71	35.97	26.80		1512.6							
	DBS	00380	13.79	35.81	26.87		1510.7							
	DBS	00400	13.39	35.75	26.91		1509.7							
	DBS	00500	11.94	35.53	27.03		1506.1							
	DBS	00600	10.37	35.33	27.16		1502.0							
	DBS	00660	09.12	35.22	27.29		1498.3							
	DBS	00675	09.07	35.21	27.29		1498.3							
	DBS	00700	08.61	35.19	27.35		1497.0							
	DBS	00720	08.59	35.21	27.37		1497.3							
	DBS	00800	07.24	35.16	27.53		1493.4							
	DBS	00925	07.18	35.21	27.58		1493.6							
	DBS	00900	06.36	35.15	27.64		1491.6							
	DBS	00928	06.00	35.12	27.67		1490.5							
	DBS	01000	05.59	35.07	27.68		1490.0							
	DBS	01025	05.31	35.05	27.70		1489.3							
	DBS	01035	05.40	35.08	27.71		1489.9							
	DBS	01100	05.18	35.08	27.74		1490.0							
	DBS	01145	05.15	35.07	27.73		1490.7							
	DBS	01160	04.94	35.05	27.74		1490.0							
	DBS	01180	04.91	35.05	27.75		1490.2							
	DBS	01200	04.72	35.02	27.74		1489.7							
	DBS	01220	04.68	35.02	27.75		1489.9							
	DBS	01230	04.75	35.05	27.77		1490.4							
	DBS	01260	04.47	35.00	27.76		1489.7							
	DBS	01300	04.45	35.00	27.76		1490.3							
	DBS	01320	04.49	35.01	27.76		1490.8							
	DBS	01340	04.39	34.99	27.76		1490.7							
	DBS	01400	04.32	34.99	27.77		1491.4							
	DBS	01500	04.16	34.99	27.78		1492.4							

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REFID 31 8177 YEAR 1970 BOTOP 04206 AIR TEMP 25.0 OIR HGT PER WIND-OIR 16 INST STO RECORDER TEN SQ 1206  
 CONSEC 0102 MONTH 06 SHIP OU WET BULB 21.9 14 2 3 WIND-SPD 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1028.5 SEA WIND-FDR OURATION 00.5 2 SQUARE 46  
 LONG 047 54 W HOUR 18.1 AREA 05 CLOUD T/A CL/T/P WEATHER X1 DRIG F42 102 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
18.1	DBS	00000	25.74	36.42	24.21		1538.1							
	DBS	00010	25.32	36.43	24.34		1537.3							
	DBS	00020	19.86	36.44	25.91		1523.8							
	DBS	00030	18.84	36.42	26.16		1521.1							
	DBS	00050	17.42	36.38	26.49		1517.3							
	DBS	00075	16.91	36.34	26.58		1516.1							
	DBS	00100	16.48	36.31	26.66		1515.2							
	DBS	00125	16.22	36.28	26.70		1514.8							
	DBS	00150	16.04	36.25	26.72		1514.6							
	DBS	00200	15.61	36.17	26.75		1514.0							
	DBS	00250	15.20	36.09	26.78		1513.5							
	DBS	00300	14.66	36.01	26.84		1512.5							
	DBS	00400	13.48	35.83	26.95		1510.1							
	DBS	00500	11.94	35.59	27.08		1506.2							
	DBS	00600	10.13	35.41	27.27		1501.2							
	DBS	00700	08.27	35.23	27.43		1495.8							
	DBS	00775	07.10	35.13	27.53		1492.4							
	DBS	00790	07.24	35.20	27.56		1493.3							
	DBS	00800	06.93	35.16	27.57		1492.2							
	DBS	00820	07.00	35.22	27.61		1492.8							
	DBS	00900	06.16	35.17	27.69		1490.8							
	DBS	00910	06.26	35.19	27.69		1491.4							
	DBS	00980	05.56	35.10	27.71		1489.6							
	DBS	01000	05.56	35.12	27.72		1490.0							
	DBS	01100	04.98	35.06	27.75		1489.2							
	DBS	01200	04.61	35.01	27.75		1489.3							
	DBS	01300	04.44	35.00	27.76		1490.2							
	DBS	01400	04.29	34.99	27.77		1491.3							
	DBS	01500	04.11	34.98	27.78		1492.2							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04334 AIR TEMP 23.3 OIR HGT PER WIND-OIR 12 INST STD FECORDEP TEN SQ 1206  
 CONSEC 0103 MONTH 06 SHIP OU WFT BULB 21.9 13 2 3 WIND-SPD 06 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 26 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 23.4 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E42 103 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIG3	PH
23.4	08S	00000	24.11	36.34	24.64		1536.2							
	08S	00010	22.39	36.42	25.20		1530.2							
	08S	00020	21.59	36.32	25.35		1528.2							
	08S	00030	19.76	36.29	25.83		1523.5							
	08S	00050	17.48	36.31	26.42		1517.4							
	08S	00075	16.92	36.30	26.55		1516.1							
	08S	00100	16.67	36.29	26.60		1515.8							
	08S	00125	16.54	36.26	26.61		1515.7							
	08S	00150	16.32	36.23	26.64		1515.4							
	08S	00200	15.82	36.13	26.68		1514.6							
	08S	00250	15.14	36.00	26.73		1513.2							
	08S	00264	14.90	35.99	26.77		1512.6							
	08S	00282	14.86	35.97	26.77		1512.8							
	08S	00287	14.67	35.94	26.79		1512.2							
	08S	00300	14.63	35.93	26.79		1512.3							
	08S	00400	13.67	35.80	26.89		1510.6							
	08S	00420	13.59	35.79	26.90		1510.7							
	08S	00500	12.24	35.58	27.01		1507.2							
	08S	00600	10.44	35.33	27.15		1502.2							
	08S	00654	09.12	35.21	27.28		1498.2							
	08S	00675	08.96	35.21	27.31		1497.9							
	08S	00690	08.63	35.17	27.33		1496.9							
	08S	00700	08.64	35.18	27.34		1497.1							
	08S	00730	08.16	35.19	27.42		1495.8							
	08S	00760	07.94	35.21	27.47		1495.5							
	08S	00770	07.59	35.15	27.47		1494.2							
	08S	00789	07.43	35.18	27.52		1493.9							
	08S	00800	07.54	35.22	27.53		1494.6							
	08S	00849	07.32	35.21	27.56		1494.6							
	08S	00900	06.68	35.18	27.63		1492.9							
	08S	00955	06.54	35.18	27.64		1493.2							
	08S	00967	06.22	35.13	27.65		1492.1							
	08S	01000	05.94	35.13	27.68		1491.5							
	08S	01069	05.60	35.11	27.71		1491.3							
	08S	01100	05.22	35.06	27.72		1490.2							
	08S	01200	04.89	35.02	27.73		1490.4							
	08S	01300	04.55	35.01	27.76		1490.7							
	08S	01400	04.41	35.00	27.76		1491.8							
	08S	01500	04.23	34.99	27.78		1492.7							

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REFID 31 8177 YEAR 1970 BOTOP 04206 AIR TEMP 23.2 OIR HGT PER WIND-OIR 15 INST STD FECOPOFR TEN SQ 1206  
 CONSEC 0104 MONTH 06 SHIP OU WFT BULB 21.7 13 1 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 27 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 03 W HOUR 06.1 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E42 104 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIG3	PH
06.1	08S	00000	23.86	36.39	24.75		1525.2							
	08S	00010	22.34	36.34	25.16		1530.0							
	08S	00020	20.84	36.32	25.56		1526.3							
	08S	00030	19.35	36.32	25.96		1522.4							
	08S	00050	18.09	36.26	26.25		1519.1							
	08S	00075	16.92	36.28	26.53		1516.1							
	08S	00100	16.71	36.28	26.58		1515.9							
	08S	00125	16.59	36.28	26.61		1515.9							
	08S	00150	16.34	36.25	26.65		1515.5							
	08S	00200	15.91	36.17	26.69		1514.9							
	08S	00250	15.47	36.07	26.71		1514.3							
	08S	00300	14.86	35.97	26.77		1513.1							
	08S	00400	13.74	35.79	26.87		1510.9							
	08S	00500	11.96	35.51	27.01		1506.2							
	08S	00550	10.99	35.40	27.11		1503.5							
	08S	00600	10.48	35.37	27.18		1502.4							
	08S	00680	08.48	35.15	27.34		1496.1							
	08S	00700	08.51	35.21	27.38		1496.6							
	08S	00712	08.69	35.31	27.43		1497.6							
	08S	00760	07.47	35.15	27.49		1493.6							
	08S	00775	07.55	35.20	27.52		1494.2							
	08S	00782	07.34	35.16	27.52		1493.5							
	08S	00800	07.40	35.21	27.55		1494.1							
	08S	00812	07.39	35.23	27.56		1494.2							
	08S	00845	07.14	35.23	27.60		1493.8							
	08S	00860	06.76	35.17	27.61		1492.5							
	08S	00900	06.46	35.14	27.66		1492.0							
	08S	00974	05.76	35.11	27.69		1490.3							
	08S	01000	05.70	35.12	27.71		1490.5							
	08S	01020	05.57	35.11	27.71		1490.3							
	08S	01035	05.57	35.12	27.72		1490.6							
	08S	01100	05.10	35.07	27.74		1489.7							
	08S	01170	04.74	35.03	27.75		1489.3							
	08S	01200	04.74	35.04	27.76		1489.9							
	08S	01210	04.80	35.05	27.76		1490.3							
	08S	01225	04.67	35.03	27.76		1490.0							
	08S	01250	04.69	35.04	27.76		1490.5							
	08S	01300	04.56	35.02	27.76		1490.8							
	08S	01310	04.47	35.01	27.76		1490.5							
	08S	01400	04.33	35.00	27.77		1491.5							
	08S	01500	04.16	34.99	27.78		1492.4							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04439 AIP TEMP 24.1 OIP HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0105 MONTH 06 SHIP GU WET BULB 22.2 14 2 3 WIND-SPO 03 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 27 DATA USE 1 BAROMETR 1030.3 SEA WIND-FDP DURATION 00.6 2 SQUARE 46  
 LONG 047 56 W HCUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E42 105 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
11.9	UBS	00000	23.33	36.48	24.98		1532.5							
	UBS	00010	22.18	36.42	25.26		1529.7							
	UBS	00020	19.63	36.20	25.79		1522.9							
	UBS	00030	18.58	36.23	26.09		1520.1							
	UBS	00050	17.33	36.31	26.46		1516.9							
	UBS	00075	16.88	36.31	26.57		1516.0							
	UBS	00100	16.65	36.30	26.61		1515.7							
	UBS	00125	16.39	36.26	26.64		1515.3							
	UBS	00150	16.26	36.24	26.66		1515.3							
	UBS	00200	15.91	36.18	26.69		1515.0							
	UBS	00250	15.30	36.05	26.73		1513.7							
	UBS	00300	14.73	35.98	26.80		1512.7							
	UBS	00400	13.38	35.76	26.92		1509.6							
	UBS	00440	12.95	35.69	26.96		1508.8							
	UBS	00490	11.97	35.53	27.02		1506.1							
	UBS	00500	11.91	35.54	27.04		1506.0							
	UBS	00520	11.78	35.50	27.04		1505.9							
	UBS	00600	10.48	35.34	27.15		1502.4							
	UBS	00700	08.65	35.21	27.36		1497.2							
	UBS	00730	08.36	35.20	27.40		1496.6							
	UBS	00800	07.36	35.15	27.51		1493.8							
	UBS	00865	06.57	35.12	27.59		1491.8							
	UBS	00870	06.63	35.17	27.62		1492.2							
	UBS	00875	06.53	35.15	27.62		1491.8							
	UBS	00885	06.68	35.20	27.64		1492.6							
	UBS	00900	06.50	35.18	27.65		1492.2							
	UBS	00910	06.57	35.19	27.65		1492.6							
	UBS	00930	06.20	35.12	27.64		1491.4							
	UBS	00940	06.26	35.17	27.67		1491.8							
	UBS	00950	05.94	35.12	27.68		1490.7							
	UBS	00955	06.13	35.19	27.71		1491.6							
	UBS	00960	05.97	35.15	27.70		1491.0							
	UBS	01000	05.83	35.15	27.71		1491.1							
	UBS	01025	05.83	35.16	27.72		1491.5							
	UBS	01050	05.45	35.10	27.72		1490.3							
	UBS	01100	05.13	35.07	27.74		1489.8							
	UBS	01200	04.74	35.02	27.74		1489.8							
	UBS	01300	04.45	35.00	27.76		1490.3							
	UBS	01372	04.32	34.99	27.77		1490.9							
	UBS	01380	04.24	34.98	27.77		1490.7							
	UBS	01400	04.20	34.97	27.76		1490.9							
	UBS	01500	04.13	34.97	27.77		1492.3							

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TABLE XXI.—Continued

REFID 31 8177	YEAR 1970	BOTOP 02743	AIR TEMP 24.5	DIR HGT PER	WIND-DIR 17	INST STO RECORDER	TEN 50 1206
CDNSEC 0106	MONTH 06	SHIP DU	WET BULB 22.1	17 2 3	WIND-SPD 09	TRACE DIR 0	5 SQUARE 4
LAT 35 07 N	DAY 27	DATA USE 1	BAROMETR 1027.4	SEA	WIND-FSR	DURATION 00.4	2 SQUARE 46
LDNG 047 49 W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E42 106	1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SID3	PH
18.2	065	00000	24.00	36.38	24.71		1534.0							
	065	00010	22.78	36.42	25.09		1531.2							
	065	00020	20.88	36.37	25.59		1526.4							
	065	00030	20.08	36.24	25.70		1524.3							
	065	00050	17.98	36.35	26.33		1518.9							
	065	00075	16.96	36.32	26.55		1516.3							
	065	00100	16.61	36.30	26.62		1515.6							
	065	00125	16.50	36.29	26.64		1515.7							
	065	00150	16.33	36.27	26.66		1515.5							
	065	00200	15.83	36.16	26.70		1514.7							
	065	00250	15.22	36.07	26.76		1513.5							
	065	00300	14.80	36.00	26.80		1512.9							
	065	00361	14.18	35.87	26.84		1511.8							
	065	00400	13.50	35.81	26.94		1510.1							
	065	00441	13.07	35.76	26.98		1509.3							
	065	00500	11.97	35.59	27.07		1506.3							
	065	00535	11.55	35.52	27.10		1505.3							
	065	00540	11.33	35.48	27.11		1504.6							
	065	00570	11.08	35.48	27.15		1504.2							
	065	00600	10.36	35.35	27.18		1502.0							
	065	00623	09.67	35.31	27.27		1499.8							
	065	00668	09.23	35.31	27.34		1498.9							
	065	00700	08.49	35.18	27.36		1496.5							
	065	00730	07.98	35.20	27.45		1495.1							
	065	00744	08.00	35.25	27.49		1495.5							
	065	00780	07.19	35.16	27.54		1492.8							
	065	00800	07.16	35.18	27.56		1493.1							
	065	00818	06.91	35.17	27.59		1492.4							
	065	00870	06.82	35.17	27.60		1492.9							
	065	00900	06.32	35.16	27.66		1491.4							
	065	00932	06.10	35.16	27.69		1491.1							
	065	00960	05.61	35.08	27.69		1489.5							
	065	00981	05.72	35.11	27.70		1490.0							
	065	00980	05.67	35.11	27.70		1490.1							
	065	01000	05.45	35.08	27.71		1489.5							
	065	01055	05.36	35.09	27.72		1490.0							
	065	01068	05.17	35.07	27.73		1489.5							
	065	01091	05.34	35.10	27.74		1490.6							
	065	01100	05.13	35.06	27.73		1489.8							
	065	01120	04.84	35.03	27.74		1488.9							
	065	01200	04.66	35.02	27.75		1489.5							
	065	01300	04.32	34.98	27.76		1489.7							
	065	01400	04.29	34.99	27.77		1491.3							
	065	01450	04.21	34.98	27.77		1491.6							
	065	01500	04.33	35.01	27.78		1493.2							

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TABLE XXI.—Continued

REF ID	31 8177	YEAR	1970	BOTDP	04206	AIR TEMP	23.7	DIP	HGT	PER	WIND-DIR	15	INST	STD	RECORDER	TEN	SO	1206
ONSEC	0107	MONTH	05	SHIP	OU	KT BULK	21.4	16	?	?	WIND-SPD	09	TRACE	DIR	0	5	SQUARE	4
LAT	35 00 N	DAY	27	DATA	USE	PARADISE	1130.1	SEA			WIND-FOR		DURATION		00.4	2	SQUARE	48
LCNR	048 01 W	HOUR	23.6	AREA	05	CLUTTER		CLUTR			WEATHER	Y1	ORIG	F42 107		1	SQUARE	58

CAS	NUM	TIME	LVLTYP	DEPTH	TEMP	SAL	STEMPT	SYNOPTH	END	VEL	JXYG	PL4	TOT P	NO2	NO3	SIC3	PH
23.6	085	00000			23.97	36.43	27.75			1524.0							
	085	00010			22.93	36.34	27.75			1531.5							
	085	00020			21.93	36.26	27.75			1527.7							
	085	00030			19.53	36.27	27.76			1521.8							
	085	00040			17.68	36.29	27.76			1517.9							
	085	00050			16.60	36.27	27.76			1515.1							
	085	00075			16.44	36.27	27.76			1515.0							
	085	00100			16.33	36.26	27.76			1515.1							
	085	00125			16.25	36.25	27.76			1515.3							
	085	00150			15.78	36.16	27.71			1514.5							
	085	00200			15.26	36.08	27.76			1513.6							
	085	00250			14.78	36.00	27.81			1512.4							
	085	00300			13.53	35.77	27.90			1510.1							
	085	00350			11.96	35.53	27.03			1506.2							
	085	00359			10.90	35.39	27.12			1503.3							
	085	00393			10.56	35.37	27.16			1502.6							
	085	00600			10.28	35.31	27.16			1501.6							
	085	00650			09.23	35.19	27.25			1498.5							
	085	00680			08.98	35.22	27.31			1498.1							
	085	00700			08.91	35.20	27.37			1496.6							
	085	00740			07.93	35.15	27.42			1495.0							
	085	00762			07.64	35.16	27.44			1495.1							
	085	00770			07.92	35.26	27.51			1495.6							
	085	00800			07.57	35.19	27.51			1494.7							
	085	00808			07.18	35.11	27.50			1493.2							
	085	00830			06.87	35.12	27.55			1492.4							
	085	00840			06.87	35.13	27.56			1492.5							
	085	00900			06.43	35.15	27.64			1491.8							
	085	00920			06.37	35.17	27.66			1492.0							
	085	00935			06.06	35.11	27.65			1490.9							
	085	00963			05.98	35.14	27.65			1491.1							
	085	00983			05.73	35.09	27.68			1490.3							
	085	01000			05.77	35.13	27.71			1490.8							
	085	01020			05.65	35.13	27.74			1490.7							
	085	01039			05.76	35.18	27.75			1491.5							
	085	01050			05.56	35.15	27.75			1490.8							
	085	01055			05.39	35.11	27.74			1490.1							
	085	01060			05.45	35.12	27.74			1490.5							
	085	01100			04.93	35.05	27.74			1489.0							
	085	01119			04.83	35.04	27.75			1489.9							
	085	01130			04.95	35.06	27.75			1489.6							
	085	01170			04.73	35.03	27.75			1489.3							
	085	01200			04.74	35.04	27.76			1489.9							
	085	01300			04.48	35.02	27.77			1490.4							
	085	01400			04.22	34.99	27.78			1491.0							
	085	01500			04.05	34.99	27.79			1492.0							

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TABLE XXI.—Continued

REFID 31 8177 YEAR 1970 BOTOP 04481 AIR TEMP 23.0 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0108 MONTH 06 SHIP GU WET BULB 20.6 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 28 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 00.8 2 SQUARE 48  
 LONG 048 11 W HOUR 06.2 AREA 05 CLOUD T/4 CL/TR WEATHER X1 ORIG E42 108 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
06.2	08S	00000	23.33	36.43	24.94		1532.4							
	08S	00010	23.22	36.41	24.56		1532.3							
	08S	00020	21.02	36.06	25.31		1526.4							
	08S	00030	18.72	36.18	26.01		1520.5							
	08S	00050	16.97	36.28	26.52		1515.8							
	08S	00075	16.67	36.33	26.63		1515.4							
	08S	00100	16.44	36.28	26.65		1515.1							
	08S	00125	16.30	36.27	26.67		1515.0							
	08S	00150	16.04	36.22	26.69		1514.6							
	08S	00200	15.49	36.12	26.74		1513.6							
	08S	00250	14.94	36.02	26.79		1512.6							
	08S	00300	14.37	35.94	26.85		1511.5							
	08S	00400	13.37	35.79	26.95		1509.6							
	08S	00440	13.02	35.73	26.97		1509.1							
	08S	00500	11.98	35.54	27.03		1506.3							
	08S	00600	10.26	35.34	27.19		1501.6							
	08S	00640	09.44	35.24	27.25		1499.2							
	08S	00655	09.54	35.29	27.28		1499.8							
	08S	00700	08.46	35.18	27.36		1496.4							
	08S	00705	08.31	35.19	27.40		1455.9							
	08S	00755	08.21	35.24	27.45		1496.5							
	08S	00785	07.49	35.17	27.50		1494.1							
	08S	00800	07.58	35.22	27.53		1494.8							
	08S	00870	06.65	35.15	27.61		1492.2							
	08S	00900	05.92	35.09	27.65		1489.7							
	08S	00905	06.00	35.10	27.65		1490.1							
	08S	00910	05.93	35.09	27.65		1485.9							
	08S	00930	06.10	35.15	27.68		1491.0							
	08S	00950	05.94	35.14	27.65		1490.7							
	08S	00970	05.92	35.15	27.70		1491.0							
	08S	00980	05.82	35.13	27.70		1490.7							
	08S	01000	05.76	35.14	27.71		1490.8							
	08S	01055	05.38	35.09	27.72		1490.1							
	08S	01100	05.38	35.12	27.75		1490.9							
	08S	01120	05.51	35.16	27.76		1491.8							
	08S	01130	05.35	35.13	27.76		1491.3							
	08S	01145	05.55	35.18	27.77		1492.4							
	08S	01200	05.25	35.14	27.78		1492.1							
	08S	01220	05.02	35.10	27.77		1491.4							
	08S	01300	04.77	35.07	27.78		1491.7							
	08S	01400	04.50	35.05	27.79		1492.2							
	08S	01480	04.29	35.03	27.80		1492.7							
	08S	01500	04.37	35.05	27.81		1493.4							

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REFID 31 8177 YEAR 1970 BOTOP 03658 AIR TEMP 23.9 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0109 MONTH 06 SHIP GU WET BULB 21.0 13 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 28 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 45 W HOUR 12.0 AREA 05 CLOUD T/4 CL/TR WEATHER X1 ORIG E42 109 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
12.0	08S	00000	23.32	36.46	24.97		1532.4							
	08S	00010	22.67	36.43	25.13		1530.9							
	08S	00020	20.84	36.34	25.58		1526.3							
	08S	00030	19.57	36.26	25.85		1522.9							
	08S	00050	17.57	36.33	26.41		1517.7							
	08S	00075	16.72	36.31	26.60		1515.5							
	08S	00100	16.52	36.30	26.64		1515.3							
	08S	00125	16.35	36.28	26.67		1515.2							
	08S	00150	16.25	36.27	26.68		1515.3							
	08S	00200	15.69	36.17	26.74		1514.3							
	08S	00250	15.15	36.07	26.78		1513.3							
	08S	00300	14.67	35.98	26.82		1512.5							
	08S	00400	13.52	35.79	26.92		1510.1							
	08S	00500	11.93	35.54	27.04		1506.1							
	08S	00600	10.32	35.36	27.20		1501.9							
	08S	00608	10.12	35.35	27.22		1501.3							
	08S	00615	10.17	35.38	27.24		1501.6							
	08S	00640	09.27	35.26	27.30		1498.6							
	08S	00695	08.80	35.23	27.35		1497.7							
	08S	00700	08.85	35.29	27.39		1498.0							
	08S	00710	09.00	35.33	27.40		1498.8							
	08S	00760	08.21	35.20	27.42		1496.5							
	08S	00770	08.44	35.32	27.48		1497.7							
	08S	00800	08.12	35.28	27.50		1496.9							
	08S	00900	07.02	35.23	27.62		1494.3							
	08S	01000	06.08	35.16	27.69		1492.1							
	08S	01100	05.39	35.10	27.73		1490.9							
	08S	01140	05.21	35.08	27.73		1490.8							
	08S	01200	04.98	35.09	27.77		1490.9							
	08S	01260	04.96	35.09	27.77		1491.8							
	08S	01300	04.76	35.06	27.77		1491.6							
	08S	01360	04.56	35.05	27.79		1491.8							
	08S	01400	04.51	35.04	27.78		1492.3							
	08S	01500	04.27	35.02	27.79		1492.9							

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TABLE XXII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station ECHO, 30 June 1970 - 22 July 1970, prepared from NODC listing No. 31 - 1655.

REFID 31 1655	YEAR 1970	BOTOP 04352	AIR TEMP 24.0	DIR HGT PER	WIND-DIR 13	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 06	SHIP 00	WET BULB 20.5	13 2 2	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 30	DATA USE 1	BAROMETR 1031.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 13.4	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	GRIG E43 001	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
13.4	085	00000	23.58	36.512	24.93		1533.1							
13.4	085	00023	21.28	36.470	25.55		1527.6							
13.4	085	00048	17.62	36.353	26.42		1517.8							
13.4	085	00072	16.80	36.307	26.58		1515.7							
13.4	085	00096	16.59	36.307	26.63		1515.5							
13.4	085	00144	16.25	36.260	26.68		1515.2							
13.4	085	00192	15.83	36.190	26.72		1514.6							
13.4	085	00289		36.003										
13.4	085	00384	13.99	35.872	26.88		1511.5							
13.4	085	T00481	12.64	35.659	26.95		1508.4							
13.4	085	T00578	10.64	35.368	27.15		1502.7							
13.4	085	00773		35.180										
13.4	085	00969	06.25	35.172	27.68		1492.3							
13.4	085	T01468	04.19											

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REFID 31 1655	YEAR 1970	BOTOP 04535	AIR TEMP 25.3	DIR HGT PER	WIND-DIR 12	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP 00	WET BULB 21.0	12 2 2	WIND-SPD 04	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 01	DATA USE 1	BAROMETR 1029.5	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 13.0	AREA 05	CLOUD T/A 3/3	CL/TR	WEATHER X1	GRIG E43 002	1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	23.61	36.473	24.85		1533.2							
13.0	085	00025	21.08	36.436	25.58		1527.1							
13.0	085	00051	17.32	36.313	26.46		1516.9							
13.0	085	00076	16.70	36.281	26.55		1515.4							
13.0	085	00102	16.45	36.274	26.64		1515.1							
13.0	085	00152	16.24	36.255	26.67		1515.3							
13.0	085	00203		36.204										
13.0	085	00305	14.85	36.012	26.80		1513.2							
13.0	085	T00406	13.88	35.866	26.90		1511.5							
13.0	085	00508	12.59	35.648	26.95		1508.6							
13.0	085	T00609	10.34	35.336	27.17		1502.0							
13.0	085	00812	06.85	35.100	27.54		1492.0							
13.0	085	10105	05.45	35.092	27.72		1489.7							
13.0	085	T01523	04.15	34.996	27.79		1492.8							

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REFID 31 1655	YEAR 1970	BOTOP 03200	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP 00	WET BULB 21.0	18 2 2	WIND-SPD 10	TRACE DIR	5 SQUARE 2
LAT 34 58 N	DAY 02	DATA USE 1	BAROMETR 1027.8	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 02 W	HOUR 12.9	AREA 05	CLOUD T/A 9/4	CL/TR	WEATHER X1	GRIG E43 003	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	23.87	36.473	24.81		1533.8							
12.9	085	00024	21.53	36.402	25.43		1528.2							
12.9	085	00049	17.90	36.300	26.31		1518.6							
12.9	085	00072	17.09	36.337	26.54		1516.0							
12.9	085	00097	16.73	36.331	26.62		1515.9							
12.9	085	00145	16.37	36.286	26.67		1515.6							
12.9	085	T00193	16.02	36.218	26.70		1515.2							
12.9	085	00290	14.93	36.039	26.81		1513.2							
12.9	085	T00385	13.79	35.849	26.90		1510.9							
12.9	085	00482	12.58	35.653	27.00		1508.2							
12.9	085	T00577	10.73	35.366	27.14		1503.0							
12.9	085	00773	08.02	35.227	27.47		1496.0							
12.9	085	00971	05.84	35.126	27.69		1490.6							
12.9	085	T01471	04.07	34.985	27.79		1491.5							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTOP 04663 AIR TEMP 24.5 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 07 SHIP DU WET DUBL 20.5 DIR 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 03 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E43 004 1 SQUARE 57

CASNUM/TIME	LC/TYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJA	TOT P	NO2	NO3	SIO3	PH
12.1	05	00000	23.95	36.448	24.77		1534.0							
12.1	05	00024	20.93	36.382	25.58		1526.8							
12.1	05	00046	17.97	36.360	26.34		1516.6							
12.1	05	00070	17.13	36.351	26.54		1516.7							
12.1	05	00092	16.84	36.343	26.60		1516.2							
12.1	05	00119	16.51	36.298	26.64		1495.9							
12.1	05	00165		36.267										
12.1	05	00277	15.34	36.121	26.77		1514.5							
12.1	05	100370	14.28	35.927	26.86		1512.3							
12.1	05	00465	13.13	35.735	26.95		1507.6							
12.1	05	100561	11.13	35.425	27.10		1504.2							
12.1	05	00754	08.31	35.254	27.45		1496.6							
12.1	05	100951	65.90	35.110	27.67		1490.5							
12.1	05	101466	04.18	34.997	27.75		1491.9							

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REFID 31 1655 YEAR 1970 BOTOP 04666 AIR TEMP 23.4 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 07 SHIP DU WET DUBL 21.4 DIR 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 35 51 N DAY 04 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 047 46 W HOUR 11.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 DRIG E43 005 1 SQUARE 47

CASNUM/TIME	LC/TYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJA	TOT P	NO2	NO3	SIO3	PH
11.9	05	00000	24.21	36.529	24.75		1534.7							
11.9	05	00022	21.94	36.456	25.36		1529.3							
11.9	05	00044	17.77	36.418	26.43		1518.2							
11.9	05	00066	17.17	36.396	26.56		1516.8							
11.9	05	00088	17.07	36.393	26.58		1516.9							
11.9	05	00132	16.94	36.389	26.61		1517.2							
11.9	05	00175		36.350										
11.9	05	00259	15.55	36.136	26.74		1514.8							
11.9	05	100343	14.50	35.993	26.86		1512.6							
11.9	05	00428	14.35	35.997	26.85		1513.7							
11.9	05	100514	13.60	35.867	26.93		1512.3							
11.9	05	00686	09.36	35.227	27.26		1499.6							
11.9	05	100864	06.62	35.074	27.55		1491.9							
11.9	05	101346	04.63	35.049	27.78		1491.9							

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REFID 31 1655 YEAR 1970 BOTOP 04680 AIR TEMP 24.6 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 07 SHIP DU WET DUBL 22.8 DIR 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 13.5 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 DRIG E43 006 1 SQUARE 58

CASNUM/TIME	LC/TYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJA	TOT P	NO2	NO3	SIO3	PH
13.5	05	00000	23.58	36.541	24.83		1534.1							
13.5	05	00025	21.47	36.433	25.47		1528.1							
13.5	05	00048	18.96	36.387	26.11		1521.7							
13.5	05	00072	18.06	36.381	26.33		1519.6							
13.5	05	00096	17.42	36.389	26.50		1518.0							
13.5	05	00144	16.69	36.318	26.62		1516.6							
13.5	05	100191	16.32	36.266	26.67		1516.2							
13.5	05	00286	15.35	36.080	26.74		1514.5							
13.5	05	100381	14.36	35.933	26.85		1512.7							
13.5	05	00476	12.79	35.662	26.97		1508.8							
13.5	05	100571	11.07	35.440	27.12		1504.2							
13.5	05	00766	07.81	35.193	27.47		1495.0							
13.5	05	100974	05.99	35.128	27.68		1491.3							
13.5	05	101558	04.41	35.054	27.81		1494.5							

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REFID 31 1655 YEAR 1970 BOTOP 04023 AIR TEMP 24.0 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 07 SHIP DU WET DUBL 22.7 DIR 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1021.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 14.6 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 DRIG E43 007 1 SQUARE 59

CASNUM/TIME	LC/TYPE	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJA	TOT P	NO2	NO3	SIO3	PH
14.6	05	00000	24.05	36.534	24.81		1534.3							
14.6	05	00026	20.77	36.441	25.67		1526.3							
14.6	05	00050	17.76	36.400	26.44		1518.3							
14.6	05	00076	17.14	36.386	26.56		1515.9							
14.6	05	00101	16.57	36.357	26.61		1516.6							
14.6	05	00152	16.77	36.366	26.63		1517.0							
14.6	05	00207	16.56	36.336	26.68		1517.2							
14.6	05	00103	15.81	36.189	26.72		1516.3							
14.6	05	100404	14.04	35.864	26.86		1514.0							
14.6	05	00506	14.04	35.764	27.04		1506.6							
14.6	05	100607	12.06	35.505	27.20		1501.0							
14.6	05	00810	75.41	35.184	27.52		1494.4							
14.6	05	101119	65.58	35.095	27.70		1490.3							
14.6	05	101551	44.41	35.062	27.81		1494.4							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTOP 04616 AIR TEMP 24.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 07 SHIP DU WET BULB 23.5 29 2 2 WIND-SPO 08 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BARMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	24.24	36.509	24.73		1534.7							
12.3	085	00025	21.32	36.430	25.51		1527.7							
12.3	085	00051	18.88	36.402	26.14		1521.5							
12.3	085	00076	17.50	36.400	26.48		1518.0							
12.3	085	00102	17.10	36.376	26.56		1517.2							
12.3	085	00152	16.77	36.345	26.62		1517.0							
12.3	085	T00203	16.60	36.318	26.64		1517.3							
12.3	085	00306	15.59	36.145	26.74		1515.7							
12.3	085	T00407	14.01	35.846	26.86		1511.9							
12.3	085	00509	12.32	35.584	27.00		1507.7							
12.3	085	T00611	10.10	35.308	27.15		1501.2							
12.3	085	00817	07.38	35.171	27.52		1494.2							
12.3	085	T01022	05.75	35.121	27.70		1491.1							
12.3	085	T01537	04.42	35.050	27.80		1484.2							
15.2	085	T02009	03.83	35.008	27.83		1459.7							
15.2	085	02514	03.31	34.970	27.85		1506.0							
15.2	085	T03016	02.84	34.937	27.87		1512.7							
15.2	085	03519	02.49	34.910	27.88		1519.9							
15.2	085	04021	02.28	34.893	27.88		1527.8							
15.2	085	T04444	02.21	34.876	27.88		1535.0							

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REFID 31 1655 YEAR 1970 BOTOP 04114 AIR TEMP 25.0 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 07 SHIP DU WET BULB 23.0 30 3 3 WIND-SPO 06 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 08 DATA USE 1 BARMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 047 58 W HOUR 12.7 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E43 009 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.7	085	00000	24.90	36.555	24.57		1536.3							
12.7	085	00025	22.04	36.497	25.36		1529.7							
12.7	085	00051	18.72	36.427	26.20		1521.1							
12.7	085	00076	17.60	36.416	26.47		1518.3							
12.7	085	00103	17.15	36.357	26.57		1517.4							
12.7	085	00153	16.94	36.380	26.60		1517.5							
12.7	085	T00204	16.68	36.326	26.63		1517.5							
12.7	085	00307	15.74	36.164	26.72		1516.2							
12.7	085	T00408	14.40	35.920	26.83		1513.3							
12.7	085	00511	12.53	35.617	26.98		1508.4							
12.7	085	T00612	10.37	35.335	27.17		1502.2							
12.7	085	00817	07.49	35.176	27.51		1494.6							
12.7	085	T01021	05.77	35.101	27.68		1491.1							
12.7	085	T01532	04.12	34.984	27.78		1452.8							

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REFID 31 1655 YEAR 1970 BOTOP 04389 AIR TEMP 26.5 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 07 SHIP DU WET BULB 24.1 31 2 2 WIND-SPO 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 09 DATA USE 1 BARMETR 1024.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 046 02 W HOUR 12.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	25.37	36.574	24.44		1537.4							
12.9	085	00025	21.49	36.450	25.48		1528.2							
12.9	085	00051	18.18	36.406	26.32		1519.5							
12.9	085	00077	17.29	36.399	26.53		1517.4							
12.9	085	00103	17.06	36.380	26.58		1517.1							
12.9	085	00153	16.95	36.391	26.61		1517.6							
12.9	085	T00204	16.74	36.336	26.62		1517.7							
12.9	085	00307	15.72	36.146	26.71		1516.1							
12.9	085	T00408	14.08	35.854	26.85		1512.2							
12.9	085	00511	12.61	35.628	26.98		1508.7							
12.9	085	T00612	10.48	35.341	27.15		1502.6							
12.9	085	00817	07.57	35.156	27.48		1494.9							
12.9	085	T01020	05.70	35.092	27.68		1490.8							
12.9	085	T01531	04.50	35.054	27.80		1494.4							

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TABLE XXII.—Continued

REFID	31	1655	YEAR	1970	BOTOP	04206	AIR TEMP	25.2	DIR HGT PER	WIND-DIR	00	INST NANSEN CAST	TEN SQ	1206	
CONSEC	0011	MONTH	07	SHIP DU	NET BULB	20.6	00	U	X	WIND-SPD	00	TRACE DIR	5	SQUARE	4
LAT	35 03 N	DAY	10	DATA USE	1	BAROMETR	1025.7	SEA		WIND-FUR		DURATION	2	SQUARE	48
LONG	048 00 W	HOUR	12.4	AREA	05	CLOUD T/A	0/4	CL/TR		WEATHER	X1	ORIG E43 011	1	SQUARE	58
CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SIO3	PH	
12.4	OBS	00000	25.17	36.554	24.48		1537.0								
12.4	OBS	00025	20.72	36.472	25.71		1526.2								
12.4	OBS	00050	18.12	36.410	26.34		1514.3								
12.4	OBS	00075	17.25	36.399	26.54		1517.2								
12.4	OBS	00100	17.09	36.397	26.58		1517.1								
12.4	OBS	00150	16.96	36.358	26.61		1517.6								
12.4	OBS	T00201	16.74	36.357	26.63		1517.7								
12.4	OBS	00301	15.57	36.129	26.73		1515.5								
12.4	OBS	T00402	14.25	35.895	26.84		1512.7								
12.4	OBS	00502	12.65	35.692	26.98		1508.7								
12.4	OBS	T00603	10.68	35.385	27.15		1503.2								
12.4	OBS	00805	07.69	35.205	27.50		1495.3								
12.4	OBS	T01009	05.81	35.106	27.68		1491.1								
12.4	OBS	T015.1	04.15	34.990	27.78		1492.7								
*****															
REFID	31	1655	YEAR	1970	BOTOP	03931	AIR TEMP	25.0	DIR HGT PER	WIND-DIR	21	INST NANSEN CAST	TEN SQ	1206	
CONSEC	0012	MONTH	07	SHIP DU	NET BULB	21.5	49	1	X	WIND-SPD	07	TRACE DIR	5	SQUARE	4
LAT	35 04 N	DAY	11	DATA USE	1	BAROMETR	1023.6	SEA		WIND-FUR		DURATION	2	SQUARE	48
LONG	048 01 W	HOUR	12.9	AREA	05	CLOUD T/A	8/5	CL/TR		WEATHER	X1	ORIG E43 012	1	SQUARE	58
CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SIO3	PH	
12.9	OBS	00000	24.97	36.538	24.53		1536.5								
12.9	OBS	00025	20.14	36.402	25.81		1524.6								
12.9	OBS	00051	18.22	36.386	26.30		1519.6								
12.9	OBS	00077	17.44	36.379	26.48		1517.8								
12.9	OBS	00103	17.01	36.356	26.57		1516.9								
12.9	OBS	00153	16.70	36.337	26.63		1516.8								
12.9	OBS	T00205	16.40	36.285	26.66		1516.7								
12.9	OBS	00307	15.33	36.082	26.75		1514.8								
12.9	OBS	T00409	13.88	35.831	26.87		1511.5								
12.9	OBS	00512	12.48	35.618	26.99		1508.3								
12.9	OBS	T00613	10.56	35.378	27.17		1503.0								
12.9	OBS	00818	07.53	35.170	27.50		1494.8								
12.9	OBS	T01024	05.73	35.115	27.70		1491.1								
12.9	OBS	T01541	04.44	35.053	27.80		1494.4								
*****															
REFID	31	1655	YEAR	1970	BOTOP	03840	AIR TEMP	26.0	DIR HGT PER	WIND-DIR	14	INST NANSEN CAST	TEN SQ	1206	
CONSEC	0013	MONTH	07	SHIP DU	NET BULB	22.0	14	0	2	WIND-SPD	10	TRACE DIR	5	SQUARE	4
LAT	35 00 N	DAY	12	DATA USE	1	BAROMETR	1022.7	SEA		WIND-FUR		DURATION	2	SQUARE	46
LONG	047 58 W	HOUR	12.6	AREA	05	CLOUD T/A	8/3	CL/TR		WEATHER	X1	ORIG E43 013	1	SQUARE	57
CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SIO3	PH	
12.6	OBS	00000	24.95	36.480	24.45		1536.4								
12.6	OBS	00025	21.05	36.421	25.58		1527.0								
12.6	OBS	00050	18.23	36.392	26.30		1519.6								
12.6	OBS	00075	17.32	36.376	26.51		1517.4								
12.6	OBS	00100	16.99	36.395	26.60		1516.8								
12.6	OBS	00150	16.56	36.317	26.65		1516.3								
12.6	OBS	T00200	16.40	36.294	26.67		1516.6								
12.6	OBS	00300	15.49	36.132	26.75		1515.2								
12.6	OBS	T00400	14.31	35.923	26.85		1512.9								
12.6	OBS	00500	12.80	35.694	26.99		1509.3								
12.6	OBS	T00600	11.08	35.430	27.11		1504.7								
*****															
REFID	31	1655	YEAR	1970	BOTOP	04389	AIR TEMP	28.2	DIR HGT PER	WIND-DIR	19	INST NANSEN CAST	TEN SQ	1206	
CONSEC	0014	MONTH	07	SHIP DU	NET BULB	23.1	19	2	2	WIND-SPD	15	TRACE DIR	5	SQUARE	4
LAT	35 03 N	DAY	13	DATA USE	1	BAROMETR	1022.8	SEA		WIND-FUR		DURATION	2	SQUARE	48
LONG	048 01 W	HOUR	16.3	AREA	05	CLOUD T/A	8/2	CL/TR		WEATHER	X1	ORIG E43 014	1	SQUARE	58
CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SIO3	PH	
16.3	OBS	00000	25.49	36.538	24.37		1537.7								
16.3	OBS	00022	20.85	36.506	25.70		1526.5								
16.3	OBS	00044	18.46	36.424	26.26		1520.2								
16.3	OBS	00066	17.50	36.420	26.50		1517.8								
16.3	OBS	00087	17.17	36.409	26.57		1517.2								
16.3	OBS	00130	17.02	36.410	26.61		1517.4								
16.3	OBS	T00173	16.83	36.380	26.63		1517.5								
16.3	OBS	00255	16.43	36.303	26.67		1517.6								
16.3	OBS	T00335	15.52	36.130	26.74		1515.9								
16.3	OBS	00414	14.26	35.903	26.85		1512.9								
16.3	OBS	T00492	13.36	35.776	26.94		1511.1								
16.3	OBS	00651	10.49	35.380	27.18		1503.3								
16.3	OBS	T00815	07.59	35.153	27.48		1495.0								
16.3	OBS	T01252	04.99	35.089	27.76		1491.8								
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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTOP 04389 AIR TEMP 25.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 07 SHIP 00 WET BULB 20.0 35 3 2 WIND-SPO 18 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 15 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 13.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER XI ORIG E43 015 1 SQUARE 58

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.2	085	00000	25.22	36.515	24.44		1537.0							
13.2	085	00026	21.41	36.473	25.52		1526.0							
13.2	085	00052	18.27	36.381	26.28		1519.8							
13.2	085	00079	17.42	36.399	26.50		1517.8							
13.2	085	00105	17.08	36.383	26.57		1517.2							
13.2	085	00159	16.93	36.377	26.60		1517.6							
13.2	085	T00212	16.84	36.367	26.62		1518.2							
13.2	085	00319	16.22	36.252	26.68		1517.9							
13.2	085	T00426	14.82	35.980	26.78		1515.0							
13.2	085	00535	13.00	35.695	26.95		1510.5							
13.2	085	T00644	10.94	35.408	27.12		1504.9							
13.2	085	00662	07.25	35.150	27.52		1494.4							
13.2	085	T01078	05.68	35.101	27.65		1491.7							
13.2	085	T01628	04.17	35.011	27.80		1494.6							

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REFID 31 1655 YEAR 1970 BOTOP 03200 AIR TEMP 22.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 07 SHIP 00 WET BULB 17.0 35 6 3 WIND-SPO 18 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 13.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER XI ORIG E43 016 1 SQUARE 58

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.1	085	00000	24.43	36.470	24.64		1535.1							
13.1	085	00025	20.56	36.484	25.76		1525.8							
13.1	085	00049	17.82	36.444	26.44		1516.5							
13.1	085	00074	17.32	36.437	26.56		1517.4							
13.1	085	00098	17.19	36.420	26.56		1517.4							
13.1	085	00148	17.10	36.408	26.59		1516.0							
13.1	085	T00198	17.00	36.388	26.60		1518.5							
13.1	085	00299	16.31	36.254	26.66		1517.4							
13.1	085	T00402	14.87	35.990	26.76		1514.8							
13.1	085	00507	13.34	35.750	26.92		1511.3							
13.1	085	00612	11.61	35.506	27.07		1506.6							
13.1	085	00826	07.49	35.178	27.51		1494.6							
13.1	085	T01042	06.09	35.126	27.66		1492.6							
13.1	085	T01588	04.14	34.994	27.75		1493.8							

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REFID 31 1655 YEAR 1970 BOTOP 02606 AIR TEMP 22.3 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 07 SHIP 00 WET BULB 18.5 02 2 2 WIND-SPO 12 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 17 DATA USE 1 BAROMETR 1025.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 13.3 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER XI ORIG E43 017 1 SQUARE 58

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.3	085	00000	24.50	36.481	24.63		1535.3							
13.3	085	00023	21.32	36.510	25.57		1527.8							
13.3	085	00045	18.27	36.422	26.31		1519.7							
13.3	085	00068	17.41	36.409	26.51		1517.6							
13.3	085	00091	17.21	36.411	26.56		1517.4							
13.3	085	00137	17.12	36.414	26.59		1517.9							
13.3	085	T00183	17.09	36.400	26.58		1518.5							
13.3	085	00273	16.78	36.343	26.61		1519.0							
13.3	085	T00366	15.82	36.161	26.70		1517.4							
13.3	085	00461	14.54	35.932	26.81		1514.6							
13.3	085	T00556	13.00	35.690	26.94		1510.9							
13.3	085	00750	08.63	35.153	27.32		1497.8							
13.3	085	T00951	06.38	35.136	27.63		1492.5							
13.3	085	T01485	04.28	35.003	27.78		1492.7							

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REFID 31 1655 YEAR 1970 BOTOP 04480 AIR TEMP 24.5 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 07 SHIP 00 WET BULB 20.0 09 3 2 WIND-SPO 18 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 18 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 13.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER XI ORIG E43 018 1 SQUARE 58

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
13.9	085	00000	24.59	36.490	24.61		1535.5							
13.9	085	00024	23.52	36.494	24.43		1533.4							
13.9	085	00047	18.65	36.398	26.20		1520.8							
13.9	085	00070	17.71	36.428	26.45		1518.5							
13.9	085	00093	17.19	36.400	26.56		1517.3							
13.9	085	00140	16.95	36.384	26.61		1517.4							
13.9	085	T00187	16.80	36.349	26.61		1517.6							
13.9	085	00279	15.96	36.190	26.65		1516.4							
13.9	085	T00371	15.00	36.020	26.78		1514.7							
13.9	085	00464	13.78	35.817	26.88		1512.1							
13.9	085	T00556	12.47	35.616	26.99		1509.0							
13.9	085	00744	08.56	35.155	27.33		1497.5							
13.9	085	T00935	06.22	35.063	27.59		1491.5							
13.9	085	T01445	04.58	35.057	27.79		1493.3							

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TABLE XXII.—Continued

REFID 31 1655 YEAR 1970 BOTOP 03200 AIR TEMP 24.9 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 07 SHIP DU WET BULB 22.3 14 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 19 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 13.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E43 C19 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIG3	PH
13.5	085	00000	23.45	36.062	24.62		1532.4							
13.5	085	00022	21.30	36.209	23.35		1527.4							
13.5	085	00044	18.74	36.357	26.14		1521.0							
13.5	085	00066	18.10	36.448	26.37		1519.6							
13.5	085	00087	17.76	36.470	26.47		1519.0							
13.5	085	00131	17.36	36.436	26.55		1518.5							
13.5	085	T00174	17.11	36.400	26.58		1518.4							
13.5	085	00259	17.08	36.421	26.60		1519.4							
13.5	085	T00342	16.60	36.324	26.63		1519.7							
13.5	085	00426	15.94	36.206	26.71		1519.7							
13.5	085	T00510	14.61	35.937	26.80		1515.7							
13.5	085	00678	11.75	35.509	27.05		1508.4							
13.5	085	T00848	08.13	35.158	27.40		1497.6							
13.5	085	T01312	04.97	35.077	27.76		1492.7							

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REFID 31 1655 YEAR 1970 BOTOP 04663 AIR TEMP 26.0 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 07 SHIP DU WET BULB 23.3 29 0 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 00.5N DAY 20 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 14.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E43 020 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIG3	PH
14.3	085	00000	24.05	36.063	24.45		1533.8							
14.3	085	00024	22.92	36.124	24.83		1531.5							
14.3	085	00048	19.16	36.206	25.92		1522.0							
14.3	085	00072	18.06	36.359	26.31		1519.5							
14.3	085	00097	17.55	36.412	26.48		1518.5							
14.3	085	00144	17.21	36.416	26.57		1518.2							
14.3	085	T00193	17.12	36.416	26.59		1518.4							
14.3	085	00290	16.68	36.333	26.63		1519.0							
14.3	085	T00387	15.86	36.189	26.71		1517.9							
14.3	085	00485	14.62	35.961	26.81		1515.3							
14.3	085	T00582	12.80	35.655	26.96		1510.6							
14.3	085	00779	08.59	35.184	27.35		1496.2							

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REFID 31 1655 YEAR 1970 BOTOP 01920 AIR TEMP 25.5 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0021 MONTH 07 SHIP DU WET BULB 23.5 35 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 13.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E43 021 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIG3	PH
13.9	085	00000	24.32	36.154	24.44		1534.5							
13.9	085	00024	22.11	36.258	25.16		1529.8							
13.9	085	00047	19.36	36.447	26.05		1522.8							
13.9	085	00070	18.03	36.387	26.34		1519.4							
13.9	085	00092	17.64	36.424	26.47		1518.7							
13.9	085	00139	17.22	36.416	26.56		1518.2							
13.9	085	T00186	17.15	36.421	26.59		1518.8							
13.9	085	00283	16.89	36.377	26.61		1519.5							
13.9	085	T00383	16.26	36.305	26.71		1519.2							
13.9	085	00487	15.04	36.036	26.78		1516.8							
13.9	085	T00592	13.35	35.727	26.90		1512.7							
13.9	085	00809	08.63	35.150	27.31		1498.8							
13.9	085	T01027	06.46	35.177	27.65		1494.2							
13.9	085	T01574	04.28	35.023	27.80		1494.2							

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REFID 31 1655 YEAR 1970 BOTOP 04663 AIR TEMP 24.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0022 MONTH 07 SHIP DU WET BULB 19.4 03 0 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 22 DATA USE 1 BAROMETR 1025.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 35 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E43 022 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIG3	PH
12.3	085	00000	24.40	36.253	24.45		1534.6							
12.3	085	00025	22.11	36.453	25.31		1529.8							
12.3	085	00050	19.32	36.418	26.04		1522.7							
12.3	085	00075	17.83	36.413	26.41		1518.9							
12.3	085	00100	17.27	36.380	26.52		1517.7							
12.3	085	00150	16.56	36.376	26.60		1517.5							
12.3	085	T00200	16.83	36.357	26.61		1513.0							
12.3	085	00300	16.36	36.279	26.66		1514.2							
12.3	085	T00399	15.05	36.020	26.76		1515.3							
12.3	085	00499	13.68	35.789	26.88		1512.3							
12.3	085	T00598	12.16	35.558	27.01		1508.5							
12.3	085	00799	08.50	35.192	27.37		1498.2							
12.3	085	01000	06.10	35.082	27.63		1492.1							
12.3	085	T01504	04.44	35.024	27.78		1493.7							

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TABLE XXIII.—Observed and interpolated oceanographic data for stations taken by USCGC ABSECON at Ocean Station ECHO, 22 July 1970 - 14 August 1970, prepared from NODC listing No. 31 - 1682.

REFID 31 1682 YEAR 1970 BOTOP 05212 AIR TEMP 26.0 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 07 SHIP AZ WET BULB 22.0 21 3 3 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 26 DATA USE 1 BAROMETR 1021.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 18.1 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER XI ORIG E44 001 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.1	OBS	00000	24.26	36.195	24.49		1534.4							
18.1	OBS	00023	20.59	36.308	25.62		1525.6							
18.1	OBS	00046	18.29	36.345	26.25		1519.7							
18.1	OBS	00072	17.75	36.505	26.50		1518.7							
18.1	OBS	00097	17.62	36.463	26.50		1518.7							
18.1	OBS	00144	17.48	36.516	26.58		1519.2							
18.1	OBS	00269	17.08	36.445	26.62		1520.3							
18.1	OBS	00385	16.62	36.337	26.65		1520.3							
18.1	OBS	00482	14.19	35.886	26.85		1513.6							
18.1	OBS	00579		35.588										
18.1	OBS	00773	07.84	35.105	27.40		1495.2							
18.1	OBS	T00967	06.30	35.159	27.66		1492.4							
18.1	OBS	T01455	04.63	35.078	27.60		1493.7							

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REFID 31 1682 YEAR 1970 BOTOP 04755 AIR TEMP 22.3 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 07 SHIP AZ WET BULB 18.3 4 2 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 28 DATA USE 1 BAROMETR 1026.9 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 12.5 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER XI ORIG E44 002 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	24.15	35.873	24.28		1533.8							
12.5	OBS	00022	22.59	35.846	24.71		1530.3							
12.5	OBS	00043	19.39	36.434	26.03		1522.8							
12.5	OBS	00065	18.33	36.435	26.31		1520.2							
12.5	OBS	00081	17.97	36.453	26.41		1519.5							
12.5	OBS	00131	17.49	36.472	26.54		1518.9							
12.5	OBS	00174	17.15	36.459	26.61		1518.6							
12.5	OBS	00260	16.97	36.449	26.65		1519.5							
12.5	OBS	T00346	16.36	36.277	26.66		1518.8							
12.5	OBS	00435	15.69	36.159	26.73		1518.1							
12.5	OBS	00522	14.50	35.911	26.80		1515.5							
12.5	OBS	00700		35.389										
12.5	OBS	T00879	07.65	35.200	27.50		1496.3							

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REFID 31 1682 YEAR 1970 BOTOP 04572 AIR TEMP 23.4 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 07 SHIP AZ WET BULB 18.9 4 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 29 DATA USE 1 BAROMETR 1025.5 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER XI ORIG E44 003 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	24.26	35.904	24.27		1534.1							
12.4	OBS	00027	21.01	35.994	25.27		1526.4							
12.4	OBS	00053	18.69	36.389	26.18		1521.0							
12.4	OBS	00079	18.16	36.462	26.37		1520.0							
12.4	OBS	00105	17.85	36.491	26.47		1519.6							
12.4	OBS	00159	17.61	36.473	26.51		1519.7							
12.4	OBS	00212	17.31	36.438	26.56		1519.7							
12.4	OBS	00317	17.00	36.410	26.61		1520.5							
12.4	OBS	T00422	15.70	36.146	26.71		1517.9							
12.4	OBS	00529	13.93	35.824	26.86		1513.6							
12.4	OBS	T00634	12.83	35.670	26.96		1511.5							
12.4	OBS	00845	07.66	35.124	27.44		1495.7							

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REFID 31 1682 YEAR 1970 BOTOP 04840 AIR TEMP 24.0 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 07 SHIP AZ WET BULB 21.5 14 1 2 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 56.2 N DAY 30 DATA USE 1 BAROMETR 1024.7 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 12.3 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER XI ORIG E44 004 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	OBS	00000	24.18	36.137	24.47		1534.2							
12.3	OBS	00025	24.12	36.227	24.55		1534.5							
12.3	OBS	00049	19.58	36.328	25.90		1523.3							
12.3	OBS	00074	17.77	36.314	26.35		1518.6							
12.3	OBS	00098	17.52	36.430	26.50		1518.4							
12.3	OBS	00199	17.12	36.430	26.60		1518.9							
12.3	OBS	00300	16.82	36.366	26.62		1519.6							
12.3	OBS	T00402	15.76	36.171	26.72		1517.8							
12.3	OBS	00505	14.30	35.916	26.85		1514.6							
12.3	OBS	T00609	12.46	35.590	26.98		1509.8							
12.3	OBS	00815	07.89	35.123	27.41		1496.1							
12.3	OBS	T01021	05.40	35.044	27.68		1489.6							
12.3	OBS	T01542	04.03	34.975	27.78		1492.6							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTDP 04800 AIR TEMP 26.1 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 07 SHIP A2 WET BULB 23.3 SEA 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 31 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A B/3 CL/TR WEATHER X1 DRIG E44 005 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.3	OBS	00000	24.21	36.128	24.45		1534.2							
12.3	OBS	00027	23.20	36.314	24.85		1532.4							
12.3	OBS	00052	18.72	36.476	26.24		1521.2							
12.3	OBS	00078	17.85	36.479	26.46		1519.1							
12.3	OBS	00104	17.43	36.439	26.53		1518.3							
12.3	OBS	00156	17.19	36.431	26.58		1518.4							
12.3	OBS	00208	17.12	36.427	26.60		1519.0							
12.3	OBS	00312	16.37	36.244	26.64		1518.3							
12.3	OBS	00418	14.90	36.025	26.80		1515.2							
12.3	OBS	00524		35.794										
12.3	OBS	00631	10.86	35.402	27.13		1504.3							
12.3	OBS	00845	06.80	35.076	27.53		1492.3							
12.3	OBS	T01061	05.43	35.110	27.73		1490.4							
12.3	OBS	T01606	03.97	34.994	27.61		1495.4							

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REFID 31 1682 YEAR 1970 BOTDP 04800 AIR TEMP 24.4 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 08 SHIP A2 WET BULB 21.6 SEA 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 01 DATA USE 1 BAROMETR SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 9/5 CL/TR WEATHER X1 DRIG E44 006 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.3	OBS	00000	24.29	36.128	24.43		1534.4							
12.3	OBS	00028	22.52	36.315	25.05		1530.7							
12.3	OBS	00054	19.13	36.394	26.07		1522.3							
12.3	OBS	00082	17.74	36.393	26.42		1516.8							
12.3	OBS	00109	17.65	36.383	26.43		1518.9							
12.3	OBS	00164	16.83	36.350	26.61		1517.4							
12.3	OBS	T00219	16.65	36.329	26.62		1517.7							
12.3	OBS	00328	15.92	36.194	26.70		1517.1							
12.3	OBS	T00438	14.32	35.875	26.81		1515.5							
12.3	OBS	00548	12.88	35.684	26.96		1510.3							
12.3	OBS	T00658	10.63	35.362	27.14		1505.9							
12.3	OBS	00879	06.50	35.109	27.54		1495.3							
12.3	OBS	T01099	05.24	35.075	27.73		1490.3							
12.3	OBS	T01648	03.97	34.989	27.80		1494.1							

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REFID 31 1682 YEAR 1970 BOTDP 04938 AIR TEMP 24.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 08 SHIP A2 WET BULB 23.9 SEA 13 1 3 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 39 N DAY 02 DATA USE 1 BAROMETR 1029.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.4 AREA 05 CLOUD T/A B/7 CL/TR WEATHER X1 DRIG E44 007 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.4	OBS	00000	24.55	36.022	24.27		1534.9							
12.4	OBS	00025	22.47	36.352	25.13		1530.6							
12.4	OBS	00051	18.63	36.299	26.13		1520.7							
12.4	OBS	00076	18.01	36.399	26.36		1519.4							
12.4	OBS	00102	17.50	36.456	26.53		1518.5							
12.4	OBS	00152	17.15	36.419	26.58		1518.2							
12.4	OBS	T00203	17.01	36.414	26.61		1518.6							
12.4	OBS	00305	16.40	36.300	26.67		1518.3							
12.4	OBS	00508	13.96	35.863	26.88		1513.4							
12.4	OBS	T00609	12.47	35.631	27.01		1509.9							
12.4	OBS	00812	07.69	35.114	27.43		1495.2							
12.4	OBS	T01015	05.48	35.051	27.68		1489.8							
12.4	OBS	T01523	04.22	35.004	27.79		1493.1							

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REFID 31 1682 YEAR 1970 BOTDP 04572 AIR TEMP 24.7 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 08 SHIP A2 WET BULB 21.3 SEA 16 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A B/2 CL/TR WEATHER X1 DRIG E44 008 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.2	OBS	00000	24.80	36.587	24.62		1536.1							
12.2	OBS	00024	24.66	36.547	24.63		1536.2							
12.2	OBS	00050	19.72	36.389	25.91		1523.8							
12.2	OBS	00074	18.12	36.396	26.33		1519.7							
12.2	OBS	00099	17.37	36.397	26.51		1518.0							
12.2	OBS	00147	16.82	36.344	26.61		1517.0							
12.2	OBS	T00195	16.60	36.310	26.63		1517.1							
12.2	OBS	00291	16.03	36.201	26.68		1516.6							
12.2	OBS	T00385	15.06	36.036	26.77		1515.2							
12.2	OBS	00481	13.40	35.725	26.89		1511.0							
12.2	OBS	T00571	12.44	35.606	26.99		1509.1							
12.2	OBS	00756	08.87	35.174	27.29		1498.9							
12.2	OBS	T00952	05.83	35.001	27.60		1490.1							
12.2	OBS	T01423	04.46	35.010	27.77		1492.4							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTOP 0457z AIR TEMP 25.0 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP AZ WET BULB 18.4 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 04 DATA USE 1 BAROMETR 1029.1 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 DRIG E44 004 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	24.82	36.552	24.55		1536.1							
12.4	OBS	00022	22.29	36.427	25.24		1536.2							
12.4	OBS	00045	15.82	36.430	25.92		1536.4							
12.4	OBS	00068	18.02	36.402	26.36		1517.4							
12.4	OBS	00091	17.37	36.378	26.50		1517.8							
12.4	OBS	00136	17.01	36.359	26.57		1517.4							
12.4	OBS	T00181	16.84	36.346	26.60		1517.7							
12.4	OBS	00272	16.24	36.269	26.66		1517.6							
12.4	OBS	T00362	15.74	36.165	26.72		1517.1							
12.4	OBS	00452	14.07	35.835	26.83		1512.9							
12.4	OBS	T00539	12.65	35.615	26.96		1507.5							
12.4	OBS	00714		35.397										
12.4	OBS	T00887	07.01	35.090	27.51		1495.8							
12.4	OBS	T01309	04.58	35.016	27.76		1491.0							

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REFID 31 1682 YEAR 1970 BOTOP 03658 AIR TEMP 24.7 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 06 SHIP AZ WET BULB 20.9 14 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1030.1 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 DRIG E44 010 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	24.84	36.561	24.55		1536.2							
12.2	OBS	00023	23.97	36.528	24.63		1536.5							
12.2	OBS	00047	19.03	36.394	26.10		1521.9							
12.2	OBS	00069	17.95	36.400	26.37		1519.2							
12.2	OBS	00093	17.24	36.372	26.53		1517.4							
12.2	OBS	00138	16.90	36.352	26.55		1517.1							
12.2	OBS	T00185	16.74	36.340	26.62		1517.4							
12.2	OBS	00276	16.23	36.240	26.66		1517.3							
12.2	OBS	T00366	15.37	36.103	26.76		1515.9							
12.2	OBS	00456	14.14	35.881	26.86		1513.2							
12.2	OBS	T00544	12.66	35.610	26.95		1509.4							
12.2	OBS	00720	09.76	35.287	27.24		1501.7							
12.2	OBS	T00895	07.16	35.126	27.52		1494.6							
12.2	OBS	T01342	04.67	35.017	27.75		1491.9							

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REFID 31 1682 YEAR 1970 BOTOP 04801 AIR TEMP 24.6 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 06 SHIP AZ WET BULB 22.0 13 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 06 DATA USE 1 BAROMETR 1031.5 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 DRIG E44 011 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	24.86	36.595	24.61		1536.3							
12.4	OBS	00023	24.80	36.597	24.63		1536.5							
12.4	OBS	00045	18.77	36.353	26.13		1521.0							
12.4	OBS	00067	17.66	36.396	26.44		1518.3							
12.4	OBS	00089	17.56	36.444	26.50		1518.4							
12.4	OBS	00134	17.02	36.371	26.58		1517.5							
12.4	OBS	T00179	16.84	36.352	26.61		1517.6							
12.4	OBS	00265	16.41	36.286	26.66		1517.7							
12.4	OBS	00351	15.47	36.117	26.74		1516.0							
12.4	OBS	00434	14.46	35.962	26.85		1514.0							
12.4	OBS	T00516	13.37	35.762	26.93		1511.5							
12.4	OBS	00675		35.481										
12.4	OBS	T01248	05.02	35.057	27.74		1491.8							

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REFID 31 1682 YEAR 1970 BOTOP 04938 AIR TEMP 25.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 06 SHIP AZ WET BULB 22.0 04 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 54.0N DAY 07 DATA USE 1 BAROMETR 1028.9 SEA WIND-FJR DURATION 2 SQUARE 46  
 LONG 047 57.5W HOUR 12.2 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 DRIG E44 012 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	25.00	36.613	24.58		1536.6							
12.2	OBS	00023	24.15	36.566	24.60		1536.4							
12.2	OBS	00045	19.37	36.388	26.00		1522.8							
12.2	OBS	00067	17.76	36.392	26.41		1518.6							
12.2	OBS	00089	17.20	36.382	26.54		1517.3							
12.2	OBS	00134		36.376										
12.2	OBS	T00177	16.73	36.355	26.64		1517.3							
12.2	OBS	00263	16.12	36.232	26.68		1516.7							
12.2	OBS	00345	15.32	36.085	26.75		1515.4							
12.2	OBS	00428	14.18	35.906	26.87		1512.4							
12.2	OBS	T00510	13.16	35.726	26.94		1510.7							
12.2	OBS	00675	10.12	35.369	27.24		1502.4							
12.2	OBS	T00844	08.57	35.186	27.51		1495.5							
12.2	OBS	F01245	04.57	35.002	27.75		1490.7							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BDTDP 04755 AIR TEMP 25.5 OIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CDNSC 0013 MONTH 08 SHIP A2 WET BULB 21.0 09 2 3 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 08 DATA USE 1 BARMETR 1025.7 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 DRIG E44 013 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	UXYG	PD4	TOT P	ND2	ND3	SI03	PH
12.2	DBS	00000	24.91	36.514	24.53		1536.3							
12.2	DBS	00029	20.84	36.198	25.47		1526.3							
12.2	DBS	00057	17.98	36.417	26.38		1519.1							
12.2	DBS	00086	17.31	36.398	26.53		1517.6							
12.2	DBS	00115	16.89	36.357	26.60		1516.7							
12.2	DBS	00173	16.76	36.356	26.63		1517.3							
12.2	DBS	T00230	16.38	36.294	26.67		1517.0							
12.2	DBS	00345	15.27	36.092	26.77		1515.2							
12.2	DBS	T00457	13.76	35.814	26.88		1511.9							
12.2	DBS	00569	12.46											
12.2	DBS	T00678	10.52	35.392	27.19		1503.9							
12.2	DBS	00596	08.05											
12.2	DBS	T01113	05.81											
12.2	DBS	T01703	04.02	34.998	27.80		1495.3							

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REFID 31 1682 YEAR 1970 BDTDP 04663 AIR TEMP 23.8 OIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CDNSC 0014 MONTH 08 SHIP A2 WET BULB 20.5 08 2 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 09 DATA USE 1 BARMETR 1023.1 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 12.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 DRIG E44 014 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	UXYG	PD4	TOT P	ND2	ND3	SI03	PH
12.2	DBS	00000	24.97	36.535	24.53		1536.5							
12.2	DBS	00023	24.84	36.520	24.56		1536.5							
12.2	DBS	00044	18.85	36.386	26.14		1521.3							
12.2	DBS	00067	17.50	36.394	26.48		1517.8							
12.2	DBS	00089	17.09	36.480	26.65		1517.1							
12.2	DBS	00134	16.75	36.369	26.64		1516.7							
12.2	DBS	T00178	16.61	36.352	26.66		1516.9							
12.2	DBS	00268	15.93	36.212	26.71		1516.2							
12.2	DBS	T00356	15.07	36.062	26.79		1514.8							
12.2	DBS	00445	14.10	35.886	26.87		1512.9							
12.2	DBS	T00533	12.80	35.653	26.96		1509.8							
12.2	DBS	00710	10.09	35.361	27.24		1502.8							
12.2	DBS	T00886	08.38	35.397	27.55		1499.5							
12.2	DBS	T01328	04.81	35.056	27.76		1492.3							

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REFID 31 1682 YEAR 1970 BDTDP 01280 AIR TEMP 24.5 OIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CDNSC 0015 MONTH 08 SHIP A2 WET BULB 22.7 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 10 DATA USE 1 BARMETR 1023.6 SEA 4 WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 DRIG E44 015 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	UXYG	PD4	TOT P	ND2	ND3	SI03	PH
12.1	DBS	00000	25.04	36.550	24.52		1536.7							
12.1	DBS	00022	23.26	36.305	24.87		1532.5							
12.1	DBS	00045	19.53	36.390	25.96		1523.2							
12.1	DBS	00066	18.13	36.457	26.37		1514.7							
12.1	DBS	00089	17.59	36.472	26.52		1518.5							
12.1	DBS	00132	17.14	36.422	26.59		1517.8							
12.1	DBS	T00175	17.08	36.454	26.63		1518.4							
12.1	DBS	00259	16.62	36.354	26.66		1518.3							
12.1	DBS	00341	15.85	36.237	26.75		1517.2							
12.1	DBS	00423	14.68	35.999	26.83		1514.5							
12.1	DBS	T00503	13.52	35.786	26.91		1511.6							
12.1	DBS	00660		35.482										
12.1	DBS	T00816	09.09	35.356	27.40		1500.9							
12.1	DBS	T01199	04.78	34.998	27.72		1489.9							

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TABLE XXIII.—Continued

REFID 31 1682 YEAR 1970 BOTOP 03931 AIR TEMP 24.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CCNSEC 0016 MONTH 08 SHIP A2 WET BULB 21.9 14 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 11 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E44 016 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	08S	0000	24.76	36.343	24.45		1535.8							
12.3	08S	00023	21.09	36.310	25.46		1527.0							
12.3	08S	00046	18.48	36.418	26.25		1520.3							
12.3	08S	00066	17.94	36.465	26.43		1519.2							
12.3	08S	00089	17.73	36.493	26.50		1519.0							
12.3	08S	00131	17.18	36.420	26.58		1517.9							
12.3	08S	T00175	17.10	36.429	26.60		1518.4							
12.3	08S	00257	16.81											
12.3	08S	00340	16.25	36.260	26.68		1518.4							
12.3	08S	00421	15.07	36.034	26.77		1515.8							
12.3	08S	T00500	14.09	35.864	26.85		1513.7							
12.3	08S	00655		35.496										
12.3	08S	T00809	08.52	35.248	27.41		1498.5							
12.3	08S	T01194	04.95	35.032	27.73		1490.6							
13.9	08S	T01663	04.04											
13.9	08S	01888	03.86											
13.9	08S	T02115	03.66											
13.9	08S	T02346	03.48											
13.9	08S	T02583	03.26											

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REFID 31 1682 YEAR 1970 BOTOP 04572 AIR TEMP 24.4 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CCNSEC 0017 MONTH 08 SHIP A2 WET BULB 22.0 14 2 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 12 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 15 W HOUR 12.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E44 017 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	08S	0000	24.96	36.537	24.53		1536.5							
12.3	08S	00025	19.92	36.420	25.88		1524.0							
12.3	08S	00050	18.58	36.501	26.29		1520.8							
12.3	08S	00074	17.91	36.492	26.45		1519.2							
12.3	08S	00099	17.70	36.460	26.48		1519.0							
12.3	08S	00148	17.37	36.453	26.56		1518.8							
12.3	08S	T00197	17.10	36.416	26.59		1518.8							

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REFID 31 1682 YEAR 1970 BOTOP 04389 AIR TEMP 24.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CCNSEC 0018 MONTH 08 SHIP A2 WET BULB 22.0 14 2 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 13 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E44 018 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	08S	0000	24.71	36.328	24.45		1535.6							
12.3	08S	00025	21.53	36.372	25.41		1526.2							
12.3	08S	00050	18.57	36.445	26.25		1520.7							
12.3	08S	00075	17.79	36.443	26.45		1518.8							
12.3	08S	00100	17.44	36.450	26.54		1518.2							
12.3	08S	00150		36.425										
12.3	08S	00200	17.11	36.446	26.61		1518.4							
12.3	08S	00299	16.87	36.387	26.63		1519.7							
12.3	08S	T00399	16.21	36.247	26.67		1514.2							
12.3	08S	00498	14.74	35.957	26.78		1515.9							
12.3	08S	T00598	13.10	35.698	26.93		1511.9							
12.3	08S	00798	09.25	35.295	27.33		1501.1							
12.3	08S	T00998	05.95	35.045	27.62		1491.4							
12.3	08S	T01496	04.36	34.999	27.77		1493.2							

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TABLE XXIV. Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 14 August 1970 - 6 September 1970, prepared from NODC listing No. 31 - 1684.

REFID 31 1684 YEAR 1970 BUOY 04918 AIR TEMP 26.5 DIF HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 08 SHIP 81 WFT 008 21.4 W 2 4 WIND-SPD 03 TRAC DIR 5 SQUARE 7  
 LAT 34 51.5 N LAT 15 DATA USE 1 BAROMETR 1027.4 SEA WIND-FR 6 DURATION 2 SQUARE 48  
 LONG 069 06.4 W LONG 122.9 AREA 05 CLOUD TRA 175 CLZTR WEATHER 41 ORIG EWS 001 1 SQUARE 48

A	TIME	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SNO VEL	DRG	PK	TOT P	NO2	NO3	SI 1	PH
12.9	05	00000	15.78	36.136	23.48									
12.9	05	00026	25.01	36.195	24.56									
12.9	07	00050	19.55	36.454	26.01									
12.9	07	00074	17.90	36.457	26.43									
12.9	07	00100	17.49	36.480	26.53									
12.9	07	00158	17.12	36.490	26.60									
12.9	07	00198	17.11	36.425	26.60									
12.9	07	00.99	16.71	36.352	26.63									
12.9	07	00196	15.59	36.128	26.73									
12.9	08	00494	13.71	35.779	26.87									
12.9	08	00594	12.52	35.752	27.05									
12.9	08	00792	09.15	35.481	27.13									
12.9	08	00989	15.98	35.070	27.63									
12.9	08	T 1488	07.92	35.047	27.67									

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REFID 31 1684 YEAR 1970 BUOY 02743 AIR TEMP 27.9 DIF HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 08 SHIP 81 WFT 008 21.7 W 2 4 WIND-SPD 10 TRAC DIR 5 SQUARE 7  
 LAT 34 54.0 N LAT 16 DATA USE 1 BAROMETR 1026.2 SEA WIND-FR 4 DURATION 2 SQUARE 48  
 LONG 08 01.34 W LONG 151.7 AREA 05 CLOUD TRA 074 CLZTR WEATHER 41 ORIG EWS 002 1 SQUARE 48

A	TIME	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SNO VEL	DRG	PK	TOT P	NO2	NO3	SI 1	PH
15.7	05	00000	15.58	36.114	23.46									
15.7	05	00071	21.29	36.125	24.87									
15.7	05	00093	19.68	36.439	25.97									
15.7	05	00064	18.40	36.475	26.31									
15.7	05	00094	17.82	36.462	26.45									
15.7	05	00128	17.37	36.467	26.55									
15.7	05	00171	17.09	36.437	26.55									
15.7	05	00159	17.02	36.414	26.61									
15.7	05	00187	17.50	36.101	26.65									
15.7	05	00232	15.47	36.116	26.70									
15.7	05	00529	14.54	36.071	26.70									
15.7	05	00720	11.67	35.731	27.08									
15.7	05	00915	07.98	35.181	27.45									
15.7	05	T 1812	04.74	35.043	27.76									

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REFID 31 1684 YEAR 1970 BUOY 04572 AIR TEMP 26.1 DIF HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 08 SHIP 81 WFT 008 23.2 W 2 4 WIND-SPD 17 TRAC DIR 5 SQUARE 7  
 LAT 34 52.5 N LAT 17 DATA USE 1 BAROMETR 1022.4 SEA WIND-FR 4 DURATION 2 SQUARE 48  
 LONG 07 51.54 W LONG 124.4 AREA 05 CLOUD TRA 074 CLZTR WEATHER 41 ORIG EWS 003 1 SQUARE 48

A	TIME	DEPTH	TEMP	SAL	SIGMA-T	DEPTH	SNO VEL	DRG	PK	TOT P	NO2	NO3	SI 1	PH
13.6	07	00000	15.90	36.171	23.41									
13.6	07	00044	24.04	36.173	24.48									
13.6	07	00086	20.58	36.411	25.74									
13.6	07	00064	18.65	36.475	26.14									
13.6	07	00093	17.88	36.434	26.43									
13.6	07	00139	17.36	36.424	26.49									
13.6	07	00146	17.13	36.410	26.55									
13.6	07	00182	17.01	36.417	26.71									
13.6	07	T 0377	16.47	36.158	26.75									
13.6	07	00175	15.14	36.051	26.77									
13.6	07	T 0375	13.43	35.483	27.15									
13.6	07	00171	14.31	35.197	27.21									
13.6	07	00187	16.83	35.196	27.61									
13.6	07	T 1635	04.12	34.974	27.71									

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TABLE XXIV.—Continued

REFID 31 1684 YEAR 1970 BOTOP 04938 AIR TEMP 26.2 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 08 SHIP BX WET BULB 23.5 29 3 6 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 55.0N DAY 18 DATA USE 1 BAROMETR 1018.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 53.0W HOUR 14.0 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER X6 ORIG E45 004 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
14.0	085	00000	25.49	35.982	23.95		1537.1							
14.0	085	00027	25.36	36.654	24.50		1538.0							
14.0	085	00052	20.67	36.453	25.71		1526.5							
14.0	085	00079	18.71	36.498	26.26		1521.6							
14.0	085	00105	17.88	36.471	26.45		1519.6							
14.0	085	00158	17.25	36.417	26.56		1518.6							
14.0	085	T00210	16.95	36.365	26.59		1518.5							
14.0	085	00315	16.38	36.263	26.65		1518.4							
14.0	085	T00420	15.22	36.052	26.75		1516.3							
14.0	085	00526	13.63	35.791	26.89		1512.6							
14.0	085	00652	11.98	35.652	27.12		1508.6							
14.0	085	00847	08.15	35.175	27.41		1497.7							
14.0	085	T01063	06.46	35.208	27.68		1494.7							
14.0	085	T01613	04.16	34.987	27.78		1494.3							

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REFID 31 1684 YEAR 1970 BOTOP 04938 AIR TEMP 26.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 08 SHIP BX WET BULB 24.0 29 2 5 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 19 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 21.6 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E45 005 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
21.6	085	00000	26.21	36.190	23.85		1538.9							
21.6	085	00025	24.96	36.548	24.54		1536.9							
21.6	085	00051	19.16	36.423	26.08		1522.3							
21.6	085	00076	17.85	36.467	26.45		1519.1							
21.6	085	00102	17.49	36.444	26.52		1518.4							
21.6	085	00152	17.09	36.397	26.58		1516.0							
21.6	085	T00202	17.04	36.412	26.61		1518.7							
21.6	085	00304	16.23	36.260	26.68		1517.7							
21.6	085	00405	15.02	36.035	26.79		1515.4							
21.6	085	00507	13.70	35.803	26.89		1512.5							
21.6	085	00608	12.03	35.622	27.08		1508.3							
21.6	085	00810	08.54	35.202	27.37		1498.6							
21.6	085	T01013	06.76	35.197	27.63		1495.1							
21.6	085	T01521	04.28	34.992	27.77		1493.3							

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REFID 31 1684 YEAR 1970 BOTOP 04709 AIR TEMP 25.6 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 08 SHIP BX WET BULB 23.6 31 2 6 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 02.0N DAY 21 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58.0W HOUR 12.3 AREA 05 CLOUD T/A 1/2 CL/TR WEATHER X1 ORIG E45 006 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	26.01	36.150	23.92		1538.4							
12.3	085	00025	25.73	36.204	24.05		1538.3							
12.3	085	00050	20.96	36.419	25.60		1527.2							
12.3	085	00074	18.29	36.385	26.28		1520.2							
12.3	085	00099	17.38	36.382	26.50		1518.0							
12.3	085	00148	16.90	36.368	26.60		1517.3							
12.3	085	T00197	16.56	36.260	26.62		1517.0							
12.3	085	00296	15.78	36.170	26.71		1516.1							
12.3	085	00394	14.49	35.906	26.80		1513.3							
12.3	085	00492	13.54	35.784	26.91		1511.7							
12.3	085	T00590	12.41	35.752	27.11		1504.5							
12.3	085	00786	08.94	35.227	27.32		1499.7							
12.3	085	T00981	06.85	35.189	27.61		1494.9							
12.3	085	T01471	04.56	35.028	27.77		1493.6							

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REFID 31 1684 YEAR 1970 BOTOP 04846 AIR TEMP 28.6 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 08 SHIP BX WET BULB 24.7 34 3 6 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02.0N DAY 22 DATA USE 1 BAROMETR 1022.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14.0W HOUR 14.5 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E45 007 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
14.5	085	00000	26.19	36.146	23.86		1538.9							
14.5	085	00019	25.85	36.150	23.97		1538.4							
14.5	085	00039	24.00	36.525	24.82		1534.8							
14.5	085	00058	20.46	36.432	25.75		1526.0							
14.5	085	00078	18.54	36.390	26.22		1521.0							
14.5	085	00118	17.11	36.363	26.55		1517.5							
14.5	085	00157	16.373	36.373	26.64		1517.7							
14.5	085	00235	15.92	36.197	26.70		1516.9							
14.5	085	00390	15.27	36.073	26.76		1516.0							
14.5	085	T00465	14.24	35.967	26.90		1513.8							
14.5	085	00613	10.19	35.640	27.23		1504.9							
14.5	085	T00753	05.17	35.008	27.68		1490.4							

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TABLE XXIV.—Continued

REFID 31 1684 YEAR 1970 BOTOP 03840 AIR TEMP 26.9 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 08 SHIP 8X WET BULB 24.2 21 2 5 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR 2 SQUARE 48  
 LONG 048 00 W HOUR 14.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E45 008 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SI03	PH
14.1	08S	00000	26.14	36.165	23.85		1538.8							
14.1	08S	00024	24.51	36.248	24.45		1555.5							
14.1	08S	00051	21.63	36.437	25.43		1529.0							
14.1	08S	00078	18.89	36.430	26.16		1522.0							
14.1	08S	00104	17.87	36.438	26.42		1519.5							
14.1	08S	00155	17.12	36.386	26.57		1518.1							
14.1	08S	00206		36.368										
14.1	08S	00308	16.32	36.274	26.67		1518.1							
14.1	08S	00409	15.40	36.106	26.75		1516.7							
14.1	08S	00511	13.91	35.829	26.86		1513.3							
14.1	08S	T00612	12.74	35.814	27.05		1511.1							
14.1	08S	00816	09.07	35.274	27.34		1500.7							
14.1	08S	T01021	06.53	35.166	27.63		1454.3							
14.1	08S	T01568	04.34	35.011	27.78		1494.3							

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REFID 31 1684 YEAR 1970 BOTOP 04481 AIR TEMP 27.9 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 08 SHIP 8X WET BULB 24.1 27 1 3 WIND-SPO 05 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 25 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR 2 SQUARE 46  
 LONG 047 56.5W HOUR 18.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E45 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SI03	PH
18.8	08S	00000	26.67	36.127	23.65		1539.9							
18.8	08S	00025	25.67	36.109	23.95		1538.0							
18.8	08S	00051	21.47	36.450	25.49		1528.6							
18.8	08S	00076	19.22	36.478	26.11		1523.0							
18.8	08S	00102	18.33	36.478	26.34		1520.9							
18.8	08S	00152	17.69	36.474	26.45		1519.9							
18.8	08S	T00203	17.20	36.414	26.57		1519.2							
18.8	08S	00305	16.90	36.389	26.62		1519.9							
18.8	08S	T00406	16.02	36.194	26.68		1518.7							
18.8	08S	00508	14.84	35.987	26.75		1516.4							
18.8	08S	T00609	13.30	35.746	26.93		1512.8							
18.8	08S	00812	08.92	35.194	27.30		1500.0							
18.8	08S	01015	07.49	35.304	27.61		1498.1							

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REFID 31 1684 YEAR 1970 BOTOP 04755 AIR TEMP 26.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 08 SHIP 8X WET BULB 24.0 29 2 7 WIND-SPD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1021.8 SEA WIND-FOR 2 SQUARE 48  
 LONG 048 10 W HOUR 22.6 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E45 010 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SI03	PH
22.6	08S	00000	26.56	36.175	23.76		1539.7							
22.6	08S	00025	26.17	36.146	23.87		1539.2							
22.6	08S	00050	22.54	36.437	25.17		1531.3							
22.6	08S	00075	20.49	36.505	25.80		1526.4							
22.6	08S	00100	19.25	36.524	26.14		1523.5							
22.6	08S	00149	17.92	36.482	26.44		1520.5							
22.6	08S	T00199	17.50	36.444	26.52		1520.0							
22.6	08S	00299	16.95	36.384	26.61		1520.0							
22.6	08S	T00398	15.96	36.190	26.65		1518.4							
22.6	08S	00499	14.92	36.030	26.80		1516.6							
22.6	08S	T00598	13.50	35.762	26.90		1513.3							
22.6	08S	00797	09.80	35.310	27.25		1503.2							
22.6	08S	00998	07.87	35.348	27.59		1499.3							

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REFID 31 1684 YEAR 1970 BOTOP 04938 AIR TEMP 26.8 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 08 SHIP 8X WET BULB 24.4 28 2 6 WIND-SPO 13 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 28 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR 2 SQUARE 46  
 LONG 047 56 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E45 011 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPH	SND VEL	OXYG	PU4	TGT P	NO2	NO3	SI03	PH
13.0	08S	00000	26.27	36.225	23.85		1539.1							
13.0	08S	00030	25.01	36.173	24.24		1536.7							
13.0	08S	00059	21.48	36.472	25.50		1528.8							
13.0	08S	00089	19.86	36.522	25.97		1525.1							
13.0	08S	00119	18.45	36.441	26.28		1521.5							
13.0	08S	00178	17.61	36.460	26.50		1520.0							
13.0	08S	T00237	17.14	36.410	26.58		1519.6							
13.0	08S	00356	16.72	36.349	26.63		1520.2							
13.0	08S	T00475	14.84	35.972	26.77		1515.9							
13.0	08S	00597	13.27	35.729	26.92		1512.5							
13.0	08S	T00720	11.31	35.485	27.11		1507.5							
13.0	08S	00972	07.92	35.349	27.58		1499.1							
13.0	08S	01229	05.28	35.085	27.73		1492.6							
13.0	08S	T01684	03.94	34.991	27.81		1498.0							

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TABLE XXIV.—Continued

REFID 31 1684	YEAR 1970	BOTOP 04572	AIR TEMP 24.7	OIF HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SW 1206
CONSEC 0012	MONTH 09	SHIP BX	WET BULB 20.1	30 3 0	WIND-SPO 11	TRACE DIR	5 SQUARE 2
LAT 34 57 N	DAY 04	DATA USE 1	BAROMETR 1010.4	SEA	WIND-FDH	OURATION	2 SQUARE 46
LONG 047 46 W	HOOR 12.6	AREA 05	CLLOUD T/W 2/6	CL/TR	WEATHER X1	ORIG E45 012	1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	UATG	PG4	TCT P	NO2	NO3	SIU3	PH
12.6	OBS	00000	25.86	36.268	24.05		1530.2							
12.6	OBS	00022	25.81	36.274	24.07		1538.5							
12.6	OBS	00044	23.70	36.448	24.85		1534.1							
12.6	OBS	00066	18.72	36.487	26.25		1521.4							
12.6	OBS	00088	18.04	36.454	26.42		1519.8							
12.6	OBS	00132	17.50	36.456	26.53		1518.9							
12.6	OBS	T00175	17.13	36.428	26.60		1516.5							
12.6	OBS	00258	17.06	36.425	26.61		1519.7							
12.6	OBS	T00340	16.87	36.383	26.62		1520.4							
12.6	OBS	00427	16.53	36.314	26.65		1520.7							
12.6	OBS	T00515	16.10	36.237	26.65		1520.8							
12.6	OBS	00704	13.61	35.797	26.90		1515.4							
12.6	OBS	00901	09.65	35.271	27.24		1504.3							
12.6	OBS	T01421	04.75	35.006	27.73		1493.5							
12.6	OBS	T02347	03.60	34.976	27.83		1504.4							
12.6	OBS	T02923	03.03	34.953	27.67		1511.4							
12.6	OBS	03511	02.56	34.923	27.68		1520.1							
12.6	OBS	T04120	02.30	34.901	27.85		1529.6							
12.6	OBS	T04216	02.27	34.897	27.85		1531.2							

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TABLE XXV.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 6 September 1970 - 29 September 1970, prepared from NODC listing No. 31 - 8186.

REFID 31 8186	YEAR 1970	BOTDP 04938	AIR TEMP 28.3	DIP HGT PER	WIND-OIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 09	SHIP A1	WET BULB 23.3	09 1 2	WIND-SPD 05	TRACE OIR 0	5 SQUARE 2
LAT 34 56 N	DAY 06	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FDR	DURATION 00.7	2 SQUARE 48
LONG 049 40 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/T/P	WEATHER X1	ORIG E46 001	1 SQUARE 49

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.0	OBS	00000	26.28	36.18	23.86		1539.1							
	OBS	00010	25.93	36.27	24.03		1538.6							
	OBS	00020	22.54	36.27	25.05		1530.6							
	OBS	00100	17.30	36.41	26.54		1517.8							
	OBS	00125	17.08	36.43	26.61		1517.6							
	OBS	00150	17.00	36.43	26.63		1517.7							
	OBS	00200	16.80	36.40	26.65		1517.9							
	OBS	00250	16.51	36.34	26.68		1517.8							
	OBS	00300	16.10	36.25	26.70		1517.3							
	OBS	00400	15.00	36.07	26.81		1515.3							
	OBS	00500	13.88	35.86	26.89		1513.1							
	OBS	00600	12.47	35.64	27.01		1509.7							
	OBS	00700	10.60	35.42	27.19		1504.6							
	OBS	00800	08.95	35.26	27.35		1500.0							
	OBS	00840	08.91	35.33	27.41		1500.6							
	OBS	00900	07.79	35.22	27.50		1497.2							
	OBS	00920	07.36	35.23	27.57		1495.9							
	OBS	00960	07.41	35.29	27.61		1496.9							
	OBS	00990	07.09	35.25	27.62		1496.1							
	OBS	01000	07.06	35.29	27.66		1496.2							
	OBS	01040	05.95	35.15	27.70		1493.1							
	OBS	01100	06.03	35.19	27.72		1493.6							
	OBS	01200	05.51	35.13	27.74		1493.1							
	OBS	01300	05.01	35.11	27.78		1492.7							
	OBS	01400	04.75	35.08	27.79		1493.3							
	OBS	01500	04.46	35.06	27.81		1493.8							
	OBS	01740	04.03	35.02	27.82		1496.0							
	OBS	01750	04.16	35.05	27.83		1496.7							
	OBS	02000	03.78	35.01	27.84		1499.3							
	OBS	02500	03.33	34.98	27.86		1505.9							
	OBS	03000	02.96	34.95	27.87		1512.9							

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REFID 31 8186	YEAR 1970	BOTDP 04938	AIR TEMP 25.0	DIP HGT PER	WIND-OIR 08	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 09	SHIP A1	WET BULB 19.4	05 3 2	WIND-SPD 06	TRACE OIR 0	5 SQUARE 2
LAT 34 57 N	DAY 07	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FDR	DURATION 00.4	2 SQUARE 49
LONG 049 22 W	HOUR 00.5	AREA 05	CLOUD T/A	CL/T/P	WEATHER X1	ORIG E46 002	1 SQUARE 49

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.5	OBS	00000	26.06	35.98	23.77		1538.4							
	OBS	00010	25.93	36.17	23.96		1538.5							
	OBS	00020	25.50	36.21	24.12		1537.7							
	OBS	00030	23.98	36.26	24.62		1534.3							
	OBS	00050	21.49	36.43	25.47		1528.6							
	OBS	00075	19.70	36.50	26.00		1524.3							
	OBS	00100	17.95	36.37	26.35		1519.6							
	OBS	00107	17.75	36.43	26.45		1519.2							
	OBS	00118	17.84	36.52	26.49		1519.8							
	OBS	00125	17.75	36.51	26.51		1519.6							
	OBS	00150	17.51	36.47	26.54		1519.3							
	OBS	00200	17.12	36.44	26.61		1518.9							
	OBS	00250	17.03	36.44	26.63		1519.5							
	OBS	00300	16.99	36.44	26.64		1520.2							
	OBS	00375	16.70	36.38	26.66		1520.5							
	OBS	00400	16.41	36.31	26.68		1519.9							
	OBS	00500	15.25	36.11	26.79		1517.7							
	OBS	00570	14.15	35.91	26.88		1515.1							
	OBS	00600	13.94	35.89	26.90		1514.9							
	OBS	00700	12.20	35.57	27.01		1510.4							
	OBS	00800	10.10	35.36	27.23		1504.4							
	OBS	00855	08.86	35.20	27.32		1500.5							
	OBS	00875	09.05	35.29	27.36		1501.7							
	OBS	00900	08.61	35.27	27.41		1500.4							
	OBS	00925	08.35	35.26	27.44		1499.8							
	OBS	00940	08.48	35.33	27.48		1500.7							
	OBS	00960	07.80	35.27	27.54		1498.3							
	OBS	00990	07.90	35.32	27.56		1499.3							
	OBS	01000	07.67	35.28	27.56		1498.5							
	OBS	01040	06.47	35.12	27.61		1494.3							
	OBS	01055	07.05	35.25	27.63		1497.0							
	OBS	01100	06.79	35.23	27.65		1496.7							
	OBS	01125	06.86	35.29	27.69		1497.5							
	OBS	01200	05.67	35.12	27.71		1493.7							
	OBS	01250	05.31	35.08	27.72		1493.1							
	OBS	01270	05.39	35.10	27.73		1493.8							
	OBS	01300	05.25	35.09	27.74		1493.7							
	OBS	01330	05.23	35.11	27.76		1494.1							
	OBS	01400	04.92	35.07	27.76		1494.0							
	OBS	01440	04.72	35.05	27.77		1493.8							
	OBS	01500	04.64	35.04	27.77		1494.5							

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TABLE XXV.—Continued

PEFID 31 R186 YEAR 1970 BUOTOP 04121 AIR TEMP 23.9 DIR HGT PER WIND-OIR 17 INST STD RECORDER TEN SQ 1206  
 CENSEC 0003 MONTH 09 SHIP AT WET BULB 22.2 09 1 2 WIND-SPO 05 TRACE OIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 07 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOP DURATION 00.8 2 SQUARE 48  
 LONG 149 14 W HUP 06.5 AREA 05 CLOUD T/A CLZTR WEATHEP X1 ORIG E46 004 1 SQUARE 59

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
06.5	OBS	00000	25.82	36.00	24.96		1537.8							
	OBS	00010	25.82	36.24	24.95		1538.3							
	OBS	00020	25.49	36.29	24.14		1537.7							
	OBS	00030	23.00	36.36	24.98		1537.0							
	OBS	00050	20.00	36.56	24.77		1529.3							
	OBS	00075	18.78	36.54	24.77		1521.8							
	OBS	00100	18.18	36.53	24.42		1520.5							
	OBS	00125	17.93	36.53	24.48		1520.2							
	OBS	00150	17.51	36.49	24.55		1515.3							
	OBS	00160	17.57	36.51	24.55		1515.7							
	OBS	00200	17.28	36.48	24.60		1514.4							
	OBS	00250	17.11	36.46	24.62		1515.7							
	OBS	00300	17.04	36.45	24.63		1520.3							
	OBS	00400	16.35	36.30	24.68		1519.7							
	OBS	00500	15.20	36.09	24.78		1517.6							
	OBS	00600	14.00	35.89	24.85		1515.1							
	OBS	00700	12.27	35.45	27.01		1510.6							
	OBS	00800	10.06	35.39	27.19		1504.1							
	OBS	00860	09.25	35.27	27.31		1502.1							
	OBS	00900	08.49	35.20	27.38		1495.7							
	OBS	00900	08.66	35.30	27.43		1500.6							
	OBS	01000	07.96	35.27	27.51		1495.6							
	OBS	01050	07.59	35.31	27.60		1495.1							
	OBS	01070	07.25	35.27	27.62		1495.0							
	OBS	01090	07.41	35.36	27.66		1495.1							
	OBS	01100	07.36	35.32	27.64		1494.0							
	OBS	01200	05.32	35.03	27.68		1490.2							
	OBS	01225	05.19	35.04	27.71		1492.1							
	OBS	01255	05.63	35.15	27.74		1494.5							
	OBS	01300	05.40	35.11	27.74		1494.3							
	OBS	01400	04.68	35.02	27.75		1492.9							
	OBS	01410	04.76	35.04	27.76		1493.5							
	OBS	01425	04.63	35.03	27.76		1493.2							
	OBS	01445	04.86	35.07	27.77		1494.5							
	OBS	01500	04.65	35.05	27.78		1494.5							

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PEFID 31 R186 YEAR 1970 BUOTOP 04572 AIR TEMP 26.1 DIR HGT PER WIND-OIR 12 INST STD RECORDER TEN SQ 1206  
 CENSEC 0004 MONTH 09 SHIP AT WET BULB 21.1 12 1 2 WIND-SPO 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 15 N DAY 07 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOP DURATION 00.4 2 SQUARE 48  
 LONG 049 10 W HUP 12.2 AREA 05 CLOUD T/A CLZTR WEATHEP X1 ORIG E46 004 1 SQUARE 59

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	25.78	36.24	24.06		1538.0							
	OBS	00010	25.74	36.25	24.08		1538.1							
	OBS	00020	24.79	36.18	24.32		1536.0							
	OBS	00030	23.50	36.25	24.75		1533.1							
	OBS	00075	18.86	36.44	24.17		1521.9							
	OBS	00100	18.05	36.49	24.42		1520.1							
	OBS	00125	17.82	36.52	24.50		1519.8							
	OBS	00150	17.60	36.49	24.53		1519.6							
	OBS	00200	17.22	36.45	24.59		1519.2							
	OBS	00250	17.12	36.45	24.61		1519.8							
	OBS	00300	17.03	36.45	24.64		1520.3							
	OBS	00400	16.70	36.37	24.65		1520.9							
	OBS	00500	15.75	36.17	24.72		1519.4							
	OBS	00600	14.25	35.92	24.86		1516.0							
	OBS	00700	13.12	35.73	24.95		1513.7							
	OBS	00800	11.88	35.56	27.07		1510.9							
	OBS	00900	09.61	35.29	27.26		1504.1							
	OBS	00985	07.98	35.21	27.46		1499.3							
	OBS	01000	08.04	35.26	27.49		1499.9							
	OBS	01018	08.21	35.33	27.52		1500.9							
	OBS	01100	06.67	35.15	27.60		1496.1							
	OBS	01142	06.26	35.13	27.64		1495.2							
	OBS	01165	06.36	35.17	27.66		1496.0							
	OBS	01200	05.87	35.11	27.68		1494.5							
	OBS	01280	05.39	35.12	27.72		1494.8							
	OBS	01300	05.16	35.06	27.73		1493.3							
	OBS	01340	05.12	35.07	27.74		1493.8							
	OBS	01400	04.80	35.04	27.75		1493.4							
	OBS	01435	04.57	35.01	27.75		1493.0							
	OBS	01500	04.63	35.04	27.77		1494.4							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 02926 AIR TEMP 28.3 OIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 09 SHIP AI WET BULB 23.9 30 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 07 DATA USE 1 BAROMETR 1017.9 SEA 3 WIND-FOR DURATION 00.8 2 SQUARE 48  
 LONG 048 51 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 005 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
06.2	08S	00050	17.07	36.47	26.64		1516.3							
	08S	00075	17.07	36.47	26.64		1516.8							
	08S	00100	17.00	36.45	26.64		1516.9							
	08S	00125	16.93	36.44	26.65		1517.1							
	08S	00150	16.87	36.42	26.65		1517.3							
	08S	00200	16.60	36.36	26.67		1517.3							
	08S	00250	16.30	36.31	26.70		1517.1							
	08S	00300	15.95	36.25	26.74		1516.8							
	08S	00400	14.54	35.96	26.83		1513.7							
	08S	00500	13.19	35.75	26.95		1510.6							
	08S	00600	11.50	35.50	27.09		1506.2							
	08S	00700	10.04	35.34	27.23		1502.5							
	08S	00800	07.76	35.19	27.48		1495.4							
	08S	00865	06.83	35.15	27.58		1492.8							
	08S	00900	07.46	35.33	27.63		1496.1							
	08S	01000	05.92	35.13	27.69		1491.4							
	08S	01055	05.12	35.04	27.71		1489.0							
	08S	01080	05.18	35.06	27.72		1489.7							
	08S	01100	05.02	35.04	27.73		1469.3							
	08S	01140	04.86	35.03	27.74		1469.3							
	08S	01200	04.99	35.09	27.77		1490.9							
	08S	01300	04.78	35.07	27.78		1491.7							
	08S	01400	04.59	35.05	27.78		1492.6							
	08S	01500	04.41	35.03	27.79		1493.5							

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REFID 31 8186 YEAR 1970 BOTDP 04206 AIR TEMP 25.6 OIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 09 SHIP AI WET BULB 21.1 30 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 13 N DAY 08 DATA USE 1 BAROMETR 1019.6 SEA 3 WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 30 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 006 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
00.0	08S	00000	25.80	36.40	24.17		1538.2							
	08S	00010	25.66	36.42	24.23		1538.1							
	08S	00020	24.83	36.41	24.4E		1538.3							
	08S	00030	22.24	36.42	25.25		1530.2							
	08S	00050	20.64	36.44	25.71		1526.4							
	08S	00075	18.24	36.49	26.37		1520.2							
	08S	00100	17.75	36.49	26.45		1519.2							
	08S	00125	17.46	36.47	26.55		1516.7							
	08S	00150	17.27	36.45	26.58		1516.6							
	08S	00170	17.14	36.45	26.61		1518.5							
	08S	00200	17.15	36.46	26.62		1518.0							
	08S	00250	17.09	36.45	26.62		1515.7							
	08S	00300	17.06	36.45	26.63		1520.4							
	08S	00400	16.78	36.38	26.74		1521.1							
	08S	00500	16.47	36.32	26.67		1521.8							
	08S	00600	15.89	36.21	26.72		1521.5							
	08S	00700	14.40	35.91	26.82		1518.1							
	08S	00800	12.90	35.67	26.95		1514.5							
	08S	00900	10.39	35.31	27.14		1507.0							
	08S	00950	08.91	35.16	27.28		1502.2							
	08S	01000	08.43	35.20	27.38		1501.3							
	08S	01100	07.00	35.12	27.53		1497.4							
	08S	01115	06.88	35.16	27.5E		1497.2							
	08S	01135	07.23	35.24	27.60		1499.0							
	08S	01200	05.90	35.07	27.64		1494.6							
	08S	01265	05.88	35.12	27.68		1495.7							
	08S	01300	05.79	35.12	27.70		1495.9							
	08S	01380	05.10	35.04	27.72		1494.3							
	08S	01400	05.19	35.06	27.72		1495.1							
	08S	01420	05.28	35.09	27.73		1495.8							
	08S	01500	05.14	35.08	27.74		1496.6							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BDTOP 03931 AIP TEMP 25.6 DIR HGT PER WIND-DIR 09 INST STO RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 09 SHIP A1 WET BULB 22.6 WIND-SPD 05 TRACE DIR D 5 SQUARE 4  
 LAT 35 13 N DAY 08 DATA USE 1 BARMETR 1019.3 SEA WIND-FGR DURATION 00.7 2 SQUARE 48  
 LONG 048 12 W HOUR 06.3 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E46 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
06.3	DBS	00000	25.91	36.21	23.95		1538.3							
	DBS	00010	25.90	36.22	24.01		1536.4							
	DBS	00020	24.58	36.22	24.41		1535.5							
	DBS	00030	23.28	36.40	24.93		1532.8							
	DBS	00050	20.78	36.43	25.66		1526.7							
	DBS	00075	18.11	36.49	26.40		1519.6							
	DBS	00100	17.62	36.48	26.52		1516.8							
	DBS	00125	17.31	36.46	26.58		1518.3							
	DBS	00150	17.15	36.45	26.61		1518.2							
	DBS	00200	17.08	36.45	26.62		1518.8							
	DBS	00250	17.05	36.45	26.63		1519.5							
	DBS	00300	16.99	36.44	26.64		1520.2							
	DBS	00400	16.67	36.37	26.66		1520.8							
	DBS	00500	16.31	36.30	26.69		1521.3							
	DBS	00600	15.47	36.13	26.75		1520.1							
	DBS	00700	13.92	35.87	26.89		1516.5							
	DBS	00800	12.25	35.58	27.01		1512.2							
	DBS	00900	10.22	35.37	27.22		1506.5							
	DBS	01000	08.22	35.20	27.42		1500.5							
	DBS	01100	06.66	35.15	27.60		1496.1							
	DBS	01200	06.04	35.12	27.66		1495.2							
	DBS	01300	05.22	35.05	27.71		1493.5							
	DBS	01400	04.94	35.05	27.74		1494.0							
	DBS	01500	04.77	35.04	27.75		1495.0							

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REFID 31 8186 YEAR 1970 BDTOP 04755 AIP TEMP 26.7 DIR HGT PER WIND-DIR 10 INST STO RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 09 SHIP A1 WET BULB 22.2 WIND-SPD 04 TRACE DIR D 5 SQUARE 2  
 LAT 34 54 N DAY 09 DATA USE 1 BARMETR 1023.4 SEA WIND-FGR DURATION 00.4 2 SQUARE 46  
 LONG 047 51 W HOUR 06.2 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E46 008 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
06.2	DBS	00000	26.07	36.16	23.91		1538.6							
	DBS	00010	25.82	36.16	23.99		1538.2							
	DBS	00020	24.58	36.25	24.43		1535.6							
	DBS	00030	23.52	36.33	24.81		1533.3							
	DBS	00050	21.24	36.42	25.53		1527.9							
	DBS	00075	18.91	36.49	26.20		1522.1							
	DBS	00100	18.23	36.50	26.38		1520.6							
	DBS	00125	18.01	36.50	26.44		1520.4							
	DBS	00150	17.53	36.47	26.53		1519.3							
	DBS	00200	17.16	36.44	26.60		1519.0							
	DBS	00250	17.10	36.45	26.62		1519.7							
	DBS	00300	17.01	36.44	26.63		1520.2							
	DBS	00400	16.49	36.31	26.66		1520.2							
	DBS	00500	15.42	36.10	26.74		1518.3							
	DBS	00600	14.00	35.84	26.85		1515.1							
	DBS	00610	13.87	35.84	26.88		1514.8							
	DBS	00625	13.97	35.88	26.89		1515.4							
	DBS	00700	12.72	35.67	26.99		1512.3							
	DBS	00800	10.79	35.38	27.13		1506.9							
	DBS	00900	08.93	35.24	27.34		1501.6							
	DBS	01000	07.18	35.14	27.52		1496.4							
	DBS	01100	05.66	35.03	27.64		1491.9							
	DBS	01160	05.29	35.03	27.69		1491.4							
	DBS	01180	05.38	35.07	27.71		1492.2							
	DBS	01200	05.10	35.02	27.70		1491.3							
	DBS	01300	04.85	35.04	27.75		1492.0							
	DBS	01400	04.51	34.99	27.74		1492.2							
	DBS	01500	04.26	34.98	27.76		1492.8							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04846 AIR TEMP 25.0 OIR HGT PER WIND-DIR 11 INST STO RECDRDER TFN SQ 1206  
 CONSEC 0009 MONTH 09 SHIP A1 WET BULB 21.1 13 0 2 WIND-SPO 05 TRACE DIP 0 5 SQUARE 2  
 LAT 34 47 N DAY 09 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 46 W HOUR 12.1 AREA 05 CLOUD T/A CL/T/ WEATHER X1 ORIG E46 009 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	25.96	36.08	23.88		1538.3							
	OBS	00010	25.91	36.07	24.89		1538.3							
	OBS	00020	25.73	36.08	24.95		1538.1							
	OBS	00030	24.23	36.23	24.52		1534.9							
	OBS	00050	21.08	36.31	25.49		1527.4							
	OBS	00075	19.13	36.45	26.11		1522.7							
	OBS	00100	18.05	36.47	26.40		1520.0							
	OBS	00125	17.73	36.50	26.50		1519.6							
	OBS	00150	17.51	36.48	26.54		1519.3							
	OBS	00200	17.20	36.44	26.59		1519.2							
	OBS	00250	17.06	36.46	26.62		1519.6							
	OBS	00300	17.01	36.43	26.63		1520.2							
	OBS	00400	16.55	36.32	26.65		1520.4							
	OBS	00500	15.41	36.11	26.75		1518.2							
	OBS	00600	13.95	35.85	26.87		1514.9							
	OBS	00609	13.99	35.90	26.90		1515.3							
	OBS	00700	12.91	35.69	26.96		1512.9							
	OBS	00800	10.42	35.34	27.16		1505.5							
	OBS	00900	08.79	35.23	27.35		1501.0							
	OBS	01000	07.15	35.14	27.53		1496.3							
	OBS	01046	06.05	35.03	27.59		1492.6							
	OBS	01100	05.59	35.03	27.65		1491.6							
	OBS	01190	05.22	35.03	27.65		1491.6							
	OBS	01200	05.30	35.07	27.72		1492.2							
	OBS	01300	04.91	35.03	27.73		1492.2							
	OBS	01400	04.64	35.03	27.76		1492.8							
	OBS	01500	04.23	34.98	27.77		1492.7							

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REFID 31 8186 YEAR 1970 BOTOP 04755 AIR TEMP 26.2 OIR HGT PER WIND-DIR 08 INST STO RECDRDER TFN SQ 1206  
 CONSEC 0010 MONTH 09 SHIP A1 WET BULB 22.8 13 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 09 DATA USE 1 BAROMETR 1024.7 SEA 2 WIND-FOR DURATION 00.6 2 SQUARE 46  
 LONG 047 49 W HOUR 18.5 AREA 05 CLOUD T/A CL/T/ WEATHER X1 ORIG E46 010 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.5	OBS	00000	26.03	36.06	23.84		1538.4							
	OBS	00010	25.74	36.15	24.00		1538.0							
	OBS	00020	24.79	36.20	24.33		1536.0							
	OBS	00050	20.03	36.43	25.86		1524.7							
	OBS	00075	18.69	36.49	26.26		1521.5							
	OBS	00100	17.96	36.47	26.42		1519.8							
	OBS	00125	17.64	36.47	26.50		1519.3							
	OBS	00150	17.45	36.47	26.55		1519.1							
	OBS	00200	17.18	36.44	26.59		1519.1							
	OBS	00250	17.08	36.45	26.62		1519.6							
	OBS	00300	17.01	36.44	26.63		1520.2							
	OBS	00400	16.58	36.35	26.67		1520.5							
	OBS	00500	15.49	36.13	26.75		1518.5							
	OBS	00600	14.17	35.90	26.86		1515.7							
	OBS	00700	12.62	35.69	27.02		1511.9							
	OBS	00800	10.32	35.37	27.20		1505.2							
	OBS	00900	08.74	35.26	27.38		1500.9							
	OBS	01000	07.10	35.18	27.57		1496.2							
	OBS	01100	05.54	35.04	27.66		1491.4							
	OBS	01200	05.27	35.08	27.73		1492.1							
	OBS	01300	04.77	35.05	27.76		1491.7							
	OBS	01400	04.57	35.05	27.79		1492.5							
	OBS	01500	04.38	35.04	27.80		1493.4							
	OBS	01550	04.14	35.01	27.80		1493.2							
	OBS	01600	04.24	35.03	27.81		1494.5							
	OBS	01750	04.02	35.02	27.82		1496.1							
	OBS	02000	03.86	35.01	27.83		1499.6							
	OBS	02500	03.39	35.00	27.87		1506.2							
	OBS	03000	02.94	34.96	27.88		1512.8							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BUOTP 04755 AIR TEMP 26.1 DIP HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 09 SHIP AI WET BULB 22.8 14 0 2 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 10 DATA USE 1 BAROMETR 1025.4 SEA WIND-FJR DURATION 00.3 2 SQUARE 46  
 LONG 047 49 W HOUR 00.2 AREA 05 CLOUD 1/4 CL/TR WEATHER XI ORIG E46 011 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	PH
03.1	OBS	00000	26.15	36.09	23.83		1538.7							
	OBS	00010	25.90	36.06	23.88		1538.3							
	OBS	00020	25.82	36.09	23.93		1538.3							
	OBS	00030	25.24	36.12	24.13		1537.1							
	OBS	00050	21.24	36.33	25.46		1527.8							
	OBS	00075	19.09	36.47	26.14		1522.6							
	OBS	00100	18.25	36.48	26.36		1520.6							
	OBS	00125	17.85	36.51	26.48		1519.9							
	OBS	00150	17.69	36.47	26.49		1519.8							
	OBS	00200	17.22	36.44	26.58		1519.2							
	OBS	00250	17.12	36.45	26.61		1519.8							
	OBS	00300	17.07	36.44	26.62		1520.4							
	OBS	00400	16.58	36.33	26.65		1520.5							
	OBS	00500	15.58	36.14	26.74		1518.8							
	OBS	00600	14.45	35.97	26.86		1516.7							
	OBS	00700	12.40	35.61	27.00		1511.1							
	OBS	00800	10.53	35.35	27.15		1507.9							
	OBS	00900	08.01	35.20	27.36		1500.3							
	OBS	01000	06.92	35.11	27.54		1495.4							
	OBS	01045	05.95	35.04	27.61		1492.2							
	OBS	01100	05.66	35.04	27.65		1491.9							
	OBS	01160	05.13	35.01	27.69		1490.7							
	OBS	01200	05.20	35.05	27.71		1491.7							
	OBS	01300	04.72	35.00	27.73		1491.4							
	OBS	01340	04.74	35.03	27.75		1492.2							
	OBS	01400	04.57	35.02	27.76		1492.5							
	OBS	01500	04.33	35.00	27.77		1493.1							

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REFID 31 8186 YEAR 1970 BUOTP 04846 AIR TEMP 25.6 DIP HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 09 SHIP AI WET BULB 23.3 14 1 3 WIND-SPD 03 TRACE DIR 0 5 SQUARE 4  
 LAT 35 51 N DAY 10 DATA USE 1 BAROMETR 1023.4 SEA WIND-FJR DURATION 00.8 2 SQUARE 46  
 LONG 047 47 W HOUR 06.2 AREA 05 CLOUD 1/4 CL/TR WEATHER XI ORIG E46 012 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI33	PH
06.2	OBS	00000	25.89	36.11	23.93		1538.1							
	OBS	00010	25.72	36.12	23.95		1537.9							
	OBS	00020	25.60	36.16	24.05		1537.8							
	OBS	00030	24.99	36.20	24.27		1536.6							
	OBS	00050	21.39	36.49	25.54		1528.4							
	OBS	00075	19.49	36.49	26.05		1523.7							
	OBS	00100	18.57	36.54	26.33		1521.6							
	OBS	00125	18.12	36.53	26.43		1520.7							
	OBS	00150	17.84	36.51	26.48		1520.3							
	OBS	00200	17.34	36.46	26.57		1519.6							
	OBS	00250	17.12	36.44	26.61		1519.7							
	OBS	00300	17.01	36.43	26.63		1520.2							
	OBS	00400	16.49	36.32	26.67		1520.2							
	OBS	00500	15.29	36.08	26.78		1517.6							
	OBS	00600	13.73	35.80	26.88		1514.1							
	OBS	00700	11.80	35.49	27.03		1508.9							
	OBS	00800	10.14	35.32	27.20		1504.5							
	OBS	00900	08.25	35.17	27.39		1498.9							
	OBS	01000	06.28	35.02	27.55		1492.7							
	OBS	01060	05.57	35.01	27.64		1490.9							
	OBS	01080	05.70	35.07	27.67		1491.8							
	OBS	01100	05.50	35.05	27.68		1491.3							
	OBS	01200	04.89	35.01	27.72		1490.4							
	OBS	01300	04.44	34.99	27.75		1490.2							
	OBS	01400	04.35	34.99	27.76		1491.5							
	OBS	01490	04.32	34.99	27.77		1492.9							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04938 AIR TEMP 26.1 DIF HGT PER WIND-DIR 15 INST STO RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 09 SHIP A1 WET BULB 22.8 17 0 3 WIND-SPD 03 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 10 DATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 07 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 013 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	25.84	36.24	24.04		1538.2							
	OBS	00010	25.74	36.26	24.09		1538.1							
	OBS	00020	23.74	36.12	24.59		1533.4							
	OBS	00030	21.99	36.42	25.32		1529.5							
	OBS	00050	19.68	36.43	25.95		1523.8							
	OBS	00075	18.34	36.48	26.34		1520.5							
	OBS	00100	17.85	36.49	26.47		1519.5							
	OBS	00125	17.52	36.48	26.54		1518.9							
	OBS	00150	17.31	36.46	26.58		1518.7							
	OBS	00200	17.12	36.46	26.62		1518.9							
	OBS	00250	17.10	36.46	26.63		1519.7							
	OBS	00300	17.04	36.44	26.63		1520.3							
	OBS	00400	16.64	36.36	26.66		1520.7							
	OBS	00500	15.97	36.24	26.73		1520.1							
	OBS	00600	14.66	35.96	26.80		1517.3							
	OBS	00700	13.25	35.76	26.95		1514.1							
	OBS	00800	11.54	35.51	27.09		1509.7							
	OBS	00900	09.34	35.27	27.29		1503.1							
	OBS	01000	07.65	35.19	27.50		1498.3							
	OBS	01100	06.26	35.11	27.63		1494.4							
	OBS	01200	05.62	35.09	27.69		1493.5							
	OBS	01300	04.98	35.03	27.72		1492.5							
	OBS	01320	04.79	35.01	27.73		1492.0							
	OBS	01350	04.92	35.05	27.75		1493.1							
	OBS	01400	04.79	35.04	27.75		1493.4							
	OBS	01500	04.65	35.03	27.76		1494.5							

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REFID 31 8186 YEAR 1970 BOTDP 04387 AIR TEMP 25.0 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 09 SHIP A1 WET BULB 22.2 20 0 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 11 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 014 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	26.66	36.24	23.78		1540.0							
	OBS	00010	25.98	36.23	23.99		1538.6							
	OBS	00020	25.83	36.22	24.03		1538.4							
	OBS	00030	22.83	36.34	25.02		1531.6							
	OBS	00050	20.73	36.40	25.65		1526.6							
	OBS	00075	19.03	36.48	26.16		1522.4							
	OBS	00100	18.22	36.50	26.38		1520.6							
	OBS	00125	17.80	36.51	26.49		1519.8							
	OBS	00150	17.60	36.49	26.53		1519.6							
	OBS	00200	17.25	36.45	26.58		1519.3							
	OBS	00250	17.11	36.45	26.62		1519.7							
	OBS	00300	17.05	36.45	26.63		1520.4							
	OBS	00400	16.44	36.31	26.67		1520.0							
	OBS	00500	15.74	36.18	26.73		1519.4							
	OBS	00600	14.57	35.97	26.83		1517.1							
	OBS	00700	13.04	35.73	26.97		1513.4							
	OBS	00800	11.55	35.52	27.10		1509.7							
	OBS	00900	09.46	35.27	27.27		1503.6							
	OBS	00925	09.11	35.25	27.32		1502.7							
	OBS	00930	09.24	35.32	27.35		1503.3							
	OBS	01000	08.11	35.23	27.46		1500.1							
	OBS	01100	06.18	35.07	27.61		1494.1							
	OBS	01200	05.60	35.08	27.69		1493.4							
	OBS	01230	05.58	35.12	27.72		1493.9							
	OBS	01300	05.14	35.08	27.74		1493.2							
	OBS	01400	04.86	35.07	27.77		1493.7							
	OBS	01500	04.62	35.04	27.77		1494.4							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1971 BOTOP 03840 AIR TEMP 25.4 OIR HGT PER 410-01R INST T RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 09 SHIP A1 WET BUL 24.4 OIR SPO 25 3 2 410-01P TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR 410-01R DURATION 00.3 2 SQUARE 46  
 LONG 047 54 W HOUR 06.1 AREA 05 CLOUD T/A CL/TP WEATHER 11 ORIG 046 015 1 SQUARE 57

CASING/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
06.1	BS	0000	26.16	36.19	23.90		1538.8							
	BS	00010	26.09	36.19	23.92		1538.8							
	BS	00020	25.58	36.26	24.14		1537.9							
	BS	00040	20.58	36.35	25.65		1526.1							
	BS	00075	18.73	36.48	26.24		1521.6							
	BS	00100	18.26	36.52	26.31		1520.7							
	BS	00150	17.86	36.51	26.48		1519.9							
	BS	00150	17.63	36.48	26.51		1519.7							
	BS	00200	17.22	36.44	26.56		1518.2							
	BS	00250	17.14	36.46	26.62		1518.8							
	BS	00300	17.09	36.45	26.62		1520.5							
	BS	00400	16.74	36.37	26.64		1521.0							
	BS	00450	16.44	36.31	26.67		1520.8							
	BS	00500	16.84	36.20	26.72		1519.7							
	BS	00600	14.57	35.96	26.82		1517.1							
	BS	00700	13.49	35.79	26.82		1515.0							
	BS	00800	11.50	35.50	27.19		1509.5							
	BS	00900	09.53	35.28	27.27		1503.8							
	BS	01000	07.47	35.12	27.47		1497.5							
	BS	01100	07.31	35.12	27.44		1497.1							
	BS	01200	07.38	35.16	27.51		1497.6							
	BS	01100	06.24	35.09	27.60		1494.5							
	BS	01200	05.54	35.07	27.65		1493.2							
	BS	01300	05.19	35.07	27.73		1493.4							
	BS	01400	04.84	35.06	27.76		1493.6							
	BS	01450	04.69	35.03	27.76		1493.5							
	BS	01500	04.64	35.03	27.76		1494.5							

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REFID 31 8186 YEAR 1971 BOTOP 04206 AIR TEMP 28.6 OIR HGT PER 410-01R INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 09 SHIP A1 WET BUL 23.9 OIR SPO 16 410-01P TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 11 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR 410-01R DURATION 01.0 2 SQUARE 48  
 LONG 048 12 W HOUR 18.5 AREA 05 CLOUD T/A CL/TP WEATHER 05 ORIG 046 016 1 SQUARE 58

CASING/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.5	BS	0000	26.51	36.14	24.75		1539.6							
	BS	00010	26.05	36.20	25.94		1538.8							
	BS	00020	25.73	36.16	24.01		1538.1							
	BS	00050	19.77	36.46	25.95		1524.0							
	BS	00075	18.36	36.48	26.33		1520.6							
	BS	00100	17.90	36.49	26.45		1519.6							
	BS	00150	17.40	36.44	26.53		1519.2							
	BS	00150	17.42	36.47	26.56		1519.0							
	BS	00200	17.13	36.45	26.61		1519.0							
	BS	00250	17.06	36.45	26.62		1519.6							
	BS	00300	17.03	36.45	26.64		1520.3							
	BS	00400	16.66	36.37	26.66		1520.8							
	BS	00500	16.02	36.25	26.72		1520.3							
	BS	00600	14.49	35.96	26.84		1516.8							
	BS	00700	13.13	35.71	26.93		1513.7							
	BS	00800	11.00	35.46	27.15		1507.7							
	BS	00900	09.03	35.24	27.32		1501.9							
	BS	01000	07.61	35.18	27.49		1498.1							
	BS	01000	06.94	35.13	27.55		1496.0							
	BS	01060	07.14	35.23	27.60		1497.4							
	BS	01100	06.81	35.21	27.63		1496.7							
	BS	01200	05.62	35.11	27.71		1493.5							
	BS	01250	05.51	35.12	27.73		1493.6							
	BS	01260	05.64	35.16	27.75		1494.7							
	BS	01300	05.43	35.14	27.76		1494.5							
	BS	01400	04.87	35.08	27.78		1493.8							
	BS	01500	04.67	35.07	27.79		1494.6							
	BS	01700	04.23	35.04	27.81		1497.0							
	BS	02000	03.88	35.01	27.83		1494.7							
	BS	01200	03.89	35.03	27.84		1501.8							
	BS	02500	03.37	34.98	27.86		1506.1							
	BS	03000	02.92	34.95	27.87		1512.7							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 02195 AIR TEMP 25.6 DIP HGT PER WIND-OIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 09 SHIP A1 WET BULB 21.7 16 0 3 WIND-SPD 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 12 DATA USE 1 BAROMETER 1022.0 SEA WIND-FDR DURATION 00.2 2 SQUARE 48  
 LONG 048 04 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 WFAIR E46 017 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TCT P	NO2	NO3	S1J3	PH
00.2	OBS	00000	26.28	36.12	23.81		1539.0							
	OBS	00010	25.98	36.21	23.97		1538.6							
	OBS	00020	24.98	36.15	24.24		1536.4							
	OBS	00030	22.73	36.28	25.00		1531.3							
	OBS	00050	20.78	36.49	25.71		1526.8							
	OBS	00075	19.43	36.51	26.08		1523.6							
	OBS	00100	18.48	36.49	26.31		1521.3							
	OBS	00125	17.83	36.48	26.46		1519.8							
	OBS	00150	17.48	36.47	26.54		1519.2							
	OBS	00200	17.16	36.45	26.61		1519.1							
	OBS	00250	17.10	36.46	26.63		1519.7							
	OBS	00300	17.04	36.44	26.63		1520.3							
	OBS	00400	16.79	36.38	26.64		1521.2							
	OBS	00500	16.09	36.23	26.69		1520.5							
	OBS	00530	15.88	36.22	26.73		1520.3							
	OBS	00600	14.69	35.96	26.80		1517.4							
	OBS	00700	13.34	35.75	26.92		1514.4							
	OBS	00800	11.73	35.55	27.09		1510.4							
	OBS	00900	09.73	35.31	27.26		1504.6							
	OBS	01000	07.85	35.15	27.43		1499.0							
	OBS	01025	07.37	35.08	27.45		1497.5							
	OBS	01040	07.75	35.14	27.44		1499.3							
	OBS	01075	07.53	35.12	27.46		1499.0							
	OBS	01100	06.86	35.10	27.56		1496.0							
	OBS	01200	05.72	35.07	27.66		1493.9							
	OBS	01300	05.24	35.08	27.73		1493.6							
	OBS	01355	05.15	35.08	27.74		1494.2							
	OBS	01400	04.89	35.05	27.75		1493.8							
	OBS	01500	04.69	35.05	27.77		1494.7							

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REFID 31 8186 YEAR 1970 BOTOP 02560 AIR TEMP 25.2 DIP HGT PER WIND-OIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0018 MONTH 09 SHIP A1 WET BULB 22.6 14 1 3 WIND-SPD 03 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 12 DATA USE 1 BAROMETER 1020.7 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 WFAIR E46 018 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TCT P	NO2	NO3	S1J3	PH
06.0	OBS	00000	26.29	36.19	23.86		1539.1							
	OBS	00010	26.02	36.17	23.93		1538.7							
	OBS	00020	25.98	36.20	23.97		1538.8							
	OBS	00030	24.10	36.22	24.55		1534.5							
	OBS	00050	20.78	36.46	25.68		1526.8							
	OBS	00075	19.03	36.50	26.18		1522.4							
	OBS	00100	18.01	36.50	26.44		1520.0							
	OBS	00125	17.78	36.50	26.49		1519.7							
	OBS	00150	17.50	36.48	26.55		1519.3							
	OBS	00200	17.12	36.44	26.61		1518.9							
	OBS	00250	17.09	36.45	26.62		1519.7							
	OBS	00300	17.02	36.43	26.62		1520.3							
	OBS	00400	16.65	36.35	26.65		1520.7							
	OBS	00500	15.95	36.22	26.71		1520.1							
	OBS	00600	14.48	35.94	26.83		1516.7							
	OBS	00700	13.00	35.71	26.96		1513.3							
	OBS	00800	11.26	35.47	27.11		1508.6							
	OBS	00900	08.85	35.22	27.33		1501.2							
	OBS	00950	08.12	35.22	27.45		1499.3							
	OBS	00960	08.27	35.24	27.44		1500.1							
	OBS	01000	07.90	35.28	27.53		1499.4							
	OBS	01040	07.22	35.18	27.55		1497.3							
	OBS	01070	07.14	35.20	27.58		1497.5							
	OBS	01100	06.34	35.09	27.60		1494.7							
	OBS	01200	05.51	35.07	27.69		1493.0							
	OBS	01240	05.19	35.08	27.74		1492.4							
	OBS	01300	05.08	35.07	27.74		1493.0							
	OBS	01400	04.77	35.04	27.75		1493.3							
	OBS	01440	04.60	35.03	27.77		1493.3							
	OBS	01500	04.58	35.04	27.78		1494.2							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 02377 AIR TEMP 26.1 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 09 SHIP A1 WET BULB 22.2 14 1 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR OURATION 00.3 2 SQUARE 48  
 LONG 046 00 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 019 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
12.1	08S	00000	26.22	36.16	23.76		1538.9							
	08S	00010	26.18	36.16	23.87		1539.0							
	08S	00020	25.87	36.09	23.92		1538.4							
	08S	00030	24.47	36.25	24.47		1535.5							
	08S	00050	20.67	36.47	25.67		1527.0							
	08S	00075	19.17	36.47	26.12		1522.8							
	08S	00100	18.17	36.50	26.40		1520.4							
	08S	00125	17.84	36.49	26.47		1519.9							
	08S	00150	17.57	36.48	26.53		1519.5							
	08S	00200	17.13	36.43	26.60		1518.9							
	08S	00250	17.06	36.45	26.63		1519.6							
	08S	00300	16.99	36.43	26.63		1520.2							
	08S	00400	16.48	36.30	26.65		1520.1							
	08S	00500	15.54	36.11	26.72		1518.7							
	08S	00600	14.10	35.87	26.66		1515.4							
	08S	00645	13.76	35.83	26.90		1515.0							
	08S	00700	12.97	35.67	26.64		1513.1							
	08S	00800	11.35	35.44	27.07		1508.9							
	08S	00900	09.41	35.32	27.32		1503.4							
	08S	01000	08.10	35.23	27.46		1500.1							
	08S	01075	06.94	35.13	27.55		1496.7							
	08S	01090	07.06	35.19	27.58		1497.5							
	08S	01100	06.83	35.14	27.57		1496.7							
	08S	01200	05.62	35.07	27.68		1493.5							
	08S	01300	05.15	35.06	27.73		1493.2							
	08S	01385	05.11	35.08	27.75		1494.5							
	08S	01400	04.98	35.06	27.75		1494.2							
	08S	01500	04.62	35.03	27.76		1494.4							

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REFID 31 8186 YEAR 1970 BOTOP 02470 AIR TEMP 27.2 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 09 SHIP A1 WET BULB 23.3 12 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 12 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR OURATION 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 020 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIO3	PH
18.1	08S	00000	26.70	36.10	23.66		1539.9							
	08S	00010	25.93	36.09	23.90		1538.4							
	08S	00020	25.90	36.13	23.94		1538.5							
	08S	00030	24.30	36.22	24.49		1535.0							
	08S	00050	21.24	36.40	25.51		1527.9							
	08S	00075	19.40	36.48	26.07		1523.5							
	08S	00100	18.38	36.48	26.33		1521.0							
	08S	00125	17.94	36.52	26.47		1520.2							
	08S	00150	17.63	36.50	26.53		1519.7							
	08S	00200	17.18	36.44	26.59		1519.1							
	08S	00250	17.05	36.44	26.62		1519.5							
	08S	00300	17.02	36.44	26.63		1520.3							
	08S	00400	16.53	36.33	26.66		1520.3							
	08S	00500	15.64	36.16	26.74		1519.0							
	08S	00600	14.26	35.91	26.85		1516.0							
	08S	00700	12.94	35.70	26.96		1513.0							
	08S	00800	10.90	35.38	27.11		1507.3							
	08S	00900	09.32	35.31	27.33		1503.1							
	08S	01000	08.04	35.25	27.48		1499.9							
	08S	01048	06.80	35.09	27.54		1495.7							
	08S	01100	06.16	35.09	27.62		1494.0							
	08S	01200	05.96	35.09	27.70		1493.2							
	08S	01220	05.55	35.11	27.72		1493.6							
	08S	01300	05.24	35.10	27.75		1493.6							
	08S	01400	04.75	35.04	27.76		1493.2							
	08S	01500	04.49	35.03	27.78		1493.8							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 02560 AIR TEMP 27.2 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0021 MONTH 09 SHIP A1 WET BULB 22.2 13 WIND-SPD 03 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 13 DATA USE 1 BAROMETR 1022.7 SEA 3 WIND-FJR DURATION 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 00.0 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E46 021 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.0	08S	00000	26.23	36.10	23.81		1538.9							
	08S	00010	26.17	36.17	23.88		1539.0							
	08S	00020	26.04	36.22	23.96		1538.9							
	08S	00030	24.48	36.13	24.37		1535.4							
	08S	00050	21.00	36.32	25.52		1527.2							
	08S	00075	19.03	36.46	26.15		1522.4							
	08S	00100	18.34	36.47	26.33		1520.9							
	08S	00125	17.52	36.51	26.47		1520.1							
	08S	00150	17.63	36.48	26.51		1519.6							
	08S	00200	17.25	36.44	26.58		1519.3							
	08S	00250	17.10	36.44	26.61		1519.7							
	08S	00300	16.99	36.43	26.63		1520.2							
	08S	00400	16.46	36.30	26.66		1520.1							
	08S	00500	15.74	36.19	26.74		1519.4							
	08S	00600	14.34	35.94	26.86		1516.3							
	08S	00700	13.14	35.74	26.96		1513.8							
	08S	00800	10.96	35.41	27.12		1507.5							
	08S	00900	09.42	35.29	27.30		1503.4							
	08S	00970	08.41	35.22	27.40		1500.7							
	08S	00985	08.64	35.32	27.45		1502.0							
	08S	01000	08.17	35.22	27.44		1500.3							
	08S	01100	06.41	35.07	27.58		1495.0							
	08S	01160	05.61	35.04	27.65		1492.7							
	08S	01200	05.60	35.09	27.70		1493.4							
	08S	01233	05.64	35.12	27.71		1494.2							
	08S	01300	05.19	35.07	27.73		1493.4							
	08S	01400	04.83	35.05	27.76		1493.6							
	08S	01500	04.64	35.04	27.77		1494.5							

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REFID 31 8186 YEAR 1970 BOTOP 01646 AIR TEMP 25.4 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206  
 CONSEC 0022 MONTH 09 SHIP A1 WET BULB 22.2 13 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 13 DATA USE 1 BAROMETR 1022.7 SEA 2 WIND-FJR DURATION 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 05.9 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E46 022 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
05.9	08S	00000	26.23	36.20	23.89		1539.0							
	08S	00010	26.09	36.19	23.92		1538.8							
	08S	00020	25.24	36.20	24.19		1537.1							
	08S	00030	23.34	36.27	24.82		1532.8							
	08S	00050	21.24	36.41	25.52		1527.9							
	08S	00075	19.09	36.45	26.12		1522.6							
	08S	00100	18.24	36.49	26.37		1520.6							
	08S	00125	17.89	36.49	26.46		1520.0							
	08S	00150	17.64	36.48	26.51		1519.7							
	08S	00200	17.22	36.44	26.58		1519.2							
	08S	00250	17.06	36.44	26.62		1519.6							
	08S	00300	16.94	36.41	26.63		1520.0							
	08S	00400	16.42	36.30	26.67		1519.9							
	08S	00500	15.63	36.17	26.75		1519.0							
	08S	00600	14.09	35.88	26.87		1515.4							
	08S	00700	12.80	35.69	26.99		1512.6							
	08S	00800	10.85	35.43	27.16		1507.1							
	08S	00900	09.12	35.29	27.35		1502.3							
	08S	00940	08.42	35.21	27.39		1500.3							
	08S	00965	08.66	35.34	27.46		1501.8							
	08S	01000	08.40	35.31	27.48		1501.3							
	08S	01100	06.06	35.07	27.62		1493.6							
	08S	01165	05.58	35.07	27.68		1492.7							
	08S	01200	05.58	35.11	27.71		1493.4							
	08S	01300	05.14	35.07	27.74		1493.2							
	08S	01400	04.87	35.05	27.75		1493.7							
	08S	01500	04.61	35.03	27.77		1494.3							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04206 AIR TEMP 29.4 OIR HGT PER WIND-OIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 09 SHIP A1 WET BULB 24.4 WIND-SPO 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 14 DATA USE 1 BAROMETR 1023.6 SEA WIND-FOR 00.7 2 SQUARE 48  
 LONG 048 02 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 023 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
18.5	085	00000	26.52	36.17	23.77		1539.6							
	085	00010	26.51	36.16	23.77		1539.8							
	085	00020	26.16	36.16	23.88		1539.1							
	085	00030	26.12	36.15	23.88		1539.2							
	085	00075	20.10	36.41	25.63		1525.3							
	085	00100	18.24	36.50	26.38		1520.6							
	085	00125	17.81	36.49	26.48		1519.8							
	085	00150	17.56	36.48	26.53		1519.4							
	085	00200	17.16	36.45	26.61		1519.1							
	085	00250	17.10	36.46	26.63		1519.7							
	085	00300	17.04	36.45	26.63		1520.3							
	085	00400	16.61	36.35	26.66		1520.6							
	085	00500	15.88	36.21	26.72		1519.8							
	085	00600	14.17	35.90	26.96		1515.7							
	085	00700	12.84	35.69	26.98		1512.7							
	085	00800	10.94	35.46	27.16		1507.5							
	085	00900	08.89	35.27	27.37		1501.5							
	085	01000	07.73	35.17	27.47		1498.6							
	085	01100	06.10	35.09	27.63		1493.8							
	085	01200	05.61	35.11	27.71		1493.5							
	085	01300	04.87	35.07	27.77		1492.1							
	085	01400	04.68	35.07	27.76		1493.0							
	085	01500	04.24	35.02	27.80		1492.8							
	085	01750	04.01	35.01	27.81		1496.0							
	085	02000	03.83	35.00	27.83		1499.5							
	085	02500	03.42	34.99	27.86		1506.3							
	085	03000	02.92	34.96	27.88		1512.8							

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REFID 31 8186 YEAR 1970 BOTOP 04110 AIR TEMP 27.8 OIR HGT PER WIND-OIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 09 SHIP A1 WET BULB 22.6 WIND-SPO 04 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1023.6 SEA WIND-FOR 00.3 2 SQUARE 48  
 LONG 048 01 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 024 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
00.0	085	00000	26.37	36.14	23.80		1539.2							
	085	00010	26.19	36.17	23.88		1539.0							
	085	00020	26.23	36.24	23.92		1539.4							
	085	00030	25.98	36.27	24.02		1539.0							
	085	00050	22.13	36.31	25.19		1530.1							
	085	00075	18.59	36.47	26.27		1521.2							
	085	00100	17.99	36.47	26.42		1519.9							
	085	00125	17.76	36.49	26.49		1519.6							
	085	00150	17.55	36.48	26.53		1519.4							
	085	00200	17.17	36.44	26.60		1519.1							
	085	00250	17.13	36.45	26.61		1519.8							
	085	00300	17.05	36.44	26.62		1520.4							
	085	00400	16.68	36.36	26.65		1520.8							
	085	00500	15.81	36.18	26.72		1519.6							
	085	00600	14.13	35.89	26.86		1515.5							
	085	00700	12.50	35.65	27.01		1511.5							
	085	00800	10.70	35.41	27.17		1506.6							
	085	00900	08.78	35.22	27.35		1501.0							
	085	01000	06.84	35.08	27.52		1495.0							
	085	01100	05.89	35.08	27.65		1492.9							
	085	01188	05.51	35.08	27.70		1492.8							
	085	01200	05.26	35.04	27.70		1492.0							
	085	01235	05.19	35.05	27.71		1492.3							
	085	01255	04.87	35.01	27.72		1491.3							
	085	01300	04.89	35.05	27.75		1492.2							
	085	01400	04.65	35.04	27.77		1492.8							
	085	01460	04.33	35.01	27.78		1492.5							
	085	01500	04.33	35.01	27.78		1493.1							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BDTDP 04206 AIR TEMP 25.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 09 SHIP A1 WET BULB 22.2 12 1 3 WIND-SPO 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1022.7 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 01 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 025 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	26.42	36.24	23.86		1539.5							
	OBS	00010	26.16	36.23	23.93		1539.0							
	OBS	00020	26.06	36.26	23.99		1539.0							
	OBS	00030	25.86	36.25	24.04		1538.7							
	OBS	00050	20.49	36.37	25.65		1525.9							
	OBS	00075	18.59	36.46	26.26		1521.2							
	OBS	00100	17.87	36.49	26.46		1519.5							
	OBS	00125	17.71	36.49	26.50		1519.5							
	OBS	00150	17.53	36.48	26.54		1519.4							
	OBS	00200	17.17	36.44	26.60		1519.1							
	OBS	00250	17.12	36.45	26.61		1519.8							
	OBS	00300	17.06	36.44	26.62		1520.4							
	OBS	00350	16.97	36.42	26.63		1520.9							
	OBS	00400	16.68	36.35	26.64		1520.8							
	OBS	00500	15.63	36.16	26.74		1519.0							
	OBS	00600	14.01	35.88	26.88		1515.1							
	OBS	00700	12.31	35.61	27.02		1510.8							
	OBS	00800	10.23	35.33	27.15		1504.8							
	OBS	00900	08.65	35.20	27.35		1500.5							
	OBS	01000	06.59	35.24 P	27.680									
	OBS	01060	06.32	35.08	27.59 *		1494.0							
	OBS	01100	05.81	35.05	27.64		1492.5							
	OBS	01200	05.05	35.03	27.71		1491.1							
	OBS	01270	04.92	35.04	27.74		1491.8							
	OBS	01300	04.70	35.02	27.75		1491.3							
	OBS	01400	04.53	35.02	27.77		1492.3							
	OBS	01500	04.20	34.99	27.78		1492.6							

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REFID 31 8186 YEAR 1970 BDTDP 04480 AIR TEMP 26.7 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1206  
 CONSEC 0026 MONTH 09 SHIP A1 WET BULB 23.9 12 1 3 WIND-SPO 00 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1022.7 SEA WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 50 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 026 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
12.0	OBS	00000	26.13	36.19	23.91		1533.8							
	OBS	00010	26.10	36.18	23.91		1538.8							
	OBS	00020	25.96	36.14	23.93		1538.7							
	OBS	00030	25.24	36.13	24.14		1537.1							
	OBS	00050	21.84	36.33	25.29		1529.4							
	OBS	00075	19.92	36.43	25.89		1524.8							
	OBS	00100	18.75	36.46	26.22		1522.0							
	OBS	00125	18.05	36.48	26.41		1520.5							
	OBS	00150	17.78	36.47	26.47		1520.1							
	OBS	00200	17.44	36.46	26.54		1519.9							
	OBS	00250	17.14	36.43	26.59		1519.8							
	OBS	00300	17.05	36.43	26.62		1520.3							
	OBS	00400	16.55	36.32	26.65		1520.4							
	OBS	00500	15.15	36.03	26.75		1517.3							
	OBS	00600	13.60	35.79	26.90		1513.7							
	OBS	00700	11.12	35.40	27.08		1506.4							
	OBS	00800	09.25	35.19	27.25		1501.0							
	OBS	00900	06.78	35.05	27.51		1493.1							
	OBS	00970	06.52	35.08	27.57		1493.3							
	OBS	01000	06.17	35.11	27.64		1492.4							
	OBS	01009	06.25	35.13	27.64		1492.9							
	OBS	01025	05.72	35.05	27.65		1490.9							
	OBS	01100	05.36	35.05	27.69		1490.7							
	OBS	01130	05.10	35.02	27.70		1490.1							
	OBS	01170	05.12	35.05	27.72		1490.9							
	OBS	01200	04.95	35.04	27.73		1490.7							
	OBS	01300	04.68	35.03	27.76		1491.3							
	OBS	01400	04.47	35.02	27.77		1492.1							
	OBS	01500	04.18	34.98	27.77		1492.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04755 AIR TEMP 27.8 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0027 MONTH 09 SHIP AT WET BULB 25.6 16 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1021.5 SEA 3 WIND-FXP DURATION 00.5 2 SQUARE 46  
 LONG 047 45 W HOUR 18.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 DRIG E46 027 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.0	08S	00000	26.44	36.23	23.84		1539.5							
	08S	00010	26.09	36.21	23.44		1538.9							
	08S	00020	23.99	36.24	24.49		1534.1							
	08S	00030	22.71	36.39	25.09		1531.3							
	08S	00050	20.99	36.44	25.61		1527.3							
	08S	00075	19.00	36.50	26.18		1522.4							
	08S	00100	18.08	36.49	25.41		1520.1							
	08S	00125	17.84	36.50	26.48		1519.9							
	08S	00150	17.61	36.49	26.53		1519.6							
	08S	00200	17.24	36.45	25.59		1515.3							
	08S	00250	17.12	36.46	26.62		1519.8							
	08S	00300	17.01	36.44	26.63		1520.2							
	08S	00400	16.56	36.33	25.66		1520.4							
	08S	00500	15.42	36.10	26.74		1518.3							
	08S	00600	13.65	35.80	26.90		1513.9							
	08S	00700	12.24	35.55	26.95		1510.5							
	08S	00800	09.62	35.22	27.21		1502.4							
	08S	00900	07.94	35.19	27.45		1497.8							
	08S	01000	06.51	35.14	27.62		1493.8							
	08S	01100	05.56	35.09	27.70		1491.6							
	08S	01175	04.96	35.05	27.74		1490.4							
	08S	01200	05.04	35.07	27.75		1491.1							
	08S	01300	04.68	35.05	27.77		1491.3							
	08S	01400	04.50	35.05	27.75		1492.2							
	08S	01500	04.20	35.02	27.80		1492.6							
	08S	01600	04.02	35.01	27.61		1493.5							
	08S	01750	03.92	35.01	27.82		1495.7							
	08S	02000	03.78	35.02	27.85		1499.3							
	08S	02500	03.28	35.00	27.68		1505.7							
	08S	03000	02.87	34.97	27.89		1512.6							

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REFID 31 8186 YEAR 1970 BOTOP 04755 AIR TEMP 25.6 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0028 MONTH 09 SHIP AT WET BULB 21.7 16 1 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 15 DATA USE 1 BAROMETR 1021.3 SEA WIND-FXP DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 23.9 AREA 05 CLOUD T/A CL/TP WEATHER X1 DRIG E46 028 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.9	08S	00000	26.49	36.22	23.82		1539.6							
	08S	00010	26.15	36.19	23.90		1539.0							
	08S	00020	25.68	36.16	24.03		1538.0							
	08S	00030	24.26	36.25	24.53		1535.0							
	08S	00050	21.87	36.36	25.31		1529.5							
	08S	00075	19.16	36.47	26.12		1522.8							
	08S	00100	18.31	36.45	26.32		1520.8							
	08S	00125	17.78	36.48	26.48		1519.7							
	08S	00150	17.55	36.46	26.52		1519.4							
	08S	00200	17.21	36.45	26.59		1519.2							
	08S	00250	17.11	36.45	26.62		1519.7							
	08S	00300	17.06	36.44	26.62		1520.4							
	08S	00350	16.95	36.42	26.63		1520.9							
	08S	00400	16.62	36.34	26.65		1520.6							
	08S	00500	15.44	36.11	26.75		1518.3							
	08S	00600	13.65	35.80	26.90		1513.9							
	08S	00700	11.50	35.47	27.07		1507.8							
	08S	00800	09.56	35.26	27.25		1502.3							
	08S	00850	08.83	35.21	27.33		1500.3							
	08S	00890	07.62	35.11	27.44		1496.3							
	08S	00900	07.62	35.14	27.46		1496.5							
	08S	01000	06.72	35.15	27.60		1494.6							
	08S	01060	05.75	35.07	27.66		1491.7							
	08S	01100	05.62	35.08	27.66		1491.8							
	08S	01172	05.41	35.08	27.71		1492.2							
	08S	01200	05.07	35.06	27.74		1491.2							
	08S	01225	05.11	35.08	27.75		1491.8							
	08S	01300	04.84	35.06	27.76		1492.0							
	08S	01324	04.57	35.02	27.76		1491.2							
	08S	01355	04.66	35.04	27.77		1492.1							
	08S	01370	04.51	35.04	27.78		1491.7							
	08S	01400	04.49	35.03	27.78		1492.2							
	08S	01500	04.41	35.02	27.78		1493.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04755 AIR TEMP 25.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TPN SQ 1206  
 CONSEC 0029 MONTH 09 SHIP AI WET BULB 21.7 18 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 16 DATA USE 1 BAROMETR 1020.3 SEA 3 WIND-FDP DURATION 09.3 2 SQUARE 46  
 LONG 047 57 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E46 029 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	JXYG	P04	TOT P	N02	N03	S103	PH
06.0	OBS	00000	26.06	36.16	23.91		1538.6							
	OBS	00010	26.06	36.17	23.92		1533.7							
	OBS	00020	25.89	36.10	23.92		1538.4							
	OBS	00030	25.59	36.09	24.00		1537.9							
	OBS	00050	21.99	36.33	25.75		1529.8							
	OBS	00075	19.39	36.41	25.01		1523.3							
	OBS	00100	18.39	36.47	26.32		1521.0							
	OBS	00125	17.84	36.48	26.46		1519.9							
	OBS	00150	17.64	36.49	26.52		1519.7							
	OBS	00200	17.31	36.45	26.57		1519.5							
	OBS	00250	17.14	36.45	26.61		1519.8							
	OBS	00300	17.06	36.44	26.62		1520.4							
	OBS	00400	16.64	36.34	26.65		1520.7							
	OBS	00500	15.32	36.09	26.70		1517.9							
	OBS	00600	13.65	35.81	26.50		1513.9							
	OBS	00700	12.18	35.56	27.01		1510.3							
	OBS	00800	09.70	35.27	27.23		1502.8							
	OBS	00900	07.51	35.06	27.41		1495.9							
	OBS	00945	07.08	35.13	27.53		1495.4							
	OBS	01000	06.43	35.08	27.58		1493.4							
	OBS	01090	05.55	35.05	27.67		1491.3							
	OBS	01100	05.20	35.01	27.68		1490.0							
	OBS	01115	05.07	35.02	27.70		1489.8							
	OBS	01150	05.22	35.06	27.72		1491.0							
	OBS	01200	05.05	35.06	27.74		1491.1							
	OBS	01300	04.63	35.02	27.75		1491.0							
	OBS	01400	04.29	34.99	27.77		1491.3							
	OBS	01500	04.15	34.98	27.78		1492.4							

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REFID 31 8186 YEAR 1970 BOTOP 04846 AIR TEMP 25.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TPN SQ 1206  
 CONSEC 0030 MONTH 09 SHIP AI WET BULB 22.8 18 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 40 N DAY 16 DATA USE 1 BAROMETR 1019.6 SEA 3 WIND-FDP DURATION 09.4 2 SQUARE 46  
 LONG 047 54 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E46 030 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	JXYG	P04	TOT P	N02	N03	S103	PH
11.9	OBS	00000	26.11	36.19	23.52		1536.7							
	OBS	00010	26.04	36.16	23.52		1536.7							
	OBS	00020	25.31	36.19	24.17		1537.2							
	OBS	00030	23.84	36.31	24.70		1534.0							
	OBS	00050	21.49	36.53	25.54		1528.7							
	OBS	00075	19.24	36.48	26.11		1523.0							
	OBS	00100	18.45	36.51	26.33		1521.2							
	OBS	00125	17.84	36.49	26.47		1519.9							
	OBS	00150	17.61	36.49	26.53		1519.6							
	OBS	00200	17.24	36.45	26.55		1519.3							
	OBS	00250	17.05	36.43	26.62		1519.5							
	OBS	00300	16.97	36.42	26.63		1520.1							
	OBS	00400	16.23	36.25	26.67		1519.3							
	OBS	00500	14.73	35.99	26.81		1516.0							
	OBS	00600	13.22	35.73	26.93		1512.4							
	OBS	00700	11.19	35.43	27.05		1506.7							
	OBS	00800	08.96	35.21	27.31		1500.0							
	OBS	00832	08.24	35.14	27.37		1497.7							
	OBS	00845	08.35	35.20	27.40		1498.4							
	OBS	00880	07.47	35.10	27.45		1495.5							
	OBS	00900	07.43	35.13	27.48		1495.7							
	OBS	00910	07.53	35.19	27.51		1496.4							
	OBS	01000	06.18	35.08	27.61		1492.4							
	OBS	01065	05.50	35.05	27.68		1490.7							
	OBS	01100	05.47	35.07	27.70		1491.2							
	OBS	01200	04.99	35.05	27.74		1490.9							
	OBS	01300	04.65	35.02	27.75		1491.1							
	OBS	01400	04.52	35.03	27.76		1492.3							
	OBS	01500	04.35	35.01	27.78		1493.2							

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TABLE XXV.—Continued

REFID 31 8166 YEAR 1970 BOTOP 03475 AIR TEMP 27.2 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0031 MONTH 06 SHIP A1 WET BULB 22.2 18 2 3 WIND-SPO 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1020.0 SEA WIND-FDR 00.6 2 SQUARE 48  
 LONG 048 10 W HOUR 17.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E46 031 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
17.5	0BS	00000	25.81	35.87	23.77		1537.7							
	0BS	00010	25.79	35.86	23.77		1537.8							
	0BS	00020	25.33	35.86	23.91		1536.9							
	0BS	00030	25.36	35.94	23.96		1537.2							
	0BS	00075	19.51	36.56	26.10		1523.9							
	0BS	00100	18.75	36.54	26.28		1522.1							
	0BS	00125	18.23	36.53	26.40		1521.0							
	0BS	00150	17.98	36.53	26.47		1520.7							
	0BS	00200	17.48	36.49	26.56		1520.0							
	0BS	00250	17.11	36.45	26.62		1519.7							
	0BS	00300	17.03	36.44	26.63		1520.3							
	0BS	00400	16.14	36.23	26.68		1519.0							
	0BS	00500	13.84	35.78	26.84		1512.8							
	0BS	00600	13.01	35.71	26.96		1511.6							
	0BS	00700	10.39	35.30	27.14		1503.7							
	0BS	00800	08.36	35.14	27.35		1497.6							
	0BS	00900	06.98	35.15	27.50		1494.0							
	0BS	01000	05.63	35.08	27.68		1490.2							
	0BS	01100	05.24	35.09	27.74		1490.3							
	0BS	01200	04.75	35.04	27.76		1489.9							
	0BS	01300	04.44	35.03	27.76		1490.3							
	0BS	01400	04.28	35.03	27.80		1491.3							
	0BS	01500	04.22	35.02	27.80		1492.7							
	0BS	01750	04.00	35.02	27.82		1496.0							
	0BS	02000	03.75	35.01	27.84		1499.2							
	0BS	02500	03.32	34.99	27.87		1505.9							
	0BS	03000	02.85	34.96	27.89		1512.5							

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REFID 31 8166 YEAR 1970 BOTOP 04460 AIR TEMP 25.0 DIR HGT PER WIND-DIR 24 INST STO RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 09 SHIP A1 WET BULB 22.2 18 WIND-SPO 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 17 DATA USE 1 BAROMETR 1017.6 SEA WIND-FDR 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E46 032 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
00.0	0BS	00000	25.55	35.68	23.71		1536.9							
	0BS	00010	25.55	35.68	23.71		1537.0							
	0BS	00020	25.30	35.92	23.96		1536.9							
	0BS	00030	24.88	36.04	24.18		1536.2							
	0BS	00050	20.98	36.35	25.54		1527.2							
	0BS	00075	18.93	36.48	26.19		1522.1							
	0BS	00100	17.93	36.51	26.46		1519.7							
	0BS	00125	17.62	36.51	26.54		1519.2							
	0BS	00150	17.33	36.47	26.58		1518.8							
	0BS	00200	17.05	36.43	26.62		1518.7							
	0BS	00250	16.80	36.38	26.64		1518.7							
	0BS	00300	16.36	36.28	26.67		1518.1							
	0BS	00400	15.15	36.07	26.78		1515.7							
	0BS	00500	13.96	35.88	26.85		1513.3							
	0BS	00600	12.60	35.63	26.98		1510.2							
	0BS	00700	09.99	35.27	27.18		1502.2							
	0BS	00778	08.68	35.18	27.33		1498.5							
	0BS	00795	08.83	35.29	27.39		1499.5							
	0BS	00800	08.74	35.26	27.38		1499.2							
	0BS	00900	06.65	35.09	27.56		1492.6							
	0BS	00940	06.04	35.03	27.59		1490.8							
	0BS	00955	06.38	35.14	27.63		1492.5							
	0BS	00975	06.40	35.16	27.65		1493.0							
	0BS	01000	06.18	35.14	27.66		1492.5							
	0BS	01055	05.20	35.03	27.70		1489.3							
	0BS	01100	05.39	35.10	27.73		1490.9							
	0BS	01200	05.12	35.08	27.75		1491.5							
	0BS	01300	04.57	35.01	27.75		1490.8							
	0BS	01330	04.37	34.98	27.75		1490.4							
	0BS	01400	04.25	34.99	27.77		1491.1							
	0BS	01420	04.22	34.98	27.77		1491.3							
	0BS	01430	04.38	35.01	27.77		1492.2							
	0BS	01500	04.27	34.99	27.77		1492.9							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 05029 AIP TEMP 25.2 DIP HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0033 MONTH 09 SHIP A1 WET BULB 22.2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 17 DATA USE 1 BAROMETR 1017.3 SEA 3 WIND-FZF 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 033 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRPH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	0000	25.88	36.11	23.93		1538.1							
	OBS	0010	26.35	36.59	24.15		1539.8							
	OBS	0020	26.08	36.65	24.27		1539.5							
	OBS	0030	23.98	36.46	24.77		1534.5							
	OBS	0050	20.32	36.38	25.75		1525.4							
	OBS	0075	18.03	36.41	26.36		1519.5							
	OBS	0100	17.33	36.41	26.53		1517.5							
	OBS	0125	17.06	36.42	26.61		1517.5							
	OBS	0150	16.99	36.42	26.62		1517.7							
	OBS	0200	16.79	36.39	26.65		1517.9							
	OBS	0250	16.46	36.33	26.66		1517.6							
	OBS	0300	15.95	36.21	26.71		1516.8							
	OBS	0400	14.42	35.93	26.83		1513.2							
	OBS	0500	13.19	35.71	26.92		1510.6							
	OBS	0600	11.44	35.49	27.09		1506.0							
	OBS	0700	09.14	35.20	27.27		1499.0							
	OBS	0775	07.93	35.17	27.44		1495.6							
	OBS	0800	07.88	35.22	27.48		1495.9							
	OBS	0820	08.07	35.29	27.51		1497.1							
	OBS	0900	07.10	35.21	27.59		1494.5							
	OBS	01000	06.00	35.11	27.66		1491.7							
	OBS	01050	05.71	35.13	27.71		1491.4							
	OBS	01100	05.67	35.14	27.73		1492.1							
	OBS	01150	05.32	35.10	27.74		1491.5							
	OBS	01160	05.45	35.13	27.75		1492.2							
	OBS	01200	05.37	35.12	27.75		1492.5							
	OBS	01300	05.03	35.10	27.77		1492.8							
	OBS	01400	04.58	35.05	27.78		1492.6							
	OBS	01500	04.35	35.02	27.79		1493.2							

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REFID 31 8186 YEAR 1970 BOTOP 04389 AIP TEMP 26.1 DIP HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 09 SHIP A1 WET BULB 22.2 WIND-SPD 21 TRACE DIR 0 5 SQUARE 2  
 LAT 34 30 N DAY 17 DATA USE 1 BAROMETR 1015.5 SEA 3 WIND-FZF 00.5 2 SQUARE 46  
 LONG 047 50 W HOUR 12.1 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E46 034 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDRPH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	OBS	0000	25.63	35.69	23.65		1537.1							
	OBS	0010	25.62	35.70	23.70		1537.2							
	OBS	0020	25.30	36.00	24.03		1537.0							
	OBS	0030	23.27	36.25	24.82		1532.6							
	OBS	0050	19.74	36.40	25.92		1523.9							
	OBS	0075	18.35	36.43	26.30		1520.4							
	OBS	0100	17.91	36.49	26.45		1519.7							
	OBS	0125	17.62	36.49	26.52		1519.2							
	OBS	0150	17.37	36.47	26.57		1518.9							
	OBS	0200	17.12	36.45	26.61		1518.9							
	OBS	0250	16.87	36.40	26.64		1519.0							
	OBS	0300	16.37	36.29	26.67		1518.1							
	OBS	0350	15.49	36.09	26.72		1516.0							
	OBS	0400	15.22	36.10	26.79		1516.0							
	OBS	0500	14.05	35.91	26.90		1513.7							
	OBS	0600	12.37	35.60	27.00		1509.3							
	OBS	0700	10.01	35.29	27.20		1502.3							
	OBS	0775	08.71	35.22	27.36		1498.6							
	OBS	0790	08.92	35.30	27.39		1499.8							
	OBS	0800	08.73	35.28	27.40		1499.2							
	OBS	0900	06.58	35.09	27.57		1492.3							
	OBS	0915	07.03	35.18	27.58		1494.5							
	OBS	0960	05.96	35.04	27.61		1490.8							
	OBS	0980	06.13	35.11	27.64		1491.9							
	OBS	01000	05.86	35.09	27.66		1491.1							
	OBS	01015	05.67	35.06	27.66		1490.6							
	OBS	01035	05.95	35.14	27.69		1492.1							
	OBS	01100	05.49	35.10	27.72		1491.3							
	OBS	01135	05.41	35.11	27.73		1491.6							
	OBS	01150	05.59	35.16	27.75		1492.6							
	OBS	01200	05.07	35.08	27.75		1491.3							
	OBS	01280	04.56	35.02	27.76		1490.4							
	OBS	01300	04.75	35.06	27.77		1491.6							
	OBS	01315	04.67	35.04	27.77		1491.5							
	OBS	01330	04.61	35.08	27.78		1492.4							
	OBS	01400	04.54	35.05	27.75		1492.4							
	OBS	01500	04.38	35.02	27.78		1493.4							

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TABLE XXV.—Continued

REF ID 31 8186 YEAR 1970 ROTDP 05121 AIR TEMP 24.4 OIP HGT PER WIND-OIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 09 SHIP A1 WET BULB 22.8 25 WIND-SPO 30 TRACE OIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1012.5 SEA 4 WIND-FDR DURATION 00.6 2 SQUARE 46  
 LONG 047 55 W HOUR 18.0 AREA 05 CLOUD T/A CL/TFR WEATHER X6 ORIG E46 035 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DPNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
18.0	OBS	00300	26.03	36.23	23.97		1538.6							
	OBS	00010	26.01	36.23	23.98		1538.7							
	OBS	00020	25.23	36.10	24.12		1536.9							
	OBS	00030	22.69	36.21	24.96									
	OBS	00050	20.32	36.43	25.78		1525.5							
	OBS	00075	19.06	36.51	26.18		1522.5							
	OBS	00100	18.33	36.49	26.35		1520.9							
	OBS	00125	17.95	36.53	26.47		1520.2							
	OBS	00150	17.68	36.49	26.51		1519.8							
	OBS	00200	17.36	36.48	26.58		1519.7							
	OBS	00250	17.13	36.44	26.60		1519.8							
	OBS	00300	17.02	36.44	26.63		1520.3							
	OBS	00400	16.35	36.30	26.68		1519.7							
	OBS	00500	15.08	36.07	26.80		1517.2							
	OBS	00600	12.48	35.61	26.99		1509.7							
	OBS	00700	10.33	35.36	27.19		1503.5							
	OBS	00800	08.00	35.12	27.39		1496.2							
	OBS	00830	07.88	35.22	27.48		1496.4							
	OBS	00900	06.59	35.13	27.60		1492.4							
	OBS	01000	05.65	35.07	27.67		1490.3							
	OBS	01055	05.20	35.04	27.70		1489.3							
	OBS	01080	05.33	35.09	27.73		1490.3							
	OBS	01100	05.25	35.08	27.73		1490.3							
	OBS	01200	04.86	35.07	27.77		1490.4							
	OBS	01300	04.56	35.05	27.79		1490.8							
	OBS	01400	04.35	35.02	27.79		1491.6							
	OBS	01500	04.24	35.02	27.80		1492.3							
	OBS	01750	04.00	35.00	27.81		1496.0							
	OBS	02000	03.70	34.99	27.83		1498.9							
	OBS	02500	03.24	34.96	27.85		1505.5							
	OBS	03000	02.87	34.92	27.85		1512.5							

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REF ID 31 8186 YEAR 1970 ROTDP 04755 AIR TEMP 25.0 OIP HGT PER WIND-OIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0036 MONTH 09 SHIP A1 WET BULB 22.8 25 WIND-SPO 25 TRACE OIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 18 DATA USE 1 BAROMETR 1011.2 SEA 4 WIND-FDR DURATION 00.3 2 SQUARE 46  
 LONG 047 58 W HOUR 00.2 AREA 05 CLOUD T/A CL/TFR WEATHER X1 ORIG E46 036 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DPNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	26.00	36.16	23.93		1538.4							
	OBS	00010	25.58	36.21	23.97		1538.6							
	OBS	00020	25.97	36.21	23.98		1538.8							
	OBS	00030	25.85	36.21	24.01		1538.6							
	OBS	00050	21.81	36.35	25.32		1529.3							
	OBS	00075	18.93	36.44	26.16		1522.1							
	OBS	00100	18.05	36.48	26.41		1520.0							
	OBS	00125	17.75	36.51	26.51		1519.6							
	OBS	00150	17.58	36.49	26.53		1519.5							
	OBS	00200	17.18	36.45	26.60		1519.1							
	OBS	00250	17.07	36.46	26.63		1519.6							
	OBS	00300	17.00	36.45	26.64		1520.2							
	OBS	00400	16.29	36.28	26.68		1519.5							
	OBS	00500	15.23	36.10	26.79		1517.7							
	OBS	00600	13.48	35.79	26.92		1513.3							
	OBS	00700	11.34	35.42	27.06		1507.2							
	OBS	00800	09.57	35.26	27.25		1502.3							
	OBS	00880	07.62	35.09	27.42		1496.1							
	OBS	00900	07.70	35.13	27.44		1496.8							
	OBS	00945	06.57	35.06	27.55		1493.0							
	OBS	00970	06.59	35.10	27.57		1493.6							
	OBS	01000	06.24	35.06	27.59		1492.6							
	OBS	01100	05.57	35.06	27.66		1491.6							
	OBS	01180	05.06	35.02	27.71		1490.8							
	OBS	01200	05.20	35.07	27.73		1491.8							
	OBS	01265	04.75	35.01	27.73		1490.9							
	OBS	01280	04.84	35.05	27.75		1491.6							
	OBS	01300	04.70	35.02	27.77		1491.3							
	OBS	01335	04.42	35.01	27.77		1490.7							
	OBS	01400	04.35	35.00	27.77		1491.5							
	OBS	01500	04.14	34.97	27.77		1492.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04206 AIR TEMP 21.1 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0037 MONTH 09 SHIP A1 WET BULB 16.1 36 2 3 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 24 N DAY 20 DATA USE 1 BAROMETP 1013.9 SEA WIND-FJR DURATION 00.4 2 SQUARE 46  
 LONG 047 42 W HOUR 06.1 AREA 05 CLOUD T/A CL/TP WEATHER X0 ORIG E46 037 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
06.1	08S	00000	25.43	36.19	24.13		1537.2							
	08S	00010	25.43	36.19	24.13		1537.3							
	08S	00020	25.43	36.19	24.13		1537.5							
	08S	00030	24.51	36.30	24.49		1535.6							
	08S	00050	21.07	36.51	25.64		1527.6							
	08S	00075	19.38	36.53	26.11		1523.5							
	08S	00100	18.20	36.50	26.39		1520.5							
	08S	00125	17.85	36.50	26.47		1519.9							
	08S	00150	17.61	36.51	26.54		1519.6							
	08S	00200	17.35	36.49	26.59		1519.7							
	08S	00250	17.03	36.44	26.63		1519.5							
	08S	00300	16.83	36.39	26.64		1519.6							
	08S	00400	15.33	36.07	26.74		1516.3							
	08S	00420	15.41	36.13	26.77		1517.0							
	08S	00500	14.44	35.90	26.81		1514.9							
	08S	00600	12.82	35.67	26.97		1510.9							
	08S	00700	10.75	35.42	27.17		1505.1							
	08S	00800	09.32	35.31	27.33		1501.4							
	08S	00900	06.95	35.05	27.49		1493.7							
	08S	01000	05.94	35.07	27.63		1491.6							
	08S	01100	05.15	35.03	27.70		1489.8							
	08S	01170	05.21	35.08	27.73		1491.3							
	08S	01200	05.08	35.07	27.74		1491.3							
	08S	01250	04.93	35.04	27.74		1491.5							
	08S	01300	04.90	35.06	27.76		1492.2							
	08S	01400	04.59	35.03	27.77		1492.6							
	08S	01500	04.46	35.03	27.78		1493.8							

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REFID 31 8186 YEAR 1970 BOTOP 03111 AIR TEMP 25.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0038 MONTH 09 SHIP A1 WET BULB 21.1 04 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 20 DATA USE 1 BAROMETR 1013.2 SEA WIND-FJR DURATION 07.3 2 SQUARE 46  
 LONG 047 53 W HOUR 09.3 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E46 038 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
09.3	08S	00000	25.29	36.10	24.10		1536.7							
	08S	00010	25.29	36.10	24.10		1536.9							
	08S	00020	25.30	36.12	24.12		1537.1							
	08S	00030	24.53	36.23	24.43		1535.6							
	08S	00050	21.43	36.43	25.48		1528.4							
	08S	00075	18.86	36.54	26.25		1522.0							
	08S	00100	18.33	36.54	26.39		1520.9							
	08S	00125	18.00	36.53	26.46		1520.4							
	08S	00150	17.78	36.53	26.52		1520.1							
	08S	00200	17.40	36.48	26.57		1519.8							
	08S	00250	17.10	36.45	26.62		1519.7							
	08S	00300	16.96	36.42	26.63		1520.1							
	08S	00400	16.21	36.28	26.70		1513.3							
	08S	00500	14.68	35.99	26.82		1515.8							
	08S	00508	14.76	36.03	26.83		1516.3							
	08S	00600	12.89	35.70	26.97		1511.2							
	08S	00635	12.56	35.68	27.03		1510.7							
	08S	00700	10.56	35.37	27.16		1504.4							
	08S	00800	08.72	35.26	27.39		1499.1							
	08S	00810	08.70	35.32	27.44		1499.3							
	08S	00860	07.16	35.07	27.47		1493.9							
	08S	00900	06.80	35.05	27.51		1493.2							
	08S	01000	06.03	35.08	27.63		1491.8							
	08S	01100	05.41	35.06	27.65		1490.9							
	08S	01200	04.95	35.05	27.74		1490.7							
	08S	01275	04.65	35.03	27.76		1490.7							
	08S	01300	04.66	35.04	27.77		1491.2							
	08S	01400	04.50	35.01	27.76		1492.2							
	08S	01500	04.23	34.99	27.78		1492.7							

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TABLE XXV.—Continued

REF ID: 31 8186 YEAR: 1970 BOT TOP: 04892 AIR TEMP: 26.7 DIR HGT PER: WIND-DIR: 20 INST STD RECORDER: TEN SQ 1206  
 CONSEC: 0039 MONTH: 09 SHIP A1 WET BULB: 22.8 28 WIND-SFC: 20 TRACE DIR: D 5 SQUARE 4  
 LAT: 35 02 N DAY: 20 DATA USE: 1 BARMETH: 1010.5 SEA: 3 WIND-FDP: DURATION: 00.5 2 SQUARE 46  
 LONG: 047 59 W HOUR: 17.9 AREA: 05 CLOUD: T/A CL/TR: WEATHER: Y2 ORIG: E46 039 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
17.9	DBS	00000	25.29	36.16	24.15		1536.9							
	DBS	00010	25.26	36.15	24.15		1536.9							
	DBS	00020	25.22	36.13	24.15		1536.9							
	DBS	00030	24.22	36.19	24.50		1534.8							
	DBS	00050	20.72	36.43	25.60		1526.6							
	DBS	00075	19.06	36.47	26.15		1522.5							
	DBS	00100	18.42	36.52	26.35		1521.2							
	DBS	00125	17.92	36.50	26.46		1520.1							
	DBS	00150	17.68	36.51	26.52		1519.8							
	DBS	00200	17.46	36.50	26.57		1520.0							
	DBS	00250	17.23	36.47	26.60		1520.1							
	DBS	00300	17.06	36.46	26.63		1520.5							
	DBS	00350	16.46	36.32	26.67		1520.1							
	DBS	00400	15.02	36.05	26.79		1516.9							
	DBS	00450	13.59	35.81	26.92		1513.7							
	DBS	00500	11.33	35.50	27.12		1507.3							
	DBS	00550	09.40	35.26	27.25		1501.7							
	DBS	00600	08.61	35.33	27.46		1499.8							
	DBS	00650	07.67	35.26	27.55		1496.8							
	DBS	00700	06.27	35.12	27.63		1492.8							
	DBS	00750	05.56	35.11	27.72		1491.6							
	DBS	00800	05.08	35.09	27.76		1491.3							
	DBS	00850	04.64	35.06	27.75		1491.1							
	DBS	00900	04.52	35.05	27.79		1492.3							
	DBS	00950	04.40	35.06	27.81		1493.5							
	DBS	01000	04.05	35.03	27.83		1496.2							
	DBS	01050	03.82	35.03	27.85		1490.5							
	DBS	01100	03.28	34.99	27.97		1505.7							
	DBS	01150	02.88	34.96	27.99		1510.9							

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REF ID: 31 8186 YEAR: 1970 BOT TOP: 04846 AIR TEMP: 25.0 DIR HGT PER: WIND-DIR: 35 INST STD RECORDER: TEN SQ 1206  
 CONSEC: 0040 MONTH: 09 SHIP A1 WET BULB: 21.7 22 2 2 WIND-SFC: 13 TRACE DIR: D 5 SQUARE 2  
 LAT: 34 51 N DAY: 21 DATA USE: 1 BARMETH: 1012.9 SEA: 2 WIND-FDP: DURATION: 00.3 2 SQUARE 46  
 LONG: 047 58 W HOUR: 00.2 AREA: 05 CLOUD: T/A CL/TR: WEATHER: X1 ORIG: E46 040 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
00.2	DBS	00000	25.32	36.12	24.11		1536.8							
	DBS	00010	25.31	36.13	24.12		1537.0							
	DBS	00020	25.33	36.13	24.11		1537.2							
	DBS	00030	25.33	36.15	24.13		1537.4							
	DBS	00050	20.97	36.43	25.61		1527.2							
	DBS	00075	19.02	36.49	26.17		1522.4							
	DBS	00100	18.12	36.52	26.42		1520.3							
	DBS	00125	17.82	36.51	26.49		1519.8							
	DBS	00150	17.55	36.50	26.55		1519.4							
	DBS	00200	17.18	36.46	26.61		1519.1							
	DBS	00250	17.11	36.47	26.63		1519.7							
	DBS	00300	16.96	36.44	26.65		1520.1							
	DBS	00350	16.58	36.36	26.67		1520.0							
	DBS	00400	16.25	36.28	26.65		1519.4							
	DBS	00450	14.82	36.02	26.82		1516.3							
	DBS	00500	12.73	35.66	26.98		1510.6							
	DBS	00550	11.19	35.47	27.12		1506.7							
	DBS	00600	09.49	35.20	27.21		1501.9							
	DBS	00650	07.29	35.09	27.45		1455.2							
	DBS	00700	07.31	35.11	27.48		1495.2							
	DBS	00750	06.05	35.07	27.62		1491.9							
	DBS	00800	05.35	35.07	27.71		1490.7							
	DBS	00850	04.99	35.03	27.72		1490.4							
	DBS	00900	05.00	35.06	27.74		1490.9							
	DBS	00950	04.61	35.02	27.76		1491.0							
	DBS	01000	04.27	34.99	27.77		1491.2							
	DBS	01050	04.33	35.01	27.78		1492.5							
	DBS	01100	04.20	35.02	27.80		1492.6							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04389 AIR TEMP 25.0 DIP HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1206  
 CONSEC 0041 MONTH 09 SHIP A1 WET BULB 21.1 22 2 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 21 DATA USE 1 BAROMETR 1013.6 SEA WEATHER X1 DURATION 00.3 2 SQUARE 49  
 LONG 048 09 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 041 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	N02	N03	SIG3	PH
06.2	OBS	0000	25.00	35.99	24.03		1535.8							
	OBS	0010	25.01	35.93	24.06		1536.1							
	OBS	0020	24.73	36.13	24.70		1535.8							
	OBS	0050	20.83	36.50	25.70		1526.9							
	OBS	0075	19.28	36.50	26.11		1523.1							
	OBS	0100	18.46	36.48	26.30		1521.3							
	OBS	0125	17.83	36.51	26.45		1519.9							
	OBS	0150	17.74	36.53	26.52		1520.0							
	OBS	0200	17.53	36.51	26.56		1520.2							
	OBS	0250	17.28	36.47	26.59		1520.3							
	OBS	0300	17.10	36.45	26.62		1520.5							
	OBS	0400	16.77	36.39	26.65		1521.1							
	OBS	0500	14.89	36.02	26.80		1516.5							
	OBS	0600	13.20	35.70	26.91		1512.3							
	OBS	0700	10.99	35.43	27.13		1506.0							
	OBS	0800	09.14	35.20	27.27		1500.6							
	OBS	0850	08.44	35.26	27.43		1498.9							
	OBS	0865	08.53	35.29	27.44		1499.6							
	OBS	0900	07.92	35.26	27.51		1497.8							
	OBS	0990	06.17	35.12	27.65		1492.3							
	OBS	1000	06.25	35.13	27.64		1492.8							
	OBS	1010	06.01	35.09	27.64		1491.9							
	OBS	1100	05.46	35.07	27.70		1491.2							
	OBS	1150	05.09	35.04	27.72		1490.5							
	OBS	1200	05.07	35.06	27.74		1491.2							
	OBS	1300	04.79	35.04	27.75		1491.7							
	OBS	1400	04.36	35.00	27.77		1491.6							
	OBS	01500	04.25	35.00	27.78		1492.8							

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REFID 31 8186 YEAR 1970 BOTOP 01647 AIR TEMP 23.3 DIP HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0042 MONTH 09 SHIP A1 WET BULB 18.9 32 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 21 DATA USE 1 BAROMETR 1017.2 SEA 3 WEATHER X1 DURATION 00.3 2 SQUARE 48  
 LONG 048 09 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 042 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	N02	N03	SIG3	PH
12.4	OBS	0000	24.55	35.75	24.06		1534.6							
	OBS	0010	24.55	35.75	24.06		1534.8							
	OBS	0020	24.55	35.76	24.07		1534.9							
	OBS	0030	24.55	36.31	24.49		1535.7							
	OBS	0050	21.59	36.50	25.49		1528.9							
	OBS	0075	19.83	36.43	25.51		1524.6							
	OBS	0100	18.68	36.48	26.25		1521.8							
	OBS	0125	18.18	36.52	26.41		1520.9							
	OBS	0150	17.80	36.51	26.49		1520.2							
	OBS	0200	17.54	36.50	26.55		1520.2							
	OBS	0250	17.24	36.45	26.59		1520.1							
	OBS	0300	16.98	36.43	26.63		1520.1							
	OBS	0340	16.84	36.40	26.64		1520.3							
	OBS	0400	15.42	36.09	26.74		1516.6							
	OBS	0500	13.59	35.79	26.90		1512.0							
	OBS	0600	12.59	35.63	26.98		1510.1							
	OBS	0700	09.94	35.25	27.18		1502.0							
	OBS	0715	09.97	35.35	27.25		1502.5							
	OBS	0750	08.85	35.16	27.29		1498.7							
	OBS	0800	08.17	35.16	27.39		1496.9							
	OBS	0900	06.85	35.08	27.52		1493.4							
	OBS	0910	06.79	35.10	27.55		1493.4							
	OBS	0922	07.12	35.20	27.58		1495.0							
	OBS	0930	06.92	35.17	27.58		1494.3							
	OBS	0950	07.16	35.25	27.61		1495.7							
	OBS	1000	06.53	35.18	27.65		1493.9							
	OBS	1075	05.90	35.12	27.68		1492.6							
	OBS	1090	05.48	35.09	27.71		1491.1							
	OBS	1100	05.75	35.15	27.72		1492.4							
	OBS	1160	05.10	35.06	27.73		1490.7							
	OBS	1180	05.37	35.13	27.76		1492.2							
	OBS	1200	05.30	35.12	27.76		1492.3							
	OBS	1300	05.15	35.11	27.77		1493.3							
	OBS	1400	04.68	35.04	27.77		1493.0							
	OBS	01500	04.51	35.03	27.78		1493.9							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 RCTOP 02195 AIR TEMP 26.7 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0043 MONTH 09 SHIP A1 WET BULB 21.1 32 2 3 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 21 DATA USE 1 BARDMETR 1016.6 SEA WIND-FDF DURATION 00.3 2 SQUARE 48  
 LDNG 048 10 W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 043 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.3	D8S	00000	24.72	35.88	24.11		1535.2							
	D8S	00010	24.64	35.89	24.14		1535.1							
	D8S	00020	24.64	35.90	24.15		1535.3							
	D8S	00030	24.23	35.93	24.30		1534.5							
	D8S	00100	18.74	36.48	26.24		1522.0							
	D8S	00125	18.11	36.52	26.43		1520.7							
	D8S	00150	17.86	36.52	26.49		1520.4							
	D8S	00200	17.58	36.51	26.55		1520.4							
	D8S	00250	17.38	36.48	26.57		1520.6							
	D8S	00300	17.09	36.42	26.60		1520.5							
	D8S	00400	16.39	36.29	26.67		1519.8							
	D8S	00500	14.39	35.90	26.82		1514.8							
	D8S	00600	13.11	35.73	26.95		1512.0							
	D8S	00700	10.84	35.39	27.13		1505.4							
	D8S	00800	08.40	35.16	27.36		1497.8							
	D8S	00840	07.72	35.14	27.45		1495.9							
	D8S	00870	07.94	35.24	27.49		1497.3							
	D8S	00900	07.62	35.29	27.55		1497.4							
	D8S	00970	07.20	35.27	27.62		1496.2							
	D8S	00980	07.44	35.34	27.64		1497.4							
	D8S	01000	06.95	35.25	27.64		1495.7							
	D8S	01100	05.77	35.13	27.71		1492.5							
	D8S	01200	05.31	35.09	27.73		1492.3							
	D8S	01300	04.98	35.08	27.76		1492.6							
	D8S	01400	04.70	35.05	27.77		1493.1							
	D8S	01500	04.52	35.03	27.78		1494.0							
	D8S	01530	04.49	35.04	27.79		1494.4							

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REFID 31 8186 YEAR 1970 RCTOP 04522 AIR TEMP 22.2 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0044 MONTH 09 SHIP A1 WET BULB 18.3 32 2 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 22 DATA USE 1 BARDMETR 1019.3 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LDNG 048 16 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 044 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
00.0	D8S	00000	24.81	35.89	24.09		1535.4							
	D8S	00010	24.66	35.91	24.15		1535.2							
	D8S	00020	24.66	35.91	24.15		1535.4							
	D8S	00030	24.65	35.91	24.16		1535.5							
	D8S	00050	21.75	36.42	25.39		1529.3							
	D8S	00075	19.43	36.46	26.04		1523.5							
	D8S	00100	18.47	36.51	26.33		1521.3							
	D8S	00125	18.02	36.50	26.43		1520.4							
	D8S	00150	17.88	36.51	26.48		1520.4							
	D8S	00200	17.58	36.49	26.53		1520.3							
	D8S	00250	17.29	36.46	26.58		1520.3							
	D8S	00300	17.05	36.43	26.62		1520.3							
	D8S	00360	16.78	36.38	26.64		1520.5							
	D8S	00400	16.20	36.19	26.63		1519.1							
	D8S	00500	14.35	35.92	26.84		1514.6							
	D8S	00600	12.66	35.65	26.98		1510.4							
	D8S	00625	12.40	35.60	27.00		1509.9							
	D8S	00659	12.09	35.61	27.06		1509.4							
	D8S	00700	11.00	35.41	27.11		1506.0							
	D8S	00800	09.00	35.20	27.29		1500.1							
	D8S	00855	07.72	35.11	27.42		1496.1							
	D8S	00865	08.00	35.22	27.47		1497.4							
	D8S	00875	07.77	35.18	27.47		1496.7							
	D8S	00900	07.94	35.28	27.52		1497.9							
	D8S	01000	07.63	35.36	27.63		1498.5							
	D8S	01015	07.57	35.36	27.64		1498.5							
	D8S	01100	06.20	35.17	27.68		1494.3							
	D8S	01150	05.47	35.12	27.74		1492.1							
	D8S	01200	05.28	35.11	27.75		1492.2							
	D8S	01300	04.84	35.06	27.76		1492.0							
	D8S	01400	04.53	35.04	27.78		1492.3							
	D8S	01500	04.23	35.02	27.80		1492.7							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 03931 AIR TEMP 22.2 DIP HGT PER WIND-DIP 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0045 MONTH 09 SHIP A1 WET BULB 18.3 33 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 22 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FOP OUPATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 06.2 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E46 045 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PD4	TGT P	NO2	NO3	SIG3	PH
06.2	085	00000	24.45	35.60	23.98		1534.2							
	085	00010	24.46	35.60	23.98		1534.4							
	085	00020	24.46	35.60	23.98		1534.5							
	085	00030	24.46	35.61	23.99		1534.7							
	085	00050	22.98	36.11	24.80		1532.0							
	085	00075	19.93	36.47	25.92		1524.9							
	085	00100	18.48	36.53	26.34		1521.3							
	085	00125	18.16	36.53	26.42		1520.8							
	085	00150	17.75	36.52	26.51		1520.0							
	085	00200	17.29	36.45	26.57		1519.4							
	085	00250	16.86	36.41	26.65		1518.9							
	085	00300	16.27	36.31	26.71		1517.9							
	085	00400	14.67	35.99	26.82		1514.1							
	085	00500	13.37	35.77	26.93		1511.3							
	085	00600	11.95	35.55	27.04		1507.6							
	085	00700	09.70	35.25	27.22		1501.1							
	085	00800	07.87	35.13	27.42		1495.8							
	085	00825	07.62	35.12	27.44		1495.2							
	085	00845	07.95	35.25	27.50		1497.0							
	085	00900	07.57	35.27	27.57		1496.4							
	085	01000	06.02	35.11	27.66		1491.8							
	085	01100	05.33	35.08	27.72		1490.6							
	085	01200	04.89	35.06	27.76		1490.5							
	085	01300	04.59	35.04	27.78		1490.9							
	085	01400	04.45	35.03	27.78		1492.0							
	085	01500	04.27	35.02	27.79		1492.9							
	085	01510	04.27	35.02	27.79		1493.1							

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REFID 31 8186 YEAR 1970 BOTOP 03749 AIR TEMP 23.9 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0046 MONTH 09 SHIP A1 WET BULB 20.6 30 2 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 22 DATA USE 1 BAROMETR 1019.6 SEA 3 WIND-FOP OURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HOUR 11.9 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E46 046 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PD4	TGT P	NO2	NO3	SIG3	PH
11.9	085	00000	24.30	35.56	24.00		1533.8							
	085	00010	24.27	35.56	24.00		1533.9							
	085	00020	24.26	35.57	24.02		1534.0							
	085	00030	24.18	35.60	24.06		1534.0							
	085	00050	23.03	36.32	24.94		1532.4							
	085	00075	18.78	36.24	26.04		1521.4							
	085	00100	17.78	36.40	26.42		1519.2							
	085	00125	17.43	36.46	26.55		1518.6							
	085	00150	17.18	36.43	26.59		1518.3							
	085	00200	16.90	36.40	26.63		1518.2							
	085	00250	16.54	36.31	26.65		1517.6							
	085	00300	15.84	36.18	26.71		1516.4							
	085	00400	14.54	35.94	26.81		1513.6							
	085	00500	13.29	35.75	26.93		1511.0							
	085	00600	11.50	35.48	27.08		1506.2							
	085	00700	09.67	35.37	27.32		1501.2							
	085	00720	08.84	35.40	27.31		1502.1							
	085	00755	08.62	35.18	27.34		1497.9							
	085	00800	07.80	35.14	27.43		1495.5							
	085	00820	07.25	35.09	27.47		1493.6							
	085	00855	07.19	35.13	27.51		1494.0							
	085	00880	07.64	35.30	27.58		1496.4							
	085	00900	07.59	35.28	27.57		1496.5							
	085	01000	05.81	35.08	27.66		1490.9							
	085	01025	05.88	35.14	27.70		1491.7							
	085	01100	05.36	35.08	27.72		1490.8							
	085	01200	05.05	35.08	27.75		1491.2							
	085	01300	04.77	35.06	27.77		1491.7							
	085	01400	04.52	35.04	27.78		1492.3							
	085	01500	04.34	35.02	27.79		1493.2							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 80TOP 04114 AIR TEMP 23.9 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0047 MONTH 04 SHIP AI WET BULB 20.0 29 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 23 DATA USE 1 BAROMETR 1021.3 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 049 00 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E46 047 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	NO2	NO3	S103	PH
00.3	085	00000	24.28	35.64	24.06		1533.8							
	085	00010	24.22	35.66	24.10		1533.9							
	085	00020	24.13	35.66	24.12		1533.8							
	085	00030	24.08	35.70	24.17		1533.9							
	085	00050	21.38	36.22	25.34		1528.1							
	085	00055	21.70	36.49	25.45		1529.3							
	085	00075	20.23	36.13	25.58		1525.3							
	085	00100	18.15	36.35	26.25		1520.2							
	085	00125	17.59	36.44	26.49		1519.1							
	085	00150	17.26	36.41	26.55		1518.5							
	085	00200	16.99	36.41	26.62		1518.5							
	085	00250	16.57	36.33	26.65		1518.0							
	085	00300	16.04	36.22	26.65		1517.0							
	085	00400	14.73	35.99	26.81		1514.3							
	085	00500	13.33	35.78	26.95		1511.1							
	085	00600	11.75	35.48	27.03		1507.1							
	085	00675	09.64	35.25	27.23		1500.5							
	085	00700	09.91	35.37	27.28		1502.0							
	085	00730	08.72	35.20	27.34		1497.9							
	085	00800	07.75	35.11	27.42		1495.3							
	085	00815	07.52	35.11	27.45		1494.6							
	085	00850	07.85	35.27	27.53		1496.7							
	085	00900	07.60	35.27	27.57		1496.6							
	085	00955	06.88	35.13	27.56		1494.5							
	085	01000	06.02	35.10	27.65		1491.8							
	085	01040	05.54	35.07	27.69		1490.5							
	085	01100	05.27	35.07	27.72		1490.4							
	085	01200	04.92	35.07	27.76		1490.6							
	085	01300	04.67	35.06	27.78		1491.3							
	085	01400	04.48	35.03	27.78		1492.1							
	085	01500	04.34	35.02	27.79		1493.2							

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REFID 31 8186 YEAR 1970 80TOP 04389 AIR TEMP 23.2 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0048 MONTH 09 SHIP AI WET BULB 20.0 24 2 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 23 DATA USE 1 BAROMETR 1021.3 SEA 3 WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 58 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E46 048 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	NO2	NO3	S103	PH
06.0	085	00000	24.12	35.64	24.11		1533.4							
	085	00010	24.02	35.64	24.14		1533.4							
	085	00020	24.02	35.64	24.14		1533.5							
	085	00030	24.02	35.64	24.14		1533.7							
	085	00075	20.13	36.56	25.93		1525.5							
	085	00100	19.48	36.61	26.07		1524.1							
	085	00125	18.33	36.50	26.36		1521.2							
	085	00150	17.23	36.30	26.47		1518.3							
	085	00200	16.95	36.37	26.59		1518.3							
	085	00220	16.94	36.41	26.63		1518.7							
	085	00250	16.70	36.37	26.65		1518.4							
	085	00300	16.29	36.26	26.67		1517.9							
	085	00400	14.74	35.44	26.77		1514.3							
	085	00450	13.95	35.86	26.88		1513.1							
	085	00500	13.64	35.78	26.86		1512.2							
	085	00600	11.91	35.65	27.05		1507.7							
	085	00700	10.13	35.31	27.15		1502.8							
	085	00730	09.40	35.21	27.24		1500.5							
	085	00740	09.50	35.30	27.25		1501.1							
	085	00800	08.15	35.14	27.26		1496.8							
	085	00830	07.51	35.11	27.45		1494.8							
	085	00850	07.85	35.24	27.50		1496.7							
	085	00900	07.64	35.28	27.57		1496.7							
	085	01000	06.13	35.12	27.65		1492.3							
	085	01100	05.35	35.08	27.72		1490.7							
	085	01100	04.97	35.07	27.76		1490.8							
	085	01300	04.54	35.03	27.77		1490.9							
	085	01400	04.42	35.02	27.78		1491.9							
	085	01500	04.17	35.00	27.79		1492.5							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BCTDP 02926 AIR TEMP 24.4 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206  
 CDNSEC 0049 MONTH 09 SHIP AI WET BULB 22.2 DIR HGT PER WIND-SPO 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 23 DATA USE 1 BARGMETR 1022.7 SEA 3 WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 07 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E46 049 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNG VEL	DXYG	P34	TOT P	NO2	NO3	S103	PH
12.2	08S	00000	23.99	35.63	24.14		1533.1							
	08S	00010	23.99	35.64	24.15		1533.3							
	08S	00020	24.01	35.65	24.15		1533.5							
	08S	00030	23.99	35.67	24.17		1533.7							
	08S	00050	23.14	35.72	24.46		1532.0							
	08S	00075	18.28	36.12	26.08		1519.9							
	08S	00100	18.39	36.47	26.32		1521.0							
	08S	00125	18.04	36.47	26.40		1520.4							
	08S	00150	17.65	36.39	26.44		1519.6							
	08S	00200	17.15	36.40	26.57		1519.0							
	08S	00250	16.98	36.41	26.62		1519.3							
	08S	00300	16.50	36.31	26.66		1518.5							
	08S	00400	15.00	36.12	26.85		1515.3							
	08S	00500	13.55	35.79	26.91		1511.9							
	08S	00600	11.75	35.51	27.05		1507.1							
	08S	00650	11.41	35.42	27.05		1505.9							
	08S	00650	11.10	35.46	27.13		1505.6							
	08S	00700	09.90	35.28	27.21		1501.9							
	08S	00750	08.95	35.18	27.29		1499.1							
	08S	00800	08.65	35.25	27.39		1498.9							
	08S	00840	07.51	35.07	27.42		1495.0							
	08S	00900	06.83	35.08	27.53		1493.3							
	08S	00970	06.59	35.16	27.62		1493.6							
	08S	00980	06.40	35.24	27.64		1495.1							
	08S	01000	06.45	35.17	27.65		1493.6							
	08S	01060	05.34	35.07	27.71		1490.0							
	08S	01100	05.21	35.04	27.70		1490.1							
	08S	01115	05.12	35.05	27.72		1490.0							
	08S	01135	05.41	35.12	27.74		1491.6							
	08S	01160	05.09	35.07	27.74		1490.7							
	08S	01200	05.26	35.12	27.76		1492.1							
	08S	01270	05.20	35.13	27.78		1493.0							
	08S	01300	04.77	35.09	27.77		1492.5							
	08S	01400	04.45	35.04	27.79		1492.0							
	08S	01500	04.27	35.02	27.79		1492.9							

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REFID 31 8186 YEAR 1970 BCTDP 03843 AIR TEMP 26.7 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 CDNSEC 0050 MONTH 09 SHIP AI WET BULB 22.8 DIR HGT PER WIND-SPO 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 23 DATA USE 1 BARGMETR 1021.0 SEA 3 WIND-FDR DURATION 00.6 2 SQUARE 48  
 LONG 048 10 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E46 050 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNG VEL	DXYG	P34	TOT P	NO2	NO3	S103	PH
06.5	08S	00000	24.05	35.57	24.08		1533.2							
	08S	00010	23.98	35.65	24.16		1533.3							
	08S	00020	24.00	35.66	24.16		1533.5							
	08S	00030	23.38	35.71	24.38		1532.2							
	08S	00050	20.98	36.32	25.52		1527.1							
	08S	00075	19.23	36.22	25.91		1522.7							
	08S	00100	18.35	36.38	26.26		1520.8							
	08S	00125	18.18	36.49	26.39		1520.8							
	08S	00150	17.98	36.49	26.43		1520.7							
	08S	00200	17.53	36.44	26.51		1520.1							
	08S	00250	16.97	36.41	26.62		1519.3							
	08S	00300	16.51	36.33	26.67		1518.6							
	08S	00400	14.99	36.05	26.80		1515.2							
	08S	00500	13.49	35.80	26.93		1511.7							
	08S	00600	12.04	35.59	27.06		1508.2							
	08S	00700	09.82	35.32	27.25		1501.6							
	08S	00770	08.71	35.20	27.34		1498.5							
	08S	00780	09.01	35.31	27.38		1500.0							
	08S	00800	08.49	35.23	27.40		1498.2							
	08S	00900	06.75	35.12	27.57		1493.1							
	08S	00920	07.31	35.32	27.65		1495.8							
	08S	01000	06.29	35.19	27.69		1493.0							
	08S	01100	05.44	35.15	27.76		1491.2							
	08S	01180	05.24	35.12	27.76		1491.7							
	08S	01200	05.39	35.16	27.78		1492.7							
	08S	01300	04.90	35.10	27.75		1492.3							
	08S	01400	04.62	35.08	27.80		1492.8							
	08S	01500	04.42	35.07	27.82		1493.0							
	08S	01750	04.03	35.05	27.84		1493.2							
	08S	02000	03.78	35.05	27.87		1499.4							
	08S	02500	03.22	35.00	27.89		1505.5							
	08S	03000	02.74	34.97	27.91		1512.0							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04389 AIR TEMP 27.2 DIR HGT PFR WIND-OIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0051 MONTH 09 SHIP AI WET BULB 23.6 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 24 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOK DURATION 00.2 2 SQUARE 48  
 LONG 048 08 W HOUR 06.00 AREA 05 CLOUD T/A CL/TR WEATHER Y1 ORIG E46 051 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DYXG	PG4	TOT P	N2	N03	S103	PH
00.2	DBS	00000	23.99	35.59	24.11		1533.1							
	DBS	00010	23.99	35.59	24.11		1533.2							
	DBS	00020	23.73	35.53	24.14		1532.7							
	DBS	00030	23.78	35.62	24.20		1533.1							
	DBS	00040	22.43	35.77	24.64		1520.4							
	DBS	00075	19.48	36.20	25.83		1523.3							
	DBS	00100	18.62	36.48	26.27		1521.7							
	DBS	00125	18.13	36.45	26.37		1520.7							
	DBS	00150	17.70	36.44	26.47		1519.8							
	DBS	00200	17.24	36.45	26.55		1519.3							
	DBS	00250	16.92	36.40	26.64		1519.1							
	DBS	00300	16.63	36.34	26.64		1519.0							
	DBS	00345	16.36	36.30	26.68		1519.9							
	DBS	00400	15.34	36.06	26.77		1516.3							
	DBS	00500	13.63	35.81	26.91		1512.2							
	DBS	00600	12.50	35.63	27.00		1509.8							
	DBS	00640	11.44	35.45	27.09		1506.6							
	DBS	00670	11.38	35.45	27.11		1506.9							
	DBS	00700	10.15	35.31	27.19		1502.8							
	DBS	00800	08.23	35.16	27.38		1497.2							
	DBS	00875	07.29	35.13	27.50		1494.8							
	DBS	00900	07.55	35.28	27.58		1496.4							
	DBS	00920	07.63	35.31	27.59		1497.1							
	DBS	01000	06.26	35.14	27.65		1492.8							
	DBS	01100	05.46	35.05	27.71		1491.2							
	DBS	01200	05.04	35.07	27.75		1491.1							
	DBS	01300	04.78	35.04	27.76		1491.6							
	DBS	01400	04.44	35.03	27.77		1492.4							
	DBS	01500	04.51	35.04	27.76		1492.9							

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REFID 31 8186 YEAR 1970 BOTOP 04572 AIR TEMP 25.0 DIR HGT PFR WIND-OIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0052 MONTH 09 SHIP AI WET BULB 20.6 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 24 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOK DURATION 00.2 2 SQUARE 48  
 LONG 048 01 W HOUR 06.00 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E46 052 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DYXG	PG4	TOT P	N02	N03	S103	PH
06.0	DBS	00000	24.00	35.62	24.13		1533.1							
	DBS	00010	23.98	35.62	24.14		1533.3							
	DBS	00020	23.98	35.65	24.16		1533.4							
	DBS	00030	23.97	35.66	24.17		1533.6							
	DBS	00050	21.32	36.04	25.22		1527.7							
	DBS	00075	18.57	36.28	26.13		1520.9							
	DBS	00085	18.97	36.42	26.13		1522.3							
	DBS	00100	18.67	36.48	26.25		1521.8							
	DBS	00125	18.14	36.47	26.38		1520.7							
	DBS	00150	17.83	36.39	26.40		1520.1							
	DBS	00200	17.29	36.45	26.57		1519.4							
	DBS	00250	16.98	36.40	26.61		1519.3							
	DBS	00300	16.57	36.33	26.65		1518.8							
	DBS	00400	15.14	36.06	26.76		1515.8							
	DBS	00500	13.64	35.83	26.92		1512.2							
	DBS	00600	12.00	35.55	27.03		1508.0							
	DBS	00625	11.56	35.48	27.06		1506.9							
	DBS	00640	11.71	35.54	27.08		1507.7							
	DBS	00700	10.21	35.34	27.20		1503.1							
	DBS	00800	08.35	35.15	27.36		1497.6							
	DBS	00825	07.87	35.17	27.45		1496.2							
	DBS	00860	08.12	35.30	27.51		1497.9							
	DBS	00900	07.75	35.29	27.56		1497.2							
	DBS	00960	07.03	35.21	27.60		1495.3							
	DBS	01000	06.04	35.09	27.64		1491.9							
	DBS	01100	05.36	35.06	27.70		1490.7							
	DBS	01130	05.51	35.11	27.72		1491.9							
	DBS	01200	05.04	35.07	27.75		1491.1							
	DBS	01300	04.78	35.06	27.77		1491.7							
	DBS	01400	04.46	35.04	27.79		1492.1							
	DBS	01500	04.32	35.03	27.80		1493.1							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTDP 04038 AIR TEMP 26.1 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0053 MONTH 09 SHIP A1 WET BULB 22.2 11 1 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 47 N DAY 24 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E66 053 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PL4	TOT P	NO2	NO3	SIG3	PH
12.0	08S	00000	23.98	35.59	24.11		1533.1							
	08S	00010	23.93	35.59	24.13		1533.1							
	08S	00020	23.97	35.65	24.16		1533.4							
	08S	00030	23.87	35.72	24.24		1533.4							
	08S	00050	20.97	36.02	25.30		1526.7							
	08S	00070	18.88	36.09	25.90		1521.5							
	08S	00075	19.22	36.32	25.99		1522.8							
	08S	00100	18.57	36.49	26.29		1521.5							
	08S	00125	18.14	36.51	26.41		1520.8							
	08S	00150	17.58	36.39	26.46		1519.4							
	08S	00155	17.84	36.53	26.50		1520.4							
	08S	00200	17.53	36.48	26.54		1520.2							
	08S	00250	16.98	36.49	26.68		1519.4							
	08S	00300	16.53	36.35	26.68		1518.7							
	08S	00400	15.08	36.05	26.78		1515.5							
	08S	00500	13.48	35.77	26.91		1511.6							
	08S	00600	11.99	35.56	27.04		1508.0							
	08S	00640	11.30	35.52	27.14		1506.2							
	08S	00700	09.94	35.33	27.24		1502.1							
	08S	00765	08.58	35.19	27.35		1498.0							
	08S	00782	08.90	35.30	27.39		1499.6							
	08S	00800	08.59	35.26	27.41		1498.7							
	08S	00870	07.89	35.26	27.51		1497.2							
	08S	00900	06.89	35.12	27.55		1493.6							
	08S	00920	06.53	35.08	27.57		1492.5							
	08S	01000	05.95	35.08	27.64		1491.5							
	08S	01080	05.60	35.09	27.70		1491.4							
	08S	01100	05.45	35.07	27.70		1491.1							
	08S	01200	04.84	35.06	27.76		1490.3							
	08S	01300	04.60	35.05	27.78		1491.0							
	08S	01400	04.46	35.04	27.79		1492.0							
	08S	01510	04.26	35.03	27.80		1493.1							

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REFID 31 8186 YEAR 1970 BOTDP 04206 AIR TEMP 28.5 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206  
 CONSEC 0054 MONTH 09 SHIP A1 WET BULB 24.4 11 2 3 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 24 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.7 2 SQUARE 48  
 LONG 048 00 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E46 054 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PL4	TOT P	NO2	NO3	SIG3	PH
18.0	08S	00000	23.67	35.39	24.05		1532.1							
	08S	00010	23.47	35.43	24.14		1531.8							
	08S	00020	23.24	35.46	24.23		1531.4							
	08S	00030	23.21	35.46	24.24		1531.5							
	08S	00050	20.92	36.08	25.36		1526.7							
	08S	00075	18.94	36.26	26.02		1521.9							
	08S	00100	18.22	36.40	26.31		1520.4							
	08S	00125	17.92	36.53	26.48		1520.1							
	08S	00150	17.63	36.50	26.53		1519.7							
	08S	00200	17.28	36.45	26.58		1519.4							
	08S	00250	16.97	36.40	26.61		1519.2							
	08S	00300	16.39	36.32	26.65		1518.2							
	08S	00400	14.48	35.95	26.84		1513.5							
	08S	00500	13.18	35.73	26.94		1510.6							
	08S	00600	11.51	35.51	27.10		1506.3							
	08S	00700	09.38	35.25	27.27		1499.9							
	08S	00785	07.78	35.14	27.44		1495.2							
	08S	00800	07.99	35.26	27.50		1494.4							
	08S	00900	06.79	35.17	27.60		1493.3							
	08S	01000	05.65	35.10	27.70		1490.3							
	08S	01100	05.31	35.10	27.74		1490.6							
	08S	01200	04.84	35.07	27.77		1490.3							
	08S	01300	04.58	35.06	27.79		1490.9							
	08S	01400	04.28	35.03	27.80		1491.3							
	08S	01500	04.15	35.02	27.81		1492.4							
	08S	01750	03.88	35.03	27.84		1495.5							
	08S	02000	03.67	35.01	27.85		1498.8							
	08S	02500	03.23	34.99	27.88		1505.5							
	08S	03000	02.81	34.95	27.88		1512.3							

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TABLE XXV.—Continued

REFID 31 8186 YEAR 1970 BOTOP 04572 AIR TEMP 23.3 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0055 MONTH 09 SHIP A1 WET BULB 20.0 11 1 3 WIND-SPO 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 25 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR 00.3 2 SQUARE 46  
 LONG 047 52 W HOUR 00.3 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E46 055 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SND VEL	UXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.3	OBS	00000	23.91	35.37	23.97		1532.6							
	OBS	00010	23.59	35.37	24.06		1532.0							
	OBS	00020	23.55	35.36	24.07		1532.1							
	OBS	00030	23.41	35.46	24.18		1532.0							
	OBS	00050	19.98	36.07	25.60		1524.1							
	OBS	00075	18.74	36.38	26.15		1521.6							
	OBS	00100	18.33	36.52	26.37		1520.9							
	OBS	00125	17.98	36.52	26.46		1520.3							
	OBS	00150	17.70	36.51	26.52		1519.9							
	OBS	00200	17.41	36.48	26.57		1519.8							
	OBS	00250	16.99	36.39	26.60		1519.3							
	OBS	00300	16.51	36.31	26.65		1518.6							
	OBS	00400	14.75	35.98	26.60		1514.4							
	OBS	00500	13.50	35.80	26.93		1511.7							
	OBS	00600	11.99	35.57	27.05		1508.0							
	OBS	00700	10.08	35.35	27.23		1502.6							
	OBS	00790	08.22	35.19	27.41		1497.0							
	OBS	00800	08.60	35.29	27.43		1498.7							
	OBS	00900	06.75	35.08	27.54		1493.0							
	OBS	01000	05.68	35.08	27.68		1490.4							
	OBS	01100	05.10	35.06	27.73		1485.7							
	OBS	01200	04.70	35.04	27.76		1489.7							
	OBS	01300	04.57	35.04	27.78		1490.8							
	OBS	01400	04.46	35.03	27.78		1492.0							
	OBS	01500	04.16	35.00	27.79		1492.4							

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REFID 31 8186 YEAR 1970 BOTOP 04572 AIR TEMP 23.9 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0056 MONTH 09 SHIP A1 WET BULB 20.6 11 0 3 WIND-SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR 00.3 2 SQUARE 46  
 LONG 047 53 W HOUR 06.0 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E46 056 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SND VEL	UXYG	PD4	TOT P	NO2	NO3	SI03	PH
06.0	OBS	00000	23.71	35.39	24.04		1532.2							
	OBS	00010	23.71	35.39	24.04		1532.3							
	OBS	00020	23.61	35.40	24.08		1532.3							
	OBS	00030	23.58	35.46	24.13		1532.4							
	OBS	00050	21.63	35.98	25.08		1528.4							
	OBS	00075	20.98	36.52	25.67		1527.8							
	OBS	00100	18.33	36.42	26.29		1520.8							
	OBS	00125	17.67	36.44	26.47		1519.3							
	OBS	00130	17.89	36.51	26.47		1520.1							
	OBS	00150	17.71	36.51	26.52		1519.9							
	OBS	00200	17.38	36.48	26.57		1519.7							
	OBS	00250	16.79	36.39	26.65		1518.7							
	OBS	00300	16.44	36.29	26.65		1518.3							
	OBS	00400	14.69	35.95	26.79		1514.1							
	OBS	00500	13.26	35.73	26.92		1510.8							
	OBS	00600	11.79	35.54	27.07		1507.3							
	OBS	00700	09.51	35.25	27.25		1500.4							
	OBS	00745	08.70	35.20	27.34		1498.1							
	OBS	00760	09.03	35.31	27.38		1499.7							
	OBS	00800	08.42	35.25	27.43		1498.0							
	OBS	00900	06.35	35.06	27.58		1491.4							
	OBS	01000	05.71	35.08	27.67		1490.5							
	OBS	01080	05.20	35.05	27.71		1489.7							
	OBS	01100	05.19	35.07	27.73		1490.1							
	OBS	01140	04.85	35.03	27.74		1489.3							
	OBS	01200	04.67	35.03	27.76		1489.6							
	OBS	01300	04.43	35.01	27.77		1490.2							
	OBS	01400	04.28	35.01	27.79		1491.3							
	OBS	01500	04.19	35.00	27.79		1492.6							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTOP 04206	AIR TEMP 25.0	DIR HGT PER	WIND-DIR 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0057	MONTH 09	SHIP A1	WET BULB 21.1	31	WIND-SPD 10	TRACE DIR 0	5 SQUARE 4
LAT 35 03 N	DAY 25	DATA USE 1	BAROMETR 1019.6	SEA 2	WIND-FOR	DURATION 00.3	2 SQUARE 4.6
LONG 047 59 W	HOUR 12.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E46 057	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	24.08	35.85	24.28		1533.6							
	085	00010	24.04	35.84	24.29		1533.6							
	085	00020	23.96	35.84	24.31		1533.6							
	085	00030	23.95	35.87	24.33		1533.8							
	085	00050	21.33	35.79	25.02		1527.4							
	085	00060	19.48	36.03	25.70		1522.9							
	085	00068	19.63	36.33	25.89		1523.8							
	085	00075	18.55	36.27	26.12		1520.8							
	085	00100	18.01	36.42	26.37		1519.9							
	085	00105	17.76	36.38	26.41		1519.2							
	085	00110	17.88	36.45	26.43		1519.7							
	085	00125	17.53	36.41	26.48		1518.9							
	085	00150	17.38	36.42	26.53		1518.8							
	085	00200	17.18	36.44	26.59		1519.1							
	085	00230	16.93	36.41	26.63		1518.8							
	085	00250	16.99	36.44	26.64		1519.4							
	085	00300	16.14	36.22	26.67		1517.3							
	085	00400	14.44	35.92	26.82		1513.3							
	085	00470	13.41	35.75	26.91		1510.9							
	085	00480	13.54	35.80	26.92		1511.5							
	085	00500	13.40	35.78	26.93		1511.4							
	085	00600	11.93	35.56	27.06		1507.8							
	085	00700	09.89	35.30	27.22		1501.9							
	085	00742	08.91	35.20	27.31		1498.8							
	085	00750	09.05	35.26	27.33		1499.6							
	085	00800	07.75	35.14	27.44		1495.3							
	085	00830	07.25	35.15	27.52		1493.9							
	085	00853	07.67	35.28	27.56		1496.1							
	085	00900	06.90	35.14	27.56		1493.7							
	085	00910	06.55	35.14	27.61		1492.5							
	085	00950	06.30	35.13	27.64		1492.1							
	085	00970	05.75	35.08	27.67		1490.2							
	085	01000	05.63	35.08	27.68		1490.2							
	085	01060	05.50	35.08	27.70		1490.7							
	085	01070	05.19	35.04	27.71		1489.5							
	085	01100	05.10	35.06	27.73		1489.7							
	085	01200	04.75	35.05	27.77		1489.9							
	085	01300	04.58	35.04	27.78		1490.9							
	085	01400	04.36	35.02	27.78		1491.6							
	085	01500	04.05	34.98	27.79		1491.9							

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REFID 31 8186	YEAR 1970	BOTOP 04389	AIR TEMP 26.7	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0058	MONTH 09	SHIP A1	WET BULB 22.8	31 1 3	WIND-SPD 16	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 25	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 4.6
LONG 047 55 W	HOUR 17.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E46 058	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.6	085	00000	23.83	35.53	24.11		1532.6							
	085	00010	23.53	35.46	24.15		1532.0							
	085	00020	23.48	35.52	24.21		1532.1							
	085	00030	23.34	35.58	24.29		1532.0							
	085	00050	21.13	36.23	25.41		1527.4							
	085	00075	19.08	36.27	25.99		1522.3							
	085	00100	17.88	36.41	26.40		1519.5							
	085	00125	18.03	36.53	26.45		1520.5							
	085	00150	17.63	36.51	26.54		1519.7							
	085	00200	17.23	36.46	26.60		1519.3							
	085	00250	16.73	36.36	26.64		1518.5							
	085	00300	16.23	36.28	26.70		1517.7							
	085	00400	14.24	35.90	26.85		1512.6							
	085	00500	13.04	35.69	26.94		1510.1							
	085	00600	11.24	35.48	27.12		1505.3							
	085	00700	08.99	35.19	27.29		1498.4							
	085	00740	08.15	35.17	27.40		1495.9							
	085	00760	08.54	35.30	27.45		1497.9							
	085	00800	08.22	35.29	27.49		1497.3							
	085	00900	06.19	35.10	27.63		1490.8							
	085	01000	05.43	35.10	27.72		1489.4							
	085	01100	05.00	35.08	27.76		1489.3							
	085	01200	04.70	35.09	27.80		1489.8							
	085	01300	04.51	35.07	27.81		1490.6							
	085	01400	04.27	35.05	27.82		1491.3							
	085	01500	04.10	35.03	27.82		1492.2							
	085	01750	03.85	35.02	27.84		1495.4							
	085	02000	03.67	35.01	27.85		1498.8							
	085	02500	03.26	34.99	27.87		1505.6							
	085	03000	02.82	34.95	27.88		1512.3							

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TABLE XXV.—Continued

REFID 31 8186	YEAR 1970	BOTDP 04755	AIR TEMP 22.8	OIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1206
CONSEC 0059	MONTH 09	SHIP AI	WET BULB 19.4	30 1 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 34 54 N	DAY 26	DATA USE 1	BAROMETR 1019.6	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 55 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E46 059	1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.14	35.74	24.18		1533.6							
	OBS	00010	23.98	35.71	24.20		1533.4							
	OBS	00020	24.00	35.81	24.27		1533.7							
	OBS	00030	24.00	35.81	24.27		1533.8							
	OBS	00050	23.78	35.80	24.33		1533.6							
	OBS	00075	20.32	36.27	25.60		1525.7							
	OBS	00100	18.73	36.31	26.11		1521.8							
	OBS	00125	17.87	36.43	26.42		1519.9							
	OBS	00150	17.68	36.43	26.46		1519.7							
	OBS	00200	17.30	36.44	26.56		1519.5							
	OBS	00250	16.99	36.39	26.60		1519.3							
	OBS	00300	16.51	36.31	26.65		1518.6							
	OBS	00400	15.06	36.04	26.78		1515.4							
	OBS	00500	13.51	35.79	26.92		1511.7							
	OBS	00600	11.97	35.54	27.03		1507.9							
	OBS	00700	09.99	35.30	27.21		1502.2							
	OBS	00792	08.01	35.15	27.41		1496.2							
	OBS	00800	08.25	35.23	27.44		1497.3							
	OBS	00815	08.43	35.29	27.45		1498.5							
	OBS	00900	06.64	35.07	27.54		1492.6							
	OBS	01000	05.77	35.08	27.67		1490.8							
	OBS	01080	05.10	35.02	27.70		1489.3							
	OBS	01100	05.17	35.06	27.72		1490.0							
	OBS	01115	05.24	35.07	27.72		1490.5							
	OBS	01200	04.87	35.05	27.75		1490.4							
	OBS	01300	04.60	35.04	27.77		1490.9							
	OBS	01400	04.49	35.02	27.77		1492.1							
	OBS	01500	04.29	35.01	27.78		1493.0							

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TABLE XXVI.—Observed and interpolated oceanographic data for stations taken by USCGC CHASE at Ocean Station ECIO, 29 September 1970 - 22 October 1970, prepared from NODC listing No. 31 - 8226.

REFID 31 8226 YEAR 1970 BOTOP 04846 AIR TEMP 25. DIR HGT PFR WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0001 MONTH 09 SHIP E1 WET BULB 23. DIR HGT PFR WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 29 DATA USE 1 BAROMETR 1027.1 SEA WIND-F3F DURATION 00.6 2 SQUARE 48  
 LONG 048 04 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 001 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
12.0	OBS	00000	23.95	35.74	24.24		1533.1							
	OBS	00010	23.82	35.69	24.24		1532.9							
	OBS	00020	23.55	35.69	24.32		1532.4							
	OBS	00030	23.54	35.71	24.33		1532.6							
	OBS	00050	24.07	35.94	24.35		1534.5							
	OBS	00075	20.47											
	OBS	00100	19.07											
	OBS	00125	18.06											
	OBS	00150	17.71											
	OBS	00200	17.60											
	OBS	00250	17.24											
	OBS	00300	16.97											
	OBS	00400	15.56											
	OBS	00500	13.90											
	OBS	00600	12.31											
	OBS	00675	10.46											
	OBS	00700	10.69											
	OBS	00725	09.84											
	OBS	00745	09.97											
	OBS	00800	08.21	35.12	27.36		1497.0							
	OBS	00845	07.71	35.15	27.45		1495.9							
	OBS	00860	08.10	35.27	27.49		1497.8							
	OBS	00900	06.82	35.09	27.54		1493.3							
	OBS	00920	06.61	35.09	27.56		1492.8							
	OBS	00950	07.03	35.23	27.62		1495.1							
	OBS	01000	06.07	35.09	27.64		1492.0							
	OBS	01100	05.33	35.08	27.72		1490.6							
	OBS	01200	04.94	35.07	27.76		1490.7							
	OBS	01300	04.62	35.04	27.77		1491.0							
	OBS	01400	04.49	35.03	27.78		1492.1							
	OBS	01500	04.34	35.02	27.79		1493.2							

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REFID 31 8226 YEAR 1970 BOTOP 04938 AIR TEMP 28. DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 09 SHIP E1 WET BULB 25. DIR HGT PER WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 29 DATA USE 1 BAROMETR SEA WIND-F3F DURATION 00.4 2 SQUARE 48  
 LONG 048 07 W HOUR 18.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 002 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
18.1	OBS	00000	24.57											
	OBS	00010	24.22											
	OBS	00020	24.22											
	OBS	00030	24.23											
	OBS	00050	23.02											
	OBS	00075	20.27											
	OBS	00100	18.37											
	OBS	00125	18.10											
	OBS	00150	17.72											
	OBS	00200	17.43											
	OBS	00250	17.16											
	OBS	00300	17.06											
	OBS	00400	15.79											
	OBS	00500	13.82											
	OBS	00600	12.27											
	OBS	00700	10.01											
	OBS	00725	10.14											
	OBS	00760	08.76											
	OBS	00800	08.05	35.12	27.38		1496.3							
	OBS	00830	07.76	35.12	27.42		1495.7							
	OBS	00842	07.87	35.18	27.45		1496.4							
	OBS	00885	06.97	35.11	27.53		1493.6							
	OBS	00900	07.63	35.28	27.57		1496.6							
	OBS	01000	05.83	35.07	27.65		1490.9							
	OBS	01040	05.47	35.05	27.68		1490.1							
	OBS	01100	05.29	35.08	27.73		1490.4							
	OBS	01200	04.95	35.07	27.76		1490.7							
	OBS	01300	04.64	35.05	27.78		1491.0							
	OBS	01400	04.49	35.02	27.77		1492.0							
	OBS	01500	04.32	35.01	27.78		1493.0							

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TABLE XXVI.—Continued

REFID 31 8226	YEAR 1970	BOTOP 05029	AIR TEMP 24.	DIP HGT PER 13 1 2	WIND-DIR 12	INST STD RECORDER	TFN SQ 1206
CONSEC 0003	MONTH 09	SHIP E1	WET BULB 23.		WIND-SPD 12	TRACE DIP 0	5 SQUARE 2
LAT 34 57 N	DAY 30	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FRQ	DURATION 00.6	2 SQUARE 40
LONG 047 58 W	HOUP 00.1	AREA 05	CLOUD T/3	CL/TR	WEATHER X0	ORIG F47 003	1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	OXYG	PU4	TOT P	N02	N03	S103	PH
00.1	OBS	00000	24.45											
	OBS	00010	24.44											
	OBS	00020	24.25											
	OBS	00030	24.23											
	OBS	00050	22.77											
	OBS	00075	19.95											
	OBS	00100	18.60											
	OBS	00125	18.17											
	OBS	00150	17.82											
	OBS	00200	17.42											
	OBS	00250	17.18											
	OBS	00300	17.10											
	OBS	00340	16.89											
	OBS	00400	16.07											
	OBS	00500	14.17											
	OBS	00600	12.67											
	OBS	00700	09.86											
	OBS	00715	09.72											
	OBS	00722	09.99											
	OBS	00732	09.71											
	OBS	00740	09.81											
	OBS	00800	08.31											
	OBS	00843	07.47	35.11	27.46		1494.8							
	OBS	00850	07.84	35.20	27.47		1496.5							
	OBS	00900	06.74	35.10	27.55		1492.9							
	OBS	00935	07.11	35.23	27.60		1495.1							
	OBS	01000	06.02	35.10	27.65		1491.7							
	OBS	01100	05.19	35.05	27.71		1489.9							
	OBS	01130	05.25	35.06	27.71		1490.7							
	OBS	01200	05.02	35.07	27.75		1490.9							
	OBS	01300	04.72	35.05	27.77		1491.3							
	OBS	01400	04.53	35.03	27.77		1492.2							
	OBS	01500	04.35	35.02	27.79		1493.1							

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REFID 31 8226	YEAR 1970	BOTOP 04938	AIR TEMP 24.	DIP HGT PER 10 0 2	WIND-DIR 10	INST STD RECORDER	TFN SQ 1206
CONSEC 0004	MONTH 09	SHIP E1	WET BULB 23.		WIND-SPD 15	TRACE DIP 0	5 SQUARE 2
LAT 34 58 N	DAY 30	DATA USE 1	BAROMETR 1024.4	SEA	WIND-FRQ	DURATION 00.5	2 SQUARE 40
LONG 048 10 W	HOUP 06.2	AREA 05	CLOUD T/3	CL/TR	WEATHER X1	ORIG F47 004	1 SQUARE 44

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	OXYG	PU4	TOT P	N02	N03	S103	PH
00.2	OBS	00000	23.39											
	OBS	00010	23.43											
	OBS	00020	23.57											
	OBS	00030	23.45											
	OBS	00050	20.08											
	OBS	00075	18.33											
	OBS	00100	17.88											
	OBS	00125	17.50											
	OBS	00150	17.41											
	OBS	00200	17.10											
	OBS	00250	16.66											
	OBS	00300	15.77											
	OBS	00400	14.18											
	OBS	00500	12.90											
	OBS	00540	12.36											
	OBS	00580	11.12											
	OBS	00592	11.29											
	OBS	00600	11.01											
	OBS	00700	09.06											
	OBS	00730	08.48											
	OBS	00745	08.69											
	OBS	00800	07.35	35.14	27.50		1493.7							
	OBS	00845	06.58	35.10	27.59		1491.3							
	OBS	00900	06.25	35.13	27.64		1491.0							
	OBS	01000	05.37	35.09	27.72		1489.1							
	OBS	01100	04.89	35.08	27.77		1488.8							
	OBS	01200	04.66	35.06	27.78		1489.4							
	OBS	01300	04.35	35.04	27.80		1489.9							
	OBS	01400	04.24	35.02	27.80		1491.0							
	OBS	01500	04.10	35.01	27.81		1492.1							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04938 AIR TEMP 25. DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 09 SHIP E1 WET BULB 23. 07 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2  
 LAT 34 44 N DAY 30 DATA USE 1 BAROMFTR 1023.0 SEA WIND-FDR DURATION 00.8 2 SQUARE 46  
 LONG 047 54 W HOUR 12.2 AREA 05 CLOUD T/A CL/TX WEATHER XI ORIG E47 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.2	OBS	0000	23.56											
	OBS	0010	23.59											
	OBS	0020	23.75											
	OBS	0030	23.70											
	OBS	0050	22.27											
	OBS	0075	18.99											
	OBS	00100	18.24											
	OBS	00125	17.84											
	OBS	00150	17.67											
	OBS	00190	17.20											
	OBS	00200	17.26											
	OBS	00250	16.87											
	OBS	00300	16.50											
	OBS	00400	14.98											
	OBS	00500	13.23											
	OBS	00600	11.79											
	OBS	00675	09.93											
	OBS	00690	10.29											
	OBS	00700	09.64											
	OBS	00789	07.92											
	OBS	00900	08.00											
	OBS	00905	08.37											
	OBS	00930	08.25											
	OBS	00900	06.62	35.16	27.62		1492.5							
	OBS	00920	06.32	35.16	27.66		1491.6							
	OBS	00940	06.35	35.16	27.65		1492.1							
	OBS	01000	05.76	35.12	27.70		1490.7							
	OBS	01020	05.81	35.15	27.72		1491.2							
	OBS	01060	05.38	35.12	27.75		1490.1							
	OBS	01100	05.28	35.11	27.75		1490.4							
	OBS	01200	04.80	35.09	27.79		1490.0							
	OBS	01300	04.64	35.08	27.80		1491.0							
	OBS	01400	04.41	35.05	27.80		1491.7							
	OBS	01500	04.23	35.05	27.82		1492.7							

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REFID 31 8226 YEAR 1970 BOTDP 02926 AIR TEMP 25.6 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 09 SHIP E1 WET BULB 23.3 09 4 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2  
 LAT 34 55 N DAY 30 DATA USE 1 BAROMETR 1021.0 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 18.2 AREA 05 CLOUD T/A CL/TX WEATHER XI ORIG E47 006 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
18.2	OBS	0000	24.09											
	OBS	00010	24.09											
	OBS	00020	24.01											
	OBS	00030	23.89											
	OBS	00035	24.06											
	OBS	00050	22.96											
	OBS	00075	20.25											
	OBS	00100	19.01											
	OBS	00125	18.18											
	OBS	00150	17.96											
	OBS	00200	17.62											
	OBS	00250	17.33											
	OBS	00300	17.16											
	OBS	00370	16.96											
	OBS	00400	16.59											
	OBS	00500	14.14											
	OBS	00532	13.91											
	OBS	00600	12.65											
	OBS	00700	10.39											
	OBS	00755	09.63											
	OBS	00760	09.78											
	OBS	00800	08.36											
	OBS	00900	06.77	35.13	27.57		1493.0							
	OBS	00915	06.83	35.18	27.60		1493.6							
	OBS	01000	05.82	35.14	27.71		1490.9							
	OBS	01080	05.22	35.10	27.75		1489.8							
	OBS	01100	05.21	35.12	27.77		1490.1							
	OBS	01200	04.97	35.11	27.79		1490.8							
	OBS	01300	04.81	35.10	27.80		1491.8							
	OBS	01400	04.47	35.06	27.80		1492.0							
	OBS	01500	04.22	35.04	27.82		1492.6							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04389 AIR TEMP 24. DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CGNSC 0007 MONTH 10 SHIP E1 WET BULB 21. WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 01 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR WIND-FOR 00.5 2 SQUARE 4R  
 LONG 048 18 W HOUR 00.5 AREA 05 CLOUD T/A CL/T/ WEATHER X0 DRIG E47 007 1 SQUARE 5R

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIJ3	PH
00.5	OBS	0000	23.23											
	OBS	0010	24.23											
	OBS	0020	24.23											
	OBS	0030	24.14											
	OBS	0050	22.51											
	OBS	0075	20.26											
	OBS	0100	18.96											
	OBS	0125	18.26											
	OBS	0150	16.04											
	OBS	0200	17.69											
	OBS	0250	17.46											
	OBS	0300	17.13											
	OBS	0330	16.99											
	OBS	0400	16.55											
	OBS	0500	14.92											
	OBS	0600	12.75											
	OBS	0700	09.83											
	OBS	0800	08.27	35.10	27.33		1497.1							
	OBS	0855	07.08	35.16	27.55		1493.6							
	OBS	0900	07.03	35.19	27.58		1494.1							
	OBS	1000	06.00	35.17	27.71		1491.7							
	OBS	1100	05.35	35.15	27.77		1490.7							
	OBS	1200	04.84	35.13	27.82		1490.3							
	OBS	1300	04.49	35.09	27.83		1490.5							
	OBS	1400	04.26	35.06	27.83		1491.1							
	OBS	1500	04.22	35.07	27.84		1492.7							

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REFID 31 8226 YEAR 1970 BOTOP 04938 AIR TEMP 24. DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CGNSC 0008 MONTH 10 SHIP E1 WET BULB 21. WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 01 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR WIND-FOR 00.4 2 SQUARE 46  
 LONG 047 56 W HOUR 06.2 AREA 05 CLOUD T/A CL/T/ WEATHER X1 DRIG E47 008 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIJ3	PH
06.2	OBS	0000	23.48											
	OBS	0010	23.50											
	OBS	0020	23.42											
	OBS	0030	23.21											
	OBS	0050	22.41											
	OBS	0075	19.49											
	OBS	0100	18.66											
	OBS	0125	18.17											
	OBS	0150	17.91											
	OBS	0200	17.35											
	OBS	0250	16.94											
	OBS	0300	16.40											
	OBS	0400	14.64											
	OBS	0500	13.50											
	OBS	0600	11.74											
	OBS	0635	10.55											
	OBS	0700	09.35											
	OBS	0800	07.25	35.13	27.51		1493.3							
	OBS	0820	07.53	35.24	27.55		1494.8							
	OBS	0835	06.96	35.16	27.57		1492.8							
	OBS	0850	07.55	35.28	27.58		1495.5							
	OBS	0900	06.25	35.12	27.64		1491.0							
	OBS	1000	05.53	35.12	27.73		1489.7							
	OBS	1100	05.13	35.11	27.77		1489.8							
	OBS	1200	04.66	35.08	27.80		1489.5							
	OBS	1300	04.41	35.06	27.81		1490.1							
	OBS	1400	04.24	35.05	27.82		1491.0							
	OBS	1440	04.17	35.04	27.82		1492.3							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04755 AIR TEMP 24. DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 10 SHIP E1 WET BULB 22. 12 WIND-SPO 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 01 DATA USE 1 BAROMETR 1018.3 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 57.5W HOUR 12.2 AREA 05 CLUD T/A CLZTR WEATHER XI ORIG E47 009 1 SQUARE 47

CASNUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P-4	TOT P	NO2	NO3	SIJ3	PH
12.2	OBS	0000	23.43											
	OBS	0010	23.42											
	OBS	0020	23.08											
	OBS	0030	23.03											
	OBS	0050	22.07											
	OBS	0075	19.20											
	OBS	00100	18.51											
	OBS	00125	17.91											
	OBS	00150	17.83											
	OBS	00200	17.47											
	OBS	00250	17.22											
	OBS	00300	16.97											
	OBS	00400	16.17											
	OBS	00485	14.48											
	OBS	00492	14.57											
	OBS	00500	14.26											
	OBS	00600	11.99											
	OBS	00700	09.19											
	OBS	00800	07.11	35.11	27.51		1492.7							
	OBS	00855	06.50	35.17	27.64		1491.3							
	OBS	00880	06.57	35.19	27.65		1492.0							
	OBS	00900	06.03	35.13	27.67		1490.1							
	OBS	00930	06.15	35.19	27.70		1491.2							
	OBS	01000	05.45	35.12	27.74		1489.4							
	OBS	01100	05.10	35.12	27.78		1489.7							
	OBS	01200	04.75	35.10	27.80		1489.9							
	OBS	01260	04.44	35.07	27.82		1489.6							
	OBS	01300	04.44	35.07	27.82		1490.2							
	OBS	01400	04.20	35.05	27.83		1490.9							
	OBS	01500	04.08	35.04	27.83		1492.0							

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REFID 31 8226 YEAR 1970 BOTOP 04846 AIR TEMP 25.6 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 10 SHIP E1 WET BULB 22.2 10 2 3 WIND-SPO 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1015.9 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 50 W HOUR 18.3 AREA 05 CLUD T/A CLZTR WEATHER XI ORIG E47 010 1 SQUARE 57

CASNUM/TIME	LVLTYF	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P-4	TOT P	NO2	NO3	SIJ3	PH
18.3	OBS	0000	23.67											
	OBS	0010	23.64											
	OBS	0020	23.70											
	OBS	0030	23.30											
	OBS	0050	23.00											
	OBS	0075	19.60											
	OBS	00100	18.70											
	OBS	00125	18.14											
	OBS	00150	17.85											
	OBS	00200	17.47											
	OBS	00250	17.17											
	OBS	00300	17.10											
	OBS	00350	16.82											
	OBS	00400	16.22											
	OBS	00500	14.46											
	OBS	00600	12.31											
	OBS	00700	09.80											
	OBS	00800	07.33											
	OBS	00847	06.61											
	OBS	00880	06.69											
	OBS	00900	06.51											
	OBS	00918	06.71											
	OBS	00945	05.91											
	OBS	01000	05.46											
	OBS	01100	04.88											
	OBS	01200	04.58											
	OBS	01300	04.39											
	OBS	01400	04.26											
	OBS	01490	04.13											

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04846 AIR TEMP 24. OIR HGT PER WIND-DIR 14 INST STO RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 10 SHIP E1 WET BULB 22. 10 2 4 WIND-SPO 07 TRACE OIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 02 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 00.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E47 011 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	N02	N03	S103	PH
00.0	085	00000	24.10	35.96	24.36		1533.8							
	085	00010	24.10	35.96	24.36		1533.9							
	085	00020	24.10	35.99	24.38		1534.1							
	085	00030	24.16	36.16	24.49		1534.6							
	085	00050	22.25	36.31	25.16		1530.4							
	085	00075	19.57	36.57	26.09		1524.0							
	085	00100	18.76	36.57	26.30		1522.2							
	085	00125	18.08	36.55	26.46		1520.6							
	085	00150	17.89	36.56	26.51		1520.5							
	085	00200	17.45	36.52	26.59		1520.0							
	085	00250	17.18	36.49	26.63		1520.0							
	085	00265	17.08	36.47	26.64		1519.9							
	085	00300	17.08	36.48	26.65		1520.5							
	085	00340	16.88	36.46	26.68		1520.5							
	085	00400	15.75	36.22	26.76		1517.8							
	085	00500	14.04	35.92	26.91		1513.6							
	085	00600	11.87	35.54	27.05		1507.5							
	085	00700	09.67	35.28	27.25		1501.0							
	085	00800	07.37	35.09	27.46		1493.8							
	085	00885	06.84	35.11	27.55		1493.1							
	085	00890	06.96	35.18	27.59		1493.8							
	085	00900	06.74	35.13	27.58		1493.0							
	085	00910	06.44	35.09	27.59		1492.0							
	085	00930	06.86	35.22	27.63		1494.1							
	085	00955	06.01	35.11	27.66		1491.0							
	085	01000	05.81	35.10	27.68		1491.0							
	085	01100	05.15	35.08	27.74		1489.9							
	085	01200	04.79	35.07	27.76		1490.1							
	085	01300	04.53	35.06	27.80		1490.7							
	085	01400	04.37	35.04	27.80		1491.7							
	085	01500	04.25	35.03	27.80		1492.8							

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REFID 31 8226 YEAR 1970 BOTOP 04755 AIR TEMP 24. OIR HGT PER WIND-DIR 17 INST STO RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 10 SHIP E1 WET BULB 23. 12 WIND-SPO 15 TRACE OIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 012 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	N02	N03	S103	PH
06.6	085	00000	23.92	35.90	24.37		1533.3							
	085	00010	23.91	35.90	24.37		1533.4							
	085	00020	23.93	35.94	24.39		1533.7							
	085	00030	24.09	36.11	24.47		1534.4							
	085	00034	24.18	36.21	24.52		1534.8							
	085	00050	23.90	36.30	24.67		1534.5							
	085	00075	20.70	36.57	25.79		1527.1							
	085	00100	19.50	36.63	26.15		1524.3							
	085	00125	18.65	36.58	26.34		1522.3							
	085	00150	18.21	36.58	26.45		1521.4							
	085	00200	17.80	36.56	26.53		1521.1							
	085	00225	17.57	36.51	26.55		1520.7							
	085	00250	17.57	36.53	26.57		1521.2							
	085	00300	17.29	36.51	26.62		1521.2							
	085	00345	17.08	36.48	26.65		1521.2							
	085	00400	16.36	36.29	26.67		1519.7							
	085	00500	14.88	36.05	26.82		1516.5							
	085	00600	12.72	35.69	27.00		1510.6							
	085	00700	10.35	35.34	27.18		1503.6							
	085	00800	07.89	35.14	27.42		1495.8							
	085	00862	06.91	35.10	27.53		1493.0							
	085	00900	06.83	35.16	27.55		1493.4							
	085	01000	05.82	35.12	27.69		1491.0							
	085	01050	05.39	35.09	27.72		1490.1							
	085	01070	05.61	35.15	27.74		1491.4							
	085	01100	05.47	35.15	27.76		1491.3							
	085	01200	04.95	35.08	27.77		1490.8							
	085	01300	04.57	35.05	27.75		1490.8							
	085	01400	04.53	35.07	27.81		1492.4							
	085	01500	04.29	35.05	27.82		1493.0							

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TABLE XXVI.—Continued

REF ID 31 8226 YEAP 1970 BOTOP 04572 AIP TEMP 24.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 10 SHIP E1 WET BULB 23.3 22 WIND-SPO 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 02 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 59 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR 4FATHER X1 ORIG E47 013 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.1	JBS	00000	24.25	36.16	24.46		1534.3							
	JBS	00010	24.23	36.16	24.47		1534.5							
	JBS	00020	24.23	36.17	24.48		1534.6							
	JBS	00030	24.24	36.21	24.51		1534.9							
	JBS	00037	24.30	36.23	24.56		1535.2							
	JBS	00050	24.16	36.24	24.55		1535.1							
	JBS	00075	20.75	36.60	25.60		1527.3							
	JBS	00100	19.05	36.56	26.22		1523.0							
	JBS	00125	18.50	36.54	26.34		1521.8							
	JBS	00150	18.00	36.55	26.48		1520.8							
	JBS	00200	17.62	36.53	26.55		1520.5							
	JBS	00250	17.31	36.50	26.61		1520.4							
	JBS	00300	17.08	36.46	26.63		1520.5							
	JBS	00400	16.17	36.29	26.72		1519.2							
	JBS	00500	14.22	35.90	26.85		1514.2							
	JBS	00505	14.27	35.93	26.87		1514.5							
	JBS	00600	12.16	35.60	27.04		1508.6							
	JBS	00700	09.50	35.27	27.27		1500.4							
	JBS	00740	09.06	35.24	27.32		1499.4							
	JBS	00800	07.10	35.05	27.46		1492.7							
	JBS	00850	06.65	35.07	27.54		1491.8							
	JBS	00870	06.82	35.16	27.55		1492.0							
	JBS	00900	06.42	35.15	27.64		1491.8							
	JBS	01000	05.62	35.10	27.70		1490.2							
	JBS	01030	05.37	35.09	27.72		1489.7							
	JBS	01045	05.47	35.11	27.73		1490.3							
	JBS	01080	05.26	35.11	27.75		1490.1							
	JBS	01100	05.14	35.12	27.76		1490.5							
	JBS	01200	04.91	35.10	27.75		1490.6							
	JBS	01300	04.59	35.07	27.80		1490.9							
	JBS	01400	04.24	35.02	27.80		1491.1							
	JBS	01500	04.12	35.01	27.90		1492.3							

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REF ID 31 8226 YEAP 1970 BOTOP 03499 AIP TEMP 25.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 10 SHIP E1 WET BULB 23.9 11 2 3 WIND-SPO 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 00 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 014 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
18.2	JBS	00000	24.32	36.24	24.50		1534.6							
	JBS	00010	24.30	36.24	24.51		1534.7							
	JBS	00020	24.26	36.24	24.52		1534.8							
	JBS	00030	24.23	36.24	24.53		1534.9							
	JBS	00050	22.10	36.44	25.30		1530.2							
	JBS	00075	19.57	36.46	26.01		1523.9							
	JBS	00100	18.60	36.49	26.28		1521.6							
	JBS	00125	18.00	36.52	26.45		1520.4							
	JBS	00150	17.74	36.54	26.53		1520.0							
	JBS	00200	17.48	36.53	26.59		1520.1							
	JBS	00250	17.21	36.50	26.63		1520.1							
	JBS	00300	17.12	36.49	26.65		1520.6							
	JBS	00345	16.87	36.45	26.67		1520.6							
	JBS	00400	16.04	36.27	26.73		1518.7							
	JBS	00500	14.26	35.95	26.88		1514.4							
	JBS	00600	12.14	35.60	27.05		1508.6							
	JBS	00700	09.79	35.32	27.26		1501.5							
	JBS	00718	09.85	35.39	27.30		1502.1							
	JBS	00800	07.39	35.07	27.44		1493.8							
	JBS	00855	06.63	35.08	27.55		1491.8							
	JBS	00900	06.64	35.17	27.62		1492.7							
	JBS	01000	05.74	35.12	27.70		1490.7							
	JBS	01040	05.31	35.09	27.73		1489.6							
	JBS	01072	05.41	35.12	27.74		1490.6							
	JBS	01100	05.34	35.12	27.75		1490.7							
	JBS	01200	04.96	35.11	27.75		1490.9							
	JBS	01300	04.56	35.07	27.80		1491.5							
	JBS	01400	04.33	35.02	27.75		1491.5							
	JBS	01445	04.15	35.00	27.75		1491.5							
	JBS	01500	04.15	35.00	27.75		1492.4							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04206 AIR TEMP 24. DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 10 SHIP E1 WET BULB 24. 22 2 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 49  
 LONG 048 04 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 015 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	XYG	P04	TOT P	N02	N03	S103	PH
00.1	OBS	00000	24.54	36.29	24.48		1535.2							
	OBS	00010	23.85	36.31	24.70		1533.7							
	OBS	00020	23.25	36.38	24.93		1532.5							
	OBS	00030	21.35	36.42	25.50		1527.9							
	OBS	00050	19.12	36.53	26.18		1522.3							
	OBS	00075	18.35	36.55	26.39		1520.6							
	OBS	00100	17.95	36.55	26.45		1519.8							
	OBS	00125	17.75	36.55	26.54		1519.7							
	OBS	00150	17.58	36.54	26.57		1516.6							
	OBS	00200	17.32	36.49	26.60		1519.6							
	OBS	00250	17.24	36.49	26.62		1520.2							
	OBS	00300	16.89	36.41	26.64		1519.8							
	OBS	00400	15.64	36.17	26.75		1517.4							
	OBS	00500	13.55	35.77	26.85		1511.9							
	OBS	00600	12.03	35.57	27.04		1508.1							
	OBS	00700	09.44	35.26	27.27		1500.2							
	OBS	00800	07.44	35.08	27.44		1494.0							
	OBS	00852	06.61	35.06	27.54		1491.6							
	OBS	00880	06.66	35.14	27.60		1492.4							
	OBS	00900	06.51	35.14	27.67		1492.1							
	OBS	01000	05.81	35.13	27.70		1491.0							
	OBS	01060	05.26	35.09	27.74		1489.7							
	OBS	01100	05.32	35.11	27.75		1490.7							
	OBS	01200	04.74	35.08	27.79		1489.9							
	OBS	01300	04.62	35.07	27.80		1491.1							
	OBS	01400	04.42	35.06	27.81		1491.9							
	OBS	01500	04.16	35.02	27.81		1492.5							

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REFID 31 8226 YEAR 1970 BOTOP 03109 AIR TEMP 24. DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 10 SHIP E1 WET BULB 23. 21 2 3 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 03 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 14 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 016 1 SQUARE 59

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	XYG	P04	TOT P	N02	N03	S103	PH
18.0	OBS	00000	24.58	36.12	24.34		1535.1							
	OBS	00010	24.26	36.10	24.42		1534.5							
	OBS	00020	24.09	36.16	24.51		1534.3							
	OBS	00030	22.51	36.28	25.06		1530.7							
	OBS	00050	20.51	36.47	25.76		1526.1							
	OBS	00075	19.21	36.52	26.15		1523.0							
	OBS	00100	18.31	36.50	26.36		1520.4							
	OBS	00125	17.85	36.51	26.42		1519.9							
	OBS	00150	17.64	36.51	26.53		1519.7							
	OBS	00200	17.34	36.49	26.55		1519.6							
	OBS	00250	17.16	36.47	26.62		1519.9							
	OBS	00300	17.10	36.47	26.64		1520.5							
	OBS	00350	16.93	36.44	26.65		1520.8							
	OBS	00400	16.51	36.35	26.68		1520.3							
	OBS	00500	15.11	36.07	26.79		1517.3							
	OBS	00600	12.84	35.66	26.95		1511.0							
	OBS	00700	10.50	35.39	27.15		1504.2							
	OBS	00800	08.13	35.17	27.41		1496.8							
	OBS	00870	06.94	35.12	27.54		1493.3							
	OBS	00900	06.93	35.14	27.56		1493.8							
	OBS	00915	06.93	35.18	27.55		1494.1							
	OBS	00980	05.95	35.12	27.67		1491.2							
	OBS	01000	05.97	35.13	27.68		1491.6							
	OBS	01050	05.44	35.09	27.72		1490.3							
	OBS	01080	05.45	35.11	27.73		1490.8							
	OBS	01100	05.27	35.11	27.75		1490.4							
	OBS	01170	04.93	35.07	27.76		1490.2							
	OBS	01200	04.94	35.07	27.76		1490.7							
	OBS	01240	04.87	35.07	27.77		1491.1							
	OBS	01250	04.74	35.07	27.78		1490.7							
	OBS	01300	04.64	35.07	27.79		1491.4							
	OBS	01400	04.48	35.06	27.80		1492.2							
	OBS	01500	04.36	35.05	27.81		1493.3							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04663 AIR TEMP 24. DIR HGT PER WIND-DIP 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 10 SHIP E1 WET BULB 23. 22 2 2 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 04 DATA USE 1 BAROMETR 1020.0 SEA WIND-FJR DURATION 00.6 2 SQUARE 46  
 LONG 047 55 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 017 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	0000	24.30	36.15	24.44		1534.5							
	OBS	0010	24.29	36.15	24.44		1534.6							
	OBS	0020	24.30	36.15	24.44		1534.8							
	OBS	0030	24.26	36.17	24.47		1534.9							
	OBS	0050	24.06	36.24	24.58		1534.8							
	OBS	0075	20.52	36.52	25.80		1526.5							
	OBS	0100	19.01	36.53	26.20		1522.8							
	OBS	0125	17.96	36.51	26.44		1520.2							
	OBS	0150	17.80	36.53	26.51		1520.2							
	OBS	0200	17.51	36.53	26.58		1520.2							
	OBS	0225	17.26	36.48	26.60		1520.2							
	OBS	0200	17.10	36.46	26.63		1520.5							
	OBS	0247	16.93	36.44	26.65		1520.8							
	OBS	0200	16.08	36.26	26.72		1518.9							
	OBS	0250	14.41	35.91	26.82		1514.8							
	OBS	0200	12.01	35.53	27.02		1508.0							
	OBS	0200	09.42	35.29	27.30		1500.1							
	OBS	0200	07.31	35.04	27.43		1493.5							
	OBS	0240	06.65	35.06	27.53		1491.6							
	OBS	0242	06.64	35.12	27.58		1492.3							
	OBS	0200	06.39	35.12	27.62		1491.6							
	OBS	0250	05.58	35.10	27.71		1489.7							
	OBS	0100	05.65	35.11	27.70		1490.3							
	OBS	01017	05.83	35.18	27.74		1491.4							
	OBS	01100	05.14	35.09	27.75		1489.9							
	OBS	01200	04.78	35.08	27.75		1490.1							
	OBS	01300	04.43	35.03	27.79		1490.2							
	OBS	01400	04.21	35.02	27.80		1491.0							
	OBS	01503	04.10	35.02	27.81		1492.3							

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REFID 31 8226 YEAR 1970 BOTOP 04755 AIR TEMP 23. DIR HGT PER WIND-DIP 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0018 MONTH 10 SHIP E1 WET BULB 23. 24 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 52 N DAY 04 DATA USE 1 BAROMETR 1019.0 SEA WIND-FJR DURATION 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 018 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
06.2	OBS	0000	24.32	36.14	24.43		1534.5							
	OBS	0010	24.32	36.13	24.42		1534.6							
	OBS	0020	24.26	36.14	24.45		1534.7							
	OBS	0030	24.20	36.22	24.52		1534.8							
	OBS	0050	22.16	36.28	25.16		1530.1							
	OBS	0075	19.21	36.46	26.10		1522.9							
	OBS	0100	18.57	36.46	26.26		1521.5							
	OBS	0125	17.93	36.48	26.44		1520.1							
	OBS	0150	17.75	36.48	26.48		1520.0							
	OBS	0200	17.43	36.49	26.57		1519.9							
	OBS	0225	17.22	36.45	26.55		1520.1							
	OBS	0240	17.01	36.41	26.61		1519.9							
	OBS	0290	17.10	36.44	26.61		1520.3							
	OBS	0300	16.88	36.37	26.61		1519.8							
	OBS	0320	17.09	36.46	26.63		1520.8							
	OBS	0400	16.30	36.26	26.66		1519.5							
	OBS	0500	14.96	35.98	26.75		1516.7							
	OBS	0600	12.77	35.65	26.94		1510.8							
	OBS	0700	09.56	35.28	27.26		1500.6							
	OBS	0715	09.67	35.36	27.31		1501.4							
	OBS	0740	08.38	35.12	27.33		1456.7							
	OBS	0800	06.98	35.04	27.47		1492.2							
	OBS	0840	06.68	35.05	27.52		1491.7							
	OBS	0880	06.60	35.11	27.58		1492.1							
	OBS	0900	06.36	35.11	27.61		1491.5							
	OBS	0940	06.02	35.10	27.65		1490.8							
	OBS	0960	06.13	35.13	27.66		1491.6							
	OBS	1000	05.71	35.09	27.68		1490.5							
	OBS	1100	05.02	35.04	27.73		1489.3							
	OBS	1200	04.70	35.04	27.76		1489.7							
	OBS	1300	04.45	35.03	27.78		1490.3							
	OBS	1400	04.25	35.02	27.80		1491.2							
	OBS	01495	04.14	35.01	27.80		1492.3							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BCTOP 01691 AIR TEMP 24.0 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 10 SHIP E1 WET BULB 24.1 11 2 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1017.3 SEA WIND-FXP DURATION 00.7 2 SQUARE 48  
 LONG 048 07 W HOUR 12.2 AREA 05 CLOUD T/A CL/T/P WEATHER X6 ORIG E47 019 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.2	08S	00000	24.10	35.58	24.37		1533.8							
	08S	00010	24.11	35.98	24.37		1534.0							
	08S	00020	24.11	36.06	24.43		1534.2							
	08S	00030	24.26	36.12	24.43		1534.8							
	08S	00050	23.33	36.23	24.79		1533.0							
	08S	00075	19.76	36.47	25.96		1524.4							
	08S	00100	18.87	36.50	26.22		1522.4							
	08S	00125	18.28	36.50	26.37		1521.1							
	08S	00150	16.01	36.50	26.44		1520.8							
	08S	00200	17.60	36.49	26.53		1520.4							
	08S	00250	17.38	36.47	26.57		1520.5							
	08S	00300	17.17	36.44	26.60		1520.7							
	08S	00360	17.03	36.42	26.61		1521.3							
	08S	00400	16.71	36.33	26.62		1520.9							
	08S	00470	15.70	36.16	26.73		1518.7							
	08S	00500	14.88	35.97	26.76		1516.4							
	08S	00600	12.58	35.62	26.98		1510.1							
	08S	00700	10.16	35.32	27.19		1502.9							
	08S	00800	08.36	35.15	27.36		1457.6							
	08S	00840	07.36	35.08	27.45		1494.4							
	08S	00900	06.68	35.07	27.54		1492.7							
	08S	00980	06.04	35.08	27.63		1491.5							
	08S	01000	05.72	35.04	27.64		1490.5							
	08S	01040	06.02	35.15	27.65		1492.5							
	08S	01100	05.57	35.10	27.71		1491.6							
	08S	01140	05.61	35.11	27.71		1492.5							
	08S	01200	05.00	35.02	27.71		1450.9							
	08S	01210	04.84	35.01	27.72		1490.4							
	08S	01300	04.60	35.01	27.75		1490.9							
	08S	01320	04.46	34.99	27.75		1490.6							
	08S	01400	04.45	35.00	27.76		1492.0							
	08S	01495	04.35	35.00	27.77		1493.1							

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REFID 31 8226 YEAR 1970 BCTOP 03566 AIR TEMP 24.0 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 10 SHIP E1 WET BULB 23.1 35 1 3 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1017.6 SEA WIND-FXP DURATION 00.6 2 SQUARE 48  
 LONG 048 02 W HOUR 14.3 AREA 05 CLOUD T/A CL/T/R WEATHER X1 ORIG E47 020 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.3	08S	00000	24.01	35.86	24.31		1533.4							
	08S	00010	24.02	35.93	24.36		1533.7							
	08S	00020	24.29	36.17	24.46		1534.8							
	08S	00030	24.29	36.17	24.46		1534.9							
	08S	00050	23.01	36.25	24.90		1532.2							
	08S	00075	19.07	36.52	26.18		1522.6							
	08S	00100	18.31	36.53	26.38		1520.9							
	08S	00125	17.99	36.52	26.46		1520.3							
	08S	00150	17.78	36.52	26.51		1520.1							
	08S	00200	17.47	36.49	26.56		1520.0							
	08S	00250	17.24	36.47	26.60		1520.1							
	08S	00300	17.17	36.46	26.61		1520.7							
	08S	00350	17.09	36.45	26.62		1521.3							
	08S	00400	16.76	36.38	26.65		1521.1							
	08S	00500	15.58	36.14	26.74		1518.8							
	08S	00600	13.46	35.74	26.89		1513.2							
	08S	00700	10.96	35.40	27.11		1505.8							
	08S	00800	08.24	35.14	27.37		1497.2							
	08S	00875	06.78	35.07	27.52		1492.7							
	08S	00900	06.56	35.13	27.60		1492.3							
	08S	00950	06.25	35.12	27.64		1491.9							
	08S	00955	06.00	35.08	27.64		1490.9							
	08S	01000	05.81	35.08	27.66		1490.9							
	08S	01020	05.82	35.10	27.68		1491.3							
	08S	01040	05.61	35.10	27.70		1490.8							
	08S	01100	05.54	35.09	27.70		1491.5							
	08S	01150	05.17	35.07	27.73		1490.8							
	08S	01200	05.01	35.07	27.75		1491.0							
	08S	01300	04.87	35.06	27.76		1492.1							
	08S	01360	04.53	35.03	27.77		1491.7							
	08S	01400	04.47	35.03	27.78		1492.1							
	08S	01490	04.33	35.02	27.79		1493.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04574 AIR TEMP 23. OIR HGT PER WIND-OIR 04 INST STO RECORER TEN SQ 1206  
 CONSEC 0021 MONTH 10 SHIP E1 WET BULB 22. 36 1 3 WIND-SPO 08 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 05 OATA USE 1 BAROMETR 1018.3 SEA WIND-FDJ DURATION 00.5 2 SQUARE 48  
 LONG 048 08 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 021 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	24.29	35.82	24.20		1534.1							
	OBS	00010	24.44	36.05	24.32		1534.8							
	OBS	00020	24.31	36.08	24.35		1534.7							
	OBS	00030	24.33	36.11	24.40		1535.0							
	OBS	00050	22.52	36.34	25.11		1531.1							
	OBS	00075	20.40	36.52	25.83		1526.2							
	OBS	00100	19.02	36.51	26.19		1522.8							
	OBS	00125	18.29	36.51	26.37		1521.2							
	OBS	00150	18.02	36.52	26.45		1520.8							
	OBS	00200	17.59	36.50	26.54		1520.4							
	OBS	00250	17.28	36.46	26.58		1520.2							
	OBS	00265	17.17	36.44	26.60		1520.1							
	OBS	00300	17.16	36.45	26.61		1520.7							
	OBS	00370	16.99	36.42	26.62		1521.3							
	OBS	00400	16.77	36.38	26.65		1521.1							
	OBS	00500	15.37	36.09	26.75		1518.1							
	OBS	00600	13.12	35.69	26.92		1512.0							
	OBS	00700	10.87	35.40	27.13		1505.5							
	OBS	00800	08.02	35.14	27.40		1496.3							
	OBS	00900	06.57	35.10	27.58		1492.3							
	OBS	00980	05.92	35.10	27.66		1491.1							
	OBS	01000	05.89	35.10	27.67		1491.3							
	OBS	01100	05.43	35.09	27.72		1491.1							
	OBS	01120	05.22	35.07	27.73		1490.5							
	OBS	01170	05.22	35.09	27.74		1491.4							
	OBS	01200	04.90	35.05	27.75		1490.5							
	OBS	01300	04.66	35.05	27.78		1491.2							
	OBS	01400	04.42	35.02	27.78		1491.9							
	OBS	01500	04.20	35.00	27.79		1492.6							

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REFID 31 8226 YEAR 1970 BOTOP 04709 AIR TEMP 22. OIR HGT PER WIND-OIR 03 INST STO RECORER TEN SQ 1206  
 CONSEC 0022 MONTH 10 SHIP E1 WET BULB 21. 01 WIND-SPO 08 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 05 OATA USE 1 BAROMETR 1015.5 SEA WIND-FDJ DURATION 00.6 2 SQUARE 48  
 LONG 048 06 W HOUR 06.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 022 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
06.0	OBS	00000	24.24	35.86	24.24		1534.0							
	OBS	00010	24.35	36.07	24.37		1534.6							
	OBS	00020	24.36	36.08	24.37		1534.9							
	OBS	00030	24.38	36.08	24.37		1535.1							
	OBS	00050	22.76	36.35	25.05		1531.7							
	OBS	00075	19.91	36.53	25.97		1524.9							
	OBS	00100	18.66	36.54	26.30		1521.9							
	OBS	00125	18.18	36.53	26.42		1520.9							
	OBS	00150	17.84	36.52	26.49		1520.3							
	OBS	00200	17.59	36.52	26.55		1520.4							
	OBS	00250	17.37	36.48	26.58		1520.5							
	OBS	00300	17.14	36.45	26.61		1520.6							
	OBS	00360	17.07	36.44	26.62		1521.4							
	OBS	00400	16.88	36.41	26.64		1521.5							
	OBS	00480	16.06	36.22	26.69		1520.1							
	OBS	00500	15.66	36.16	26.73		1519.1							
	OBS	00600	12.92	35.67	26.95		1511.3							
	OBS	00700	10.38	35.35	27.18		1503.7							
	OBS	00780	08.51	35.15	27.33		1497.9							
	OBS	00800	08.41	35.15	27.35		1497.8							
	OBS	00900	06.60	35.05	27.53		1492.4							
	OBS	00920	06.61	35.11	27.58		1492.8							
	OBS	01000	05.99	35.11	27.66		1491.7							
	OBS	01040	05.45	35.04	27.67		1490.1							
	OBS	01050	05.74	35.14	27.72		1491.6							
	OBS	01100	05.27	35.07	27.72		1490.4							
	OBS	01200	04.80	35.04	27.75		1490.1							
	OBS	01230	04.64	35.02	27.75		1489.9							
	OBS	01300	04.55	35.02	27.76		1490.7							
	OBS	01400	04.34	35.01	27.78		1491.5							
	OBS	01495	04.19	34.99	27.78		1492.5							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BDTOP 04663 AIR TEMP 23. DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 10 SHIP E1 WET BULB 22. 02 WIND-SPD 09 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1017.3 SEA 3 WIND-FOR DURATION 00.6 2 SQUARE 46  
 LONG 047 57 W HOUR 12.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 023 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	23.84	35.66	24.21		1532.8							
	OBS	00010	23.81	35.66	24.22		1532.9							
	OBS	00020	23.97	35.80	24.28		1533.6							
	OBS	00030	24.01	36.01	24.42		1534.1							
	OBS	00040	24.09	36.09	24.46		1534.5							
	OBS	00050	22.96	36.08	24.78		1531.9							
	OBS	00075	19.85	36.46	25.93		1524.7							
	OBS	00100	18.71	36.45	26.22		1521.9							
	OBS	00125	18.09	36.43	26.36		1520.5							
	OBS	00150	17.76	36.45	26.46		1520.0							
	OBS	00200	17.41	36.45	26.54		1519.8							
	OBS	00250	17.12	36.42	26.59		1519.7							
	OBS	00300	17.11	36.42	26.59		1520.5							
	OBS	00360	16.93	36.40	26.62		1520.9							
	OBS	00400	16.26	36.23	26.65		1519.4							
	OBS	00500	14.15	35.85	26.83		1513.9							
	OBS	00600	11.46	35.42	27.04		1506.0							
	OBS	00700	09.48	35.24	27.25		1500.3							
	OBS	00800	07.18	34.99	27.41		1492.9							
	OBS	00855	06.57	35.02	27.51		1491.5							
	OBS	00900	06.56	35.09	27.57		1492.3							
	OBS	01000	05.43	35.03	27.67		1489.3							
	OBS	01005	05.39	35.03	27.67		1489.2							
	OBS	01020	05.54	35.09	27.70		1490.2							
	OBS	01100	05.20	35.06	27.72		1490.1							
	OBS	01200	04.83	35.03	27.74		1490.2							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01400	04.22	34.98	27.77		1491.0							
	OBS	01490	04.15	34.96	27.76		1492.2							

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REFID 31 8226 YEAR 1970 BDTOP 04297 AIR TEMP 24. DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 10 SHIP E1 WET BULB 21. 04 2 3 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 05 DATA USE 1 BAROMETR 1015.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 56 W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 024 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
18.2	OBS	00000	23.98	35.62	24.14		1533.1							
	OBS	00010	23.69	35.61	24.21		1532.5							
	OBS	00020	23.72	35.66	24.24		1532.8							
	OBS	00030	23.36	36.01	24.61		1532.5							
	OBS	00050	22.41	36.35	25.15		1530.9							
	OBS	00075	20.01	36.51	25.93		1525.2							
	OBS	00100	19.26	36.52	26.13		1523.5							
	OBS	00125	18.48	36.49	26.31		1521.7							
	OBS	00150	17.98	36.44	26.40		1520.6							
	OBS	00200	17.61	36.44	26.45		1520.4							
	OBS	00230	17.06	36.32	26.53		1519.1							
	OBS	00250	16.96	36.32	26.55		1519.1							
	OBS	00300	16.62	36.28	26.60		1518.9							
	OBS	00320	16.57	36.30	26.63		1519.1							
	OBS	00340	16.34	36.23	26.63		1518.6							
	OBS	00350	16.41	36.28	26.65		1519.1							
	OBS	00400	15.91	36.19	26.70		1518.2							
	OBS	00500	14.40	35.89	26.81		1514.8							
	OBS	00600	12.45	35.60	26.99		1509.6							
	OBS	00700	09.74	35.26	27.22		1501.3							
	OBS	00800	07.97	35.13	27.40		1496.1							
	OBS	00860	06.36	35.06	27.57		1491.1							
	OBS	00900	06.46	35.12	27.61		1491.9							
	OBS	01000	05.54	35.07	27.69		1489.3							
	OBS	01025	05.88	35.18	27.73		1491.8							
	OBS	01050	05.45	35.11	27.73		1490.3							
	OBS	01100	05.24	35.08	27.73		1490.3							
	OBS	01170	04.80	35.04	27.75		1489.6							
	OBS	01200	04.90	35.07	27.76		1490.6							
	OBS	01300	04.70	35.07	27.79		1491.4							
	OBS	01350	04.44	35.05	27.80		1491.1							
	OBS	01400	04.42	35.04	27.79		1491.9							
	OBS	01495	04.17	35.02	27.81		1492.4							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04207 AIR TEMP 23. OIR HGT PER WIND-OIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 10 SHIP E1 WET BULB 20.0 01 2 4 WIND-SPO 07 TRACE OIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1010.6 SEA CL/TR WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 00.1 AREA 05 CLOUD T/A WEATHER XI ORIG E47 025 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.1	08S	00000	23.74	35.49	24.11		1532.4							
	08S	00010	23.79	35.64	24.21		1532.8							
	08S	00020	23.95	35.80	24.28		1533.5							
	08S	00030	24.04	35.87	24.31		1534.0							
	08S	00050	23.62	36.21	24.69		1533.7							
	08S	00075	21.37	36.53	25.57		1528.8							
	08S	00100	19.50	36.53	26.08		1524.2							
	08S	00125	18.82	36.51	26.24		1522.7							
	08S	00150	18.12	36.49	26.40		1521.1							
	08S	00200	17.53	36.46	26.52		1520.2							
	08S	00230	17.25	36.42	26.56		1519.8							
	08S	00250	17.21	36.42	26.57		1520.0							
	08S	00280	17.05	36.41	26.60		1520.0							
	08S	00300	17.08	36.42	26.60		1520.4							
	08S	00320	17.02	36.42	26.62		1520.6							
	08S	00400	15.90	36.19	26.70		1518.2							
	08S	00500	14.15	35.86	26.84		1513.9							
	08S	00600	11.58	35.48	27.06		1506.5							
	08S	00700	09.45	35.27	27.27		1500.2							
	08S	00800	07.46	35.13	27.48		1494.2							
	08S	00880	06.36	35.07	27.58		1491.1							
	08S	00900	06.57	35.14	27.61		1492.4							
	08S	00970	05.64	35.09	27.69		1489.8							
	08S	01000	05.64	35.10	27.70		1490.3							
	08S	01100	05.13	35.09	27.75		1489.8							
	08S	01130	04.97	35.07	27.76		1489.7							
	08S	01200	04.97	35.08	27.76		1490.9							
	08S	01300	04.65	35.07	27.79		1491.2							
	08S	01400	04.33	35.04	27.80		1491.5							
	08S	01495	04.19	35.02	27.80		1492.5							

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REFID 31 8226 YEAR 1970 BOTOP 03566 AIR TEMP 25.6 OIR HGT PER WIND-OIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0026 MONTH 10 SHIP E1 WET BULB 22.2 36 WIND-SPO 05 TRACE OIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1012.5 SEA 3 WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 10 W HOUR 06.1 AREA 05 CLOUD T/A WEATHER X0 ORIG E47 026 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
06.1	08S	00000	23.83	35.73	24.26		1532.8							
	08S	00010	23.94	35.81	24.29		1533.4							
	08S	00020	24.08	35.91	24.33		1534.0							
	08S	00030	24.17	36.04	24.40		1534.5							
	08S	00040	24.27	36.14	24.44		1535.0							
	08S	00050	22.35	36.23	25.07		1530.6							
	08S	00075	20.85	36.54	25.72		1527.4							
	08S	00100	19.55	36.55	26.08		1524.4							
	08S	00125	18.66	36.48	26.26		1522.2							
	08S	00150	18.15	36.48	26.38		1521.2							
	08S	00200	17.67	36.45	26.48		1520.8							
	08S	00250	17.33	36.43	26.55		1520.4							
	08S	00280	17.08	36.39	26.58		1520.1							
	08S	00300	17.08	36.39	26.58		1520.4							
	08S	00350	16.86	36.38	26.62		1520.5							
	08S	00400	16.33	36.26	26.66		1519.6							
	08S	00500	14.41	35.85	26.77		1514.8							
	08S	00600	12.36	35.60	27.00		1509.3							
	08S	00700	10.27	35.35	27.20		1503.3							
	08S	00800	08.12	35.14	27.35		1496.7							
	08S	00840	06.98	35.07	27.50		1492.9							
	08S	00900	06.58	35.09	27.57		1492.3							
	08S	01000	05.80	35.12	27.65		1490.9							
	08S	01100	05.25	35.08	27.73		1490.3							
	08S	01200	04.89	35.08	27.77		1490.5							
	08S	01300	04.79	35.07	27.78		1491.8							
	08S	01400	04.53	35.06	27.80		1492.4							
	08S	01495	04.33	35.05	27.81		1493.1							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04755 AIR TEMP 27.2 DIP HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0027 MONTH 10 SHIP E1 WET BULB 21.7 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 BAROMETR 1015.6 SEA 3 WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HDUP 19.4 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER X1 ORIG E47 027 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI13	PH
19.9	OBS	00000	24.18	35.681	24.12		1533.6							
19.9	OBS	00025	23.93	35.926	24.38		1543.7							
19.9	OBS	00050	22.96	36.271	24.43		1542.1							
19.9	OBS	00075	20.89	36.537	25.71		1527.6							
19.9	OBS	00101	19.40	36.541	26.11		1524.0							
19.9	OBS	00151	17.99	36.454	26.40		1520.7							
19.9	OBS	00201	17.48	36.437	26.52		1520.0							
19.9	OBS	00302	17.06	36.393	26.59		1520.4							
19.9	OBS	T00403	16.13	36.212	26.67		1519.0							
19.9	OBS	00504	14.11	35.836	26.83		1513.8							
19.9	OBS	00605	12.20	35.545	26.99		1508.8							
19.9	OBS	T00807	07.71	35.107	27.42		1495.2							
19.9	OBS	T01009	05.67	35.054	27.66		1490.5							
19.9	OBS	T01514	04.10	34.972	27.77		1492.4							

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REFID 31 8226 YEAR 1970 BOTOP 04572 AIR TEMP 23.9 DIP HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0028 MONTH 10 SHIP E1 WET BULB 21.1 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 07 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FOR DURATION 2 SQUARE 44  
 LONG 048 00 W HDUP 13.1 AREA 05 CLOUD T/A 0/6 CL/TR WEATHER X1 ORIG E47 124 1 SQUARE 45

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI13	PH
13.1	OBS	00000	23.93	35.745	24.25		1533.1							
13.1	OBS	00025	24.00	35.904	24.45		1535.9							
13.1	OBS	00051	24.05	36.168	24.53		1534.7							
13.1	OBS	00077	21.12	36.511	25.63		1528.2							
13.1	OBS	00103	19.54	36.524	26.06		1524.3							
13.1	OBS	00153	18.03	36.497	26.42		1520.9							
13.1	OBS	T00204	17.49	36.448	26.56		1520.1							
14.2	OBS	00307	17.03	36.403	26.66		1520.4							
14.2	OBS	T00406	16.15	36.202	26.65		1519.1							
14.2	OBS	00508	13.73	35.779	26.86		1512.6							
14.2	OBS	00609	11.81	35.483	27.02		1507.4							
14.2	OBS	T00811	07.37	35.080	27.45		1495.9							
14.2	OBS	01012	05.79	35.079	27.66		1491.0							
14.2	OBS	T01522	04.16	34.986	27.78		1492.8							

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REFID 31 8226 YEAR 1970 BOTOP 04572 AIR TEMP 21.7 DIP HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0029 MONTH 10 SHIP E1 WET BULB 17.2 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 08 DATA USE 1 BAROMETR 1018.8 SEA 4 WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HDUP 13.5 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E47 029 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI13	PH
13.5	OBS	00000	23.83	35.891	24.39		1533.0							
13.5	OBS	00022	23.89	35.929	24.40		1533.6							
13.5	OBS	00045	23.76	36.107	24.56		1533.4							
13.5	OBS	00067	22.56	36.474	25.20		1531.7							
13.5	OBS	00090	20.13	36.510	25.90		1525.7							
13.5	OBS	00138	18.35	36.530	26.37		1521.6							
13.5	OBS	00174	17.71	36.491	26.50		1520.4							
13.5	OBS	00269	17.17	36.458	26.61		1520.2							
13.5	OBS	T00357	16.91	36.398	26.63		1520.8							

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REFID 31 8226 YEAR 1970 BOTOP 04230 AIR TEMP 22.8 DIP HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0030 MONTH 10 SHIP E1 WET BULB 18.3 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 09 DATA USE 1 BAROMETR 1017.3 SEA 4 WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HDUP 13.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E47 030 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDEPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI13	PH
13.3	OBS	00000	23.62	35.728	24.32		1532.3							
13.3	OBS	00027	23.82	35.922	24.34		1533.4							
13.3	OBS	00052	23.72	36.110	24.58		1533.9							
13.3	OBS	00079	20.24	36.533	25.88		1525.9							
13.3	OBS	00104	19.23	36.548	26.16		1523.5							
13.3	OBS	00157	17.97	36.447	26.40		1520.7							
13.3	OBS	T00209	17.50	36.437	26.51		1520.2							
13.3	OBS	00312	16.64	36.304	26.62		1519.2							
13.3	OBS	T00414	15.17	36.034	26.75		1516.0							
13.3	OBS	00517	13.07	35.686	26.93		1510.4							
13.3	OBS	00619	10.65	35.358	27.14		1503.3							
13.3	OBS	T00822	06.72	35.070	27.53		1491.6							
13.3	OBS	T01025	05.29	35.056	27.71		1489.2							
13.3	OBS	T01528	04.16	35.021	27.81		1492.3							

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TABLE XXVI.—Continued

REFID 31 8226 YFAP 1970 BDTDP 04023 AIR TEMP 22. DIA HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0031 MONTH 10 SHIP E1 WET BULB 18. 34 2 5 WIND-SPO 14 TRACE DIP 0 5 SQUARE 4  
 LAT 35 06 N DAY 09 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 18.4 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E47 031 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.4	DBS	00000	23.79	35.80	24.33		1532.8							
	DBS	00010	23.77	35.81	24.34		1533.0							
	DBS	00020	23.67	35.83	24.35		1532.9							
	DBS	00030	23.63	35.87	24.42		1533.0							
	DBS	00035	23.27	35.99	24.63		1532.3							
	DBS	00050	22.05	36.35	25.25		1529.9							
	DBS	00075	19.70	36.54	26.03		1524.3							
	DBS	00100	18.77	36.53	26.27		1522.2							
	DBS	00125	18.15	36.47	26.3E		1520.7							
	DBS	00150	17.93	36.52	26.47		1520.6							
	DBS	00200	17.57	36.51	26.55		1520.3							
	DBS	00250	17.28	36.48	26.60		1520.3							
	DBS	00300	16.97	36.42	26.63		1520.1							
	DBS	00340	16.74	36.38	26.65		1520.0							
	DBS	00400	15.59	36.13	26.73		1517.2							
	DBS	00500	13.81	35.81	26.87		1512.8							
	DBS	00600	10.83	35.40	27.14		1503.7							
	DBS	00700	08.29	35.16	27.38		1495.7							
	DBS	00750	07.88	35.16	27.44		1495.0							
	DBS	00800	06.80	35.09	27.54		1491.0							
	DBS	00900	06.05	35.10	27.65		1490.3							
	DBS	00970	05.42	35.08	27.71		1488.9							
	DBS	01000	05.43	35.08	27.71		1489.4							
	DBS	01040	05.12	35.07	27.74		1488.8							
	DBS	01100	05.03	35.07	27.75		1488.4							
	DBS	01130	04.76	35.05	27.76		1488.8							
	DBS	01200	04.71	35.05	27.77		1489.7							
	DBS	01300	04.45	35.03	27.78		1490.3							
	DBS	01400	04.24	35.01	27.7E		1491.1							
	DBS	01490	04.10	35.00	27.7E		1492.0							

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REFID 31 8226 YFAP 1970 BDTDP 04755 AIR TEMP 21. DIA HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 10 SHIP E1 WET BULB 18. 34 2 5 WIND-SPO 08 TRACE DIP 0 5 SQUARE 2  
 LAT 34 48 N DAY 10 DATA USE 1 BAROMETR 1015.5 SEA WIND-FOR DURATION 00.7 2 SQUARE 46  
 LONG 047 48 W HOUR 00.1 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E47 032 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.1	DBS	00000	23.66	35.86	24.41		1532.6							
	DBS	00010	23.66	35.86	24.41		1532.7							
	DBS	00020	23.67	35.87	24.42		1532.9							
	DBS	00030	23.85	36.00	24.45		1533.8							
	DBS	00050	22.85	35.78	24.59		1531.3							
	DBS	00075	21.25	36.40	25.51		1528.3							
	DBS	00100	19.10	36.52	26.17		1523.1							
	DBS	00125	18.38	36.51	26.35		1521.4							
	DBS	00150	18.06	36.51	26.43		1520.9							
	DBS	00200	17.67	36.49	26.51		1520.6							
	DBS	00250	17.37	36.47	26.57		1520.5							
	DBS	00300	17.22	36.43	26.58		1520.8							
	DBS	00350	16.94	36.41	26.63		1520.8							
	DBS	00400	16.40	36.25	26.63		1519.8							
	DBS	00428	15.44	36.07	26.72		1517.1							
	DBS	00435	15.50	36.13	26.75		1517.5							
	DBS	00500	14.33	35.89	26.82		1514.5							
	DBS	00600	11.93	35.48	26.99		1507.7							
	DBS	00700	09.39	35.22	27.25		1499.9							
	DBS	00800	07.35	35.08	27.45		1493.7							
	DBS	00865	06.74	35.12	27.57		1492.4							
	DBS	00875	06.39	35.05	27.56		1491.1							
	DBS	00890	06.49	35.11	27.60		1491.8							
	DBS	00900	06.39	35.11	27.61		1491.6							
	DBS	00925	05.94	35.06	27.63		1490.2							
	DBS	00965	05.85	35.08	27.66		1490.5							
	DBS	01000	05.48	35.06	27.69		1489.6							
	DBS	01070	05.28	35.07	27.72		1489.9							
	DBS	01100	05.02	35.05	27.73		1489.3							
	DBS	01200	04.56	35.01	27.75		1489.1							
	DBS	01300	04.27	34.99	27.77		1489.5							
	DBS	01400	04.15	34.98	27.78		1490.7							
	DBS	01490	04.06	34.97	27.7E		1491.8							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 02743 A1W TEMP 21. O1R HGT PER WIND-O1R 35 INST STD RECORDER TEN SQ 1206  
 CONSEC 0033 MONTH 10 SHIP E1 WET BULB 17. 34 WIND-SPO 15 TRACE O1R 0 5 SQUARE 4  
 LAT 35 00 N DAY 10 DATA USE 1 BAROMETR 1014.6 SEA 3 WIND-FOP DURATION 00.6 2 SQUARE 48  
 LONG 048 05 W HOUR 06.2 AREA 05 CLOUD T/A CLZTR WEATHER X1 ORIG E47 C33 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
06.2	OBS	00300	23.46	35.74	24.38		1532.0							
	OBS	00010	23.45	35.74	24.38		1532.1							
	OBS	00020	23.46	35.74	24.38		1532.3							
	OBS	00030	23.49	35.88	24.42		1533.2							
	OBS	00038	23.73	35.93	24.44		1533.5							
	OBS	00050	23.00	36.23	24.89		1532.2							
	OBS	00075	21.55	36.48	25.45		1529.2							
	OBS	00100	20.00	36.54	25.95		1525.6							
	OBS	00125	18.75	36.49	26.24		1522.5							
	OBS	00150	18.13	36.47	26.38		1521.1							
	OBS	00200	17.53	36.45	26.52		1520.1							
	OBS	00250	17.20	36.43	26.58		1520.0							
	OBS	00300	16.94	36.41	26.63		1520.0							
	OBS	00350	16.46	36.31	26.66		1519.3							
	OBS	00400	15.49	36.11	26.73		1516.8							
	OBS	00500	13.24	35.71	26.91		1510.8							
	OBS	00600	10.92	35.39	27.11		1504.0							
	OBS	00700	08.79	35.18	27.31		1497.7							
	OBS	00800	06.86	35.06	27.51		1491.7							
	OBS	00870	05.79	35.02	27.62		1488.6							
	OBS	00900	05.77	35.05	27.64		1489.1							
	OBS	01000	05.27	35.04	27.70		1488.7							
	OBS	01020	05.09	35.04	27.72		1488.3							
	OBS	01100	04.83	35.03	27.74		1488.5							
	OBS	01200	04.55	35.01	27.76		1489.0							
	OBS	01300	04.45	35.00	27.76		1490.3							
	OBS	01400	04.33	35.00	27.77		1491.5							
	OBS	01500	04.13	34.98	27.78		1492.3							

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REFID 31 8226 YEAR 1970 BOTOP 04389 A1W TEMP 22. O1R HGT PER WIND-O1R 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 10 SHIP E1 WET BULB 18. 01 WIND-SPO 12 TRACE O1R 0 5 SQUARE 4  
 LAT 35 00 N DAY 10 DATA USE 1 BAROMETR 1015.9 SEA 3 WIND-FOP DURATION 00.9 2 SQUARE 48  
 LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A CLZTR WEATHER X1 ORIG E47 C34 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SI03	PH
12.2	OBS	00000	23.32	35.78	24.45		1531.7							
	OBS	00010	23.32	35.78	24.45		1531.8							
	OBS	00020	23.32	35.78	24.45		1532.0							
	OBS	00030	23.33	35.81	24.47		1532.2							
	OBS	00050	23.00	36.09	24.78		1532.0							
	OBS	00075	20.18	36.54	25.41		1525.7							
	OBS	00100	18.80	36.50	26.24		1522.2							
	OBS	00125	18.25	36.49	26.37		1521.0							
	OBS	00150	17.88	36.50	26.47		1520.4							
	OBS	00200	17.58	36.50	26.54		1520.3							
	OBS	00250	17.26	36.46	26.59		1520.2							
	OBS	00300	17.10	36.43	26.60		1520.5							
	OBS	00320	17.04	36.43	26.62		1520.6							
	OBS	00400	15.82	36.20	26.73		1518.0							
	OBS	00500	13.49	35.75	26.85		1511.6							
	OBS	00600	11.14	35.44	27.11		1504.9							
	OBS	00700	08.62	35.18	27.34		1497.0							
	OBS	00800	06.88	35.07	27.51		1491.8							
	OBS	00900	05.99	35.05	27.61		1489.9							
	OBS	00960	05.57	35.06	27.68		1489.3							
	OBS	00975	05.86	35.10	27.67		1490.7							
	OBS	01000	05.39	35.03	27.67		1489.2							
	OBS	01020	05.29	35.06	27.71		1489.1							
	OBS	01030	05.42	35.09	27.72		1489.9							
	OBS	01100	04.99	35.04	27.73		1489.2							
	OBS	01130	04.89	35.04	27.74		1489.3							
	OBS	01145	04.97	35.05	27.74		1489.9							
	OBS	01200	04.78	35.05	27.76		1490.0							
	OBS	01275	04.46	35.00	27.76		1489.9							
	OBS	01300	04.52	35.00	27.75		1490.6							
	OBS	01400	04.36	35.01	27.78		1491.6							
	OBS	01500	04.18	34.99	27.78		1492.5							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 04390 AIR TEMP 21. DIR HGT PER WIND-DIP 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 10 SHIP E1 WET BULB 17. SEA 10 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 11 DATA USE 1 BAROMETR 1015.9 WIND-FGR DURATION 00.8 2 SQUARE 48  
 LONG 048 00 W HOUR 06.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 035 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
06.5	OBS	00000	24.03	36.14	24.52		1533.8							
	OBS	00010	24.03	36.14	24.52		1534.0							
	OBS	00020	24.05	36.14	24.51		1534.2							
	OBS	00030	24.05	36.14	24.51		1534.3							
	OBS	00050	22.40	36.39	25.18		1530.9							
	OBS	00075	19.25	36.52	26.14		1523.1							
	OBS	00100	18.35	36.52	26.37		1521.0							
	OBS	00125	17.97	36.53	26.47		1520.3							
	OBS	00150	17.79	36.53	26.51		1520.2							
	OBS	00200	17.52	36.50	26.56		1520.2							
	OBS	00250	17.20	36.45	26.60		1520.0							
	OBS	00300	17.08	36.44	26.62		1520.4							
	OBS	00350	16.92	36.42	26.64		1520.8							
	OBS	00400	16.29	36.28	26.68		1519.5							
	OBS	00500	13.69	35.80	26.89		1512.4							
	OBS	00600	11.19	35.44	27.10		1505.1							
	OBS	00700	07.94	35.20	27.46		1494.5							
	OBS	00760	07.44	35.10	27.46		1493.4							
	OBS	00800	07.08	35.12	27.52		1492.7							
	OBS	00900	06.43	35.12	27.61		1491.8							
	OBS	00965	05.63	35.08	27.68		1489.6							
	OBS	00970	05.71	35.12	27.71		1490.1							
	OBS	01000	05.31	35.06	27.71		1488.9							
	OBS	01100	04.86	35.03	27.74		1488.7							
	OBS	01200	04.58	35.03	27.77		1489.2							
	OBS	01300	04.45	35.01	27.77		1490.3							
	OBS	01400	04.30	35.01	27.78		1491.3							
	OBS	01500	04.12	35.00	27.79		1492.3							

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REFID 31 8226 YEAR 1970 BOTDP 04206 AIR TEMP 21.1 DIR HGT PER WIND-DIP 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0036 MONTH 10 SHIP E1 WET BULB 16.1 SEA 36 WIND-SPD 25 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1017.3 WIND-FGR DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 036 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.1	OBS	00000	23.31	35.94	24.58		1531.8							
	OBS	00010	23.31	35.94	24.58		1532.0							
	OBS	00020	23.32	35.94	24.57		1532.2							
	OBS	00030	23.33	35.94	24.57		1532.4							
	OBS	00050	20.93	36.49	25.67		1527.2							
	OBS	00075	19.60	36.60	26.11		1524.1							
	OBS	00100	18.51	36.51	26.32		1521.4							
	OBS	00125	18.24	36.55	26.42		1521.1							
	OBS	00150	17.82	36.54	26.51		1520.3							
	OBS	00250	17.13	36.45	26.61		1519.8							
	OBS	00375	17.00	36.44	26.64		1519.8							
	OBS	00300	17.04	36.45	26.63		1520.3							
	OBS	00350	15.85	36.24	26.75		1517.8							
	OBS	00400	15.50	36.15	26.76		1516.9							
	OBS	00500	13.19	35.74	26.94		1510.6							
	OBS	00600	11.25	35.48	27.12		1505.3							
	OBS	00700	08.55	35.19	27.36		1496.8							
	OBS	00780	06.89	35.11	27.54		1491.6							
	OBS	00800	06.56	35.11	27.59		1490.6							
	OBS	00830	06.59	35.16	27.62		1491.3							
	OBS	00880	05.86	35.13	27.69		1489.2							
	OBS	00900	05.93	35.16	27.71		1489.9							
	OBS	01000	05.34	35.10	27.74		1489.1							
	OBS	01100	04.50	35.09	27.78		1488.9							
	OBS	01200	04.75	35.09	27.80		1490.0							
	OBS	01300	04.38	35.06	27.81		1490.1							
	OBS	01400	04.18	35.05	27.83		1490.9							
	OBS	01500	04.05	35.02	27.82		1492.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 8CTOP 03658 AIR TEMP 23. DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0037 MONTH 10 SHIP E1 WET BULB 19. 02 4 7 WIND-SPD 22 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 12 DATA USE 1 BARMETR 1019.6 SEA 4 WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 53 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 037 1 SQUARE 57

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	ND2	ND3	S103	PH
12.1	DBS	00000	23.70	36.09	24.57		1532.9							
	DBS	00010	23.69	36.09	24.58		1533.1							
	DBS	00020	23.68	36.08	24.57		1533.2							
	DBS	00030	23.54	36.04	24.58		1533.0							
	DBS	00050	23.57	36.06	24.58		1533.4							
	DBS	00075		36.09										
	DBS	00100	17.40	35.86	26.10		1517.4							
	DBS	00125		35.76										
	DBS	00200	15.84	36.11	26.66		1514.6							
	DBS	00250	15.45	36.09	26.72		1514.2							
	DBS	00300	14.86	35.99	26.78		1513.1							
	DBS	00400	13.39	35.77	26.73		1509.7							
	DBS	00500	11.76	35.54	27.07		1505.5							
	DBS	00600	09.54	35.29	27.28		1498.9							
	DBS	00680	07.90	35.18	27.45		1496.0							
	DBS	00700	07.83	35.18	27.46		1496.0							
	DBS	00770	06.35	35.09	27.60		1494.3							
	DBS	00800	06.18	35.10	27.63		1494.1							
	DBS	00850	05.74	35.12	27.70		1489.4							
	DBS	00875	05.89	35.18	27.73		1489.3							
	DBS	00890	05.65	35.16	27.74		1488.6							
	DBS	00900	05.75	35.16	27.75		1489.2							
	DBS	00908	06.04	35.23	27.75		1490.5							
	DBS	00950	05.34	35.11	27.74		1488.2							
	DBS	01000	05.12	35.11	27.77		1488.2							
	DBS	01100	04.77	35.10	27.40		1484.4							
	DBS	01200	04.53	35.08	27.41		1484.0							
	DBS	01300	04.37	35.07	27.42		1490.0							
	DBS	01400	04.21	35.06	27.44		1491.0							
	DBS	01508	04.07	35.04	27.43		1492.2							

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REFID 31 8226 YEAR 1970 8CTOP 04937 AIR TEMP 22. DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0038 MONTH 10 SHIP E1 WET BULB 19. 02 4 7 WIND-SPD 19 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BARMETR 1019.3 SEA 4 WIND-FDR DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 038 1 SQUARE 58

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TCT P	ND2	ND3	S103	PH
18.5	DBS	00000	23.55	36.00	24.54		1532.6							
	DBS	00010	23.59	36.01	24.55		1532.7							
	DBS	00020	23.64	36.03	24.55		1533.1							
	DBS	00030	23.67	36.05	24.55		1533.3							
	DBS	00050	23.86	36.18	24.60		1534.3							
	DBS	00075	20.12	36.40	25.82		1525.3							
	DBS	00100	18.02	36.35	26.32		1519.8							
	DBS	00125	17.47	36.35	26.45		1518.6							
	DBS	00150	17.16											
	DBS	00200	16.42	36.25	26.63		1516.6							
	DBS	00250	15.51	36.10	26.72		1514.4							
	DBS	00300	14.60	35.92	26.75		1512.2							
	DBS	00360	13.50	35.74	26.88		1509.4							
	DBS	00400	13.07	35.68	26.92		1508.5							
	DBS	00500	11.21	35.42	27.08		1503.4							
	DBS	00600	09.06	35.19	27.28		1497.0							
	DBS	00640	08.20	35.11	27.35		1494.3							
	DBS	00700	07.46	35.13	27.48		1492.5							
	DBS	00800	05.92	35.03	27.61		1488.0							
	DBS	00870	05.51	35.06	27.68		1487.5							
	DBS	00885	05.65	35.10	27.70		1488.4							
	DBS	00900	05.58	35.09	27.70		1488.3							
	DBS	01000	05.07	35.05	27.73		1487.9							
	DBS	01080	04.81	35.04	27.75		1488.1							
	DBS	01090	04.61	35.03	27.77		1487.5							
	DBS	01100	04.66	35.03	27.76		1487.8							
	DBS	01200	04.50	35.02	27.77		1488.6							
	DBS	01300	04.34	35.01	27.78		1489.8							
	DBS	01400	04.13	35.00	27.79		1490.6							
	DBS	01500	04.03	34.98	27.79		1491.9							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 03656 AIR TEMP 22. DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0039 MONTH 10 SHIP 01 WET DULC 18. 02 1 7 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 16 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR DURATION 00.7 2 SQUARE 48  
 LONG 048 05 W HOUR 00.9 AREA 05 CLOUD T/A CLZTR WEATHER XI CRIG E47 039 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SN0 VFL	XYG	PD4	TOT P	NO2	NO3	SI03	PH
00.9	OBS	0000	23.29	35.72	24.41		1531.5							
	OBS	0010	23.28	35.72	24.41		1531.7							
	OBS	0020	23.24	35.73	24.42		1531.9							
	OBS	0030	23.56	35.98	24.53		1533.0							
	OBS	0050	23.61	36.30	24.76		1533.8							
	OBS	0075	20.37	36.12	25.14		1525.7							
	OBS	0100	17.14	35.95	26.17		1516.7							
	OBS	0125	16.51	36.24	26.40		1515.6							
	OBS	0135	16.59	36.30	26.43		1516.1							
	OBS	0150	16.37	36.23	26.42		1515.6							
	OBS	0175	14.42	35.74	26.65		1505.3							
	OBS	0190	15.11	35.99	26.73		1512.1							
	OBS	0200	15.06	35.98	26.73		1512.1							
	OBS	0250	14.45	35.98	26.75		1510.8							
	OBS	0300	13.95	35.82	26.85		1509.4							
	OBS	0400	12.11	35.50	26.97		1505.0							
	OBS	0500	10.33	35.30	27.16		1500.2							
	OBS	0600	08.60	35.11	27.24		1495.2							
	OBS	0700	07.05	35.06	27.48		1490.8							
	OBS	0750	06.64	35.07	27.54		1490.1							
	OBS	0800	05.83	35.02	27.61		1487.6							
	OBS	0830	05.63	35.01	27.63		1487.3							
	OBS	0900	05.47	35.03	27.66		1487.8							
	OBS	01000	04.96	35.02	27.72		1487.4							
	OBS	01100	04.66	35.01	27.74		1487.3							
	OBS	01115	04.63	35.01	27.75		1487.9							
	OBS	01145	04.67	35.02	27.75		1488.6							
	OBS	01200	04.51	35.01	27.77		1488.9							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.18	34.98	27.77		1490.8							
	OBS	01497	04.15	34.96	27.76		1492.3							

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REFID 31 8226 YEAR 1970 BOTOP 04572 AIR TEMP 21. DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0040 MONTH 10 SHIP 01 WET DULC 18. 20 WIND-SPO 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR DURATION 00.5 2 SQUARE 48  
 LONG 048 01 W HOUR 06.1 AREA 05 CLOUD T/A CLZTR WEATHER XI CRIG E47 040 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SN0 VFL	XYG	PD4	TOT P	NO2	NO3	SI03	PH
06.0	OBS	0000	23.25	35.74	24.44		1531.4							
	OBS	0010	23.25	35.75	24.45		1531.6							
	OBS	0020	23.25	35.41	24.77		1532.1							
	OBS	0022	23.94	36.34	24.85		1533.1							
	OBS	0030	23.70	36.32	24.76		1533.7							
	OBS	0050	23.59	36.30	24.77		1533.7							
	OBS	0075	18.63	36.24	26.12		1521.1							
	OBS	0100	17.35	36.32	26.46		1517.4							
	OBS	0115	16.54	36.32	26.56		1517.0							
	OBS	0150	16.72	36.32	26.61		1516.4							
	OBS	0200	15.91	36.16	26.66		1514.9							
	OBS	0220	14.53	35.79	26.70		1510.5							
	OBS	0230	14.80	35.93	26.75		1511.7							
	OBS	0240	14.68	35.40	26.75		1511.4							
	OBS	0250	14.76	35.97	26.75		1511.4							
	OBS	0300	14.21	35.37	26.87		1510.2							
	OBS	0400	12.69	35.65	26.88		1507.2							
	OBS	0500	10.70	35.35	27.12		1501.6							
	OBS	0600	08.91	35.17	27.25		1496.4							
	OBS	0700	06.99	35.06	27.45		1490.6							
	OBS	0712	06.89	35.05	27.45		1490.4							
	OBS	0730	06.98	35.10	27.52		1491.1							
	OBS	0800	05.88	35.04	27.62		1487.4							
	OBS	0900	05.30	35.05	27.70		1487.2							
	OBS	01000	04.97	35.04	27.74		1487.5							
	OBS	01100	04.82	35.06	27.76		1486.5							
	OBS	01200	04.55	35.03	27.77		1489.1							
	OBS	01300	04.31	35.01	27.77		1489.7							
	OBS	01400	04.16	35.00	27.75		1490.3							
	OBS	01492	04.10	34.99	27.74		1492.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04023 AIR TEMP 22.0 DIP HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 CONSEC 0041 MONTH 10 SHIP E1 WET BULB 15.0 01 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 15 DATA USE 1 BAROMETR 1024.7 SEA 3 WIND-F.R. DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HOUR 12.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 041 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TGT P	NO2	NO3	S133	PH
12.2	DBS	00000	23.65	36.18	24.66		1532.9							
	DBS	00010	23.64	36.18	24.66		1533.1							
	DBS	00020	23.64	36.18	24.66		1533.2							
	DBS	00030	23.64	36.18	24.66		1533.4							
	DBS	00050	23.64	36.18	24.66		1533.7							
	DBS	00075	19.22	36.32	25.95		1522.8							
	DBS	00100	17.02	36.18	26.43		1516.7							
	DBS	00112	16.75	36.20	26.51		1516.1							
	DBS	00119	16.90	36.35	26.59		1516.8							
	DBS	00125	16.81	36.33	26.60		1516.6							
	DBS	00150	16.67	36.33	26.63		1516.6							
	DBS	00200	15.01	36.00	26.76		1511.9							
	DBS	00250	14.41	35.90	26.81		1510.7							
	DBS	00300	13.66	35.80	26.89		1509.0							
	DBS	00400	11.74	35.49	27.04		1503.7							
	DBS	00500	10.34	35.34	27.18		1500.3							
	DBS	00600	08.20	35.13	27.37		1493.7							
	DBS	00700	06.75	35.11	27.56		1489.7							
	DBS	00800	05.71	35.05	27.65		1467.2							
	DBS	00900	05.20	35.06	27.72		1486.8							
	DBS	00950	04.64	35.05	27.75		1486.8							
	DBS	01000	04.92	35.07	27.76		1487.3							
	DBS	01011	05.01	35.08	27.76		1487.9							
	DBS	01100	04.68	35.06	27.78		1488.0							
	DBS	01200	04.51	35.05	27.79		1488.9							
	DBS	01300	04.31	35.04	27.81		1489.8							
	DBS	01400	04.13	35.02	27.81		1490.7							
	DBS	01483	04.08	35.02	27.82		1491.8							

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REFID 31 8226 YEAR 1970 BOTOP 04389 AIR TEMP 28.0 DIP HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206  
 CONSEC 0042 MONTH 10 SHIP E1 WET BULB 23.0 06 2 5 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 15 DATA USE 1 BAROMETR 1023.4 SEA 3 WIND-F.R. DURATION 00.6 2 SQUARE 46  
 LONG 047 58 W HOUR 18.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 042 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S133	PH
18.5	DBS	00000	23.63	36.06	24.57		1532.7							
	DBS	00010	23.75	36.12	24.58		1533.3							
	DBS	00020	23.67	36.12	24.61		1533.2							
	DBS	00030	23.80	36.22	24.64		1533.8							
	DBS	00050	23.80	36.25	24.67		1534.2							
	DBS	00075	18.58	35.95	25.87		1520.5							
	DBS	00100	16.71	36.12	26.46		1515.7							
	DBS	00125	16.38	36.23	26.62		1515.2							
	DBS	00150	15.92	36.19	26.70		1514.2							
	DBS	00200	15.20	36.07	26.77		1512.6							
	DBS	00235	14.30	35.85	26.80		1510.0							
	DBS	00250	14.40	35.92	26.83		1510.7							
	DBS	00300	13.97	35.87	26.88		1510.1							
	DBS	00400	12.62	35.64	26.98		1506.9							
	DBS	00500	10.71	35.40	27.16		1501.7							
	DBS	00600	08.73	35.17	27.31		1495.8							
	DBS	00700	06.91	35.08	27.51		1490.3							
	DBS	00800	05.66	35.04	27.65		1486.9							
	DBS	00900	05.22	35.05	27.71		1466.8							
	DBS	01000	04.86	35.05	27.75		1487.0							
	DBS	01100	04.62	35.04	27.77		1487.7							
	DBS	01150	04.56	35.04	27.78		1488.3							
	DBS	01180	04.64	35.06	27.79		1489.1							
	DBS	01200	04.55	35.06	27.80		1489.1							
	DBS	01300	04.24	35.02	27.80		1489.4							
	DBS	01400	04.13	35.02	27.81		1490.7							
	DBS	01495	04.11	35.01	27.80		1492.2							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04572 AIR TEMP 22. DIR HGT PER WIND-DIR 05 INST STD RECORDER TFN SQ 1206  
 CONSEC 0043 MONTH 10 SHIP E1 WET BULB 18. 01 1 4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 16 DATA USE 1 BAROMETR 1025.4 SEA WIND-FJR DURATION 00.4 2 SQUARE 48  
 LONG 048 09 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E47 043 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	LYNPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	SIJ3	PH
00.0	DBS	00000	23.68	36.21	24.67		1533.5							
	DBS	00010	23.70	36.22	24.67		1533.5							
	DBS	00020	23.71	36.24	24.69		1533.5							
	DBS	00030	23.72	36.25	24.69		1533.7							
	DBS	00050	23.72	36.27	24.71		1534.0							
	DBS	00075	18.93	35.96	25.79		1511.5							
	DBS	00092	17.10	36.09	26.74		1516.7							
	DBS	00097	17.36	36.25	26.40		1517.7							
	DBS	00100	17.18	36.22	26.42		1517.2							
	DBS	00125	16.38	36.26	26.65		1515.3							
	DBS	00140	16.00	36.20	26.65		1514.3							
	DBS	00150	16.08	36.24	26.70		1514.7							
	DBS	00190	14.54	35.97	26.76		1510.1							
	DBS	00200	14.84	35.99	26.75		1511.4							
	DBS	00220	14.52	35.92	26.80		1510.6							
	DBS	00235	14.62	35.98	26.82		1511.2							
	DBS	00250	14.42	35.94	26.84		1510.8							
	DBS	00300	13.67	35.81	26.90		1509.3							
	DBS	00400	11.84	35.54	27.06		1504.2							
	DBS	00500	10.28	35.37	27.21		1500.1							
	DBS	00600	08.13	35.15	27.35		1493.5							
	DBS	00623	07.76	35.13	27.43		1492.4							
	DBS	00650	07.68	35.17	27.48		1492.6							
	DBS	00700	06.67	35.10	27.56		1489.4							
	DBS	00800	05.84	35.07	27.65		1487.7							
	DBS	00810	05.62	35.06	27.67		1487.0							
	DBS	00900	05.09	35.06	27.73		1486.3							
	DBS	01000	04.80	35.07	27.78		1486.6							
	DBS	01100	04.57	35.06	27.75		1487.5							
	DBS	01200	04.35	35.04	27.80		1488.2							
	DBS	01300	04.21	35.03	27.81		1489.3							
	DBS	01400	04.06	35.02	27.82		1490.4							
	DBS	01465	04.07	35.02	27.82		1491.5							

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REFID 31 8226 YEAR 1970 BOTOP 03841 AIR TEMP 21. DIR HGT PER WIND-DIR 06 INST STD RECORDER TFN SQ 1206  
 CONSEC 0044 MONTH 10 SHIP E1 WET BULB 18. 02 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 16 DATA USE 1 BAROMETR 1025.4 SEA WIND-FJR DURATION 00.5 2 SQUARE 48  
 LONG 048 01 W HOUR 04.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E47 044 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	LYNPTH	SND VEL	DAYG	PD4	TOT P	NO2	NO3	SIJ3	PH
06.1	DBS	00000	23.57	36.08	24.61		1532.6							
	DBS	00010	23.58	36.08	24.60		1532.8							
	DBS	00020	23.58	36.08	24.60		1533.0							
	DBS	00030	23.55	36.08	24.60		1533.2							
	DBS	00050	23.51	36.06	24.61		1533.3							
	DBS	00075	18.44	35.99	25.94		1520.2							
	DBS	00100	16.83	36.11	26.42		1516.0							
	DBS	00125	16.38	36.19	26.59		1515.2							
	DBS	00150	15.88	36.11	26.65		1514.0							
	DBS	00165	15.89	36.13	26.66		1514.3							
	DBS	00200	15.19	36.01	26.73		1512.5							
	DBS	00220	14.60	35.87	26.75		1510.8							
	DBS	00225	14.69	35.92	26.77		1511.2							
	DBS	00250	14.52	35.89	26.78		1511.1							
	DBS	00300	13.89	35.79	26.84		1509.7							
	DBS	00400	12.90	35.64	26.93		1507.9							
	DBS	00500	10.65	35.31	27.10		1501.3							
	DBS	00600	08.36	35.11	27.33		1494.3							
	DBS	00700	06.91	35.04	27.48		1490.3							
	DBS	00720	06.91	35.07	27.51		1490.6							
	DBS	00735	06.56	35.05	27.54		1489.5							
	DBS	00800	05.76	35.02	27.62		1487.3							
	DBS	00900	05.30	35.03	27.68		1487.1							
	DBS	00920	05.13	35.02	27.70		1486.8							
	DBS	00950	05.20	35.05	27.71		1487.6							
	DBS	00970	04.93	35.02	27.72		1486.8							
	DBS	00980	05.08	35.08	27.75		1487.6							
	DBS	01000	05.03	35.08	27.76		1487.8							
	DBS	01100	04.71	35.04	27.76		1488.1							
	DBS	01120	04.55	35.02	27.76		1487.7							
	DBS	01200	04.38	35.01	27.77		1488.3							
	DBS	01300	04.36	35.00	27.77		1489.9							
	DBS	01400	04.16	34.99	27.78		1490.7							
	DBS	01500	04.06	34.98	27.79		1492.0							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 03658 AIR TEMP 21.2 DIR HGT PER WIND-DIR 08 INST STD RECORDER TEN SQ 1206  
 CONSEC 0045 MONTH 10 SHIP E1 WET BULB 18.3 01 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1026.1 SEA 3 WIND-FOF DURATION 00.3 2 SQUARE 48  
 LONG 048 10 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 045 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	ND2	ND3	SID3	PH
12.2	08S	0000	23.33	35.92	24.55		1531.8							
	08S	0010	23.35	35.92	24.55		1532.1							
	08S	0020	23.35	35.91	24.54		1532.2							
	08S	0030	23.73	36.10	24.57		1533.5							
	08S	0045	24.21	36.54	24.76		1535.4							
	08S	0050	23.48	36.26	24.77		1533.4							
	08S	0075	19.13	35.92	25.71		1522.0							
	08S	0100	17.11	36.12	26.36		1516.9							
	08S	0125	14.99	35.75	26.57		1510.3							
	08S	0142	15.80	36.14	26.69		1513.6							
	08S	0150	15.73	36.11	26.68		1513.5							
	08S	0200	14.82	35.94	26.75		1511.3							
	08S	0250	14.27	35.85	26.80		1510.2							
	08S	0300	13.57	35.74	26.87		1508.6							
	08S	0400	12.00	35.52	27.01		1504.7							
	08S	0500	09.80	35.27	27.22		1498.2							
	08S	0550	08.92	35.17	27.28		1495.7							
	08S	0600	08.31	35.11	27.33		1494.1							
	08S	0700	06.81	35.05	27.51		1489.9							
	08S	0800	05.61	35.01	27.63		1486.7							
	08S	0900	05.11	35.01	27.69		1486.3							
	08S	1000	04.73	35.01	27.74		1486.4							
	08S	1100	04.48	35.00	27.76		1487.1							
	08S	1200	04.30	35.00	27.78		1488.0							
	08S	1300	04.14	34.99	27.78		1489.0							
	08S	1400	04.13	34.98	27.78		1490.6							
	08S	01500	04.04	34.97	27.78		1491.9							

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REFID 31 8226 YEAR 1970 BOTDP 04206 AIR TEMP 23.3 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 CONSEC 0046 MONTH 10 SHIP E1 WET BULB 18.3 06 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 16 DATA USE 1 BAROMETR 1024.0 SEA 3 WIND-FOF DURATION 00.5 2 SQUARE 46  
 LONG 047 59 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 046 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	ND2	ND3	SID3	PH
18.0	08S	0000	23.49	36.09	24.64		1532.4							
	08S	0010	23.50	36.09	24.63		1532.6							
	08S	0020	23.59	36.16	24.66		1533.1							
	08S	0030	23.61	36.16	24.65		1533.3							
	08S	0045	23.63	36.21	24.69		1533.6							
	08S	0050	23.38	36.17	24.73		1533.1							
	08S	0075	18.83	36.09	25.92		1521.4							
	08S	0100	16.92	36.14	26.43		1516.3							
	08S	0125	16.53	36.19	26.56		1515.6							
	08S	0150	16.34	36.22	26.62		1515.5							
	08S	0170	16.23	36.22	26.65		1515.5							
	08S	0200	15.63	36.11	26.70		1514.0							
	08S	0250	14.57	35.94	26.81		1511.3							
	08S	0300	14.06	35.84	26.84		1510.3							
	08S	0400	12.62	35.60	26.95		1506.9							
	08S	0460	11.80	35.52	27.05		1505.0							
	08S	0500	10.76	35.32	27.09		1501.7							
	08S	0600	09.11	35.17	27.25		1497.2							
	08S	0680	07.42	35.05	27.42		1491.9							
	08S	0700	07.47	35.11	27.46		1492.5							
	08S	0800	05.98	35.02	27.55		1488.2							
	08S	0900	05.43	35.03	27.67		1487.7							
	08S	1000	05.23	35.07	27.72		1488.6							
	08S	1100	04.82	35.04	27.75		1488.5							
	08S	1200	04.42	35.00	27.76		1488.5							
	08S	1255	04.34	34.99	27.76		1489.1							
	08S	1275	04.41	35.00	27.76		1489.7							
	08S	1300	04.27	34.98	27.76		1489.5							
	08S	1318	04.22	34.98	27.77		1489.6							
	08S	1335	04.27	34.98	27.76		1490.1							
	08S	1350	04.12	34.96	27.76		1489.7							
	08S	1400	04.08	34.96	27.77		1490.4							
	08S	01500	04.00	34.96	27.78		1491.7							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 03292 AIR TEMP 21.1 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CONSEC 0047 MONTH 10 SHIP E1 WET BULB 17.6 01 WIND-SPD 16 TRACE DIR D 5 SQUARE 4  
 LAT 35 03 N DAY 17 DATA USE 1 BAROMETR 1024.7 SEA 3 WIND-F3P DURATION 00.6 2 SQUARE 48  
 LONG 048 07 W HOUR 00.0 AREA 05 CLCUD T/A CL/TR WEATHER X1 GRIG E47 047 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
00.0	DBS	00000	23.55	36.12	24.64		1532.6							
	DBS	00010	23.55	36.13	24.65		1532.8							
	DBS	00020	23.56	36.13	24.65		1533.0							
	DBS	00030	23.56	36.13	24.65		1533.1							
	DBS	00050	23.57	36.13	24.64		1533.5							
	DBS	00075	18.54	36.07	25.97		1520.6							
	DBS	00100	16.99	36.17	26.43		1516.6							
	DBS	00125	16.57	36.25	26.59		1515.8							
	DBS	00150	16.21	36.21	26.65		1515.1							
	DBS	00200	14.57	35.84	26.73		1510.3							
	DBS	00225	14.68	35.93	26.78		1511.2							
	DBS	00250	14.34	35.86	26.80		1510.4							
	DBS	00300	13.68	35.77	26.87		1509.0							
	DBS	00400	11.85	35.48	27.01		1504.1							
	DBS	00450	10.97	35.35	27.07		1501.7							
	DBS	00455	11.02	35.42	27.12		1502.0							
	DBS	00500	10.07	35.27	27.17		1499.2							
	DBS	00600	08.45	35.13	27.33		1494.7							
	DBS	00650	07.24	35.06	27.45		1490.8							
	DBS	00680	07.45	35.17	27.51		1492.2							
	DBS	00700	07.02	35.11	27.52		1490.8							
	DBS	00800	05.70	35.04	27.64		1487.1							
	DBS	00860	05.37	35.07	27.71		1486.8							
	DBS	00900	05.37	35.09	27.72		1487.5							
	DBS	00910	05.43	35.14	27.76		1488.0							
	DBS	01000	04.77	35.09	27.79		1486.7							
	DBS	01100	04.42	35.06	27.81		1486.9							
	DBS	01200	04.24	35.02	27.80		1487.8							
	DBS	01300	04.13	35.02	27.81		1489.0							
	DBS	01400	04.05	35.01	27.81		1490.3							
	DBS	01487	03.99	35.00	27.81		1491.5							

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REFID 31 8226 YEAR 1970 BOTOP 03383 AIR TEMP 21.0 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0048 MONTH 10 SHIP E1 WET BULB 17.6 06 WIND-SPD 21 TRACE DIR D 5 SQUARE 4  
 LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1023.0 SEA 3 WIND-F3P DURATION 00.6 2 SQUARE 46  
 LONG 047 52 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E47 048 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
06.2	DBS	00000	23.25	36.00	24.64		1531.7							
	DBS	00010	23.26	36.00	24.64		1531.9							
	DBS	00020	23.39	36.19	24.74		1532.6							
	DBS	00025	23.22	36.16	24.77		1532.3							
	DBS	00030	23.40	36.26	24.79		1532.9							
	DBS	00040	23.41	36.28	24.80		1533.1							
	DBS	00050		35.98										
	DBS	00075	18.39	36.27	26.16		1520.4							
	DBS	00100	17.69	36.34	26.39		1516.8							
	DBS	00125	17.32	36.32	26.47		1518.1							
	DBS	00150	16.93	36.25	26.51		1517.3							
	DBS	00182	15.91	36.07	26.61		1514.5							
	DBS	00200	15.63	35.99	26.61		1513.9							
	DBS	00250	14.83	35.93	26.74		1512.1							
	DBS	00300	14.10	35.83	26.82		1510.4							
	DBS	00400	13.08	35.66	26.91		1508.5							
	DBS	00500	11.55	35.50	27.08		1504.7							
	DBS	00600	09.37	35.24	27.26		1498.2							
	DBS	00700	07.59	35.10	27.43		1493.0							
	DBS	00710	07.71	35.19	27.49		1493.7							
	DBS	00800	06.15	35.07	27.61		1489.0							
	DBS	00870	05.88	35.10	27.67		1489.1							
	DBS	00876	05.68	35.07	27.67		1488.3							
	DBS	00885	05.84	35.13	27.70		1489.2							
	DBS	00900	05.67	35.12	27.71		1488.8							
	DBS	00918	05.58	35.13	27.73		1488.7							
	DBS	00929	05.85	35.20	27.75		1450.1							
	DBS	00983	05.21	35.09	27.74		1488.2							
	DBS	01000	05.18	35.10	27.75		1488.4							
	DBS	01050	05.00	35.09	27.77		1488.5							
	DBS	01080	04.63	35.03	27.76		1487.4							
	DBS	01100	04.58	35.03	27.77		1487.5							
	DBS	01200	04.42	35.02	27.78		1488.5							
	DBS	01300	04.26	35.01	27.79		1469.5							
	DBS	01400	04.09	35.00	27.80		1450.5							
	DBS	01495	04.02	34.99	27.80		1491.7							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 03795 AIR TEMP 22.5 DIR HGT PER WIND-OIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0049 MONTH 10 SHIP E1 WET BULB 18.3 06 WIND-SPD 12 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 17 DATA USE 1 BAROMETR 1022.7 SEA 3 WIND-FSP DURATION 00.5 2 SQUARE 46  
 LONG 047 56 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 GPIG E47 049 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	23.48	36.13	24.67		1532.4							
	08S	00010	23.47	36.13	24.67		1532.6							
	08S	00020	23.48	36.13	24.67		1532.8							
	08S	00030	23.48	36.13	24.67		1532.9							
	08S	00050	23.53	36.25	24.75		1533.5							
	08S	00075	18.92	36.21	25.59		1521.8							
	08S	00100	17.04	36.25	26.48		1516.8							
	08S	00105	17.12	36.31	26.51		1517.2							
	08S	00122	16.41	36.17	26.57		1515.2							
	08S	00125	16.52	36.24	26.60		1515.7							
	08S	00150	16.10	36.18	26.65		1514.7							
	08S	00200	15.20	36.04	26.75		1512.6							
	08S	00250	14.57	35.94	26.81		1511.3							
	08S	00300	13.82	35.81	26.87		1509.5							
	08S	00400	11.89	35.52	27.03		1506.3							
	08S	00460	11.16	35.46	27.12		1502.7							
	08S	00480	11.16	35.46	27.12		1503.0							
	08S	00500	10.59	35.38	27.15		1501.2							
	08S	00600	08.34	35.14	27.5		1494.5							
	08S	00640	07.50	35.09	27.44		1491.6							
	08S	00680	07.48	35.16	27.50		1492.3							
	08S	00700	07.13	35.13	27.52		1491.2							
	08S	00800	05.83	35.08	27.68		1487.7							
	08S	00844	05.45	35.07	27.70		1487.2							
	08S	00890	05.54	35.10	27.71		1488.0							
	08S	00900	05.43	35.10	27.72		1487.3							
	08S	00926	05.08	35.06	27.73		1486.7							
	08S	00970	05.07	35.07	27.74		1487.4							
	08S	00977	05.15	35.10	27.75		1487.9							
	08S	01000	05.03	35.08	27.76		1487.2							
	08S	01035	04.83	35.06	27.76		1487.5							
	08S	01100	04.72	35.06	27.76		1486.1							
	08S	01200	04.47	35.04	27.79		1483.7							
	08S	01300	04.30	35.03	27.80		1483.7							
	08S	01400	04.06	35.01	27.81		1480.3							
	08S	01490	03.98	35.00	27.81		1481.5							

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REFID 31 8226 YEAR 1970 BOTOP 04389 AIR TEMP 27. DIR HGT PER WIND-OIR 09 INST STD RECORDER TEN SQ 1206  
 CONSEC 0050 MONTH 10 SHIP E1 WET BULB 20. 08 2 4 WIND-SPD 19 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 17 DATA USE 1 BAROMETR 1021.3 SEA WIND-FSP DURATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 17.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 050 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.9	08S	00000	23.58	36.14	24.65		1532.7							
	08S	00010	23.57	36.14	24.65		1532.8							
	08S	00020	23.57	36.14	24.65		1533.0							
	08S	00030	23.57	36.14	24.65		1533.2							
	08S	00050	23.45	36.19	24.72		1533.3							
	08S	00075	17.89	36.27	26.29		1518.9							
	08S	00100	17.26	36.38	26.53		1517.6							
	08S	00120	16.73	36.31	26.60		1516.3							
	08S	00125	16.66	36.35	26.60		1516.8							
	08S	00133	16.93	36.37	26.60		1517.2							
	08S	00150	16.56	36.32	26.65		1516.3							
	08S	00200	15.61	36.12	26.72		1514.0							
	08S	00250	14.63	35.96	26.81		1511.5							
	08S	00300	13.81	35.83	26.89		1509.5							
	08S	00385	12.97	35.68	26.94		1507.9							
	08S	00393	13.12	35.79	27.00		1508.7							
	08S	00400	13.03											
	08S	00412	12.78	35.65	26.99		1507.7							
	08S	00433	12.70	35.70	27.01		1507.8							
	08S	00500	11.83	35.58	27.05		1505.8							
	08S	00600	09.62	35.24	27.22		1499.2							
	08S	00650	08.25	35.16	27.38		1494.8							
	08S	00676	08.14	35.16	27.40		1494.8							
	08S	00700	07.31	35.08	27.46		1491.9							
	08S	00800	06.06	35.07	27.62		1488.6							
	08S	00900	05.35	35.07	27.71		1487.4							
	08S	00954	05.04	35.07	27.75		1487.0							
	08S	00970	05.21	35.10	27.75		1488.0							
	08S	00980	05.03	35.08	27.76		1487.4							
	08S	01000	04.55	35.08	27.77		1487.4							
	08S	01100	04.80	35.09	27.75		1488.5							
	08S	01150	04.45	35.04	27.79		1487.8							
	08S	01200	04.40	35.03	27.79		1488.4							
	08S	01220	04.77	35.03	27.79		1488.6							
	08S	01260	04.47	35.06	27.80		1489.8							
	08S	01300	04.41	35.05	27.80		1490.2							
	08S	01400	04.17	35.03	27.81		1490.8							
	08S	01400	04.12	35.02	27.81		1492.3							

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TABLE XXVI.- Continued

REFID 31 R226 YEAR 1970 BGTOP 02195 AIR TEMP 22.0 DIR HGT PER WIND-DIR 04 INST STD RECORDER T N SQ 1206  
 CUNSEC 0051 MONTH 10 SHIP 51 AFT HULP 19.0 08 WIND-SPD 18 TRAFIC DIR 0 TRAFFIC DIR 5 SQUARE 4  
 LAT 15 03 N DAY 18 DATA USE 1 RA-REFR 1022.0 SEA 3 WIND-FIR 00.4 WIND-FIR 2 SQUARE 48  
 LONG 048 07 W HOUR 00.00 AREA 05 CLOUD TZA CL/TF WEATHER 41 DRIG F47 051 DRIG F47 051 1 SQUARE 58

CASTNO/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND V-L	XYG	PSW	TST P	NO2	NO3	S103	PH
00.0	DBS	00000	23.29	35.98	24.61		1531.8							
	BS	00010	23.29	35.98	24.61		1532.0							
	BS	00020	23.30	35.98	24.61		1532.2							
	BS	00030	23.30	35.98	24.61		1532.4							
	BS	00040	23.53	36.14	24.67		1533.4							
	BS	00075	18.53	36.01	24.43		1520.5							
	BS	00100	16.60	36.09	24.46		1515.3							
	BS	00125	16.20	36.13	24.59		1514.5							
	BS	00150	15.51	36.15	24.67		1512.7							
	BS	00200	14.54	36.09	24.78		1510.3							
	BS	00230	13.89	36.07	24.82		1508.5							
	BS	00233	14.00	36.04	24.85		1509.0							
	BS	00250	13.52	36.04	24.89		1507.6							
	BS	00267	13.15	36.02	24.92		1506.5							
	BS	00285	13.47	36.07	24.91		1504.1							
	BS	00300	13.22	36.01	24.94		1502.4							
	BS	00400	11.74	36.08	24.94		1494.7							
	BS	00500	10.29	36.12	24.97		1500.0							
	BS	00600	08.38	36.10	24.91		1494.4							
	BS	00640	06.98	36.05	24.98		1490.2							
	BS	00700	06.41	36.06	24.90		1490.3							
	BS	00800	05.73	36.01	24.82		1487.2							
	BS	00848	05.59	36.03	24.85		1487.4							
	BS	00900	05.16	36.01	24.85		1486.5							
	BS	00950	04.97	36.01	24.71		1486.6							
	BS	01000	05.05	36.05	24.73		1487.8							
	BS	01020	05.08	36.05	24.73		1488.3							
	BS	01100	04.44	36.04	24.74		1488.8							
	BS	01140	04.54	36.00	24.74		1488.2							
	BS	01155	04.64	36.02	24.75		1488.7							
	BS	01200	04.50	36.01	24.76		1488.9							
	BS	01300	04.26	36.09	24.77		1489.5							
	BS	01400	04.11	36.07	24.77		1490.5							
	BS	01490	03.98	36.06	24.76		1491.5							

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REFID 31 R226 YEAR 1970 BGTOP 04115 AIR TEMP 22.0 DIR HGT PER WIND-DIR 04 INST STD RECORDER T N SQ 1206  
 CUNSEC 0051 MONTH 10 SHIP 51 AFT HULP 19.0 08 WIND-SPD 18 TRAFIC DIR 0 TRAFFIC DIR 5 SQUARE 4  
 LAT 15 03 N DAY 18 DATA USE 1 RA-REFR 1022.0 SEA 3 WIND-FIR 00.4 WIND-FIR 2 SQUARE 48  
 LONG 047 51 W HOUR 06.11 AREA 05 CLOUD TZA CL/TF WEATHER 41 DRIG F47 052 DRIG F47 052 1 SQUARE 57

CASTNO/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND V-L	XYG	PSW	TST P	NO2	NO3	S103	PH
06.11	DBS	00000	23.35	36.01	24.62		1532.0							
	BS	00010	23.36	36.01	24.61		1532.0							
	BS	00020	23.36	36.12	24.62		1532.4							
	BS	00040	23.36	36.02	24.62		1532.5							
	BS	00040	23.64	36.17	24.68		1533.5							
	BS	00050	20.68	36.01	24.49		1525.9							
	BS	00075	17.66	36.17	24.27		1514.1							
	BS	00090	17.05	36.15	24.40		1516.6							
	BS	00100	17.09	36.27	24.44		1517.0							
	BS	00116	17.12	36.33	24.54		1517.4							
	BS	00125	16.98	36.29	24.47		1517.1							
	BS	00150	16.55	36.24	24.54		1516.2							
	BS	00200	15.70	36.09	24.67		1514.2							
	BS	00250	14.84	36.04	24.74		1512.1							
	BS	00300	13.94	36.09	24.77		1509.4							
	BS	00400	12.97	36.05	24.92		1504.1							
	BS	00400	11.05	36.34	24.84		1501.4							
	BS	00555	10.52	36.33	24.84		1501.8							
	BS	00600	09.22	36.16	24.97		1497.6							
	BS	00670	07.47	36.15	24.95		1492.7							
	BS	00700	07.32	36.07	24.94		1491.4							
	BS	00707	07.40	36.12	24.94		1492.4							
	BS	00800	05.89	36.01	24.60		1487.4							
	BS	00850	05.65	36.15	24.86		1487.7							
	BS	00865	05.74	36.10	24.89		1488.4							
	BS	00855	05.59	36.07	24.89		1488.1							
	BS	00900	05.67	36.10	24.85		1488.7							
	BS	00925	05.43	36.16	24.87		1489.1							
	BS	00945	05.50	36.18	24.70		1488.4							
	BS	01000	05.11	36.06	24.84		1484.1							
	BS	01100	04.84	36.12	24.84		1487.7							
	BS	01200	04.48	36.01	24.74		1488.7							
	BS	01277	04.47	36.01	24.74		1489.7							
	BS	13	04.21	36.04	24.77		1489.3							
	BS	1400	04.14	36.04	24.74		1490.5							
	BS	1450	04.02	36.07	24.74		1491.5							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTDP 02560 AIP TEMP 22.0 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CONSEC 0053 MONTH 10 SHIP E1 WET BULB 19.0 09 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 18 DATA USE 1 BAROMETR 1019.0 SEA 3 WIND-FJR OUFATION 00.5 2 SQUARE 48  
 LONG 048 07 W HOUR 12.2 AREA 05 CLCUD T/A CL/T/P WEATHER X1 ORIG E47 053 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.2	DBS	00000	23.36	36.02	24.62		1532.0							
	DBS	00010	23.36	36.02	24.62		1532.2							
	DBS	00020	23.36	36.02	24.62		1532.4							
	DBS	00030	23.35	36.02	24.62		1532.5							
	DBS	00050	23.42	36.15	24.70		1533.1							
	DBS	00075	18.62	36.00	25.60		1520.7							
	DBS	00100	16.62	36.11	26.47		1515.6							
	DBS	00125	16.07	36.14	26.63		1514.2							
	DBS	00150	15.70	36.11	26.69		1513.4							
	DBS	00200	15.05	36.01	26.76		1512.1							
	DBS	00250	14.18	35.96	26.83		1509.9							
	DBS	00300	13.62	35.78	26.99		1508.8							
	DBS	00333	12.98	35.64	26.91		1507.1							
	DBS	00400	12.16	35.55	27.00		1505.3							
	DBS	00500	10.61	35.36	27.14		1501.2							
	DBS	00600	08.51	35.15	27.33		1494.9							
	DBS	00653	07.31	35.05	27.43		1491.1							
	DBS	00700	07.01	35.11	27.52		1490.7							
	DBS	00800	05.71	35.04	27.64		1487.1							
	DBS	00900	05.19	35.05	27.71		1486.7							
	DBS	00940	05.12	35.08	27.75		1487.1							
	DBS	00950	05.29	35.12	27.76		1488.0							
	DBS	01000	05.05	35.08	27.75		1487.8							
	DBS	01100	04.69	35.05	27.77		1488.0							
	DBS	01200	04.50	35.04	27.79		1488.9							
	DBS	01300	04.32	35.02	27.79		1489.8							
	DBS	01400	04.07	34.99	27.76		1490.4							
	DBS	01495	04.02	34.98	27.79		1491.7							

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REFID 31 8226 YEAR 1970 BOTDP 03292 AIP TEMP 24.0 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0054 MONTH 10 SHIP E1 WET BULB 19.0 09 2 4 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1019.0 SEA WIND-FJR OUFATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 18.0 AREA 05 CLCUD T/A CL/T/P WEATHER X1 ORIG E47 054 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.0	DBS	00000	23.48	36.01	24.58		1532.3							
	DBS	00010	23.34	35.98	24.60		1532.1							
	DBS	00020	23.34	36.01	24.62		1532.3							
	DBS	00030	23.67	36.20	24.67		1533.5							
	DBS	00040	23.77	36.26	24.68		1534.0							
	DBS	00050	22.02	36.05	25.03		1525.3							
	DBS	00075	17.77	36.01	26.12		1518.3							
	DBS	00100	16.77	36.12	26.45		1515.8							
	DBS	00125	16.46	36.20	26.58		1515.4							
	DBS	00150	16.29	36.22	26.64		1515.3							
	DBS	00200	15.40	36.07	26.72		1513.2							
	DBS	00250	14.27	35.81	26.77		1510.1							
	DBS	00272	13.75	35.73	26.82		1508.7							
	DBS	00283	14.02	35.85	26.86		1509.9							
	DBS	00300	13.72	35.78	26.87		1509.1							
	DBS	00400	12.41	35.57	26.97		1506.1							
	DBS	00500	10.81	35.38	27.12		1502.0							
	DBS	00600	08.79	35.14	27.28		1496.0							
	DBS	00660	07.28	35.02	27.42		1491.0							
	DBS	00700	06.96	35.06	27.45		1490.5							
	DBS	00800	05.81	35.02	27.61		1487.5							
	DBS	00900	05.28	35.02	27.68		1487.0							
	DBS	00960	05.06	35.04	27.72		1487.2							
	DBS	01000	04.85	35.02	27.73		1486.9							
	DBS	01030	04.44	35.05	27.74		1487.9							
	DBS	01100	04.60	35.01	27.75		1487.6							
	DBS	01200	04.50	35.00	27.75		1488.8							
	DBS	01300	04.29	34.99	27.77		1489.6							
	DBS	01400	04.01	34.98	27.79		1490.1							
	DBS	01460	03.98	34.97	27.79		1491.0							

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TABLE XXVI.—Continued

REFID 31 82.6 YEAR 1970 BJTDP 04390 AIR TEMP 22. OIP HGT PER WIND-DIR 13 INST STD RECORDER TIM SQ 1206  
 CONSEC 0055 MONTH 10 SHIP E1 WET BULB 18. 07 WIND-SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 19 DATA USE 1 BAROMETR 1017.9 SEA 2 WIND-FDP DURATION 00.4 2 SQUARE 46  
 LONG 047 59 W HOUR 06.5 AREA 05 CLOUD T/A CL/TP WEATHER Xc ORIG E47 055 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
06.5	OBS	00003	23.40	36.14	24.70		1532.3							
	OBS	00010	23.40	36.14	24.70		1532.4							
	OBS	00020	23.42	36.16	24.71		1532.7							
	OBS	00030	23.40	36.16	24.72		1532.4							
	OBS	00035	23.77	36.35	24.75		1534.0							
	OBS	00050	22.52	36.14	24.76		1540.7							
	OBS	00075	18.42	36.02	24.97		1527.1							
	OBS	00100	16.82	36.12	24.93		1513.0							
	OBS	00125	16.57	36.24	24.99		1513.3							
	OBS	00150	16.30	36.25	24.96		1513.4							
	OBS	00200	15.54	36.12	24.72		1513.9							
	OBS	00250	14.62	35.90	24.77		1511.4							
	OBS	00300	13.92	35.80	24.74		1509.3							
	OBS	00400	12.84	35.64	24.94		1507.7							
	OBS	00420	12.54	35.60	24.97		1507.0							
	OBS	00435	12.64	35.65	24.94		1507.6							
	OBS	00500	11.64	35.52	27.09		1505.1							
	OBS	00600	09.17	35.19	27.06		1497.4							
	OBS	00700	07.05	35.24	27.06		1490.3							
	OBS	00750	06.71	35.08	27.04		1490.4							
	OBS	00800	05.57	35.34	27.61		1486.2							
	OBS	00888	05.47	35.05	27.69		1487.7							
	OBS	00900	05.56	35.09	27.70		1488.3							
	OBS	00910	05.61	35.12	27.72		1488.7							
	OBS	00920	05.45	35.10	27.72		1488.2							
	OBS	01000	05.14	35.08	27.74		1488.2							
	OBS	01100	04.71	35.06	27.78		1488.1							
	OBS	01130	04.47	35.02	27.77		1487.6							
	OBS	01145	04.62	35.07	27.80		1488.5							
	OBS	01190	04.52	35.04	27.79		1488.3							
	OBS	01200	04.58	35.04	27.78		1488.2							
	OBS	01300	04.43	35.03	27.79		1490.2							
	OBS	01400	04.18	34.99	27.78		1490.6							
	OBS	01500	04.01	34.98	27.79		1491.3							

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REFID 31 8226 YEAR 1970 BJTDP 04298 AIR TEMP 22. OIP HGT PER WIND-DIR 12 INST STD RECORDER TIM SQ 1206  
 CONSEC 0056 MONTH 10 SHIP E1 WET BULB 19. 10 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1019.6 SEA 3 WIND-FDP DURATION 00.5 2 SQUARE 48  
 LONG 048 15 W HOUR 12.2 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E47 056 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
12.2	OBS	00000	23.35	36.08	24.67		1532.1							
	OBS	00010	23.37	36.09	24.67		1532.3							
	OBS	00020	23.40	36.09	24.66		1532.5							
	OBS	00030	23.44	36.11	24.67		1532.8							
	OBS	00050	23.55	35.23	24.73		1533.6							
	OBS	00055	23.75	36.33	24.74		1534.2							
	OBS	00075	20.88	36.22	25.47		1527.2							
	OBS	00100	17.98	36.11	26.14		1519.4							
	OBS	00125	16.75	36.21	26.52		1516.3							
	OBS	00150	16.19	36.13	26.55		1514.9							
	OBS	00200	15.54	36.07	26.69		1513.7							
	OBS	00250	14.83	35.95	26.76		1512.1							
	OBS	00300	13.75	35.77	26.85		1509.2							
	OBS	00400	12.40	35.56	26.96		1506.1							
	OBS	00460	11.72	35.52	27.06		1504.7							
	OBS	00500	10.67	35.32	27.10		1501.4							
	OBS	00600	08.07	35.11	27.37		1493.2							
	OBS	00680	06.80	35.00	27.47		1489.4							
	OBS	00700	06.76	35.02	27.49		1489.6							
	OBS	00800	05.86	35.00	27.59		1487.7							
	OBS	00900	05.46	35.03	27.67		1487.8							
	OBS	00910	05.55	35.05	27.67		1488.3							
	OBS	01000	04.92	35.01	27.71		1487.2							
	OBS	01070	05.00	35.03	27.72		1488.7							
	OBS	01100	04.89	35.02	27.73		1488.8							
	OBS	01126	04.63	34.98	27.72		1488.1							
	OBS	01152	04.96	35.05	27.74		1490.0							
	OBS	01200	04.65	35.01	27.74		1489.4							
	OBS	01271	04.39	34.97	27.74		1489.5							
	OBS	01300	04.46	34.97	27.73		1490.3							
	OBS	01400	04.23	34.96	27.75		1491.0							
	OBS	01500	04.07	34.95	27.76		1492.0							

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TABLE XXVI.—Continued

REFID 31 B226 YEAR 1970 BOTOP 03759 AIR TEMP 23. DIP HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0057 MONTH 10 SHIP E1 WET BULB 19. OB 2 4 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 14 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 057 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI33	PH
18.0	08S	00000	23.37	36.05	24.64		1532.1							
	08S	00010	23.33	36.07	24.67		1532.2							
	08S	00020	23.34	36.08	24.67		1532.4							
	08S	00030	23.37	36.10	24.68		1532.6							
	08S	00045	23.82	36.39	24.77		1534.3							
	08S	00050	21.75	36.18	25.20		1529.0							
	08S	00075	18.40	36.27	26.16		1520.4							
	08S	00100	17.65	36.39	26.44		1518.8							
	08S	00125	16.72	36.20	26.52		1516.2							
	08S	00150	16.76	36.32	26.60		1516.9							
	08S	00180	16.60	36.27	26.60		1516.8							
	08S	00200	16.10	36.20	26.66		1515.6							
	08S	00250	15.55	36.15	26.75		1514.6							
	08S	00300	14.90	36.00	26.78		1513.2							
	08S	00400	13.85	35.81	26.86		1511.2							
	08S	00500	12.25	35.55	26.99		1507.2							
	08S	00600	09.44	35.21	27.23		1498.5							
	08S	00688	07.66	35.08	27.41		1493.0							
	08S	00690	07.80	35.17	27.46		1493.7							
	08S	00700	07.71	35.15	27.45		1493.5							
	08S	00780	06.33	35.07	27.59		1489.3							
	08S	00800	06.38	35.12	27.62		1489.9							
	08S	00900	05.37	35.06	27.70		1487.5							
	08S	00935	05.23	35.07	27.72		1487.5							
	08S	00945	05.30	35.08	27.72		1487.9							
	08S	01000	04.89	35.04	27.74		1487.1							
	08S	01070	04.70	35.04	27.76		1487.5							
	08S	01100	04.50	35.03	27.78		1487.2							
	08S	01200	04.25	35.02	27.80		1487.8							
	08S	01300	04.14	35.01	27.80		1489.0							
	08S	01400	04.01	35.00	27.81		1490.1							
	08S	01500	04.00	34.99	27.80		1491.7							

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REFID 31 9226 YEAR 1970 BOTOP 03475 AIR TEMP 22. DIP HGT PER WIND-DIR 15 INST STD RECORDER TFN SQ 1206  
 CONSEC 0058 MONTH 10 SHIP F1 WET BULB 18. OB 2 6 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 20 DATA USE 1 BAROMETR 1017.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 49 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E47 058 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI33	PH
00.0	08S	00000	23.30	36.09	24.69		1532.0							
	08S	00010	23.30	36.09	24.69		1532.1							
	08S	00020	23.31	36.12	24.71		1532.3							
	08S	00030	23.40	36.15	24.71		1532.8							
	08S	00050	23.63	36.34	24.78		1533.9							
	08S	00075	19.73	36.26	25.81		1524.1							
	08S	00100	17.70	36.39	26.43		1518.9							
	08S	00125	17.43	36.41	26.51		1518.6							
	08S	00150	16.53	36.22	26.58		1516.1							
	08S	00170	16.85	36.36	26.61		1517.5							
	08S	00200	16.16	36.22	26.67		1515.8							
	08S	00220	15.71	36.13	26.70		1514.6							
	08S	00228	15.82	36.20	26.73		1515.2							
	08S	00250	15.68	36.17	26.74		1515.1							
	08S	00300	14.94	36.04	26.80		1513.4							
	08S	00370	14.07	35.87	26.86		1511.5							
	08S	00400	13.91	35.82	26.86		1511.5							
	08S	00430	13.69	35.82	26.90		1511.2							
	08S	00492	11.61	35.39	26.98		1504.7							
	08S	00500	11.79	35.49	27.03		1505.6							
	08S	00600	08.88	35.13	27.26		1496.3							
	08S	00700	07.27	35.07	27.46		1491.7							
	08S	00768	06.52	35.07	27.56		1489.9							
	08S	00800	06.53	35.09	27.57		1490.5							
	08S	00900	05.50	35.04	27.67		1488.0							
	08S	01000	04.91	35.02	27.72		1487.2							
	08S	01100	04.75	35.02	27.74		1488.2							
	08S	01200	04.47	35.01	27.76		1488.7							
	08S	01300	04.26	34.98	27.76		1489.5							
	08S	01400	04.15	34.97	27.77		1490.7							
	08S	01495	04.14	34.97	27.77		1492.2							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04206 AIR TEMP 21. OIR HGT PER WIND-OIR 16 INST STD RECORDER TEN SQ 1206  
 CONSEC 0059 MONTH 10 SHIP E1 WET BULB 18. SEA 08 WIND-SPO 17 TRACE OIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 20 DATA USE 1 BAROMETR 1016.6 SEA 3 WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 06.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 059 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P34	TOT P	ND2	ND3	SI03	PH
06.1	085	00000	23.16	36.04	24.70		1531.6							
	085	00010	23.16	36.04	24.70		1531.7							
	085	00020	23.66	36.31	24.75		1533.4							
	085	00030	23.54	36.30	24.78		1533.3							
	085	00050	23.57	36.34	24.80		1533.7							
	085	00075	18.59	36.19	26.05		1520.8							
	085	00100	17.49	36.30	26.41		1517.7							
	085	00125	17.16	36.37	26.54		1517.0							
	085	00132	16.91	36.32	26.57		1517.5							
	085	00140	17.00	36.38	26.59		1517.5							
	085	00150	16.93	36.36	26.59		1517.4							
	085	00200	16.26	36.25	26.67		1516.1							
	085	00250	15.14	36.02	26.74		1513.2							
	085	00300	14.37	35.89	26.81		1511.4							
	085	00400	13.01	35.66	26.92		1508.3							
	085	00460	12.64	35.64	26.98		1508.0							
	085	00500	11.79	35.54	27.07		1505.6							
	085	00600	09.82	35.28	27.22		1499.9							
	085	00700	07.34	35.04	27.42		1491.9							
	085	00800	05.97	35.06	27.62		1488.2							
	085	00900	05.42	35.08	27.71		1487.7							
	085	01000	04.95	35.09	27.77		1487.4							
	085	01023	04.72	35.05	27.77		1486.8							
	085	01100	04.56	35.05	27.79		1487.5							
	085	01140	04.58	35.05	27.78		1488.2							
	085	01200	04.42	35.04	27.79		1488.5							
	085	01300	04.32	35.03	27.80		1489.8							
	085	01400	04.12	35.03	27.82		1490.6							
	085	01500	03.98	35.02	27.83		1491.7							

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REFID 31 8226 YEAR 1970 BOTOP 02926 AIR TEMP 19. OIR HGT PER WIND-OIR 08 INST STD RECORDER TEN SQ 1206  
 CONSEC 0060 MONTH 10 SHIP E1 WET BULB 19. SEA 27 WIND-SPO 08 TRACE OIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 20 DATA USE 1 BAROMETR 1041.3 SEA 4 WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 04 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E47 060 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P34	TOT P	ND2	ND3	SI03	PH
12.2	085	00000	23.19	36.06	24.70		1531.7							
	085	00010	23.19	36.11 Q	24.740									
	085	00020	23.22	36.10	24.72		1532.1							
	085	00030	23.22	36.10	24.72		1532.3							
	085	00040	23.30	36.22	24.79		1532.8							
	085	00050	22.84	36.15	24.87		1531.7							
	085	00075	19.19	36.18	25.89		1522.5							
	085	00100	16.99	36.11	26.39		1516.5							
	085	00105	16.57	36.10	26.48		1515.3							
	085	00110	16.74	36.28	26.58		1516.1							
	085	00125	16.67	36.26	26.58		1516.1							
	085	00150	16.14	36.20	26.65		1514.9							
	085	00175	15.34	36.06	26.73		1512.6							
	085	00200	15.04	36.02	26.77		1512.0							
	085	00250	14.29	35.88	26.82		1510.3							
	085	00300	13.61	35.77	26.88		1508.8							
	085	00400	12.45	35.60	26.99		1506.3							
	085	00500	10.91	35.42	27.14		1502.4							
	085	00600	08.64	35.15	27.31		1495.4							
	085	00700	06.71	35.05	27.52		1489.5							
	085	00714	06.78	35.10	27.55		1490.1							
	085	00800	05.70	35.08	27.67		1487.2							
	085	00825	05.56	35.07	27.66		1487.0							
	085	00900	05.62	35.13	27.72		1488.6							
	085	00960	04.92	35.05	27.75		1486.6							
	085	01000	04.83	35.04	27.75		1486.9							
	085	01100	04.53	35.04	27.78		1487.3							
	085	01200	04.32	35.03	27.80		1488.1							
	085	01210	04.26	35.02	27.80		1488.0							
	085	01300	04.22	35.02	27.80		1489.4							
	085	01400	04.04	35.01	27.81		1490.3							
	085	01495	03.96	35.00	27.81		1491.5							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04028 AIR TEMP 21. OIR MGT PER WIND-OIR 05 INST STO RECORDER TEN SQ 1206  
 CONSEC 0061 MONTH 10 SHIP E1 WET BULB 20. 11 3 5 WIND-SPO 07 TRACE OIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 20 OATA USE 1 BAROMETP 1012.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 18.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E47 061 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
18.0	085	00000	23.18	36.14	24.77		1531.7							
	085	00010	23.17	36.14	24.77		1531.9							
	085	00020	23.19	36.14	24.76		1532.1							
	085	00030	23.23	36.16	24.77		1532.4							
	085	00050	23.24	36.17	24.77		1532.7							
	085	00055	23.30	36.24	24.81		1533.0							
	085	00075	19.49	36.05	25.71		1523.2							
	085	00100	17.14	36.09	26.33		1516.9							
	085	00125	16.27	36.15	26.59		1514.8							
	085	00150	15.89	36.10	26.64		1514.0							
	085	00175	15.25	36.01	26.71		1512.3							
	085	00185	15.36	36.10	26.76		1512.9							
	085	00200	15.27	36.09	26.77		1512.5							
	085	00250	14.35	35.91	26.83		1510.5							
	085	00300	13.64	35.79	26.69		1508.9							
	085	00400	12.19	35.55	27.00		1505.4							
	085	00500	10.49	35.36	27.17		1500.8							
	085	00510	10.57	35.40	27.18		1501.3							
	085	00600	08.79	35.17	27.30		1496.0							
	085	00700	07.03	35.08	27.50		1490.8							
	085	00720	06.44	35.03	27.54		1488.7							
	085	00740	06.49	35.08	27.57		1489.3							
	085	00800	05.84	35.06	27.64		1487.7							
	085	00900	05.37	35.07	27.71		1487.5							
	085	01000	04.85	35.07	27.77		1487.0							
	085	01100	04.57	35.05	27.79		1487.5							
	085	01125	04.54	35.05	27.79		1487.8							
	085	01140	04.67	35.08	27.80		1488.6							
	085	01200	04.45	35.06	27.81		1488.7							
	085	01300	04.17	35.04	27.82		1488.2							
	085	01400	04.14	35.03	27.82		1490.7							
	085	01500	04.04	35.03	27.83		1492.0							

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REFID 31 8226 YEAR 1970 BOTOP 03475 AIR TEMP 21. OIR MGT PER WIND-OIR 02 INST STO RECORDER TEN SQ 1206  
 CONSEC 0062 MONTH 10 SHIP E1 WET BULB 20. 01 2 5 WIND-SPO 21 TRACE OIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 21 OATA USE 1 BAROMETR 1013.5 SEA WIND-FOR DURATION 00.7 2 SQUARE 48  
 LONG 048 01 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E47 062 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
00.0	085	00000	23.11	36.12	24.77		1531.5							
	085	00010	23.11	36.13	24.78		1531.7							
	085	00020	23.27	36.27	24.84		1532.4							
	085	00030	23.31	36.28	24.83		1532.7							
	085	00050	23.33	36.29	24.83		1533.1							
	085	00075	17.64	36.05	26.18		1517.9							
	085	00100	16.96	36.21	26.47		1516.5							
	085	00115	16.34	36.13	26.55		1514.8							
	085	00125	16.55	36.24	26.59		1515.7							
	085	00150	16.04	36.16	26.65		1514.5							
	085	00160	15.88	36.16	26.68		1514.2							
	085	00165	16.00	36.24	26.72		1514.7							
	085	00200	15.49	36.12	26.74		1513.6							
	085	00250	14.61	35.93	26.79		1511.4							
	085	00300	13.94	35.78	26.82		1509.9							
	085	00310	13.39	35.71	26.88		1508.1							
	085	00320	13.53	35.77	26.90		1508.8							
	085	00400	12.99	35.68	26.94		1508.2							
	085	00500	11.41	35.49	27.10		1504.2							
	085	00600	09.24	35.20	27.26		1497.7							
	085	00700	06.99	35.05	27.48		1490.6							
	085	00800	05.89	35.07	27.64		1487.9							
	085	00900	05.47	35.11	27.73		1487.9							
	085	00945	05.14	35.10	27.76		1487.7							
	085	01000	05.20	35.13	27.78		1488.5							
	085	01060	04.85	35.10	27.79		1488.1							
	085	01100	04.81	35.11	27.81		1488.6							
	085	01120	04.52	35.06	27.80		1487.6							
	085	01200	04.40	35.06	27.81		1488.5							
	085	01300	04.36	35.07	27.82		1490.0							
	085	01400	04.19	35.05	27.83		1490.9							
	085	01500	04.02	35.05	27.85		1491.9							

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TABLE XXVI.—Continued

REFID 31 8226 YEAR 1970 BOTOP 04480 AIR TEMP 21.0 DIR HGT PER WIND-DIR 35 INST STO RECORDER TEN SQ 1206  
 CONSEC 0063 MONTH 10 SHIP E1 WET RULB 19.01 WIND-SPO 27 WIND-SPE 0 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1012.5 SEA 4 WIND-FJR 00.4 2 SQUARE 48  
 LONG 048 00 W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E47 063 1 SQUARE 48

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	JXYG	P34	TCT P	N02	N03	S103	PH
06.2	OBS	0000	23.08	36.10	24.76		1531.4							
	OBS	0010	23.07	36.10	24.77		1531.6							
	OBS	0020	23.08	36.10	24.76		1531.8							
	OBS	0030	23.08	36.10	24.76		1531.9							
	OBS	0050	23.35	36.29	24.83		1533.1							
	OBS	0075	19.54	36.17	25.79		1523.5							
	OBS	00100	18.15	36.37	26.30		1520.2							
	OBS	00125	17.48	36.39	26.48		1518.7							
	OBS	00150	16.74	36.25	26.55		1516.7							
	OBS	00200	15.99	36.18	26.67		1515.2							
	OBS	00250	15.49	36.13	26.75		1514.4							
	OBS	00300	14.33	35.86	26.80		1511.2							
	OBS	00400	12.66	35.60	26.94		1507.0							
	OBS	00500	10.81	35.38	27.12		1502.0							
	OBS	00600		35.24										
	OBS	00700	06.86	35.07	27.51		1490.1							
	OBS	00800	05.88	35.08	27.65		1487.9							
	OBS	00819	05.65	35.10	27.70		1487.3							
	OBS	00870	05.59	35.13	27.73		1487.9							
	OBS	00900	05.66	35.16	27.74		1488.8							
	OBS	00923	05.68	35.16	27.74		1489.2							
	OBS	01000	05.06	35.11	27.78		1487.9							
	OBS	01055	04.85	35.10	27.79		1488.0							
	OBS	01100	04.95	35.14	27.81		1489.2							
	OBS	01200	04.58	35.11	27.83		1489.3							
	OBS	01300	04.41	35.10	27.84		1490.2							
	OBS	01400	04.24	35.07	27.84		1491.2							
	OBS	01500	04.05	35.07	27.86		1492.1							

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REFID 31 8246 YEAR 1970 BOTOP 03658 AIR TEMP 20.6 DIR HGT PER WIND-DIR 34 INST STO RECORDER TEN SQ 1206  
 CONSEC 0064 MONTH 10 SHIP E1 WFT RULB 17.43 WIND-SPE 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 21 DATA USE 1 BAROMETR 1014.4 SEA 4 WIND-FJR 00.5 2 SQUARE 48  
 LONG 048 04 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E47 064 1 SQUARE 48

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SNO VEL	JXYG	P34	TCT P	N02	N03	S103	PH
12.2	OBS	0000	23.02	36.12	24.80		1531.3							
	OBS	0010	23.01	36.11	24.79		1531.4							
	OBS	0020	23.01	36.12	24.80		1531.6							
	OBS	0030	23.01	36.17	24.84		1531.8							
	OBS	0050	20.98	36.05	25.32		1526.8							
	OBS	0075	18.51	36.28	26.14		1520.7							
	OBS	00100	17.27	36.15	26.35		1517.4							
	OBS	00125	16.76	36.24	26.54		1516.4							
	OBS	00150	16.28	36.14	26.56		1515.2							
	OBS	00200	15.71	36.09	26.67		1514.2							
	OBS	00250	14.88	35.97	26.76		1512.3							
	OBS	00300	14.17	35.82	26.80		1510.7							
	OBS	00400	12.41	35.54	26.95		1506.1							
	OBS	00416	12.50	35.59	26.97		1506.7							
	OBS	00500	10.86	35.38	27.12		1502.2							
	OBS	00600	09.23	35.25	27.30		1497.7							
	OBS	00700	06.63	35.05	27.53		1489.2							
	OBS	00715	06.80	35.10	27.55		1490.2							
	OBS	00800	05.94	35.07	27.64		1488.1							
	OBS	00830	05.90	35.12	27.68		1488.5							
	OBS	00900	05.39	35.09	27.72		1487.6							
	OBS	01000	05.07	35.11	27.76		1488.0							
	OBS	01020	04.78	35.07	27.78		1487.1							
	OBS	01070	04.93	35.12	27.80		1488.6							
	OBS	01100	04.75	35.11	27.81		1488.3							
	OBS	01120	04.91	35.13	27.81		1489.3							
	OBS	01130	04.65											
	OBS	01150	04.78	35.12	27.82		1489.3							
	OBS	01200	04.52	35.08	27.81		1489.0							
	OBS	01300	04.35	35.07	27.83		1490.0							
	OBS	01400	04.12	35.05	27.83		1490.7							
	OBS	01420	04.17	35.05	27.83		1491.2							
	OBS	01500	04.00	35.05	27.85		1491.8							

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TABLE XXVII.—Observed and interpolated oceanographic data for stations taken by USCGC OWASCO at Ocean Station ECHO, 22 October 1970 - 14 November 1970, prepared from NODC listing No. 31 - 8223.

REFID	31	8223	YEAR	1970	BOTOP	03600	AIR TEMP	21.	DIR HGT PER	WIND-DIR	33	INST STO RECORDER	TEN SQ	1206
CONSEC		0001	MONTH	10	SHIP OW		WET BULB	19.	36 3 4	WIND-SFD	10	TRACE DIR	0	5 SQUARE 4
LAT	35	01	N	DAY	26	DATA USE	1	BAROMTR	1009.9	SEA		DURATION	00.7	2 SQUARE 46
LONG	047	56	W	HOUR	11.5	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
11.5	OBS	00000	22.72											
	OBS	00010	22.73											
	OBS	00020	22.73											
	OBS	00030	22.73											
	OBS	00050	22.70											
	OBS	00075	20.03											
	OBS	00100	19.15											
	OBS	00125	18.36											
	OBS	00150	17.66											
	OBS	00200	17.11											
	OBS	00250	16.80											
	OBS	00300	16.38											
	OBS	00400	14.90											
	OBS	00500	13.14											
	OBS	00600	10.82											
	OBS	00700	08.29											
	OBS	00800	06.64											
	OBS	00900	05.80											
	OBS	01000	05.21											
	OBS	01100	04.85											
	OBS	01200	04.50											
	OBS	01300	04.34											
	OBS	01400	04.22											
	OBS	01500	04.05											
	OBS	01750	03.80											
	OBS	02000	03.62											
	OBS	02500	03.22											
	OBS	03000	02.76											

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REFID	31	8223	YEAR	1970	BOTOP	02350	AIR TEMP	22.	DIR HGT PER	WIND-DIR	25	INST STO RECORDER	TEN SQ	1206
CONSEC		0002	MONTH	10	SHIP OW		WET BULB	19.	36 3	WIND-SFD	17	TRACE DIR	0	5 SQUARE 4
LAT	35	01	N	DAY	26	DATA USE	1	BAROMTR	1009.8	SEA		DURATION	00.3	2 SQUARE 46
LONG	047	57	W	HOUR	23.7	AREA	05	CLOUD T/A		CL/TR		WEATHER	X1	1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	S103	PH
23.7	OBS	00000	22.51											
	OBS	00010	22.51											
	OBS	00020	22.51											
	OBS	00030	22.51											
	OBS	00050	22.55											
	OBS	00075	21.75											
	OBS	00100	18.85											
	OBS	00125	18.18											
	OBS	00150	17.93											
	OBS	00200	17.40											
	OBS	00250	17.00											
	OBS	00300	16.40											
	OBS	00400	14.60											
	OBS	00500	12.65											
	OBS	00600	10.10											
	OBS	00700	08.00											
	OBS	00800	06.24											
	OBS	00620	06.44											
	OBS	00840	05.99											
	OBS	00880	05.94											
	OBS	00900	05.97											
	OBS	01000	05.17											
	OBS	01100	04.86											
	OBS	01200	04.62											
	OBS	01300	04.41											
	OBS	01400	04.25											
	OBS	01500	04.07											

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTDP 03780 AIR TEMP 21. DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 10 SHIP DW WET BULR 19. 30 2 3 WIND-SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 27 DATA USE 1 BAROMETR 1009.9 SEA WIND-FGF 00.8 2 SQUARE 48  
 LONG 048 05 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X5 DRIG E48 003 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	ND2	ND3	SD3	PH
11.5	DBS	00000	22.92											
	DBS	00010	22.94											
	DBS	00020	22.94											
	DBS	00030	22.90											
	DBS	00050	21.65											
	DBS	00075	20.45											
	DBS	00100	19.18											
	DBS	00125	18.30											
	DBS	00150	17.97											
	DBS	00200	17.67											
	DBS	00250	17.31											
	DBS	00300	17.03											
	DBS	00400	15.77											
	DBS	00500	13.74											
	DBS	00600	11.07											
	DBS	00700	08.29											
	DBS	00800	06.82											
	DBS	00900	05.99											
	DBS	00920	06.19											
	DBS	00940	05.91											
	DBS	01000	05.37											
	DBS	01020	05.55											
	DBS	01100	5.35											
	DBS	01200	04.93											
	DBS	01300	04.39											
	DBS	01400	04.17											
	DBS	01500	04.05											
	DBS	01750	03.80											
	DBS	02000	03.63											
	DBS	02500	03.18											
	DBS	03000	02.75											

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REFID 31 8223 YEAR 1970 BOTDP 03930 AIR TEMP 24. DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 10 SHIP DW WET BULR 21. 30 2 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 37 N DAY 28 DATA USE 1 BAROMETR 1004.7 SEA WIND-FGF 00.4 2 SQUARE 46  
 LONG 047 57 W HOUR 13.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E48 004 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	ND2	ND3	SD3	PH
13.6	DBS	00000	22.36											
	DBS	00010	22.36											
	DBS	00020	22.36											
	DBS	00030	22.37											
	DBS	00050	22.38											
	DBS	00075	20.70											
	DBS	00100	18.70											
	DBS	00125	17.90											
	DBS	00150	17.70											
	DBS	00200	17.35											
	DBS	00250	17.10											
	DBS	00300	17.00											
	DBS	00400	15.40											
	DBS	00500	13.24											
	DBS	00600	10.99											
	DBS	00700	08.74											
	DBS	00800	07.12											
	DBS	00840	06.76											
	DBS	00875	07.02											
	DBS	00895	06.35											
	DBS	00900	06.45											
	DBS	01000	05.49											
	DBS	01100	05.04											
	DBS	01200	04.58											
	DBS	01300	04.32											
	DBS	01400	04.36											
	DBS	01500	04.24											
	DBS	01750	03.81											
	DBS	02000	03.65											
	DBS	02500	03.17											
	DBS	03000	02.73											

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BTOP 03605	AIR TEMP 16.	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 10	SHIP DW	WET BULB 16.	05 3 4	WIND-SPD 08	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 29	DATA USE 1	BAROMETR 1010.3	SEA	WIND-FDR	DURATION 00.6	2 SQUARE 46
LONG 047 59 W	HOUR 23.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG E48 005	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	JXYG	P34	TOT P	N02	N03	S103	PH
23.5	DBS	00000	22.26											
	DBS	00010	22.27											
	DBS	00020	22.32											
	DBS	00030	22.35											
	DBS	00050	22.37											
	DBS	00075	20.87											
	DBS	00100	19.25											
	DBS	00125	18.26											
	DBS	00150	17.75											
	DBS	00200	17.30											
	DBS	00250	17.14											
	DBS	00300	16.98											
	DBS	00400	16.00											
	DBS	00500	13.87											
	DBS	00600	11.30											
	DBS	00700	08.61											
	DBS	00800	06.99											
	DBS	00900	06.31											
	DBS	00920	06.02											
	DBS	00935	06.35											
	DBS	00960	05.85											
	DBS	00980	05.89											
	DBS	01000	05.54											
	DBS	01100	05.05											
	DBS	01200	04.78											
	DBS	01300	04.51											
	DBS	01400	04.23											
	DBS	01500	04.10											

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REFID 31 8223	YEAR 1970	BTOP 03900	AIR TEMP 17.	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 10	SHIP DW	WET BULB 16.	05 2 4	WIND-SPD 12	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 30	DATA USE 1	BAROMETR 1007.1	SEA	WIND-FDR	DURATION 00.9	2 SQUARE 46
LONG 047 52 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 006	1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
11.8	DBS	00000	22.46											
	DBS	00010	22.46											
	DBS	00020	22.46											
	DBS	00030	22.41											
	DBS	00050	22.38											
	DBS	00075	20.86											
	DBS	00100	18.72											
	DBS	00125	18.18											
	DBS	00150	17.85											
	DBS	00200	17.41											
	DBS	00250	17.14											
	DBS	00300	17.04											
	DBS	00400	16.00											
	DBS	00500	13.70											
	DBS	00600	11.15											
	DBS	00700	08.90											
	DBS	00800	07.00											
	DBS	00900	06.03											
	DBS	00920	05.86											
	DBS	00940	05.93											
	DBS	01000	05.50											
	DBS	01100	05.05											
	DBS	01200	04.89											
	DBS	01300	04.67											
	DBS	01400	04.34											
	DBS	01500	04.09											
	DBS	01750	03.82											
	DBS	02000	03.69											
	DBS	02500	03.24											
	DBS	03000	02.77											

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTOP 03900 AIR TEMP 17. DIR HGT PER WIND-DIR 31 INST STO RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 10 SHIP OW WET BULB 17. WIND-SPD 21 TRACE OIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 30 DATA USE 1 BAROMETR 1007.2 SEA WIND-FOR 41ND-FOR 00.6 2 SQUARE 46  
 LONG 047 55 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E48 007 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
23.7	0BS	00000	22.08											
	0BS	00010	22.08											
	0BS	00020	22.08											
	0BS	00030	22.08											
	0BS	00050	20.16											
	0BS	00075	19.31											
	0BS	00100	18.47											
	0BS	00125	18.01											
	0BS	00150	17.85											
	0BS	00200	17.57											
	0BS	00250	17.25											
	0BS	00300	17.06											
	0BS	00400	15.91											
	0BS	00500	13.90											
	0BS	00600	11.68											
	0BS	00700	09.40											
	0BS	00800	07.30											
	0BS	00900	06.34											
	0BS	00940	06.19											
	0BS	00960	06.34											
	0BS	01000	05.89											
	0BS	01100	05.21											
	0BS	01200	04.89											
	0BS	01290	04.63											
	0BS	01300	04.74											
	0BS	01400	04.53											
	0BS	01500	04.31											

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REFID 31 8223 YEAR 1970 BOTOP 03950 AIR TEMP 19. DIP HGT PER WIND-DIR 30 INST STO RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 10 SHIP OW WET BULB 16. 32 1 3 WIND-SPD 12 TRACE OIR 0 5 SQUARE 2  
 LAT 34 49 N DAY 31 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR 41ND-FOR 00.8 2 SQUARE 46  
 LONG 047 34 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E48 008 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.7	0BS	00000	21.64											
	0BS	00010	21.64											
	0BS	00020	21.67											
	0BS	00030	21.80											
	0BS	00040	21.92											
	0BS	00050	21.62											
	0BS	00075	19.67											
	0BS	00100	18.42											
	0BS	00125	17.77											
	0BS	00150	17.65											
	0BS	00200	17.32											
	0BS	00250	17.04											
	0BS	00300	16.61											
	0BS	00400	15.01											
	0BS	00500	13.12											
	0BS	00600	11.41											
	0BS	00700	08.96											
	0BS	00800	07.55											
	0BS	00860	06.76											
	0BS	00895	07.14											
	0BS	00900	07.00											
	0BS	01000	35.90											
	0BS	01100	05.43											
	0BS	01200	04.79											
	0BS	01300	04.73											
	0BS	01400	04.45											
	0BS	01500	04.25											
	0BS	01750	03.99											
	0BS	02000	03.67											
	0BS	02500	03.23											
	0BS	03000	02.80											

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TABLE XXVII.—Continued

REF ID	31	B223	YEAR	1970	9CTOP	04100	AIR TEMP	18.	OIR HGT PER	WIND-OIR	25	INST STD RECORDER	TEN SQ	1206			
CONSEC		0009	MONTH	10	SHIP OW		WET BULB	18.	30	3	WIND-SPO	03	TRACE OIR	0	5 SQUARE	2	
LAT	34	56	N	DAY	31	DATA USE	1	BAROMFTH	1009.5	SEA		WIND-FOR	DURATION	00.5	2 SQUARE	46	
LONG	047	57	W	HOUR	23.6	AREA	05	CLCUO T/4		CL/TR		WEATHER	X6	ORIG E48	009	1 SQUARE	47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S133	PH
23.6	OBS	00000	22.27											
	OBS	00010	22.26											
	OBS	00020	22.09											
	OBS	00030	22.16											
	OBS	00050	22.22											
	OBS	00075	19.57											
	OBS	00100	18.52											
	OBS	00125	17.86											
	OBS	00150	17.55											
	OBS	00200	17.15											
	OBS	00250	16.97											
	OBS	00300	16.16											
	OBS	00400	15.00											
	OBS	00500	13.36											
	OBS	00600	11.05											
	OBS	00700	08.58											
	OBS	00800	06.89											
	OBS	00900	06.30											
	OBS	00935	06.32											
	OBS	01000	05.97											
	OBS	01100	05.01											
	OBS	01200	04.53											
	OBS	01300	04.49											
	OBS	01400	04.31											
	OBS	01500	04.16											

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REF ID	31	B223	YEAR	1970	BOTOP	04300	AIR TEMP	18.	OIR HGT PER	WIND-OIR	09	INST STD RECORDER	TEN SQ	1206			
CONSEC		0010	MONTH	11	SHIP OW		WET BULB	15.	32	2	4	WIND-SPO	15	TRACE OIR	0	5 SQUARE	4
LAT	35	00	N	DAY	01	DATA USE	1	BAROMETR	1011.5	SEA		WIND-FOR	DURATION	00.7	2 SQUARE	46	
LONG	047	00	W	HOUR	12.1	AREA	05	CLOUD T/A		CL/TR		WEATHER	X8	ORIG E48	010	1 SQUARE	57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	S133	PH
12.1	OBS	00000	21.92											
	OBS	00010	22.00											
	OBS	00020	22.12											
	OBS	00030	22.15											
	OBS	00050	22.12											
	OBS	00075	19.52											
	OBS	00100	18.02											
	OBS	00125	17.17											
	OBS	00150	17.37											
	OBS	00200	17.10											
	OBS	00250	16.72											
	OBS	00300	16.24											
	OBS	00400	14.50											
	OBS	00500	13.36											
	OBS	00600	11.11											
	OBS	00700	08.79											
	OBS	00800	06.81											
	OBS	00900	06.25											
	OBS	00950	06.31											
	OBS	01000	05.75											
	OBS	01100	04.95											
	OBS	01200	04.66											
	OBS	01300	04.42											
	OBS	01400	04.34											
	OBS	01500	04.14											
	OBS	01750	03.91											
	OBS	02000	03.63											
	OBS	02500	03.18											
	OBS	03000	02.76											

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TABLE XXVII.--Continued

REFID 31 8223 YEAR 1970 BOTOP 04600 AIR TEMP 18. OIR HGT PER WIND-OIR 01 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 11 SHIP OW WFT BULB 16. 03 2 3 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 03 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 55 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG F48 011 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S133	PH
12.2	OBS	00000	20.79											
	OBS	00010	20.79											
	OBS	00020	20.80											
	OBS	00030	20.80											
	OBS	00050	20.80											
	OBS	00075	18.52											
	OBS	00100	17.82											
	OBS	00125	17.15											
	OBS	00150	17.06											
	OBS	00200	16.99											
	OBS	00250	16.70											
	OBS	00300	16.31											
	OBS	00400	14.75											
	OBS	00500	13.10											
	OBS	00600	11.26											
	OBS	00700	08.74											
	OBS	00800	07.36											
	OBS	00875	06.63											
	OBS	00950	06.90											
	OBS	00900	06.41											
	OBS	01000	05.90											
	OBS	01100	05.31											
	OBS	01200	04.91											
	OBS	01300	04.40											
	OBS	01400	04.40											
	OBS	01500	04.21											
	OBS	01750	03.92											
	OBS	02000	03.65											
	OBS	02500	03.21											
	OBS	03000	02.74											

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REFID 31 8223 YEAR 1970 BOTOP 04920 AIR TEMP 18. OIR HGT PER WIND-OIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 11 SHIP OW WFT BULB 14. 03 1 4 WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 03 DATA USE 1 BAROMETR 1020.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 23.4 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG F48 012 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S133	PH
23.4	OBS	00000	21.27											
	OBS	00010	21.29											
	OBS	00020	21.29											
	OBS	00030	21.29											
	OBS	00050	21.17											
	OBS	00075	19.57											
	OBS	00100	18.52											
	OBS	00125	18.19											
	OBS	00150	17.69											
	OBS	00200	17.35											
	OBS	00250	17.08											
	OBS	00300	16.82											
	OBS	00400	15.26											
	OBS	00500	13.31											
	OBS	00600	11.37											
	OBS	00700	09.34											
	OBS	00800	07.60											
	OBS	00900	06.55											
	OBS	00925	06.45											
	OBS	00950	06.50											
	OBS	01000	05.55											
	OBS	01100	05.16											
	OBS	01200	04.83											
	OBS	01300	04.59											
	OBS	01400	04.38											
	OBS	01500	04.24											

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTDP 04840 AIR TEMP 19. DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 11 SHIP OW WET BULB 17. 02 3 WIND-SPD 05 TRACE DIR D 5 SQUARE 2  
 LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1020.1 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 23.6 AREA 05 CLOUD T/4 CL/TR WEATHER X1 DRIG E48 013 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TGT P	ND2	ND3	SD3	PH
23.6	08S	00000	20.80	36.33	25.58		1525.8							
	08S	00010	20.80	36.34	25.56		1526.0							
	08S	00020	20.80	36.34	25.56		1526.2							
	08S	00030	20.81	36.34	25.58		1526.4							
	08S	00050	20.77	36.35	25.60		1526.7							
	08S	00075	18.75	36.50	26.25		1521.7							
	08S	00100	18.24	36.50	26.28		1522.6							
	08S	00125	17.71	36.50	26.51		1519.5							
	08S	00150	17.55	36.47	26.53		1519.4							
	08S	00200	17.23	36.44	26.58		1519.2							
	08S	00250	16.93	36.41	26.63		1519.1							
	08S	00300	16.47	36.31	26.66		1518.5							
	08S	00400	14.90	36.00	26.76		1514.9							
	08S	00500	13.38	35.80	26.95		1511.3							
	08S	00600	11.71	35.55	27.09		1507.0							
	08S	00700	09.66	35.33	27.25		1501.1							
	08S	00800	07.92	35.18	27.45		1496.0							
	08S	00900	06.52	35.16	27.63		1492.2							
	08S	00955	05.86	35.14	27.70		1490.5							
	08S	00975	05.98	35.20	27.73		1491.4							
	08S	01000	05.64	35.14	27.73		1490.3							
	08S	01100	05.05	35.11	27.78		1487.6							
	08S	01200	04.87	35.13	27.81		1490.5							
	08S	01300	04.61	35.13	27.84		1491.1							
	08S	01400	04.45	35.13	27.87		1492.1							
	08S	01500	04.31	35.12	27.87		1493.2							

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REFID 31 8223 YEAR 1970 BOTDP 04870 AIR TEMP 22. DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 11 SHIP OW WET BULB 19. 30 1 W WIND-SPD 03 TRACE DIR D 5 SQUARE 2  
 LAT 34 55 N DAY 05 DATA USE 1 BAROMETR 1022.5 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 11.5 AREA 05 CLOUD T/4 CL/TR WEATHER X1 DRIG E48 014 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TGT P	ND2	ND3	SD3	PH
11.5	08S	00000	20.86	36.38	25.60		1526.1							
	08S	00010	20.85	36.38	25.60		1526.2							
	08S	00020	20.85	36.38	25.60		1526.4							
	08S	00030	20.84	36.39	25.61		1526.5							
	08S	00050	20.76	36.37	25.62		1526.6							
	08S	00075	18.38	36.37	26.24		1520.5							
	08S	00100	17.61	36.44	26.49		1518.7							
	08S	00125	17.29	36.43	26.56		1518.2							
	08S	00150	17.15	36.42	26.58		1518.2							
	08S	00200	16.99	36.41	26.62		1518.5							
	08S	00250	16.62	36.34	26.65		1518.1							
	08S	00300	16.10	36.23	26.69		1517.2							
	08S	00400	14.80	36.00	26.80		1514.5							
	08S	00500	13.27	35.78	26.96		1510.9							
	08S	00600	11.26	35.47	27.11		1505.3							
	08S	00700	09.31	35.31	27.33		1499.8							
	08S	00800	08.00	35.32	27.54		1496.5							
	08S	00900	06.55	35.18	27.64		1492.3							
	08S	01000	05.90	35.19	27.74		1491.4							
	08S	01080	05.11	35.12	27.78		1489.5							
	08S	01100	05.19	35.14	27.78		1490.2							
	08S	01200	04.91	35.14	27.82		1490.7							
	08S	01300	04.48	35.10	27.84		1490.5							
	08S	01400	04.15	35.08	27.86		1490.8							
	08S	01500	04.04	35.09	27.87		1492.1							
	08S	01750	03.87	35.11	27.91		1495.6							
	08S	02000	03.72	35.11	27.92		1499.2							
	08S	02500	03.21	35.10	27.97		1505.6							
	08S	03000	02.72	35.05	28.00		1512.1							

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTOP 04200 AIR TEMP 20. DIR HGT PER WIND-DIR 25 INST STD RECORPER TEN SQ 1206  
 CONSEC 0015 MONTH 11 SHIP 3W WET BULB 25 2 4 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR 00.3 2 SQUARE 46  
 LONG 047 49 W HOUR 23.5 AREA 05 CLCUD T/3 CL/TR WEATHER X1 DURATION 00.3 1 SQUARE 47  
 ORIG E48 015

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
23.5	7RS	00000	20.93											
	7RS	00010	20.94											
	7RS	00020	20.94											
	7RS	00030	20.95											
	7RS	00050	18.68											
	7RS	00075	17.58											
	7RS	00100	17.36											
	7RS	00125	17.23											
	7RS	00150	17.07											
	7RS	00200	16.85											
	7RS	00250	16.56											
	7RS	00300	16.13											
	7RS	00400	14.95											
	7RS	00500	13.86											
	7RS	00600	12.26											
	7RS	00700	10.35											
	7RS	00800	07.94											
	7RS	00900	06.35											
	7RS	00920	06.70											
	7RS	00950	06.84											
	7RS	01000	05.68											
	7RS	01040	05.49											
	7RS	01050	05.61											
	7RS	01100	05.36											
	7RS	01160	04.85											
	7RS	01180	04.91											
	7RS	01200	04.88											
	7RS	01300	04.63											
	7RS	01400	04.35											
	7RS	01500	04.16											

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REFID 31 8223 YEAR 1970 BOTOP 03100 AIR TEMP 22. DIR HGT PER WIND-DIR 13 INST STD RECORPER TEN SQ 1206  
 CONSEC 0016 MONTH 11 SHIP 0W WET BULB 19. 28 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR 00.6 2 SQUARE 48  
 LONG 048 02 W HOUR 11.6 AREA 05 CLCUD T/3 CL/TR WEATHER X1 DURATION 00.6 1 SQUARE 48  
 ORIG E48 016

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
11.6	7RS	00000	21.05											
	7RS	00010	21.05											
	7RS	00020	21.06											
	7RS	00030	21.03											
	7RS	00050	18.63											
	7RS	00075	17.86											
	7RS	00100	17.48											
	7RS	00125	17.23											
	7RS	00150	17.12											
	7RS	00200	17.00											
	7RS	00250	16.55											
	7RS	00300	16.06											
	7RS	00400	14.76											
	7RS	00500	13.46											
	7RS	00600	11.57											
	7RS	00700	09.91											
	7RS	00800	07.66											
	7RS	00900	06.69											
	7RS	00910	06.52											
	7RS	00920	06.79											
	7RS	01000	06.04											
	7RS	01100	05.49											
	7RS	01200	04.97											
	7RS	01300	04.60											
	7RS	01380	04.39											
	7RS	01400	04.51											
	7RS	01500	04.31											
	7RS	01750	03.91											
	7RS	02000	03.72											
	7RS	02500	02.31											
	7RS	02700	02.15											

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTOP 04400 AIR TEMP 25.0 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SO 1206  
 CONSEC 0017 MONTH 11 SHIP OW WET BULB 22.0 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 07 DATA USE 1 BAROMETR 1023.2 SEA WIND-FDR DURATION 00.6 2 SQUARE 46  
 LONG 047 57 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E48 017 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	JXYG	P34	TOT P	N02	N03	S103	PH
12.1	OBS	00000	20.87	36.50	25.69		1526.2							
	OBS	00010	20.87	36.50	25.69		1526.4							
	OBS	00020	20.87	36.50	25.69		1526.6							
	OBS	00030	20.87	36.51	25.70		1526.7							
	OBS	00050	18.04	36.48	26.41		1519.2							
	OBS	00075	17.62	36.45	26.49		1518.4							
	OBS	00100	17.32	36.44	26.56		1517.9							
	OBS	00125	17.20	36.43	26.58		1517.9							
	OBS	00150	17.11	36.43	26.60		1513.1							
	OBS	00200	17.01	36.42	26.62		1518.6							
	OBS	00250	16.67	36.36	26.65		1518.3							
	OBS	00300	16.20	36.26	26.69		1517.6							
	OBS	00400	14.91	36.03	26.80		1514.9							
	OBS	00500	13.74	35.88	26.94		1512.6							
	OBS	00600	12.40	35.69	27.06		1509.6							
	OBS	00700	10.07	35.39	27.26		1502.6							
	OBS	00800	08.49	35.26	27.42		1498.3							
	OBS	00900	07.03	35.21	27.60		1494.3							
	OBS	01000	05.93	35.18	27.72		1491.5							
	OBS	01100	05.37	35.15	27.77		1490.9							
	OBS	01200	04.93	35.14	27.82		1490.8							
	OBS	01300	04.68	35.13	27.84		1491.4							
	OBS	01400	04.38	35.11	27.85		1491.8							
	OBS	01500	04.24	35.12	27.88		1492.9							
	OBS	01750	03.92	35.10	27.90		1495.8							
	OBS	02000	03.73	35.10	27.92		1499.2							
	OBS	02500	03.26	35.10	27.96		1505.8							
	OBS	03000	02.85	35.09	27.99		1512.6							

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REFID 31 8223 YEAR 1970 BOTOP 05700 AIR TEMP 21.0 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SO 1206  
 CONSEC 0018 MONTH 11 SHIP OW WET BULB 19.0 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08 N DAY 08 DATA USE 1 BAROMETR 1022.6 SEA WIND-FDR DURATION 00.3 2 SQUARE 46  
 LONG 047 54 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E48 018 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	JXYG	P34	TOT P	N02	N03	S103	PH
00.0	OBS	00000	20.89	36.50	25.68		1526.3							
	OBS	00010	20.89	36.50	25.68		1526.4							
	OBS	00020	20.89	36.50	25.68		1526.6							
	OBS	00030	20.86	36.51	25.70		1526.7							
	OBS	00050	18.52	36.37	26.21		1520.4							
	OBS	00075	17.62	36.47	26.51		1518.4							
	OBS	00100	17.26	36.43	26.57		1517.7							
	OBS	00125	17.16	36.41	26.57		1517.8							
	OBS	00150	17.06	36.43	26.61		1517.9							
	OBS	00200	16.96	36.42	26.63		1518.4							
	OBS	00250	16.56	36.34	26.66		1517.9							
	OBS	00300	16.10	36.26	26.71		1517.3							
	OBS	00400	15.26	36.10	26.78		1516.1							
	OBS	00500	14.06	35.91	26.84		1513.7							
	OBS	00600	12.55	35.67	27.02		1510.0							
	OBS	00675	11.03	35.45	27.14		1505.7							
	OBS	00680	11.13	35.49	27.15		1506.2							
	OBS	00700	10.81	35.45	27.18		1505.4							
	OBS	00755	09.64	35.35	27.31		1501.9							
	OBS	00760	09.73	35.40	27.33		1502.4							
	OBS	00800	08.75	35.26	27.38		1499.3							
	OBS	00880	07.47	35.24	27.56		1495.7							
	OBS	00900	07.60	35.30	27.59		1496.6							
	OBS	00990	06.62	35.20	27.65		1494.1							
	OBS	01000	06.74	35.25	27.67		1494.9							
	OBS	01100	05.59	35.16	27.75		1491.8							
	OBS	01200	05.11	35.16	27.81		1491.5							
	OBS	01300	04.81	35.15	27.84		1492.0							
	OBS	01400	04.61	35.15	27.86		1492.8							
	OBS	01500	04.43	35.15	27.88		1493.8							

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTOP 04820 AIR TEMP 21. DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 11 SHIP DW WET BULB 21. 28 2 4 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 08 DATA USE 1 BAROMETR 1019.7 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 02 W HOUR 23.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E48 019 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
23.4	OBS	00000	21.00	36.48	25.64		1526.5							
	OBS	00010	20.98	36.49	25.65		1526.7							
	OBS	00020	20.98	36.50	25.66		1526.8							
	OBS	00030	20.99	36.51	25.66		1527.0							
	OBS	00050	18.34	36.45	26.31		1520.0							
	OBS	00075	17.77	36.46	26.46		1518.8							
	OBS	00100	17.36	36.43	26.54		1518.0							
	OBS	00125	17.21	36.42	26.57		1517.9							
	OBS	00150	17.15	36.41	26.58		1518.2							
	OBS	00200	17.00	36.41	26.61		1518.5							
	OBS	00250	16.81	36.37	26.63		1518.7							
	OBS	00300	16.36	36.28	26.67		1518.1							
	OBS	00400	15.25	36.10	26.78		1516.1							
	OBS	00500	13.76	35.86	26.92		1512.7							
	OBS	00600	12.36	35.63	27.03		1509.3							
	OBS	00700	10.16	35.35	27.22		1502.9							
	OBS	00800	08.12	35.22	27.45		1496.8							
	OBS	00860	07.41	35.21	27.55		1495.1							
	OBS	00865	07.53	35.25	27.56		1495.7							
	OBS	00870	07.45	35.25	27.57		1495.5							
	OBS	00880	07.55	35.26	27.56		1496.0							
	OBS	00900	06.95	35.19	27.60		1493.9							
	OBS	01000	06.28	35.23	27.72		1493.0							
	OBS	01100	05.41	35.15	27.77		1491.1							
	OBS	01200	05.13	35.15	27.80		1491.6							
	OBS	01280	04.76	35.14	27.84		1491.4							
	OBS	01300	04.86	35.16	27.84		1492.2							
	OBS	01400	04.62	35.15	27.86		1492.9							
	OBS	01500	04.29	35.12	27.87		1493.1							

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REFID 31 8223 YEAR 1970 BOTOP 04550 AIR TEMP 21. DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0020 MONTH 11 SHIP DW WET BULB 21. 27 1 3 WIND-SPD 07 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 09 DATA USE 1 BAROMETR 1018.1 SEA WIND-FDR DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HOUR 12.6 AREA 05 CLOUD T/A CL/TR WEATHER X8 CRIG E48 020 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.6	OBS	00000	21.12	36.52	25.64		1526.9							
	OBS	00010	21.12	36.53	25.64		1527.1							
	OBS	00020	21.12	36.53	25.64		1527.2							
	OBS	00030	21.10	36.53	25.65		1527.4							
	OBS	00050	18.77	36.44	26.20		1521.2							
	OBS	00075	17.67	36.45	26.48		1513.5							
	OBS	00100	17.37	36.44	26.55		1518.0							
	OBS	00125	17.22	36.43	26.58		1518.0							
	OBS	00150	17.17	36.43	26.59		1518.2							
	OBS	00200	17.08	36.42	26.60		1518.8							
	OBS	00250	16.91	36.39	26.62		1519.1							
	OBS	00300	16.55	36.31	26.64		1518.7							
	OBS	00400	15.30	36.06	26.74		1516.2							
	OBS	00500	13.99	35.91	26.91		1513.5							
	OBS	00600	12.41	35.63	27.02		1509.5							
	OBS	00700	10.32	35.37	27.20		1503.5							
	OBS	00800	08.78	35.31	27.42		1499.4							
	OBS	00900	07.26	35.26	27.61		1495.2							
	OBS	00905	07.53	35.32	27.61		1496.4							
	OBS	00920	07.29	35.32	27.65		1495.8							
	OBS	01000	06.18	35.18	27.69		1492.5							
	OBS	01100	05.50	35.17	27.77		1491.5							
	OBS	01200	04.96	35.14	27.81		1490.9							
	OBS	01300	04.64	35.13	27.84		1491.2							
	OBS	01400	04.37	35.11	27.86		1491.8							
	OBS	01500	04.22	35.11	27.87		1492.8							
	OBS	01750	03.96	35.10	27.84		1495.9							
	OBS	02000	03.73	35.10	27.92		1499.2							
	OBS	02500	03.27	35.10	27.96		1505.8							
	OBS	03000	02.85	35.09	27.99		1512.6							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTOP 03830	AIR TEMP 21.	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1206
CONSEC 0021	MONTH 11	SHIP OW	WET BULB 21.	17 0 2	WIND-SPO 11	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 09	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 58 W	HOUP 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E48 021	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
23.6	08S	00000	21.09	36.52	25.64		1526.8							
	08S	00010	21.06	36.53	25.66		1526.9							
	08S	00020	21.06	36.53	25.66		1527.1							
	08S	00030	21.06	36.53	25.66		1527.3							
	08S	00050	20.76	36.45	25.68		1526.7							
	08S	00075	18.10	36.47	26.35		1519.8							
	08S	00100	17.56	36.44	26.50		1518.6							
	08S	00125	17.39	36.45	26.55		1518.5							
	08S	00150	17.22	36.43	26.58		1518.4							
	08S	00200	17.12	36.43	26.60		1518.9							
	08S	00250	16.96	36.40	26.62		1519.2							
	08S	00300	16.58	36.32	26.64		1518.8							
	08S	00400	15.25	36.09	26.77		1516.1							
	08S	00500	13.87	35.90	26.93		1513.1							
	08S	00600	12.46	35.64	27.01		1509.7							
	08S	00700	10.29	35.39	27.22		1503.4							
	08S	00800	08.68	35.27	27.40		1499.0							
	08S	00900	07.25	35.23	27.58		1495.2							
	08S	00920	07.56	35.32	27.61		1496.8							
	08S	00930	07.30	35.30	27.63		1495.9							
	08S	01000	06.30	35.17	27.67		1493.0							
	08S	01100	05.65	35.17	27.75		1492.1							
	08S	01200	04.99	35.12	27.79		1491.0							
	08S	01300	04.72	35.13	27.83		1491.6							
	08S	01400	04.55	35.14	27.86		1492.6							
	08S	01500	04.29	35.17	27.87		1493.1							

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REFID 31 8223	YEAR 1970	BOTOP 04690	AIR TEMP 21.	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0022	MONTH 11	SHIP OW	WET BULB 20.	15 2 3	WIND-SPO 04	TRACE DIR 0	5 SQUARE 4
LAT 35 02 N	DAY 10	DATA USE 1	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 047 58 W	HOUP 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E48 022	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	21.14	36.52	25.63		1527.0							
	08S	00010	21.14	36.53	25.64		1527.1							
	08S	00020	21.13	36.53	25.64		1527.3							
	08S	00030	21.09	36.54	25.66		1527.3							
	08S	00050	19.41	36.41	26.01		1523.0							
	08S	00075	17.71	36.43	26.46		1518.6							
	08S	00100	17.46	36.44	26.52		1518.3							
	08S	00125	17.26	36.43	26.57		1518.1							
	08S	00150	17.13	36.42	26.59		1518.1							
	08S	00200	17.04	36.42	26.61		1518.7							
	08S	00250	16.76	36.36	26.63		1518.6							
	08S	00300	16.41	36.31	26.68		1518.3							
	08S	00400	14.96	36.04	26.80		1515.1							
	08S	00500	13.80	35.89	26.93		1512.8							
	08S	00600	12.10	35.57	27.03		1508.4							
	08S	00700	10.00	35.36	27.25		1502.3							
	08S	00800	08.45	35.31	27.47		1498.2							
	08S	00900	07.39	35.29	27.61		1495.8							
	08S	01000	06.40	35.21	27.69		1493.5							
	08S	01100	05.76	35.19	27.75		1492.5							
	08S	01200	05.13	35.14	27.75		1491.6							
	08S	01300	04.74	35.15	27.85		1491.7							
	08S	01320	04.82	35.16	27.84		1492.4							
	08S	01340	04.57	35.12	27.84		1491.6							
	08S	01355	04.76	35.16	27.85		1492.7							
	08S	01380	04.49	35.15	27.87		1492.0							
	08S	01400	04.55	35.15	27.87		1492.6							
	08S	01500	04.27	35.12	27.87		1493.1							
	08S	01750	04.09	35.11	27.89		1496.5							
	08S	02000	03.69	35.10	27.92		1499.1							
	08S	02500	03.28	35.10	27.96		1505.9							
	08S	03000	02.85	35.09	27.99		1512.6							

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TABLE XXVII.—Continued

REF ID 31 8223 YEAR 1970 BCTDP 02100 AIR TEMP 22.0 IR HGT PER WIND-OIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 11 SHIP DW WET BULB 21.0 17 2 4 WIND-SPO 12 TRACE OIR 0 5 SQUARE 2  
 LAT 34 48 N DAY 11 DATA USE 1 BAROMETR 1017.2 SEA WIND-FJR DURATION 00.3 2 SQUARE 48  
 LONG 048 06 W HOUR 00.2 AREA 05 CLCUD T/A CL/TR WEATHER XI ORIG E48 023 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	TXYG	P74	TOT P	V02	N03	S133	PH
00.2	DBS	00000	20.87	36.36	25.58		1526.1							
	DBS	00010	20.92	36.45	25.64		1526.5							
	DBS	00020	20.98	36.52	25.67		1526.9							
	DBS	00030	20.58	36.53	25.68		1527.0							
	DBS	00050	20.98	36.53	25.68		1527.4							
	DBS	00075	18.25	36.44	26.33		1520.2							
	DBS	00100	17.42	36.43	26.53		1518.2							
	DBS	00125	17.28	36.43	26.56		1518.2							
	DBS	00150	17.12	36.42	26.59		1518.1							
	DBS	00200	16.99	36.41	26.62		1518.5							
	DBS	00250	16.73	36.36	26.64		1518.5							
	DBS	00300	16.35	36.29	26.68		1518.1							
	DBS	00400	15.11	36.06	26.78		1515.6							
	DBS	00500	14.00	35.93	26.92		1513.5							
	DBS	00600	12.28	35.63	27.04		1509.1							
	DBS	00700	10.62	35.47	27.23		1504.7							
	DBS	00800	08.72	35.32	27.43		1499.2							
	DBS	00900	07.40	35.24	27.57		1495.8							
	DBS	00930	07.57	35.33	27.62		1497.0							
	DBS	01000	06.90	35.31	27.70		1495.6							
	DBS	01100	05.40	35.12	27.74		1491.0							
	DBS	01115	05.37	35.19	27.80		1491.2							
	DBS	01140	05.65	35.23	27.80		1492.8							
	DBS	01200	05.03	35.14	27.80		1491.2							
	DBS	01300	04.76	35.14	27.84		1491.7							
	DBS	01400	04.56	35.13	27.85		1492.6							
	DBS	01500	04.26	35.11	27.87		1493.0							

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REF ID 31 8223 YEAR 1970 BCTDP 04350 AIR TEMP 22.0 IR HGT PER WIND-OIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 11 SHIP DW WET BULB 18.0 16 2 3 WIND-SPO 13 TRACE OIR 0 5 SQUARE 4  
 LAT 35 11 N DAY 11 DATA USE 1 BAROMETR 1019.2 SEA WIND-FJR DURATION 00.5 2 SQUARE 48  
 LONG 046 19 W HOUR 11.8 AREA 05 CLCUD T/A CL/TR WEATHER XI ORIG E49 024 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	TXYG	P74	TOT P	V02	N03	S133	PH
11.8	DBS	00000	20.85	36.42	25.63		1526.1							
	DBS	00010	20.96	36.52	25.68		1526.7							
	DBS	00020	20.96	36.52	25.68		1526.8							
	DBS	00030	20.97	36.53	25.68		1527.0							
	DBS	00050	18.85	36.35	26.11		1521.4							
	DBS	00075	17.80	36.42	26.43		1518.8							
	DBS	00100	17.33	36.42	26.54		1517.9							
	DBS	00125	17.15	36.41	26.58		1517.7							
	DBS	00150	17.06	36.42	26.60		1518.0							
	DBS	00200	16.91	36.45	26.62		1518.2							
	DBS	00250	16.52	36.31	26.65		1517.6							
	DBS	00300	16.00	36.22	26.70		1516.9							
	DBS	00400	15.08	36.07	26.80		1515.5							
	DBS	00500	14.12	35.94	26.91		1513.9							
	DBS	00600	13.05	35.75	26.98		1511.8							
	DBS	00700	11.30	35.53	27.15		1507.2							
	DBS	00800	09.15	35.33	27.37		1500.8							
	DBS	00900	07.00	35.16	27.57		1494.1							
	DBS	00940	06.42	35.12	27.61		1492.4							
	DBS	00960	06.53	35.22	27.68		1493.3							
	DBS	01000	06.35	35.22	27.70		1493.2							
	DBS	01100	05.51	35.16	27.76		1491.5							
	DBS	01200	05.15	35.16	27.81		1491.7							
	DBS	01300	05.00	35.18	27.84		1492.8							
	DBS	01400	04.52	35.13	27.85		1492.4							
	DBS	01500	04.27	35.11	27.87		1493.0							
	DBS	01750	03.91	35.09	27.89		1495.7							
	DBS	02000	03.75	35.10	27.91		1496.3							
	DBS	02500	03.37	35.10	27.95		1506.2							
	DBS	03000	02.84	35.09	27.99		1512.6							

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TABLE XXVII.—Continued

REFID 31 8223 YEAR 1970 BOTOP 04580 AIR TEMP 20. DIR HGT PER WIND-DIR 11 INST STO RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 11 SHIP OW WET BULB 19. 19 2 4 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 11 DATA USE 1 BAROMETR 1020.4 SEA WIND-FCR DURATION 00.3 2 SQUARE 48  
 LONG 048 05 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRIG E48 025 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TGT P	N02	N03	S103	PH
23.7	OBS	0000	21.26	36.42	25.52		1527.2							
	OBS	0010	21.26	36.43	25.53		1527.3							
	OBS	0020	21.26	36.44	25.54		1527.5							
	OBS	0030	21.34	36.53	25.58		1528.0							
	OBS	0050	20.49	36.59	25.86		1526.1							
	OBS	0075	18.49	36.49	26.31		1520.9							
	OBS	0100	18.04	36.50	26.43		1520.0							
	OBS	0125	17.69	36.47	26.49		1519.4							
	OBS	0150	17.56	36.48	26.53		1519.4							
	OBS	0200	17.11	36.42	26.55		1518.9							
	OBS	0250	16.94	36.40	26.62		1519.2							
	OBS	0300	16.42	36.30	26.67		1518.3							
	OBS	0400	14.95	36.05	26.81		1515.1							
	OBS	0500	13.64	35.86	26.94		1512.3							
	OBS	0600	11.45	35.50	27.09		1506.2							
	OBS	0700	10.05	35.41	27.28		1502.6							
	OBS	0800	08.53	35.30	27.45		1498.5							
	OBS	0900	07.44	35.28	27.60		1496.0							
	OBS	0915	07.25	35.33	27.66		1495.5							
	OBS	0940	07.51	35.37	27.66		1497.0							
	OBS	1000	06.70	35.28	27.70		1494.7							
	OBS	1100	05.58	35.16	27.75		1491.8							
	OBS	1200	05.14	35.16	27.81		1491.7							
	OBS	1300	04.82	35.15	27.84		1492.0							
	OBS	1400	04.55	35.13	27.85		1492.5							
	OBS	1500	04.34	35.14	27.88		1493.4							

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REFID 31 8223 YEAR 1970 BOTOP 04550 AIR TEMP 21. DIR HGT PER WIND-DIR 14 INST STO RECORDER TEN SQ 1206  
 CONSEC 0026 MONTH 11 SHIP OW WET BULB 21. 17 2 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 12 DATA USE 1 BAROMETR 1020.4 SEA WIND-FCR DURATION 00.7 2 SQUARE 48  
 LONG 048 19 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRIG E48 026 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TGT P	N02	N03	S103	PH
11.6	OBS	0000	21.32	36.49	25.56		1527.4							
	OBS	0010	21.32	36.50	25.57		1527.6							
	OBS	0020	21.32	36.50	25.57		1527.7							
	OBS	0030	21.32	36.50	25.57		1527.9							
	OBS	0050	20.50	36.45	25.75		1526.0							
	OBS	0075	18.60	36.47	26.26		1521.2							
	OBS	0100	17.91	36.47	26.44		1519.6							
	OBS	0125	17.68	36.48	26.50		1519.4							
	OBS	0150	17.45	36.46	26.54		1515.1							
	OBS	0200	17.12	36.41	26.58		1518.9							
	OBS	0250	16.84	36.36	26.63		1518.8							
	OBS	0300	16.49	36.32	26.67		1518.5							
	OBS	0400	15.40	36.10	26.75		1516.6							
	OBS	0500	13.88	35.88	26.91		1513.1							
	OBS	0600	12.64	35.65	26.99		1510.3							
	OBS	0700	10.90	35.50	27.20		1505.8							
	OBS	0800	08.86	35.32	27.41		1499.8							
	OBS	0900	07.50	35.26	27.57		1496.2							
	OBS	0910	07.42	35.24	27.57		1496.0							
	OBS	0920	07.64	35.34	27.61		1497.1							
	OBS	1000	06.36	35.19	27.68		1493.3							
	OBS	1100	05.47	35.14	27.75		1491.3							
	OBS	1105	05.63	35.19	27.77		1492.1							
	OBS	1200	05.06	35.14	27.80		1491.3							
	OBS	1300	04.66	35.12	27.83		1491.3							
	OBS	1400	04.41	35.11	27.85		1491.9							
	OBS	1500	04.23	35.11	27.87		1492.9							
	OBS	01750	04.00	35.10	27.89		1496.1							
	OBS	02000	03.76	35.10	27.91		1499.3							
	OBS	02500	03.24	35.09	27.96		1505.7							
	OBS	03000	02.86	35.08	27.98		1512.7							

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TABLE XXVII.—Continued

REFID 31 8223	YEAR 1970	BOTOP D1800	AIR TEMP 21.	DIR HGT PER	WIND-DIR 12	INST STO RECORDER	TEN SQ 1206
CONSEC 0027	MONTH 11	SHIP OW	WET BULB 21.	14 2 4	WIND-SPO 15	TRACE DIR 0	5 SQUARE 4
LAT 35 10 N	DAY 12	DATA USE 1	BAROMETR 1020.4	SEA	WIND-FPR	DURATION 00.3	2 SQUARE 48
LONG 048 10 W	HOUP 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG E48 027	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
23.6	085	00000	20.93	36.20	25.44		1526.0							
	085	00010	20.93	36.20	25.44		1526.2							
	085	00020	20.93	36.21	25.45		1526.4							
	085	00030	20.90	36.22	25.47		1526.5							
	085	00050	20.78	36.30	25.56		1526.6							
	085	00075	19.75	36.53	26.01		1524.5							
	085	00100	18.60	36.50	26.29		1521.6							
	085	00125	18.12	36.51	26.42		1520.7							
	085	00150	17.75	36.49	26.49		1520.0							
	085	00200	17.37	36.46	26.56		1519.7							
	085	00250	17.13	36.44	26.60		1519.8							
	085	00300	16.95	36.41	26.63		1520.0							
	085	00400	15.45	36.08	26.72		1516.7							
	085	00500	13.81	35.89	26.93		1512.9							
	085	00600	12.72	35.69	27.00		1510.6							
	085	00700	10.74	35.45	27.15		1505.1							
	085	00800	09.18	35.34	27.37		1501.0							
	085	00900	07.67	35.28	27.56		1496.8							
	085	01000	06.37	35.20	27.68		1493.3							
	085	01100	05.51	35.16	27.76		1491.5							
	085	01200	05.16	35.17	27.81		1491.7							
	085	01300	04.89	35.17	27.84		1492.3							
	085	01400	04.78	35.18	27.86		1493.6							
	085	01500	04.37	35.14	27.88		1493.5							

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REFID 31 8223	YEAR 1970	BOTOP 04190	AIR TEMP 22.	DIR HGT PER	WIND-DIR 12	INST STO RECORDER	TEN SQ 1206
CONSEC 0028	MONTH 11	SHIP OW	WET BULB 21.	15 2 3	WIND-SPO 15	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 13	DATA USE 1	BAROMETR 1018.4	SEA	WIND-FPR	DURATION 00.6	2 SQUARE 48
LONG 048 07 W	HOUP 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X8	ORIG E48 028	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
12.2	085	00000	20.84	36.16	25.44		1525.7							
	085	00010	20.85	36.17	25.44		1526.0							
	085	00020	20.86	36.18	25.45		1526.2							
	085	00030	21.03	36.36	25.54		1527.0							
	085	00050	20.10	36.51	25.90		1525.0							
	085	00075	18.95	36.47	26.17		1522.2							
	085	00100	18.03	36.50	26.43		1520.0							
	085	00125	17.78	36.50	26.49		1519.7							
	085	00150	17.65	36.48	26.51		1519.7							
	085	00200	17.30	36.45	26.57		1519.5							
	085	00250	17.13	36.44	26.60		1519.8							
	085	00300	17.03	36.43	26.62		1520.3							
	085	00400	15.85	36.21	26.73		1518.1							
	085	00500	14.00	35.92	26.92		1513.5							
	085	00600	12.95	35.75	27.00		1511.5							
	085	00700	11.30	35.52	27.14		1507.2							
	085	00800	09.40	35.35	27.35		1501.8							
	085	00900	07.50	35.26	27.57		1496.2							
	085	01000	06.41	35.21	27.69		1493.5							
	085	01100	05.73	35.18	27.75		1492.4							
	085	01200	05.13	35.15	27.80		1491.6							
	085	01260	05.00	35.16	27.82		1492.1							
	085	01270	05.12	35.18	27.82		1492.8							
	085	01300	05.00	35.18	27.84		1492.8							
	085	01400	04.62	35.15	27.86		1492.9							
	085	01500	04.32	35.14	27.88		1493.3							
	085	01750	03.81	35.08	27.89		1495.3							
	085	02000	03.71	35.09	27.91		1495.1							
	085	02500	03.29	35.10	27.96		1505.9							
	085	03000	02.78	35.08	27.99		1512.3							

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TABLE XXVII.—Continued

REFID	31 8223	YEAR	1970	80TDP	05200	AIR TEMP	20.	DIR MGT	PER	WIND-DIR	14	INST STO	RECORDR	TEN SQ	1207
CONSEC	0029	MONTH	11	SHIP OW		WET BULB	19.	24	1 4	WIND-SPD	10	TRACE OIR	0	5 SQUARE	3
LAT	35 05 N	DAY	13	DATA USE	1	BAROMETP	1017.2	SEA		WIND-FDR		OURATION	00.3	2 SQUARE	40
LONG	050 00 W	HOUR	23.5	AREA	05	CLOUD T/A		CL/TR		WEATHER	XL	ORIG E48	029	1 SQUARE	50

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYN DPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SIG3	PH
23.5	08S	00000	21.32	36.23	25.36		1527.1							
	08S	00010	21.35	36.24	25.36		1527.3							
	08S	00020	21.35	36.25	25.37		1527.5							
	08S	00030	21.33	36.26	25.38		1527.6							
	08S	00050	21.31	36.38	25.48		1528.1							
	08S	00075	20.10	36.45	25.86		1525.3							
	08S	00100	18.80	36.49	26.23		1522.2							
	08S	00125	18.20	36.51	26.40		1520.9							
	08S	00150	17.82	36.46	26.45		1520.2							
	08S	00200	17.50	36.45	26.52		1520.1							
	08S	00250	17.17	36.42	26.58		1519.9							
	08S	00300	17.12	36.45	26.61		1520.6							
	08S	00400	16.56	36.30	26.63		1520.4							
	08S	00500	14.55	35.92	26.80		1515.3							
	08S	00600	12.75	35.69	27.00		1510.7							
	08S	00700	10.60	35.36	27.15		1504.5							
	08S	00760	08.87	35.26	27.36		1499.0							
	08S	00770	08.98	35.29	27.37		1499.7							
	08S	00800	08.65	35.25	27.39		1498.9							
	08S	00900	06.83	35.11	27.55		1493.4							
	08S	01000	05.54	35.09	27.70		1489.8							
	08S	01100	05.00	35.09	27.77		1489.3							
	08S	01200	04.73	35.10	27.81		1489.9							
	08S	01300	04.55	35.11	27.84		1490.8							
	08S	01400	04.37	35.10	27.85		1491.8							
	08S	01500	04.20	35.10	27.87		1492.7							

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TABLE XXVIII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station ECHO 14 November 1970 - 7 December 1970, prepared from NODC listing No. 31 - 1777.

REFID 31 1777 YEAR 1970 BOTOP 04023 AIR TEMP 22.2 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SO 1206  
 CONSEC 0001 MONTH 11 SHIP DU WET BULB 19.0 SEA 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 15 DATA USE 1 BAROMETR 1021.1 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 16.7 AREA 05 CLDUD T/A 6/4 CL/TR WEATHER X1 ORIG E49 001 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
16.7	085	00000	21.13	36.215	25.40		1526.6	05.24						
16.7	085	00024	21.01	36.336	25.53		1526.8	05.24						
16.7	085	00050	20.82	36.473	25.68		1526.9	05.12						
16.7	085	00075	20.95	36.521	25.68		1527.7	04.57						
16.7	085	00101	18.19					04.59						
16.7	085	00150	17.56	36.448	26.51		1519.4	04.77						
16.7	085	T00200	17.24	36.413	26.56		1519.2	04.79						
16.7	085	00301	16.61	36.316	26.63		1518.9	05.20						
16.7	085	T00400	15.51	36.113	26.73		1518.9	04.95						
16.7	085	00501	13.74	35.786	26.87		1512.5	04.50						
16.7	085	T00600	12.39	35.595	26.99		1509.4	04.15						
16.7	085	00800	08.39	35.183	27.38		1457.8	03.97						
16.7	085	T01001	06.79	35.186	27.61		1495.0	04.83						
16.7	085	01503	04.30	34.982	27.76		1493.0	06.16						

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REFID 31 1777 YEAR 1970 BOTOP 04663 AIR TEMP 24.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SO 1206  
 CONSEC 0002 MONTH 11 SHIP DU WET BULB 21.0 SEA 2 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 16 DATA USE 1 BAROMETR 1024.4 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.9 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E49 002 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.9	085	00000	21.02	36.246	25.45		1526.3	05.09						
13.9	085	00025	20.78	36.267	25.54		1526.1	05.01						
13.9	085	00051	20.94	36.354	25.56		1527.1	04.98						
13.9	085	00076	20.89	36.482	25.67		1527.5	04.29						
13.9	085	00102	17.99	36.456	26.41		1519.9	04.63						
13.9	085	00153	17.34	36.417	26.54		1518.8	04.53						
13.9	085	00204	17.05	36.388	26.58		1518.7	04.63						
13.9	085	00306	16.48	36.294	26.65		1518.6	04.77						
13.9	085	T00407	15.33	36.082	26.75		1516.4	04.72						
13.9	085	00510	13.24	35.700	26.90		1510.9	04.24						
13.9	085	T00611	11.55	35.516	27.09		1506.6	04.04						
13.9	085	00814	08.08	35.216	27.45		1456.9	04.03						
13.9	085	T01019	06.65	35.239	27.68		1494.8	04.70						
13.9	085	01530	04.31	35.006	27.78		1493.6	05.69						

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REFID 31 1777 YEAR 1970 BOTOP 04114 AIR TEMP 21.4 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SO 1206  
 CONSEC 0003 MONTH 11 SHIP DU WET BULB 19.7 SEA 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 17 DATA USE 1 BAROMETR 1023.5 WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E49 003 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	085	00000	20.73	36.131	25.45		1525.4	05.20						
12.5	085	00025	20.70	36.155	25.47		1525.8	05.18						
12.5	085	00050	20.96	36.452	25.63		1527.2							
12.5	085	00075	20.03	36.428	25.86		1525.1	05.11						
12.5	085	00099	17.66	36.396	26.44		1518.8	05.16						
12.5	085	00150	17.08	36.361	26.56		1517.9	04.86						
12.5	085	00199	16.88	36.365	26.61		1518.1	05.01						
12.5	085	00299	16.20	36.241	26.67		1517.5	04.94						
12.5	085	T00398	14.52	35.942	26.82		1513.5	04.71						
12.5	085	00499	13.24	35.714	26.91		1510.7	04.44						
12.5	085	T00598	11.65	35.496	27.06		1506.7							
12.5	085	00800	08.51	35.222	27.35		1498.3	04.07						
12.5	085	T01003	06.41	35.172	27.66		1493.5	04.96						

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TABLE XXVIII.—Continued

REFID 31 1777 YEAR 1970 BOTOP 04114 AIR TEMP 22.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 11 SHIP DU WET BULB 20.8 31 2 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 18 DATA USE 1 BAROMETR 1022.0 SEA WIND-FDR 4 DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 14.7 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 DRIG E49 004 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	PD4	TOT P	NO2	NO3	SIO3	PH
14.7	DBS	00000	21.16	36.180	25.37		1526.6	05.17						
14.7	DBS	00024	21.09	36.191	25.39		1526.8	05.08						
14.7	DBS	00046	21.07	36.183	25.39		1527.1	05.05						
14.7	DBS	00069	20.84	36.341	25.56		1527.1	04.80						
14.7	DBS	00092	19.30	36.506	26.11		1523.5	04.34						
14.7	DBS	00138	17.78	36.484	26.48		1519.7	04.70						
14.7	DBS	00183	17.33	36.435	26.56		1519.5	04.80						
14.7	DBS	00273	16.80	36.357	26.62		1514.1	04.92						
14.7	DBS	T00362	15.70	36.248	26.72		1516.4	04.77						
14.7	DBS	00450	14.44	35.921	26.82		1514.1	04.58						
14.7	DBS	T00537	13.37	35.711	26.85		1511.8	04.69						
14.7	DBS	00711	09.72	35.293	27.25		1501.4	03.76						
14.7	DBS	T00888	07.21	35.129	27.51		1494.7	04.34						
14.7	DBS	T01382	04.37	34.978	27.75		1491.5	05.74						

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REFID 31 1777 YEAR 1970 BOTOP 04480 AIR TEMP 22.1 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 11 SHIP DU WET BULB 21.0 18 2 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1022.0 SEA WIND-FDR 4 DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.6 AREA 05 CLOUD T/A 2/5 CL/TR WEATHER X1 DRIG E49 005 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.6	DBS	00000	21.08	36.147	25.36		1526.4	05.17						
12.6	DBS	00028	20.91	36.135	25.40		1526.4	05.27						
12.6	DBS	00054	20.97	36.215	25.45		1527.0	05.13						
12.6	DBS	00082	19.81	36.531	26.00		1524.8	04.37						
12.6	DBS	00108	18.56	36.506	26.30		1521.7	04.48						
12.6	DBS	00163	17.68	36.463	26.45		1520.0	04.73						
12.6	DBS	00217	17.23	36.410	26.56		1519.5							
12.6	DBS	00324	16.47	36.276	26.64		1518.8	04.68						
12.6	DBS	T00432	14.83	36.007	26.80		1515.2	04.96						
12.6	DBS	00541	13.12	35.698	26.93		1511.0	04.75						
12.6	DBS	T00649	11.57	35.488	27.07		1507.2	04.00						
12.6	DBS	00868	07.52	35.144	27.48		1495.6	04.34						
12.6	DBS	T01088	05.72	35.108	27.65		1492.1	05.34						
12.6	DBS	01639	04.11	34.988	27.75		1494.5	06.19						

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REFID 31 1777 YEAR 1970 BOTOP 04663 AIR TEMP 17.7 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 11 SHIP DU WET BULB 12.4 34 3 3 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 22 DATA USE 1 BAROMETR 1025.2 SEA WIND-FDR 4 DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.6 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 DRIG E49 006 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.6	DBS	00000	20.66	36.188	25.51		1525.3	05.14						
13.6	DBS	00023	20.64	36.185	25.51		1525.6	05.17						
13.6	DBS	00048	20.66	36.189	25.51		1526.1	05.14						
13.6	DBS	00071	19.79	36.507	25.98		1524.5	04.42						
13.6	DBS	00095	18.47	36.451	26.28		1521.1	04.66						
13.6	DBS	00142	17.79	36.475	26.47		1520.0	04.75						
13.6	DBS	T00189	17.41	36.442	26.54		1519.6	04.82						
13.6	DBS	00284	16.91	36.374	26.61		1519.6							
13.6	DBS	T00377	16.03	36.210	26.69		1518.3	04.89						
13.6	DBS	00472	15.01	36.032	26.78		1516.4	05.01						
13.6	DBS	T00565	13.77	35.832	26.90		1513.7	04.90						
13.6	DBS	00754	10.80	35.421	27.16		1506.2	04.03						
13.6	DBS	00943	07.68	35.168	27.47		1497.4	04.35						
13.6	DBS	T01422	04.65	35.031	27.76		1493.2	05.86						

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REFID 31 1777 YEAR 1970 BOTOP 02926 AIR TEMP 14.6 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 11 SHIP DU WET BULB 15.8 06 3 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 23 DATA USE 1 BAROMETR 1025.6 SEA WIND-FDR 4 DURATION 2 SQUARE 48  
 LONG 048 35 W HOUR 13.8 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 DRIG E49 007 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	UXYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.8	DBS	00000	20.77	36.273	25.54		1525.7	05.34						
13.8	DBS	00023	20.73	36.265	25.55			05.32						
13.8	DBS	00045	20.76	36.262	25.54		1526.4							
13.8	DBS	00067	20.72	36.337	25.61		1526.7	05.29						
13.8	DBS	00088	19.35	36.447	26.05		1523.5	05.24						
13.8	DBS	00133	17.84	36.475	26.46		1520.0	04.86						
13.8	DBS	00177	17.48	36.432	26.51		1519.6	04.92						
13.8	DBS	00266	17.05	36.432	26.62		1519.6	05.12						
13.8	DBS	T00355	16.30	36.333	26.72		1518.9	05.30						
13.8	DBS	00444	15.44	36.157	26.78		1517.5	04.64						
13.8	DBS	T00533	13.99	35.991	26.97		1514.1	04.57						
13.8	DBS	00711	11.82	35.738	27.21		1509.3	03.98						
13.8	DBS	T00889	09.82	35.472	27.37		1505.0	04.67						
13.8	DBS	T01360	05.34	35.208	27.82		1495.2	05.69						

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TABLE XXVIII.—Continued

REFID 31 1777 YEAR 1970 BOTDP 04663 AIR TEMP 19.5 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 11 SHIP DU WET BULB 15.8 10 4 2 WIND-SPD 24 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 25 DATA USE 1 BAROMETR 1025.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 13.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E49 008 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TGT P	NU2	NU3	SIJ3	PH
13.5	08S	00000	20.88	36.364	25.58		1526.1	05.06						
13.5	08S	00029	20.85	36.366	25.56		1526.5	05.04						
13.5	08S	00056	20.73	36.335	25.60		1526.6							
13.5	08S	00084	19.32	36.445	26.06		1523.3	04.99						
13.5	08S	00112	17.46	36.395	26.45		1518.4	04.72						
13.5	08S	00166	17.02	36.396	26.60		1518.0	04.68						
13.5	08S	T00221	16.73	36.344	26.63		1518.0	04.89						
13.5	08S	00330	15.82	36.179	26.71		1516.8	04.75						
13.5	08S	T00435	14.52	35.954	26.83		1514.2	04.56						
13.5	08S	00537	13.11	35.705	26.93		1510.9	04.44						
13.5	08S	T00634	10.97	35.392	27.10		1504.8	03.75						
13.5	08S	00826	07.86	35.195	27.47		1496.2	04.12						
13.5	08S	T01024	06.18	35.206	27.71		1453.0	05.02						
13.5	08S	T01596	04.33	35.001	27.77		1494.8	05.97						

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REFID 31 1777 YEAR 1970 BOTDP 04572 AIR TEMP 20.5 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 11 SHIP DU WET BULB 17.0 12 4 2 WIND-SPD 20 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1016.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 14.6 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E49 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TGT P	NU2	NU3	SIJ3	PH
14.6	08S	00000	21.04	36.446	25.60		1526.6	05.12						
14.6	08S	00025	21.05	36.460	25.61		1527.1	05.07						
14.6	08S	00049	21.08	36.461	25.60		1527.5	05.01						
14.6	08S	00075	21.06	36.464	25.61		1527.7							
14.6	08S	00099	17.72	36.374	26.41		1518.9							
14.6	08S	00148	16.88	36.364	26.61		1517.3	04.80						
14.6	08S	T00197	16.56	36.318	26.65		1517.1	04.87						
14.6	08S	00295	15.75	36.178	26.73		1516.0	04.65						
14.6	08S	T00392	14.64	35.959	26.81		1513.9	04.65						
14.6	08S	00491	13.45	35.774	26.92		1511.4	04.48						
14.6	08S	T00590	11.93	35.552	27.05		1507.6	03.99						
14.6	08S	00790	08.54	35.274	27.43		1498.3	04.02						
14.6	08S	T00996	06.16	35.161	27.68		1492.4	04.96						

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REFID 31 1777 YEAR 1970 BOTDP 04206 AIR TEMP 19.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 12 SHIP DU WET BULB 14.8 04 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1011.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 14.9 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E49 010 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PJ4	TGT P	NU2	NU3	SIJ3	PH
14.9	08S	00000	20.19	36.439	25.83		1524.3	05.25						
14.9	08S	00025	20.14 Q	36.435	25.84			05.29						
14.9	08S	00051	20.19	36.435	25.82		1525.2	05.24						
14.9	08S	00075	20.07	36.428	25.85		1525.2							
14.9	08S	00101	17.32	36.361	26.50		1517.8	04.99						
14.9	08S	00151	17.00	36.357	26.57		1517.7	04.90						
14.9	08S	T00201	16.50	36.277	26.63		1516.9	04.83						
14.9	08S	00302	15.40	36.079	26.73		1514.9	04.74						
14.9	08S	T00403	13.90					04.65						
14.9	08S	00504	12.66	35.630	26.97		1506.8	04.30						
14.9	08S	T00604	10.97	35.404	27.11		1504.3	03.84						
14.9	08S	00805	07.74	35.183	27.48		1455.4	04.24						
14.9	08S	T01007	06.46	35.212	27.68		1453.8	05.02						
14.9	08S	01513	04.09	34.970	27.77		1452.3	06.12						

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TABLE XXIX.—Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 7 December 1970 - 30 December 1970, prepared from NODC listing No. 31 - 1779.

REFID 31 1779 YEAR 1970 BOTDP 04005 AIR TEMP 15.4 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 12 SHIP CC WET BULB 11.9 35 4 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 59.5N DAY 10 DATA USE 1 BARMETR 1024.2 SEA WIND-FUP DURATION 2 SQUARE 48  
 LONG 048 02 W HDUR 09.5 AREA 05 CLCUD T/A 8/5 CL/TR WEATHER X1 ORIG ESO 001 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
09.5	DBS	00000	19.90	36.496	25.95		1523.6							
09.5	DBS	00025	19.89	36.501	25.95		1524.0							
09.5	DBS	00049	19.94	36.502	25.94		1524.5							
09.5	DBS	00075	19.92	36.506	25.95		1524.9							
09.5	DBS	00100	17.22	36.379	26.54		1517.5							
09.5	DBS	00150	16.95	36.384	26.61		1517.5							
09.5	DBS	T00200	16.60	36.318	26.64		1517.2							
09.5	DBS	00297	15.72	36.146	26.71		1515.9							
09.5	DBS	T00392	14.32	35.917	26.84		1512.8							
09.5	DBS	00488	12.78	35.676	26.98		1509.0							
09.5	DBS	T00582	11.11	35.457	27.13		1504.5							
09.5	DBS	00772	08.26	35.262	27.48		1497.0							
09.5	DBS	T00962	05.97	35.100	27.66		1491.0							
09.5	DBS	T01469	04.24	35.017	27.80		1452.3							

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REFID 31 1779 YEAR 1970 BOTDP 04312 AIR TEMP 18.6 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 12 SHIP CC WET BULB 16.5 24 6 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BARMETR 1010.1 SEA WIND-FUP DURATION 2 SQUARE 48  
 LONG 048 05 W HDUR 14.7 AREA 05 CLCUD T/A 5/8 CL/TR WEATHER X8 ORIG ESO 002 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
14.7	DBS	00000		36.511										
14.7	DBS	00027		36.511										
14.7	DBS	00052	19.89	36.512	25.96		1524.5							
14.7	DBS	00078	19.88	36.512	25.96		1524.9							
14.7	DBS	00105	17.38	36.369	26.45		1518.0							
14.7	DBS	00154	16.83	36.354	26.61		1517.2							
14.7	DBS	T00201	16.40	36.279	26.65		1516.6							
14.7	DBS	00295	15.84	36.190	26.72		1516.3							
14.7	DBS	T00382	14.12	35.884	26.86		1511.9							
14.7	DBS	00465	13.24	35.742	26.94		1510.2							
14.7	DBS	T00543	11.83	35.546	27.06		1506.5							
14.7	DBS	00696	09.35	35.312	27.32		1499.8							

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REFID 31 1779 YEAR 1970 BOTDP 04316 AIR TEMP 17.2 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 12 SHIP CC WET BULB 14.7 26 6 4 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BARMETR 1014.8 SEA WIND-FUP DURATION 2 SQUARE 48  
 LONG 048 00 W HDUR 12.1 AREA 05 CLCUD T/A 8/4 CL/TR WEATHER X1 ORIG ESO 003 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	DBS	00000	19.83	36.518	25.98		1523.5							
12.1	DBS	00023	19.82	36.513	25.98		1523.8							
12.1	DBS	00048	19.95	36.519	25.95		1524.6							
12.1	DBS	00073	19.86	36.521	25.98		1524.7							
12.1	DBS	00098	19.40	36.473	26.06		1523.8							
12.1	DBS	00149	16.78	36.339	26.61		1517.0							
12.1	DBS	T00200	16.15	36.230	26.68		1515.7							
12.1	DBS	00302	14.76	36.012	26.82		1512.8							

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REFID 31 1779 YEAR 1970 BOTDP 04505 AIR TEMP 19.6 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 12 SHIP CC WET BULB 17.1 23 5 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 13 DATA USE 1 BARMETR 1019.3 SEA WIND-FUP DURATION 2 SQUARE 46  
 LONG 047 41 W HDUR 17.0 AREA 05 CLCUD T/A 8/2 CL/TR WEATHER X1 ORIG ESO 004 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
17.0	DBS	00000	19.52	36.450	26.01		1522.5							
17.0	DBS	00029	19.52	36.454	26.01		1523.0							
17.0	DBS	00058	19.56	36.454	26.00		1523.6							
17.0	DBS	00088	18.68	36.407	26.20		1521.6							
17.0	DBS	00118	16.92	36.338	26.58		1516.9							
17.0	DBS	00177	16.45	36.287	26.65		1516.4							
17.0	DBS	T00235	15.81	36.173	26.71		1515.2							
17.0	DBS	00354		35.948										
17.0	DBS	T00473	13.05	35.700	26.94		1509.7							
17.0	DBS	00595	10.77	35.409	27.15		1503.4							
17.0	DBS	T00717	08.88	35.235	27.34		1498.3							
17.0	DBS	00964	06.37	35.184	27.67		1492.7							
17.0	DBS	01214	05.11	35.111	27.77		1491.7							
17.0	DBS	T01855	03.71	34.981	27.82		1496.5							

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TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTOP 04584 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 12 SHIP CC WET BULB 18.1 28 6 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 14 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E50 005 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
12.1	DBS	00000	19.65	36.355	25.91		1522.6							
12.1	DBS	00025	19.64	36.492	26.01		1523.3							
12.1	DBS	00048	19.66	36.502	26.01		1523.8							
12.1	DBS	00071	19.71	36.520	26.02		1524.3							
12.1	DBS	00096	19.18	36.496	26.14		1523.2							
12.1	DBS	00141	16.84	36.346	26.60		1517.0							
12.1	DBS	T00190	16.52	36.297	26.64		1516.8							
12.1	DBS	00281	15.73	36.170	26.73		1515.7							
12.1	DBS	T00373	14.44	36.012	26.89		1513.0							
12.1	DBS	00735	08.70	35.186	27.33		1497.9							
12.1	DBS	00912	06.53	35.092	27.58		1452.9							
12.1	DBS	T01323	04.63	35.056	27.78		1491.5							

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REFID 31 1779 YEAR 1970 BOTOP 02381 AIR TEMP 20.1 DIP HGT PER WIND-DIP 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 12 SHIP CC WET BULB 18.7 23 7 3 WIND-SPD 24 TRACE DIR 5 SQUARE 4  
 LAT 35 16.7N DAY 15 DATA USE 1 BAROMETR 1019.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 DRIG E50 006 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
11.9	DBS	00000	19.40	36.215	25.86		1521.9							
11.9	DBS	00030	19.40	36.212	25.86		1522.4							
11.9	DBS	00058	19.43	36.215	25.86		1522.9							
11.9	DBS	00088	18.62	36.401	26.21		1521.4							
11.9	DBS	00117	17.92	36.410	26.35		1519.9							
11.9	DBS	00168	17.38	36.415	26.53		1519.1							
11.9	DBS	T00234	16.95	36.376	26.60		1518.9							
11.9	DBS	00351	15.41	36.095	26.74		1515.8							
11.9	DBS	T00468	13.58	35.784	26.90		1511.4							
11.9	DBS	00588	11.19	35.455	27.11		1504.9							
11.9	DBS	T00710	08.81	35.218	27.34		1497.9							
11.9	DBS	00959	05.95	35.097	27.66		1450.8							
11.9	DBS	01212	04.90											
11.9	DBS	T01662	03.75	34.978	27.82		1450.8							

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REFID 31 1779 YEAR 1970 BOTOP 04581 AIR TEMP 18.8 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 12 SHIP CC WET BULB 17.0 27 5 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 11 N DAY 16 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER X8 DRIG E50 007 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
12.0	DBS	00000	19.49	36.242	25.86		1522.2							
12.0	DBS	00058	19.47	36.238	25.86		1523.1							
12.0	DBS	00087	18.95	36.422	26.14		1522.3							
12.0	DBS	00115	17.35	36.384	26.51		1518.1							
12.0	DBS	00174	16.80	36.360	26.62		1517.4							
12.0	DBS	00231	16.33	36.265	26.66		1516.8							
12.0	DBS	00346	14.92	36.021	26.79		1514.1							
12.0	DBS	T00461	13.49	35.775	26.91		1511.0							
12.0	DBS	00576	11.62	35.489	27.06		1506.2							
12.0	DBS	T00690	09.77	35.295	27.24		1501.3							
12.0	DBS	00919	06.44	35.124	27.61		1492.2							
12.0	DBS	01147	05.68											
12.0	DBS	T01721	05.86	34.987	27.81		1494.9							

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REFID 31 1779 YEAR 1970 BOTOP 04754 AIR TEMP 17.2 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 12 SHIP CC WET BULB 12.0 31 5 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 17 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 11.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 DRIG E50 008 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SIO3	PH
11.8	DBS	00000	19.53	36.360	25.94		1522.4							
11.8	DBS	00024	19.51	36.364	25.95		1522.8							
11.8	DBS	00049	19.52	36.357	25.94		1523.2							
11.8	DBS	00074	19.56	36.367	25.94		1523.7							
11.8	DBS	00098	18.46	36.481	26.31		1521.2							
11.8	DBS	00149	17.67	36.459	26.49		1519.7							
11.8	DBS	00199	17.16	36.409	26.57		1519.0							
11.8	DBS	00295	16.16	36.234	26.68		1517.3							
11.8	DBS	T00391	14.92	36.013	26.79		1514.8							
11.8	DBS	00486	13.58	35.807	26.92		1511.8							
11.8	DBS	T00579	11.57	35.499	27.08		1506.1							
11.8	DBS	00761		35.256										
11.8	DBS	T00942	05.98											

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TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTDP 04269 AIR TEMP 17.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 12 SHIP CC WET BULB 13.8 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 59.5N DAY 18 DATA USE 1 BAROMETR 1026.1 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 07.2W HOUR 11.8 AREA 05 CLOUD T/A 0/0 CL/TR WEATHER X1 ORIG ESO 009 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.8	DBS	00000	19.56	36.473	26.02		1522.7							
11.8	DBS	00024	19.54	36.468	26.02		1523.0							
11.8	DBS	00048	19.58	36.468	26.01		1523.5							
11.8	DBS	00072	19.59	36.464	26.00		1523.9							
11.8	DBS	00095	19.32	36.465	26.06		1523.5							
11.8	DBS	00143	17.66	36.450	26.46		1517.6							
11.8	DBS	T00189	17.20	36.413	26.57		1518.9							
11.8	DBS	00278	16.56	36.304	26.64		1518.9							
11.8	DBS	T00364	14.81	35.964	26.77		1513.9							
11.8	DBS	00450	13.46	35.760	26.90		1510.7							
11.8	DBS	00534	12.26	35.589	27.01		1507.9							
11.8	DBS	00711	08.50	35.204	27.38		1496.8							
11.8	DBS	T00900	06.16	35.096	27.63		1490.7							

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REFID 31 1779 YEAR 1970 BOTDP 04364 AIR TEMP 19.5 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 12 SHIP CC WET BULB 16.9 WIND-SPD 25 TRACE DIR 5 SQUARE 4  
 LAT 35 00.5N DAY 19 DATA USE 1 BAROMETR 1011.0 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 047 57 W HOUR 17.1 AREA 05 CLOUD T/A 9/5 CL/TR WEATHER X1 ORIG ESO 010 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
17.1	DBS	00000	19.28	36.263	25.93		1521.6							
17.1	DBS	00027	19.25	36.264	25.94		1522.0							
17.1	DBS	00053	19.31	36.364	26.00		1522.7							
17.1	DBS	00081	19.36	36.372	25.95		1523.3							
17.1	DBS	00108	19.22	36.377	26.03		1523.4							
17.1	DBS	00162	17.56	36.395	26.47		1519.5							
17.1	DBS	T00215	16.55	36.296	26.63		1517.3							
17.1	DBS	T00425	14.03	35.667	26.87		1512.3							
17.1	DBS	00533	12.15											
17.1	DBS	T00640	09.67	35.276	27.24		1500.0							
17.1	DBS	00858	06.73	35.126	27.58		1492.3							
17.1	DBS	T01078	05.82											

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REFID 31 1779 YEAR 1970 BOTDP 04545 AIR TEMP 18.4 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 12 SHIP CC WET BULB 15.0 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 58.3N DAY 20 DATA USE 1 BAROMETR 1015.4 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 57.7W HOUR 12.0 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG ESO 011 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.0	DBS	00000	19.20	36.318	25.99		1521.5							
12.0	DBS	00026	19.18	36.324	26.00		1521.9							
12.0	DBS	00051	19.22	36.335	26.00		1522.4							
12.0	DBS	00078	19.31	36.379	26.01		1523.1							
12.0	DBS	00103	18.31	36.402	26.29		1520.8							
12.0	DBS	00156	16.90	36.355	26.59		1517.4							
12.0	DBS	00209	16.44	36.292	26.66		1516.9							
12.0	DBS	00316	15.22	36.064	26.76		1514.6							
12.0	DBS	T00423	13.82	35.834	26.85		1511.6							
12.0	DBS	00532	12.26	35.609	27.03		1507.9							
12.0	DBS	T00640	09.97	35.341	27.24		1501.2							
12.0	DBS	00858	06.88	35.144	27.57		1492.9							
12.0	DBS	01074	06.02											
12.0	DBS	T01618	03.92	34.984	27.80		1493.4							

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REFID 31 1779 YEAR 1970 BOTDP 04453 AIR TEMP 16.1 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 12 SHIP CC WET BULB 12.4 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01.3N DAY 23 DATA USE 1 BAROMETR 1016.9 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 01.5W HOUR 12.1 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG ESO 012 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.1	DBS	00000	19.12	36.385	26.07		1521.3							
12.1	DBS	00024	19.14	36.389	26.06		1521.8							
12.1	DBS	00050	19.20	36.411	26.07		1522.4							
12.1	DBS	00074	19.11	36.429	26.10		1522.6							
12.1	DBS	00099	18.42	36.497	26.33		1521.1							
12.1	DBS	00148	17.78	36.495	26.44		1520.1							
12.1	DBS	T00198	17.50	36.456	26.53		1520.0							
12.1	DBS	00297	17.00	36.377	26.59		1520.1							
12.1	DBS	00395	15.84	36.142	26.68		1517.9							
12.1	DBS	00493	14.02	35.865	26.87		1513.4							
12.1	DBS	T00591	11.21	35.437	27.10		1505.0							
12.1	DBS	00787	07.81	35.168	27.45		1499.4							
12.1	DBS	T00981	05.63	35.071	27.68		1495.7							
12.1	DBS	01464	04.23	35.008	27.79		1492.1							
17.0	DBS	T02031	03.60											
17.0	DBS	T02539	03.19	34.980	27.87		1506.0							
17.0	DBS	03046	02.78	34.925	27.87		1512.7							

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TABLE XXIX.—Continued

REFID 31 1774 YEAR 1970 BOTDP 04604 AIR TEMP 17.0 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 12 SHIP CC WET BULB 12.5 33 0 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 53.5N DAY 24 DATA USE 1 BAROMETR 1010.1 SEA WIND-FRG DURATION 2 SQUARE 46  
 LONG 047 57.6W HOUR 12.2 AREA 05 CLOUD T/A 874 CLZTR WEATHER XI ORIG E50 013 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	19.14	36.378	26.06		1521.4							
12.2	OBS	00024	19.15	36.365	26.04		1521.8							
12.2	OBS	00047	19.15	36.366	26.04		1522.2							
12.2	OBS	00071	19.16	36.356	26.03		1522.6							
12.2	OBS	00095		36.406										
12.2	OBS	00143	17.77	36.469	26.47		1519.7							
12.2	OBS	T00189	17.40	36.445	26.51		1519.0							
12.2	OBS	00281	16.56	36.385	26.61		1519.7							
12.2	OBS	T00370	15.60	36.122	26.72		1516.7							
12.2	OBS	00456	14.03	35.851	26.86		1512.8							
12.2	OBS	T00548	12.46	35.605	26.94		1508.8							
12.2	OBS	06696		35.176										

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REFID 31 1774 YEAR 1970 BOTDP 04354 AIR TEMP 19.3 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 12 SHIP CC WET BULB 17.6 25 6 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1008.3 SEA WIND-FRG DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 077 CLZTR WEATHER XI ORIG E50 014 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	19.22	36.309	25.98		1521.5							
11.9	OBS	00020	19.21	36.313	25.99		1521.8							
11.9	OBS	00040	19.22	36.308	25.98		1522.2							
11.9	OBS	00060	19.24	36.313	25.98		1522.6							
11.9	OBS	00080	19.24	36.416	26.06		1523.0							
11.9	OBS	00120	18.13	36.508	26.41		1520.6							
11.9	OBS	T00159	17.53	36.461	26.52		1519.5							
11.9	OBS	00237		36.380										
11.9	OBS	T00315	16.59	36.320	26.64		1519.1							
11.9	OBS	00396	15.41	36.113	26.76		1516.5							
11.9	OBS	00480	13.99	35.866	26.88		1513.1							
11.9	OBS	00655	10.57	35.204	27.03		1503.5							
11.9	OBS	T00834	08.19											

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REFID 31 1779 YEAR 1970 BOTDP 04116 AIR TEMP 17.9 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 12 SHIP CC WET BULB 14.1 31 6 4 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 00.3N DAY 26 DATA USE 1 BAROMETR 1014.6 SEA WIND-FRG DURATION 2 SQUARE 48  
 LONG 048 00.3W HOUR 11.9 AREA 05 CLOUD T/A 677 CLZTR WEATHER XI ORIG E50 015 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	19.27	36.379	26.02		1521.7							
11.9	OBS	00023	19.25	36.375	26.02		1522.1							
11.9	OBS	00046	19.27	36.380	26.02		1522.5							
11.9	OBS	00068	19.28	36.377	26.02		1522.9							
11.9	OBS	00092	19.29	36.378	26.02		1523.3							
11.9	OBS	00137	17.60	36.467	26.50		1519.5							
11.9	OBS	T00183	17.33	36.433	26.55		1519.3							
11.9	OBS	00275	16.72	36.339	26.63		1516.8							
11.9	OBS	T00364	15.41	36.095	26.74		1512.0							
11.9	OBS	00455	13.77	35.822	26.88		1512.0							
11.9	OBS	T00545	12.14	35.560	27.01		1507.6							
11.9	OBS	00724	08.43	35.143	27.34		1496.6							
11.9	OBS	00904	06.48											
11.9	OBS	T01342	04.33	35.007	27.78		1490.3							

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REFID 31 1779 YEAR 1970 BOTDP 04312 AIR TEMP 19.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 12 SHIP CC WET BULB 16.7 31 4 4 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 01.2N DAY 27 DATA USE 1 BAROMETR 1017.0 SEA WIND-FRG DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 11.8 AREA 05 CLOUD T/A 877 CLZTR WEATHER XI ORIG E50 016 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	19.24	36.384	26.03		1521.7							
11.8	OBS	00025	19.20	36.376	26.04		1522.0							
11.8	OBS	00049	19.25	36.373	26.02		1522.5							
11.8	OBS	00075	19.13	36.447	26.15		1522.7							
11.8	OBS	00099	18.24	36.493	26.37		1520.6							
11.8	OBS	00150	17.79	36.494	26.45		1520.1							
11.8	OBS	T00200	17.34	36.463	26.57		1519.9							
11.8	OBS	00299	16.62	36.343	26.65		1516.9							
11.8	OBS	00397	14.56	36.111	26.94		1513.9							
11.8	OBS	00456		35.628										
11.8	OBS	00596	10.56	35.373	27.16		1502.7							
11.8	OBS	00794	07.51											
11.8	OBS	00991	05.54											
11.8	OBS	T01489	04.14	35.025	27.61		1492.4							

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TABLE XXIX.—Continued

REFID 31 1779 YEAR 1970 BOTDP 04314 AIR TEMP 19.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MCNTH 12 SHIP CC WET BULB 18.8 30 8 4 WIND-SPD 28 TRACE DIR 5 SQUARE 4  
 LAT 35 04.5N DAY 28 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00.5W HOUR 12.0 AREA 05 CLCUD T/A 6/B CL/TR WEATHER X2 ORIG ESO 017 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
12.0	08S	00000	18.99	36.404	26.11		1521.0							
12.0	08S	00029	18.98	36.397	26.11		1521.4							
12.0	08S	00057	19.00	36.437	26.14		1522.0							
12.0	08S	00086	18.88	36.443	26.17		1522.1							
12.0	08S	00115	18.84	36.432	26.17		1522.5							
12.0	08S	00173	17.04	36.400	26.60		1518.2							
12.0	08S	T00230	16.65	36.346	26.65		1517.9							
12.0	08S	00346	15.62	36.152	26.74		1516.4							
12.0	08S	00461	10.95	35.712	27.36		1502.3							
12.0	08S	00576		35.444										
12.0	08S	T00691	08.42	35.166	27.36		1496.1							
12.0	08S	00922	05.68											

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REFID 31 1779 YEAR 1970 BOTDP 04349 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MCNTH 12 SHIP CC WET BULB 18.5 31 6 4 WIND-SPD 32 TRACE DIR 5 SQUARE 4  
 LAT 35 00.7N DAY 29 DATA USE 1 BAROMETR 1012.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 047 58.8W HOUR 11.8 AREA 05 CLCUD T/A 3/B CL/TR WEATHER X2 ORIG ESO 018 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PJ4	TOT P	NO2	NO3	SIG3	PH
11.8	08S	00000	19.17	36.313	26.00		1521.4							
11.8	08S	00025	19.16	36.313	26.00		1521.3							
11.8	08S	00050	19.20	36.312	26.05		1522.5							
11.8	08S	00075	19.19	36.334	26.01		1522.7							
11.8	08S	00099	17.75	36.384	26.41		1519.0							
11.8	08S	00150	16.99	36.365	26.56		1517.6							
11.8	08S	T00199	16.51	36.310	26.65		1516.9							
11.8	08S	00248	15.63	36.145	26.75		1515.7							
11.8	08S	T00396	13.88	35.801	26.85		1511.5							
11.8	08S	00496		35.616										
11.8	08S	00595	10.78	35.362	27.12		1505.4							
11.8	08S	00795	06.84	35.034	27.49		1491.0							
11.8	08S	00994	05.65											
11.8	08S	T01496	04.20	34.995	27.78		1482.5							

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REFID 31 1779 YEAR 1970 BOTDP 04369 AIR TEMP 18.2 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MCNTH 12 SHIP CC WET BULB 15.0 29 6 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 59.5N DAY 30 DATA USE 1 BAROMETR 1012.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.1 AREA 05 CLCUD T/A 6/B CL/TR WEATHER X1 ORIG ESO 019 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PO4	TOT P	NO2	NO3	SIG3	PH
12.1	08S	00000	18.80	36.308	26.05		1520.3							
12.1	08S	00022	18.78	36.313	26.10		1520.7							
12.1	08S	00044	18.82	36.307	26.08		1521.1							
12.1	08S	00066	18.62	36.303	26.08		1521.5							
12.1	08S	00087	18.95	36.402	26.12		1522.3							
12.1	08S	00131	17.19	36.358	26.53		1517.9							
12.1	08S	T00175	16.63	36.304	26.62		1516.9							
12.1	08S	00259	15.53	36.291	26.86		1514.9							
12.1	08S	00341		35.930										
12.1	08S	00424		35.753										
12.1	08S	T00506	12.18	35.608	27.04		1507.2							
12.1	08S	00671	08.87	35.165	27.29		1497.5							
12.1	08S	00840	06.27	35.016	27.55		1490.0							
12.1	08S	T01290	04.62	35.042	27.77		1490.9							

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REFID 31 1779 YEAR 1971 BOTDP 04345 AIR TEMP 18.4 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 01 SHIP CC WET BULB 14.3 79 0 4 WIND-SPD 20 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1018.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.0 AREA 05 CLCUD T/A 6/B CL/TR WEATHER X1 ORIG ESO 020 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PO4	TOT P	NO2	NO3	SIG3	PH
12.0	08S	00000	18.80	36.353	26.12		1520.4							
12.0	08S	00024	18.76	36.358	26.14		1520.7							
12.0	08S	00045	18.73	36.381	26.16		1521.0							
12.0	08S	00068	18.77	36.393	26.16		1521.5							
12.0	08S	00092	17.55	36.384	26.46		1518.4							
12.0	08S	00137	16.74	36.322	26.61		1516.6							
12.0	08S	T00182	16.25	36.240	26.66		1515.8							
12.0	08S	00270	14.55	35.932	26.81		1511.5							
12.0	08S	T00359	13.92	35.836	26.87		1510.8							
12.0	08S	00453		35.686										
12.0	08S	00552	10.78	35.391	27.14		1502.8							
12.0	08S	00760	06.58	35.019	27.51		1489.9							
12.0	08S	T00975	05.08	34.981	27.67		1487.4							
12.0	08S	T01536	04.21	35.007	27.75		1453.3							

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TABLE XXIX.—Continued

REFID 31 1779	YEAR 1971	BOTOP 04403	AIR TEMP 18.8	OIR FGT FCR	WIND-OIR 24	INST NANSEN LAST	TEN SQ 1206
CONSEC 0021	MONTH 01	SHIP CC	WET MULR 16.2	24 7 3	WIND-SPD 28	TRACE OIR	5 SQUARE 4
LAT 35 00 N	DAY 02	DATA USE 1	BAROMETR 1014.1	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 59 W	HRUR 11.9	AREA 05	CLOUD T/A 677	CLTR	WEATHER XI	URIG E50 021	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	0BS	00000	18.70	36.349	26.15		1520.1							
11.9	0BS	00023	18.64	36.351	26.16		1520.3							
11.9	0BS	00045	18.68	36.356	26.16		1520.6							
11.9	0BS	00068	18.68	36.352	26.15		1521.2							
11.9	0BS	00091	17.14	36.374	26.55		1517.1							
11.9	0BS	00136	16.76	36.355	26.63		1516.7							
11.9	0BS	T00182	16.27	36.245	26.66		1516.9							
11.9	0BS	00273	14.87	35.972	26.77		1511.0							
11.9	0BS	00367		35.888										
11.9	0BS	00452	12.55	35.889	27.03		1507.6							
11.9	0BS	00557	11.25	35.451	27.10		1504.0							
11.9	0BS	00751	07.57	35.094	27.43		1493.7							
11.9	0BS	00949	05.37	35.028	27.67		1488.2							
11.9	0BS	T01468	04.26	35.022	27.60		1482.3							

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TABLE XXX.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 30 December 1970 - 22 January 1971, prepared from NODC listing No. 31 - 8248.

REFID 31 8248 YEAR 1971 BDTOP 04849 AIR TEMP 16.7 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0001 MONTH 01 SHIP EN WET BULB 15.9 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 04 DATA USE 1 BAROMETR 1009.6 SEA WIND-FDP DURATION 00.4 2 SQUARE 46  
 LONG 047 51 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E51 001 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TGT P	N02	N03	S103	PH
00.2	OBS	00000	18.75											
	OBS	00010	18.76											
	OBS	00020	18.76											
	OBS	00030	18.76											
	OBS	00050	18.73											
	OBS	00070	18.72											
	OBS	00075	18.56											
	OBS	00100	18.29											
	OBS	00125	17.21											
	OBS	00150	17.00											
	OBS	00200	16.35											
	OBS	00250	15.62											
	OBS	00300	15.06											
	OBS	00400	13.74											
	OBS	00500	11.99											
	OBS	00600	09.41											
	OBS	00700	08.00											
	OBS	00741	07.53											
	OBS	00762	07.54											
	OBS	00800	06.84											
	OBS	00900	06.27											
	OBS	00927	05.80											
	OBS	01000	05.47											
	OBS	01040	05.32											
	OBS	01050	05.07											
	OBS	01067	05.05											
	OBS	01074	05.14											
	OBS	01100	04.91											
	OBS	01118	05.08											
	OBS	01200	04.72											
	OBS	01270	04.40											
	OBS	01286	04.47											
	OBS	01300	04.31											
	OBS	01400	04.20											
	OBS	01500	04.04											

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REFID 31 8248 YEAR 1971 BDTOP 04814 AIR TEMP 16.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CCNSEC 0002 MONTH 01 SHIP EN WET BULB 15.6 WIND-SPD 25 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 04 DATA USE 1 BAROMETR 1009.6 SEA WIND-FDP DURATION 00.5 2 SQUARE 46  
 LONG 047 29 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E51 002 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TGT P	N02	N03	S103	PH
12.5	OBS	00000	19.03											
	OBS	00010	19.03											
	OBS	00020	19.03											
	OBS	00030	19.03											
	OBS	00050	19.04											
	OBS	00075	19.04											
	OBS	00092	19.04											
	OBS	00100	18.25											
	OBS	00125	17.02											
	OBS	00150	16.81											
	OBS	00200	16.06											
	OBS	00250	15.44											
	OBS	00300	14.61											
	OBS	00400	13.11											
	OBS	00440	12.59											
	OBS	00500	11.23											
	OBS	00580	09.58											
	OBS	00600	08.88											
	OBS	00700	06.90											
	OBS	00800	05.92											
	OBS	00900	05.76											
	OBS	00927	05.66											
	OBS	00932	05.37											
	OBS	00950	05.64											
	OBS	01000	05.31											
	OBS	01070	05.04											
	OBS	01033	05.14											
	OBS	01040	04.88											
	OBS	01100	04.82											
	OBS	01130	04.60											
	OBS	01200	04.51											
	OBS	01300	04.39											
	OBS	01400	04.26											
	OBS	01500	04.16											

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TABLE XXX.—Continued

REF ID: A1 8248 YEAR 1971 BOTOP 04607 AIR TEMP 15.2 DIR HGT PER WIND-DIR 35 INST STD RECORDER TEN SU 1206  
 COURSE 0003 MONTH 01 SHIP EN WET BULB 13.2 31 3 4 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 06 N DAY 06 DATA USE 1 BAROMETR 1021.7 SEA WIND-FJR DURATION 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ES1 004 1 SQUARE 58

CASNOUMTIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNR VEL	OXYG	P14	TCT P	N02	N03	ST03	PH
00.1	BS	00000	18.39											
	BS	00010	18.40											
	BS	00020	18.40											
	BS	00030	18.40											
	BS	00040	18.40											
	BS	00075	18.37											
	BS	00090	18.37											
	BS	00100	18.00											
	BS	00125	16.99											
	BS	00150	16.76											
	BS	00200	16.48											
	BS	00250	15.48											
	BS	00300	14.26											
	BS	00400	13.05											
	BS	00500	11.36											
	BS	00600	08.92											
	BS	00700	07.01											
	BS	00800	05.79											
	BS	00872	05.23											
	BS	00900	05.17											
	BS	00935	05.09											
	BS	00940	04.94											
	BS	01000	04.84											
	BS	01100	04.62											
	BS	01200	04.47											
	BS	01300	04.24											
	BS	01400	04.15											
	BS	01500	04.06											

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REF ID: A1 8248 YEAR 1971 BOTOP 04667 AIR TEMP 16.7 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SU 1206  
 COURSE 0004 MONTH 01 SHIP EN WET BULB 13.6 31 3 4 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 48 N DAY 06 DATA USE 1 BAROMETR 1021.7 SEA WIND-FJR DURATION 00.4 2 SQUARE 48  
 LONG 048 22 W HOUR 13.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ES1 004 1 SQUARE 48

CASNOUMTIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNR VEL	OXYG	P04	TCT P	N02	N03	ST03	PH
13.4	BS	00000	18.34											
	BS	00010	18.34											
	BS	00020	18.34											
	BS	00030	18.34											
	BS	00050	18.34											
	BS	00075	18.34											
	BS	00083	18.34											
	BS	00100	17.36											
	BS	00125	16.84											
	BS	00150	16.71											
	BS	00200	16.52											
	BS	00250	15.88											
	BS	00300	15.14											
	BS	00400	13.35											
	BS	00460	11.70											
	BS	00500	11.21											
	BS	00600	09.51											
	BS	00650	08.73											
	BS	00700	07.51											
	BS	00800	06.37											
	BS	00900	05.49											
	BS	00925	05.37											
	BS	00947	05.95											
	BS	00968	05.90											
	BS	00983	05.50											
	BS	01000	05.60											
	BS	01050	05.19											
	BS	01084	05.13											
	BS	01100	05.30											
	BS	01200	05.17											
	BS	01300	04.90											
	BS	01400	04.57											
	BS	01480	04.36											

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTOP 04755	AIR TEMP 18.3	DIR HGT PER	WIND-DIP 25	INST STD RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 01	SHIP EN	WET BULB 16.3	25 4 2	WIND-SPD 19	TRACE DIR 0	5 SQUARE 2
LAT 34 58 N	DAY 07	DATA USE 1	BAROMETR 1016.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 07 W	HOOR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG ES1 005	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
00.0	DBS	00000	18.28											
	DBS	00010	18.28											
	DBS	00020	18.28											
	DBS	00030	18.28											
	DBS	00050	18.29											
	DBS	00075	18.29											
	DBS	00089	18.29											
	DBS	00100	17.70											
	DBS	00125	16.94											
	DBS	00150	16.75											
	DBS	00200	16.40											
	DBS	00250	15.84											
	DBS	00300	14.94											
	DBS	00400	13.50											
	DBS	00500	11.50											
	DBS	00600	09.55											
	DBS	00700	07.37											
	DBS	00800	06.15											
	DBS	00812	06.02											
	DBS	00832	06.46											
	DBS	00848	05.99											
	DBS	00900	05.66											
	DBS	00945	05.41											
	DBS	00960	05.53											
	DBS	01000	05.25											
	DBS	01100	04.90											
	DBS	01120	05.02											
	DBS	01168	04.80											
	DBS	01183	04.85											
	DBS	01195	04.78											
	DBS	01200	04.81											
	DBS	01300	04.43											
	DBS	01334	04.50											
	DBS	01400	04.26											
	DBS	01500	04.10											

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REFID 31 8248	YEAR 1971	BOTOP 04389	AIR TEMP 18.3	DIP HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 01	SHIP EN	WET BULB 17.2	26 3 4	WIND-SPD 15	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 08	DATA USE 1	BAROMETR 1011.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 54 W	HOOR 00.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG ES1 006	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
00.1	DBS	00000	18.43											
	DBS	00010	18.42											
	DBS	00020	18.42											
	DBS	00030	18.39											
	DBS	00050	18.36											
	DBS	00075	18.31											
	DBS	00100	17.59											
	DBS	00125	17.18											
	DBS	00150	17.10											
	DBS	00180	16.90											
	DBS	00200	16.50											
	DBS	00250	15.87											
	DBS	00300	15.16											
	DBS	00400	13.93											
	DBS	00448	13.36											
	DBS	00500	11.77											
	DBS	00600	09.72											
	DBS	00700	07.50											
	DBS	00800	06.09											
	DBS	00810	06.52											
	DBS	00818	06.18											
	DBS	00823	06.24											
	DBS	00840	06.20											
	DBS	00877	05.56											
	DBS	00900	05.73											
	DBS	01000	05.22											
	DBS	01047	05.17											
	DBS	01100	04.81											
	DBS	01200	04.47											
	DBS	01285	04.45											
	DBS	01300	04.33											
	DBS	01350	04.48											
	DBS	01400	04.35											
	DBS	01440	04.39											
	DBS	01500	04.33											

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TABLE XXX.—Continued

REFID 31 6248 YEAR 1971 BOTDP 05158 AIR TEMP 13.4 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 01 SHIP EN WET BULB 11.6 SEA 25 5 5 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 40 N DAY 10 DATA USE 1 BAROMETER 1017.6 WIND-FOR WIND-FOR 00.3 2 SQUARE 48  
 LONG 049 12 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG EST 007 1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.0	DBS	00000	17.87											
	DBS	00010	17.87											
	DBS	00020	17.87											
	DBS	00030	17.87											
	DBS	00050	17.89											
	DBS	00075	17.93											
	DBS	00100	17.96											
	DBS	00125	17.98											
	DBS	00150	18.10											
	DBS	00200	17.71											
	DBS	00250	17.38											
	DBS	00300	17.15											
	DBS	00352	17.00											
	DBS	00400	16.63											
	DBS	00500	15.02											
	DBS	00600	13.44											
	DBS	00700	10.60											
	DBS	00800	08.54											
	DBS	00900	06.30											
	DBS	01000	05.70											
	DBS	01018	05.62											
	DBS	01028	05.87											
	DBS	01048	05.88											
	DBS	01100	05.44											
	DBS	01200	04.77											
	DBS	01300	04.61											
	DBS	01400	04.38											
	DBS	01500	04.18											

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REFID 31 8248 YEAR 1971 BOTDP 04114 AIR TEMP 14.6 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 01 SHIP EN WET BULB 14.4 SEA 31 4 4 WIND-SPD 08 TRACE DIR 0 5 SQUARE 2  
 LAT 34 49 N DAY 11 DATA USE 1 BAROMETER 1009.5 WIND-FOR WIND-FOR 00.3 2 SQUARE 48  
 LONG 048 25 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG EST 008 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
00.3	DBS	00000	17.98											
	DBS	00010	17.98											
	DBS	00020	18.00											
	DBS	00030	18.02											
	DBS	00050	18.02											
	DBS	00075	18.03											
	DBS	00086	18.02											
	DBS	00100	15.92											
	DBS	00125	15.34											
	DBS	00150	15.06											
	DBS	00200	14.57											
	DBS	00250	14.22											
	DBS	00300	13.67											
	DBS	00400	12.04											
	DBS	00500	10.46											
	DBS	00600	08.82											
	DBS	00657	07.78											
	DBS	00700	07.53											
	DBS	00800	06.70											
	DBS	00850	06.40											
	DBS	00870	06.57											
	DBS	00900	06.04											
	DBS	01000	05.24											
	DBS	01100	04.79											
	DBS	01155	04.52											
	DBS	01200	04.49											
	DBS	01300	04.37											
	DBS	01325	04.48											
	DBS	01400	04.25											
	DBS	01405	04.18											
	DBS	01500	04.05											

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TABLE XXX.—Continued

REFID 31 4248 YEAF 1971 BCTDP 04594 AIR TEMP 14.4 DIP HGT PER WIND-01P 01 INST STO RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 01 SHIP FN WET BULB 14.4 01 4 SEA WIND-SPD 13 TRACE DIP 0 5 SQUARE 2  
 LAT 34 58 N DAY 11 DATA USE 1 BAROMETR 1013.4 SEA WIND-FPK DURATION 00.3 2 SQUARE 46  
 LONG 047 45 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E51 009 1 SQUARE 47

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIJ3	PH
12.1	URS	00000	18.00											
	URS	00010	18.00											
	URS	00020	18.01											
	URS	00030	18.01											
	URS	00050	18.02											
	URS	00075	18.02											
	URS	00090	18.02											
	URS	00100	17.65											
	URS	00105	17.01											
	URS	00125	16.76											
	URS	00150	16.51											
	URS	00200	15.63											
	URS	00210	15.73											
	URS	00250	14.94											
	URS	00300	14.33											
	URS	00350	13.57											
	URS	00400	13.08											
	URS	00450	11.67											
	URS	00500	11.11											
	URS	00600	09.37											
	URS	00700	07.50											
	URS	00800	06.15											
	URS	00850	05.84											
	URS	00900	05.84											
	URS	00920	05.64											
	URS	00945	05.42											
	URS	01000	05.24											
	URS	01100	04.73											
	URS	01200	04.47											
	URS	01300	04.35											
	URS	01400	04.35											
	URS	01455	04.15											
	URS	01500	04.15											

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REFID 31 8248 YEAF 1971 BCTDP 04572 AIR TEMP 16.3 DIP HGT PER WIND-01P 22 INST STO RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 01 SHIP FN WET BULB 14.4 22 1 2 WIND-SPD 05 TRACE 01R 0 5 SQUARE 4  
 LAT 35 02 N DAY 12 DATA USE 1 BAROMETR 1014.4 SEA WIND-FPK DURATION 00.3 2 SQUARE 48  
 LONG 048 26 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E51 010 1 SQUARE 58

CASNUM/TIME	LVL/TP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIJ3	PH
00.0	URS	00000	17.95											
	URS	00010	17.96											
	URS	00020	17.96											
	URS	00030	17.95											
	URS	00050	17.95											
	URS	00075	17.94											
	URS	00100	17.28											
	URS	00125	16.83											
	URS	00150	16.66											
	URS	00200	16.15											
	URS	00250	15.12											
	URS	00300	14.35											
	URS	00400	12.83											
	URS	00500	10.96											
	URS	00600	08.85											
	URS	00700	07.31											
	URS	00718	06.97											
	URS	00727	07.16											
	URS	00770	06.37											
	URS	00782	06.50											
	URS	00800	06.34											
	URS	00830	05.81											
	URS	00900	05.56											
	URS	01000	05.19											
	URS	01100	04.73											
	URS	01115	04.61											
	URS	01200	04.47											
	URS	01300	04.37											
	URS	01332	04.37											
	URS	01400	04.23											
	URS	01500	04.14											

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TABLE XXX.—Continued

REF ID 31 B248 YEAR 1971 HGTOP 04389 AIR TEMP 15.6 DIR HGT PER WIND-DIF 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 01 SHIP EN WET BULB 12.4 31 2 3 WIND-SPD 02 TRACE DIF 0 5 SQUARE 2  
 LAT 34 47 N DAY 13 DATA USE 1 BAROMETR 1017.3 SEA WIND-FGR DURATION 00.3 2 SQUARE 48  
 LONG 048 09 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG EST C11 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIU3	PH
00.2	OBS	00000	18.00											
	OBS	00010	17.99											
	OBS	00020	17.99											
	OBS	00030	17.99											
	OBS	00050	17.99											
	OBS	00075	18.01											
	OBS	00100	17.98											
	OBS	00125	16.83											
	OBS	00150	16.32											
	OBS	00200	15.67											
	OBS	00250	15.15											
	OBS	00300	14.47											
	OBS	00400	12.68											
	OBS	00435	12.23											
	OBS	00500	10.80											
	OBS	00600	08.98											
	OBS	00700	07.54											
	OBS	00710	07.35											
	OBS	00718	07.50											
	OBS	00800	06.13											
	OBS	00900	05.54											
	OBS	00955	05.39											
	OBS	01000	05.01											
	OBS	01038	04.76											
	OBS	01060	04.92											
	OBS	01100	04.59											
	OBS	01200	04.34											
	OBS	01300	04.25											
	OBS	01400	04.13											
	OBS	01500	03.97											

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REF ID 31 B248 YEAR 1971 HGTOP 04R26 AIR TEMP 16.2 DIR HGT PER WIND-DIF 24 INST STO RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 01 SHIP EN WET BULB 14.6 24 4 3 WIND-SPD 14 TRACE DIF 0 5 SQUARE 2  
 LAT 34 44 N DAY 13 DATA USE 1 BAROMETR 1015.4 SEA WIND-FGR DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG EST C12 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TGT P	NO2	NO3	SIU3	PH
12.0	OBS	00600	18.04											
	OBS	00010	18.05											
	OBS	00020	18.05											
	OBS	00030	18.05											
	OBS	00050	18.07											
	OBS	00075	18.01											
	OBS	00100	17.95											
	OBS	00125	16.86											
	OBS	00150	16.63											
	OBS	00200	15.88											
	OBS	00250	15.09											
	OBS	00300	14.35											
	OBS	00400	12.83											
	OBS	00500	11.03											
	OBS	00600	08.73											
	OBS	00700	07.00											
	OBS	00800	05.70											
	OBS	00813	06.13											
	OBS	00849	05.63											
	OBS	00900	05.51											
	OBS	00980	05.28											
	OBS	00985	05.40											
	OBS	01000	05.36											
	OBS	01100	04.76											
	OBS	01145	04.54											
	OBS	01200	04.52											
	OBS	01232	04.53											
	OBS	01300	04.32											
	OBS	01400	04.16											
	OBS	01500	04.08											

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TABLE XXX.—Continued

REFID 31 8248	YEAR 1971	BOTOP 04413	AIR TEMP 17.1	DIF HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0013	MONTH 01	SHIP EN	WET BULB 14.1	25 4 3	WIND-SPD 23	TRACE DIR 0	5 SQUARE 2
LAT 34 57 N	DAY 14	DATA USE 1	BAROMETR 1017.4	SEA	WIND-FIF	DURATION 00.3	2 SQUARE 48
LONG 048 01 W	HOU- 00.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG EST 013	1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SHD VEL	DRYG	PC4	TOT P	NO2	NO3	S103	PH
00.4	OBS	00000	18.44											
	OBS	00010	18.45											
	OBS	00020	18.46											
	OBS	00030	18.46											
	OBS	00050	18.46											
	OBS	00075	18.47											
	OBS	00100	18.46											
	OBS	00125	17.16											
	OBS	00150	16.76											
	OBS	00200	16.18											
	OBS	00250	15.36											
	OBS	00300	14.67											
	OBS	00400	12.89											
	OBS	00500	10.18											
	OBS	00600	08.41											
	OBS	00700	06.73											
	OBS	00732	06.57											
	OBS	00760	06.83											
	OBS	00800	06.11											
	OBS	00835	05.92											
	OBS	00843	06.02											
	OBS	00900	05.41											
	OBS	00905	05.55											
	OBS	00920	05.32											
	OBS	00931	05.40											
	OBS	00985	05.29											
	OBS	01000	05.07											
	OBS	01035	04.77											
	OBS	01090	04.76											
	OBS	01100	04.91											
	OBS	01120	04.75											
	OBS	01200	04.60											
	OBS	01250	04.40											
	OBS	01300	04.34											
	OBS	01400	04.13											
	OBS	01500	04.01											

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REFID 31 8248	YEAR 1971	BOTOP 02177	AIR TEMP 14.7	DIF HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1206
CONSEC 0014	MONTH 01	SHIP EN	WET BULB 11.7	30 4 5	WIND-SPD 23	TRACE DIR 0	5 SQUARE 4
LAT 35 07 N	DAY 14	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FIF	DURATION 00.4	2 SQUARE 48
LONG 048 03 W	HOU- 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG EST 014	1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SHD VEL	DRYG	PC4	TOT P	NO2	NO3	S103	PH
12.2	OBS	00000	18.01											
	OBS	00010	18.01											
	OBS	00020	17.98											
	OBS	00030	17.97											
	OBS	00050	17.95											
	OBS	00075	17.92											
	OBS	00100	17.88											
	OBS	00125	16.96											
	OBS	00150	16.63											
	OBS	00200	15.95											
	OBS	00250	15.26											
	OBS	00300	14.55											
	OBS	00400	13.29											
	OBS	00500	11.45											
	OBS	00700	07.12											
	OBS	00800	05.77											
	OBS	00837	05.39											
	OBS	00900	05.23											
	OBS	01000	05.19											
	OBS	01030	05.16											
	OBS	01045	05.01											
	OBS	01090	05.04											
	OBS	01100	04.90											
	OBS	01122	05.07											
	OBS	01200	04.83											
	OBS	01223	04.67											
	OBS	01300	04.67											
	OBS	01400	04.38											
	OBS	01500	04.07											

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TABLE XXX.—Continued

REFID 31 8248 YEAR 1971 BOTOP 0466J AIR TEMP 18.3 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 01 SHIP EN WET BULB 11.4 27 5 5 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 15 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR 00.2 2 SQUARE 49  
 LONG 048 00 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E51 C15 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
00.1	DBS	00000	18.34											
	DBS	00010	18.34											
	DBS	00020	18.34											
	DBS	00030	18.34											
	DBS	00050	18.31											
	DBS	00075	18.12											
	DBS	00100	18.02											
	DBS	00125	17.03											
	DBS	00150	16.77											
	DBS	00200	16.14											
	DBS	00250	15.52											
	DBS	00300	14.61											
	DBS	00400	13.02											
	DBS	00500	10.90											
	DBS	00600	08.80											
	DBS	00700	07.27											
	DBS	00800	05.63											
	DBS	00850	05.31											
	DBS	00900	05.11											
	DBS	00930	05.12											
	DBS	01000	04.81											
	DBS	01100	04.59											
	DBS	01200	04.38											
	DBS	01300	04.20											
	DBS	01400	04.17											
	DBS	01425	04.26											
	DBS	01500	04.15											

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REFID 31 8248 YEAR 1971 BOTOP 04898 AIR TEMP 17.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 01 SHIP EN WET BULB 15.4 28 7 5 WIND-SPD 23 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 17 DATA USE 1 BAROMETR SEA WIND-FOR 00.3 2 SQUARE 46  
 LONG 047 13 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E51 C16 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
12.0	DBS	00000	18.12											
	DBS	00010	18.12											
	DBS	00020	18.12											
	DBS	00030	18.12											
	DBS	00050	18.10											
	DBS	00075	18.05											
	DBS	00100	17.50											
	DBS	00125	16.83											
	DBS	00150	16.67											
	DBS	00200	16.16											
	DBS	00250	15.50											
	DBS	00300	14.88											
	DBS	00400	13.11											
	DBS	00440	12.54											
	DBS	00500	11.20											
	DBS	00600	09.13											
	DBS	00635	08.75											
	DBS	00700	07.02											
	DBS	00800	06.14											
	DBS	00855	05.89											
	DBS	00900	05.32											
	DBS	00912	05.42											
	DBS	00940	05.45											
	DBS	01000	05.03											
	DBS	01045	04.77											
	DBS	01100	04.65											
	DBS	01200	04.48											
	DBS	01300	04.37											
	DBS	01400	04.21											
	DBS	01500	04.09											

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TABLE XXX.--Continued

REFID 31 8248 YEAR 1971 BOTDP 04878 AIR TEMP 16.8 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 01 SHIP EN WET BULB 12.4 27 6 e WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 48 N DAY 18 DATA USE 1 BAROMETR 1009.6 SEA WIND-FRK DURATION 03.3 2 SQUARE 46  
 LONG 047 37 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER XL CFTS ESI DIR 1 SQUARE 47

CASNUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	GYNDRTH	SND VEL	CHYG	PD4	TOT P	NO2	NO3	SI03	PH
	00.0	0BS	00000	18.01										
		0BS	00010	18.00										
		0BS	00020	18.00										
		0BS	00030	17.99										
		0BS	00050	17.99										
		0BS	00075	17.98										
		0BS	00100	17.98										
		0BS	00125	17.99										
		0BS	00150	18.02										
		0BS	00200	18.00										
		0BS	00250	18.00										
		0BS	00300	18.57										
		0BS	00400	12.71										
		0BS	00500	10.55										
		0BS	00600	08.69										
		0BS	00670	07.00										
		0BS	00700	06.83										
		0BS	00800	05.84										
		0BS	00900	05.22										
		0BS	00920	05.45										
		0BS	01000	04.92										
		0BS	01025	05.24										
		0BS	01060	04.79										
		0BS	01100	04.68										
		0BS	01200	04.66										
		0BS	01250	04.50										
		0BS	01300	04.80										
		0BS	01325	04.21										
		0BS	01335	04.32										
		0BS	01360	04.10										
		0BS	01400	04.27										
		0BS	01420	04.00										
		0BS	01500	03.96										

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REFID 31 8048 YEAR 1971 BOTDP 04770 AIR TEMP 16.8 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 01 SHIP EN WET BULB 12.4 28 5 n WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 46 N DAY 18 DATA USE 1 BAROMETR 1009.6 SEA WIND-FRK DURATION 03.3 2 SQUARE 46  
 LONG 047 20 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER XL CFTS ESI DIR 1 SQUARE 47

CASNUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	GYNDRTH	SND VEL	CHYG	PD4	TOT P	NO2	NO3	SI03	PH
	12.0	0BS	00000	17.91										
		0BS	00010	17.91										
		0BS	00020	17.91										
		0BS	00030	17.91										
		0BS	00050	17.91										
		0BS	00075	17.91										
		0BS	00100	17.91										
		0BS	00125	17.06										
		0BS	00150	16.93										
		0BS	00200	16.43										
		0BS	00250	15.64										
		0BS	00300	15.02										
		0BS	00400	13.63										
		0BS	00500	11.77										
		0BS	00600	09.54										
		0BS	00700	07.57										
		0BS	00790	06.19										
		0BS	00800	06.22										
		0BS	00805	06.45										
		0BS	00900	05.32										
		0BS	00915	05.27										
		0BS	00968	05.52										
		0BS	01000	05.42										
		0BS	01070	04.77										
		0BS	01100	04.84										
		0BS	01150	04.53										
		0BS	01200	04.47										
		0BS	01300	04.44										
		0BS	01400	04.28										
		0BS	01500	04.11										

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TABLE XXXI.—Observed and interpolated oceanographic data for stations taken by USCGC INGHAM at Ocean Station ECHO, 22 January 1971 - 12 February 1971, prepared from NODC listing No. 31 - 1806.

REFID 31 1866 YEAR 1971 BOTDP 04252 AIR TEMP 16.6 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 01 SHIP IN WET BULB 12.3 26 5 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 32.0N DAY 25 DATA USE 1 BAROMETR 1026.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 53.0W HOUR 13.4 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER XL WIND-FOR 41 ORIG E52 001 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	P04	TGT P	NO2	NO3	S103	PH
13.4	08S	00000	17.89	36.382	26.37		1517.8	05.32						
13.4	08S	00024	17.86	36.382	26.38		1518.1	05.42						
13.4	08S	00048	17.86	36.383	26.38		1518.2	05.29						
13.4	08S	00072	17.81	36.384	26.40		1518.8	05.23						
13.4	08S	00097	17.81	36.386	26.40		1519.2	05.27						
13.4	08S	00145	17.68	36.338	26.35		1519.5	05.20						
13.4	08S	T00193	16.64	36.343	26.65		1517.3	04.78						
13.4	08S	00288	14.90	36.012	26.75		1513.0	04.43						
13.4	08S	T00382	13.96	35.864	26.88		1511.4	04.51						
13.4	08S	00477	12.19	35.577	27.02		1506.7	03.80						
13.4	08S	00571	10.23	35.346	27.20		1501.0	03.69						
13.4	08S	T00761	07.17	35.089	27.45		1492.4	04.24						
13.4	08S	T00954	05.19	34.942	27.63		1487.5							
13.4	08S	T01446	04.13	34.995	27.75		1491.4	05.96						

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REFID 31 1806 YEAR 1971 BOTDP 04803 AIR TEMP 18.1 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 01 SHIP IN WET BULB 16.8 31 3 4 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 47.0N DAY 27 DATA USE 1 BAROMETR 1026.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 30.0W HOUR 14.8 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER XL WIND-FOR 41 ORIG E52 002 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	P04	TGT P	NO2	NO3	S103	PH
14.8	08S	C0000	17.84	36.387	26.35		1517.7							
14.8	08S	00021	17.78	36.386	26.40		1517.9	05.30						
14.8	08S	00043	17.75	36.381	26.41		1518.1	05.24						
14.8	08S	00064	17.73	36.385	26.42		1518.4	05.26						
14.8	08S	00087	17.70	36.398	26.43		1518.7	05.24						
14.8	08S	00124	17.71	36.401	26.43		1519.4	05.23						
14.8	08S	T00171	17.25	36.360	26.51		1518.7	04.97						
14.8	08S	00256	15.21	36.064	26.76		1513.6	04.53						
14.8	08S	T00338	13.87	35.840	26.88		1510.3	04.50						
14.8	08S	00420	12.67	35.659	26.95		1507.5	04.21						
14.8	08S	00501	11.75	35.526	27.06		1505.3	03.77						
14.8	08S	00664		35.215				03.72						
14.8	08S	00827	06.38	35.051	27.56		1490.3	04.40						
14.8	08S	T01139	04.60	35.037	27.77		1489.9	05.69						

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REFID 31 1806 YEAR 1971 BOTDP 03104 AIR TEMP 14.0 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 01 SHIP IN WET BULB 16.0 25 4 6 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 27.0N DAY 30 DATA USE 1 BAROMETR 1024.8 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54.0W HOUR 12.9 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER XL WIND-FOR 41 ORIG E52 003 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	P04	TGT P	NO2	NO3	S103	PH
12.9	08S	00000	17.72	36.365	26.40		1517.3							
12.9	08S	00024	17.70	36.364	26.41		1517.7							
12.9	08S	00043	17.71	36.392	26.42		1518.1							
12.9	08S	00071	17.68	36.394	26.43		1518.4							
12.9	08S	00096	17.70	36.393	26.43		1518.7							
12.9	08S	00145	17.66	36.388	26.44		1519.5							
12.9	08S	T00140	16.06	36.210	26.66		1513.3							
12.9	08S	00285	14.31	35.896	26.87		1511.0							
12.9	08S	T00374	12.83	35.672	26.97		1507.0							
12.9	08S	00471	11.38	35.482	27.10		1501.7							
12.9	08S	00562	09.59	35.281	27.22		1497.4							
12.9	08S	T00746	06.50	35.047	27.34		1492.4							
12.9	08S	T00432	05.47	35.076	27.77		1487.4							
12.9	08S	T01414	04.41	35.008	27.77		1491.1							

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TABLE XXXI.—Continued

REFID 31 1806 YEAR 1971 BOTOP 03517 AIR TEMP 18.9 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 01 SHIP IN WET BULB 17.0 28 4 5 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 25.0N DAY 31 DATA USE 1 BAROMETR 1031.5 SEA WIND-FOR 0 DURATION 2 SQUARE 46  
 LONG 047 52.0W HOUR 11.6 AREA C5 CLGUD T/A 8/5 CL/TR WEATHER X1 ORIG E52 004 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PO4	TCT P	NO2	NO3	SI03	PH
11.6	08S	00000	17.93	36.285	26.29		1517.8	05.02						
11.6	08S	00027	17.90	36.297	26.31		1518.2	05.33						
11.6	08S	00053	17.89	36.317	26.32		1518.6							
11.6	08S	00080	17.94	36.322	26.32		1519.2	05.26						
11.6	08S	00106	17.93					05.24						
11.6	08S	00159	16.65	36.266	26.59		1516.0							
11.6	08S	T00212	15.86	36.121	26.66		1514.9	04.57						
11.6	08S	00316	14.42	35.877	26.75		1511.8							
11.6	08S	T00420	12.73	35.603	26.93		1507.6	04.19						
11.6	08S	00524	11.04					03.70						
11.6	08S	00627	08.17	35.083	27.33		1494.0	03.81						
11.6	08S	T00832	06.01	35.050	27.61		1488.4	04.90						
11.6	08S	T01036	04.73	34.982	27.71		1487.0	05.66						
11.6	08S	T01554	03.99	34.966	27.78		1492.6	05.99						

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REFID 31 1806 YEAR 1971 BOTOP 04157 AIR TEMP 18.3 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 02 SHIP IN WET BULB 17.3 29 3 4 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 32.0N DAY 02 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR 0 DURATION 2 SQUARE 48  
 LONG 048 11.0W HOUR 12.0 AREA 05 CLGUD T/A 0/1 CL/TR WEATHER X1 ORIG E52 005 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.0	08S	00000	17.91	36.364	26.36		1517.9	05.51						
12.0	08S	00027	17.89	36.355	26.35		1518.2	05.27						
12.0	08S	00053	17.89	36.357	26.36		1518.7	05.45						
12.0	08S	00080	17.86	36.358	26.36		1519.0	05.40						
12.0	08S	00106	17.86	36.367	26.37		1519.5	05.17						
12.0	08S	00161	16.88	36.358	26.60		1517.5							
12.0	08S	T00214	16.27	36.269	26.68		1516.4	04.66						
12.0	08S	00320	14.76	35.978	26.80		1513.1	04.29						
12.0	08S	T00426	13.49	35.770	26.91		1510.4	04.40						
12.0	08S	00533	11.66	35.511	27.07		1505.7	03.80						
12.0	08S	00640	09.22	35.212	27.27		1498.3	03.45						
12.0	08S	T00854	06.48	35.160	27.44		1491.3							
12.0	08S	T01070	04.80	35.017	27.73		1487.3	05.55						
12.0	08S	T01616	03.96	34.995	27.81		1493.5	05.98						

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REFID 31 1806 YEAR 1971 BOTOP 04731 AIR TEMP 16.4 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP IN WET BULB 16.5 31 5 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 53.0N DAY 07 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR 0 DURATION 2 SQUARE 48  
 LONG 048 04.0W HOUR 11.8 AREA 05 CLGUD T/A 8/3 CL/TR WEATHER X1 ORIG E52 006 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	UXYG	PO4	TCT P	NO2	NO3	SI03	PH
11.8	08S	00000	17.20	36.332	26.51		1515.0	05.57						
11.8	08S	00026	17.20	36.324	26.50		1516.2	05.19						
11.8	08S	00053	17.20	36.325	26.50		1516.6	05.20						
11.8	08S	00079	17.21	36.318	26.49		1517.1	05.33						
11.8	08S	00105	17.23	36.321	26.49		1517.5	05.20						
11.8	08S	00157	17.18	36.397	26.56		1518.3	04.65						
11.8	08S	T00209	16.50	36.308	26.65		1517.1	04.75						
11.8	08S	00312	14.35	35.906	26.83		1511.3	03.96						
11.8	08S	T00414	12.88	35.677	26.96		1506.1	04.23						
11.8	08S	00517	11.06	35.433	27.12		1503.2	03.73						
11.8	08S	00618	08.84	35.191	27.31		1496.5	03.64						
11.8	08S	T00821	06.65	35.165	27.62		1491.4	04.64						
11.8	08S	T01024	05.24	35.081	27.73		1488.0	05.56						
11.8	08S	T01532	04.01	34.997	27.80		1492.3	06.01						
14.4	08S	T02058	03.51	34.999	27.66		1499.1	05.96						
14.4	08S	T02573	03.11	34.960	27.86		1506.2	05.78						
14.4	08S	03093	02.70	34.940	27.69		1513.4	05.70						
14.4	08S	T03608	01.88	34.916	27.94		1518.9	05.78						

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TABLE XXXI.—Continued

REFID 31 1806 YEAR 1971 BOTDP 04846 AIR TEMP 15.7 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 02 SHIP IN WET BULB 12.1 05 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 47.0N DAY 08 DATA USE 1 BAROMETR 1032.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 046 08.0W HOUR 11.8 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E52 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DRYG	PC4	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	17.21	36.344	26.51		1513.8	05.47						
11.8	OBS	00025	17.21	36.344	26.51		1516.2	05.33						
11.8	OBS	00051	17.21	36.342	26.51		1516.6	05.37						
11.8	OBS	00076	17.19	36.338	26.51		1517.0	05.21						
11.8	OBS	00102	17.16	36.341	26.52		1517.4	05.38						
11.8	OBS	00152	17.26	36.351	26.51		1518.4	05.07						
11.8	OBS	T00203	16.60	36.311	26.63		1517.3	04.94						
11.8	OBS	00305	15.28	36.062	26.75		1514.6	04.34						
11.8	OBS	T00406	13.17	35.713	26.93		1509.0	03.83						
11.8	OBS	00508	10.83	35.499	27.14		1502.2	03.60						
11.8	OBS	00610	08.71	35.162	27.31		1495.8	03.57						
11.8	OBS	T00813	06.60	35.156	27.62		1491.1	04.02						
11.8	OBS	T01018	05.14	35.055	27.72		1488.3	05.34						
11.8	OBS	T01526	03.58	34.951	27.80		1492.1	05.93						

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REFID 31 1806 YEAR 1971 BOTDP 04834 AIR TEMP 16.9 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 02 SHIP IN WET BULB 14.5 29 4 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 47.0N DAY 09 DATA USE 1 BAROMETR 1033.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14.0W HOUR 11.9 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E52 008 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DRYG	PC4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	17.41	36.354	26.47		1516.4	05.31						
11.9	OBS	00023	17.39	36.353	26.48		1516.7	05.25						
11.9	OBS	00045	17.39	36.347	26.47		1517.1	05.31						
11.9	OBS	00068	17.30	36.307	26.46		1517.1	05.04						
11.9	OBS	00090	17.29	36.323	26.48		1517.5	05.09						
11.9	OBS	00136	17.25	36.377	26.53		1518.2	04.91						
11.9	OBS	00180	16.66	36.316	26.62		1517.1	04.65						
11.9	OBS	00269	15.48	36.103	26.73		1514.7	03.90Q						
11.9	OBS	T00358	14.02	35.858	26.86		1511.2	04.43Q						
11.9	OBS	00448	12.25	35.586	27.01		1506.4	03.69						
11.9	OBS	00538	10.45	35.348	27.16		1501.3	03.57						
11.9	OBS	T00720	08.76	35.045	27.51		1490.0	04.18						
11.9	OBS	00912	05.63	35.116	27.71		1488.8	04.98						
11.9	OBS	T01424	04.12	34.598	27.79		1491.0	05.73						

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REFID 31 1806 YEAR 1971 BOTDP 02909 AIR TEMP 17.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 02 SHIP IN WET BULB 14.3 11 5 5 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 49.6N DAY 10 DATA USE 1 BAROMETR 1032.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 22.0W HOUR 12.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X2 ORIG E52 009 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DRYG	PC4	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	17.56	36.386	26.46		1516.9							
12.1	OBS	00027	17.59	36.384	26.45		1517.4	05.19						
12.1	OBS	00054	17.54	36.346	26.43		1517.7							
12.1	OBS	00082	17.40	36.346	26.47		1517.7	05.16						
12.1	OBS	00110	17.36	36.371	26.50		1518.1							
12.1	OBS	00165	16.92	36.266	26.52		1517.5	04.63						
12.1	OBS	00220	16.34	36.216	26.62		1516.6	04.60						
12.1	OBS	00331	14.67	35.961	26.80		1512.9	04.40						
12.1	OBS	T00440	12.84	35.672	26.96		1508.4	04.17						
12.1	OBS	00550	10.47	35.365	27.17		1501.6	03.65						
12.1	OBS	00660	08.24	35.144	27.37		1494.9	03.60						
12.1	OBS	T00881	05.92	35.123	27.66		1489.4	05.01						
12.1	OBS	T01110	04.73	35.037	27.76		1488.3	05.62						
12.1	OBS	T01713	03.83	34.998	27.82		1494.6	05.57						

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REFID 31 1806 YEAR 1971 BOTDP 04442 AIR TEMP 17.6 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 02 SHIP IN WET BULB 16.6 11 4 4 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 58.0N DAY 11 DATA USE 1 BAROMETR 1030.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 18.0W HOUR 10.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X2 ORIG E52 010 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DRYG	PC4	TOT P	NO2	NO3	SI03	PH
10.1	OBS	00009	17.57	36.385	26.46		1516.9	05.20						
10.1	OBS	00028	17.54	36.387	26.46		1517.3	05.26						
10.1	OBS	00055	17.55	36.379	26.46		1517.7	05.35						
10.1	OBS	00082	17.56	36.379	26.45		1518.2	05.36						
10.1	OBS	00110	17.56	36.384	26.46		1518.7	05.28						
10.1	OBS	00164	16.72	36.231	26.54		1516.9	04.73						
10.1	OBS	T00218	16.06	36.200	26.67		1515.7	04.74						
10.1	OBS	00327	14.45	35.726	26.82		1512.1	04.34						
10.1	OBS	T00435	12.21					03.71						
10.1	OBS	00544	09.86	35.283	27.22		1499.2	03.57						
10.1	OBS	00653	07.67	35.146	27.43		1493.4	03.94						
10.1	OBS	T00872	05.84					05.12						
10.1	OBS	T01100	05.00	35.080	27.76		1489.3	05.60						
10.1	OBS	T01708	03.86	34.976	27.80		1494.7	06.04						

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TABLE XXXII.—Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station ECHO, 12 February 1971 - 7 March 1971, prepared from NODC listing No. 31 - 8256.

REFID 31 8256	YEAR 1971	BOTOP 04572	AIR TEMP 18.1	OIR HGT PER	WIND-DIP 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0001	MONTH 02	SHIP 06	WET BULB 17.3	13 1 2	WIND-SPD 10	TRACE DIP 0	5 SQUARE 2
LAT 34 54 N	DAY 16	DATA USE 1	BAROMETR 1023.6	SEA	WIND-FPK	DURATION 00.3	2 SQUARE 46
LONG 047 54 W	HOUR 00.0	AREA 05	CLGUD T/A	CL/TR	WEATHER X1	DRIG E53 001	1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
00.0	08S	0000	17.49	36.35	26.45		1516.6							
	08S	00010	17.49	36.35	26.45		1516.8							
	08S	00020	17.46	36.35	26.46		1516.9							
	08S	00030	17.35	36.36	26.49		1516.7							
	08S	00050	17.33	36.36	26.50		1517.0							
	08S	00075	17.32	36.37	26.51		1517.4							
	08S	00100	17.31	36.38	26.52		1517.8							
	08S	00125	17.28	36.38	26.52		1518.1							
	08S	00150	17.13	36.34	26.53		1518.0							
	08S	00175	16.68	36.30	26.61		1517.0							
	08S	00200	16.39	36.25	26.64		1516.5							
	08S	00250	15.63	36.11	26.70		1514.8							
	08S	00300	14.82	35.97	26.78		1512.9							
	08S	00400	12.66	35.66	26.99		1507.1							
	08S	00500	10.89	35.43	27.15		1502.3							
	08S	00600	09.55	35.27	27.26		1498.9							
	08S	00700	07.68	35.11	27.43		1493.4							
	08S	00730	07.23	35.08	27.47		1492.1							
	08S	00760	06.79	35.11	27.56		1490.9							
	08S	00773	06.96	35.19	27.59		1491.9							
	08S	00800	06.78	35.16	27.60		1491.6							
	08S	00810	06.63	35.17	27.62		1491.2							
	08S	00860	06.48	35.18	27.65		1491.4							
	08S	00868	06.31	35.18	27.68		1490.9							
	08S	00900	06.19	35.18	27.69		1490.9							
	08S	00918	06.16	35.18	27.69		1491.1							
	08S	00952	05.99	35.18	27.72		1491.0							
	08S	00972	05.55	35.12	27.73		1489.5							
	08S	01000	05.25	35.07	27.72		1488.6							
	08S	01050	05.00	35.07	27.75		1488.5							
	08S	01100	04.95	35.07	27.76		1489.1							
	08S	01200	04.77	35.08	27.79		1490.0							
	08S	01300	04.32	35.03	27.80		1489.8							
	08S	01400	04.19	35.02	27.80		1490.9							
	08S	01500	04.02	35.00	27.81		1491.8							

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REFID 31 8256	YEAR 1971	BOTOP 04498	AIR TEMP 19.0	OIR HGT PER	WIND-DIP 21	INST STD RECORDER	TEN SQ 1206
CONSEC 0002	MONTH 02	SHIP 06	WET BULB 17.8	21 3 2	WIND-SPD 17	TRACE OIR 0	5 SQUARE 2
LAT 34 54 N	DAY 16	DATA USE 1	BAROMETR 1023.0	SEA	WIND-FPK	DURATION 00.8	2 SQUARE 46
LONG 047 50 W	HOUR 11.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	DRIG E53 002	1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VFL	OXYG	P34	TOT P	NO2	NO3	S103	PH
11.9	08S	0000	17.72	36.36	26.42		1517.3							
	08S	00010	17.71	36.36	26.42		1517.5							
	08S	00020	17.68	36.38	26.42		1517.5							
	08S	00030	17.67	36.37	26.42		1517.7							
	08S	00050	17.50	36.36	26.45		1517.5							
	08S	00075	17.41	36.35	26.47		1517.6							
	08S	00100	17.40	36.35	26.47		1518.0							
	08S	00125	17.39	36.36	26.46		1518.4							
	08S	00150	17.41	36.38	26.49		1518.9							
	08S	00200	17.30	36.38	26.52		1519.4							
	08S	00250	16.48	36.27	26.63		1517.6							
	08S	00300	15.83	36.06	26.62		1516.2							
	08S	00400	14.22	35.88	26.84		1512.5							
	08S	00500	12.31	35.56	26.98		1507.4							
	08S	00600	10.20	35.29	27.16		1501.3							
	08S	00700	07.82	35.12	27.42		1493.9							
	08S	00780	06.34	35.00	27.53		1489.3							
	08S	00800	06.86	35.20	27.62		1491.9							
	08S	00900	06.27	35.18	27.66		1491.2							
	08S	01000	05.85	35.15	27.71		1491.2							
	08S	01100	05.16	35.09	27.75		1490.0							
	08S	01200	04.75	35.06	27.77		1489.9							
	08S	01300	04.47	35.04	27.74		1490.4							
	08S	01400	04.25	35.02	27.80		1491.2							
	08S	01500	04.13	35.01	27.80		1492.3							
	08S	01750	03.81	34.99	27.82		1495.2							
	08S	02000	03.65	34.98	27.83		1498.7							
	08S	02500	03.29	34.97	27.86		1505.7							
	08S	03000	02.93	34.94	27.87		1512.8							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BCTOP 03200 AIR TEMP 18.2 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 02 SHIP 06 WET BULB 17.6 WIND-SPO 20 TRACE DIR 0 5 SQUARE 4  
 LAT 35 09 N DAY 17 DATA USE 1 BAROMETR 1021.2 SEA WIND-FUR DURATION 00.2 2 SQUARE 46  
 LONG 047 51 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG ES3 003 1 SQUARE 57

LASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	17.74	36.37	26.40		1517.4							
	OBS	00010	17.73	36.37	26.40		1517.5							
	OBS	00020	17.73	36.36	26.41		1517.7							
	OBS	00030	17.68	36.37	26.42		1517.7							
	OBS	00050	17.50	36.35	26.45		1517.5							
	OBS	00075	17.41	36.34	26.46		1517.6							
	OBS	00100	17.43	36.37	26.48		1518.1							
	OBS	00125	17.37	36.37	26.49		1518.3							
	OBS	00150	17.33	36.36	26.50		1518.6							
	OBS	00200	17.01	36.36	26.57		1518.5							
	OBS	00250	16.36	36.26	26.65		1517.2							
	OBS	00300	15.72	36.15	26.71		1516.0							
	OBS	00400	13.97	35.83	26.85		1511.7							
	OBS	00500	12.31	35.61	27.02		1507.5							
	OBS	00600	10.22	35.32	27.18		1501.4							
	OBS	00700	07.94	35.13	27.40		1494.4							
	OBS	00800	07.19	35.18	27.55		1493.2							
	OBS	00900	06.08	35.11	27.65		1490.4							
	OBS	00970	05.75	35.08	27.67		1490.2							
	OBS	01000	05.35	35.06	27.72		1489.1							
	OBS	01050	05.25	35.06	27.71		1489.5							
	OBS	01100	04.93	35.06	27.75		1489.0							
	OBS	01200	04.66	35.04	27.77		1489.5							
	OBS	01300	04.34	35.04	27.80		1489.9							
	OBS	01400	04.19	35.01	27.80		1490.9							
	OBS	01500	04.03	35.01	27.81		1491.5							

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REFID 31 8256 YEAR 1971 BCTOP 04755 AIR TEMP 18.6 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 02 SHIP 06 WET BULB 17.5 WIND-SPO 26 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 17 DATA USE 1 BAROMETR 1016.0 SEA WIND-FUR DURATION 00.5 2 SQUARE 46  
 LONG 047 54 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ES3 004 1 SQUARE 47

LASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	17.76	36.37	26.40		1517.4							
	OBS	00010	17.72	36.37	26.41		1517.5							
	OBS	00020	17.72	36.37	26.41		1517.7							
	OBS	00030	17.72	36.37	26.41		1517.8							
	OBS	00050	17.72	36.38	26.42		1518.2							
	OBS	00075	17.66	36.39	26.44		1518.4							
	OBS	00100	17.55	36.39	26.46		1518.5							
	OBS	00125	17.55	36.39	26.46		1518.9							
	OBS	00150	17.55	36.40	26.47		1519.3							
	OBS	00200	16.75	36.33	26.61		1517.7							
	OBS	00250	16.04	36.21	26.65		1516.2							
	OBS	00300	15.61	36.07	26.68		1515.5							
	OBS	00400	14.11	35.87	26.85		1512.2							
	OBS	00500	12.40	35.60	27.00		1507.8							
	OBS	00600	10.05	35.32	27.21		1500.8							
	OBS	00700	07.72	35.08	27.40		1493.5							
	OBS	00720	07.10	35.07	27.48		1491.4							
	OBS	00740	07.44	35.18	27.52		1493.2							
	OBS	00800	06.85	35.19	27.61		1491.9							
	OBS	00900	06.26	35.18	27.68		1491.2							
	OBS	01000	05.60	35.13	27.73		1490.1							
	OBS	01100	05.13	35.11	27.77		1489.9							
	OBS	01200	04.68	35.06	27.78		1489.6							
	OBS	01300	04.35	35.03	27.79		1489.5							
	OBS	01400	04.15	35.01	27.80		1490.7							
	OBS	01500	03.99	35.00	27.81		1491.7							
	OBS	01750	03.86	35.01	27.83		1495.4							
	OBS	02000	03.70	35.00	27.84		1499.0							
	OBS	02500	03.26	34.97	27.86		1505.6							
	OBS	03000	03.00	34.95	27.87		1513.1							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTOP 04755 AIP TEMP 16.2 DIR HGT PER WIND-DIR 27 INST STO RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 02 SHIP DG WET BULB 14.8 WIND-SPD 23 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 18 DATA USE 1 BAROMETR 1012.4 SEA WIND-FDR DURATION 00.2 2 SQUARE 48  
 LONG 048 00 W HOUR 00.2 AREA 05 CLUD T/A CL/TP WEATHER X2 ORIG E53 005 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TCT P	N02	N03	S103	PH
00.2	OBS	00000	17.66	36.35	26.41		1517.1							
	OBS	00010	17.66	36.35	26.41		1517.3							
	OBS	00020	17.66	36.36	26.41		1517.5							
	OBS	00030	17.66	36.36	26.41		1517.6							
	OBS	00050	17.66	36.36	26.41		1516.0							
	OBS	00075	17.55	36.38	26.46		1518.1							
	OBS	00100	17.55	36.39	26.46		1518.5							
	OBS	00125	17.54	36.39	26.46		1518.9							
	OBS	00150	17.53	36.39	26.47		1519.3							
	OBS	00165	17.53	36.39	26.47		1519.5							
	OBS	00200	16.63	36.29	26.61		1517.3							
	OBS	00250	15.89	36.18	26.70		1515.7							
	OBS	00300	15.31	36.07	26.74		1514.6							
	OBS	00400	13.85	35.80	26.85		1511.2							
	OBS	00500	11.87	35.54	27.05		1505.9							
	OBS	00600	09.84	35.28	27.22		1500.0							
	OBS	00700	08.01	35.11	27.38		1494.6							
	OBS	00800	06.20	35.02	27.56		1489.1							
	OBS	00820	06.01	35.06	27.42		1488.7							
	OBS	00838	06.00	35.10	27.65		1485.0							
	OBS	00860	06.06	35.11	27.65		1489.6							
	OBS	00900	05.57	35.14	27.69		1490.0							
	OBS	01000	05.31	35.11	27.75		1489.0							
	OBS	01100	04.95	35.07	27.74		1489.1							
	OBS	01200	04.64	35.04	27.77		1489.4							
	OBS	01300	04.60	35.02	27.78		1490.1							
	OBS	01400	04.17	35.00	27.75		1490.3							
	OBS	01500	04.02	34.99	27.80		1491.3							

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REFID 31 8256 YEAR 1971 BOTOP 04938 AIP TEMP 13.8 DIR HGT PER WIND-DIR 31 INST STO RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP DG WET BULB 08.6 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 19 DATA USE 1 BAROMETR 1022.2 SEA WIND-FDR DURATION 00.2 2 SQUARE 46  
 LONG 047 57 W HOUR 00.1 AREA 05 CLUD T/A CL/TR WEATHER X1 ORIG E53 006 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TCT P	N02	N03	S103	PH
00.1	OBS	00000	17.55	36.37	26.45		1516.8							
	OBS	00010	17.55	36.37	26.45		1517.0							
	OBS	00020	17.56	36.37	26.45		1517.2							
	OBS	00030	17.56	36.37	26.45		1517.3							
	OBS	00050	17.56	36.37	26.45		1517.7							
	OBS	00075	17.57	36.38	26.45		1518.1							
	OBS	00100	17.55	36.38	26.46		1518.5							
	OBS	00125	17.44	36.35	26.46		1518.5							
	OBS	00150	17.39	36.38	26.50		1518.8							
	OBS	00200	16.51	36.30	26.65		1516.9							
	OBS	00250	16.06	36.18	26.66		1516.2							
	OBS	00300	15.38	36.10	26.75		1514.9							
	OBS	00400	13.81	35.83	26.89		1511.1							
	OBS	00500	12.06	35.55	27.02		1506.6							
	OBS	00600	09.65	35.26	27.23		1499.3							
	OBS	00700	07.95	35.17	27.43		1494.5							
	OBS	00800	06.35	35.04	27.56		1489.7							
	OBS	00840	06.01	35.11	27.66		1489.1							
	OBS	00860	06.14	35.13	27.66		1490.0							
	OBS	00880	06.11	35.16	27.65		1490.2							
	OBS	00900	05.98	35.14	27.69		1490.0							
	OBS	01000	05.32	35.10	27.74		1489.0							
	OBS	01100	04.78	35.06	27.77		1488.4							
	OBS	01200	04.51	35.04	27.78		1488.9							
	OBS	01300	04.26	35.01	27.79		1489.5							
	OBS	01400	04.10	34.99	27.79		1490.5							
	OBS	01500	03.95	34.98	27.80		1491.5							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTOP 03840 AIR TEMP 14.0 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SO 1206  
 CONSEC 0007 MONTH 02 SHIP DG WET RULR 11.2 25 2 2 WIND-SPD 24 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 20 DATA USE 1 BAROMETR 1012.1 SEA WIND-FDR DURATION 00.3 2 SQUARE 48  
 LONG 048 02 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E53 007 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PR4	TOT P	NO2	NO3	SIO3	PH
00.2	OBS	00000	17.49	36.36	26.46		1516.6							
	OBS	00010	17.49	36.36	26.46		1516.8							
	OBS	00020	17.49	36.37	26.46		1517.0							
	OBS	00030	17.50	36.37	26.46		1517.2							
	OBS	00050	17.51	36.37	26.46		1517.5							
	OBS	00075	17.51	36.37	26.46		1517.9							
	OBS	00100	17.51	36.38	26.47		1518.4							
	OBS	00125	17.50	36.38	26.47		1518.7							
	OBS	00150	17.49	36.38	26.47		1519.1							
	OBS	00200	16.59	36.27	26.60		1517.1							
	OBS	00250	16.24	36.25	26.67		1516.9							
	OBS	00300	15.41	36.08	26.73		1514.9							
	OBS	00400	14.10	35.90	26.88		1512.2							
	OBS	00500	11.96	35.55	27.04		1506.2							
	OBS	00600	09.98	35.28	27.19		1500.5							
	OBS	00700	08.17	35.17	27.40		1495.3							
	OBS	00600	06.84	35.11	27.55		1491.7							
	OBS	00900	06.37	35.18	27.67		1491.6							
	OBS	01000	05.63	35.12	27.72		1490.3							
	OBS	01100	04.95	35.09	27.77		1489.1							
	OBS	01200	04.90	35.11	27.80		1490.6							
	OBS	01300	04.67	35.08	27.80		1491.3							
	OBS	01400	04.26	35.01	27.79		1491.2							
	OBS	01500	04.08	34.99	27.79		1492.1							

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REFID 31 8256 YEAR 1971 BOTOP 04938 AIR TEMP 15.0 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SO 1206  
 CONSEC 0008 MONTH 02 SHIP DG WET RULR 11.2 02 3 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 22 DATA USE 1 BAROMETR 1012.2 SEA WIND-FDR DURATION 00.2 2 SQUARE 46  
 LONG 047 57 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG E53 008 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PR4	TCT P	NO2	NO3	SIO3	PH
00.0	OBS	00000	17.29	36.34	26.45		1516.0							
	OBS	00010	17.29	36.34	26.45		1516.2							
	OBS	00020	17.29	36.34	26.45		1516.4							
	OBS	00030	17.30	36.34	26.45		1516.5							
	OBS	00050	17.30	36.35	26.45		1516.9							
	OBS	00075	17.30	36.35	26.45		1517.3							
	OBS	00100	17.31	36.35	26.49		1517.7							
	OBS	00125	17.31	36.35	26.45		1518.1							
	OBS	00150	17.31	36.36	26.50		1518.6							
	OBS	00200	16.64	36.26	26.60		1517.3							
	OBS	00250	16.04	36.19	26.67		1516.2							
	OBS	00300	15.33	36.05	26.72		1514.6							
	OBS	00400	14.02	35.64	26.85		1511.8							
	OBS	00500	12.13	35.56	27.02		1506.8							
	OBS	00600	10.45	35.36	27.17		1502.3							
	OBS	00700	08.52	35.16	27.34		1496.0							
	OBS	00800	06.47	35.04	27.54		1490.2							
	OBS	00900	06.00	35.11	27.66		1490.1							
	OBS	01000	05.40	35.07	27.70		1486.3							
	OBS	01100	05.01	35.06	27.74		1486.3							
	OBS	01200	04.57	35.01	27.75		1486.1							
	OBS	01300	04.22	34.98	27.77		1486.3							
	OBS	01400	04.06	34.96	27.77		1490.3							
	OBS	01500	03.94	34.95	27.77		1491.4							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BDTOP 04572 AIR TEMP 15.5 DIR HGT PER WIND-DIR 09 INST STD RECORDER TEN SQ 1206  
 CDNSEC 0009 MONTH 03 SHIP 06 WET BULB 10.0 06 2 3 WIND-SPD 02 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 01 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 00.6 2 SQUARE 46  
 LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 009 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.0	OBS	0000	17.09	36.35	26.55		1515.4							
	OBS	0010	17.09	36.35	26.55		1515.6							
	OBS	0020	17.09	36.35	26.55		1515.8							
	OBS	0030	17.10	36.35	26.54		1516.0							
	OBS	0050	17.10	36.35	26.54		1516.3							
	OBS	0075	17.11	36.35	26.54		1516.7							
	OBS	0100	17.11	36.35	26.54		1517.1							
	OBS	0125	17.11	36.36	26.55		1517.6							
	OBS	0150	17.11	36.36	26.55		1518.0							
	OBS	0200	16.83	36.29	26.56		1517.9							
	OBS	0250	16.06	36.20	26.67		1516.3							
	OBS	0300	15.51	36.13	26.75		1515.3							
	OBS	0400	13.83	35.84	26.86		1511.2							
	OBS	0500	12.36	35.63	27.03		1507.7							
	OBS	0600	10.23	35.32	27.18		1501.5							
	OBS	0700	08.49	35.19	27.37		1496.5							
	OBS	0800	07.25	35.16	27.52		1493.6							
	OBS	0900	05.80	35.01	27.61		1489.1							
	OBS	0940	05.52	35.04	27.67		1488.7							
	OBS	0975	05.63	35.07	27.68		1488.6							
	OBS	1000	05.55	35.07	27.65		1489.9							
	OBS	1100	05.06	35.04	27.72		1489.5							
	OBS	1200	04.69	35.02	27.75		1489.6							
	OBS	1300	04.34	34.98	27.76		1489.8							
	OBS	1400	04.17	34.97	27.77		1490.8							
	OBS	1500	03.85	34.94	27.78		1491.1							
	OBS	01750	03.77	34.96	27.80		1495.0							
	OBS	02000	03.58	34.96	27.82		1498.4							
	OBS	02500	03.17	34.95	27.85		1505.2							
	OBS	03000	02.80	34.93	27.87		1512.2							

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REFID 31 8256 YEAR 1971 BDTOP 04389 AIR TEMP 15.6 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CDNSEC 0010 MONTH 03 SHIP 06 WET BULB 11.6 05 2 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 43 W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E53 010 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.9	OBS	0000	17.19	36.37	26.54		1515.8							
	OBS	0010	17.18	36.37	26.54		1515.9							
	OBS	0020	17.18	36.38	26.55		1516.1							
	OBS	0030	17.18	36.38	26.55		1516.2							
	OBS	0050	17.18	36.38	26.55		1516.6							
	OBS	0075	17.17	36.38	26.55		1516.9							
	OBS	0100	17.11	36.36	26.55		1517.2							
	OBS	0125	17.07	36.37	26.57		1517.5							
	OBS	0150	17.07	36.36	26.56		1517.9							
	OBS	0190	16.89	36.32	26.57		1517.9							
	OBS	0200	16.51	36.30	26.65		1516.9							
	OBS	0250	15.84	36.20	26.72		1515.6							
	OBS	0300	15.36	36.10	26.76		1514.8							
	OBS	0400	14.18	35.89	26.85		1512.4							
	OBS	0500	12.69	35.65	26.98		1508.8							
	OBS	0600	10.39	35.36	27.18		1502.1							
	OBS	0700	08.03	35.13	27.35		1494.7							
	OBS	0800	06.32	35.05	27.57		1489.6							
	OBS	0840	05.99	35.08	27.64		1489.0							
	OBS	0900	06.36	35.19	27.68		1491.6							
	OBS	1000	05.78	35.17	27.74		1490.9							
	OBS	1100	05.20	35.12	27.77		1490.2							
	OBS	1200	04.72	35.06	27.78		1489.8							
	OBS	1300	04.40	35.04	27.80		1490.1							
	OBS	1400	04.27	35.03	27.80		1491.2							
	OBS	1500	04.12	35.02	27.81		1492.3							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTDOP 04755 AIR TEMP 16.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 03 SHIP OG WET BULB 15.6 WIND-SPD 25 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 02 DATA USE 1 BAROMETR 1017.2 SEA WIND-FJR DURATION 00.5 2 SQUARE 46  
 LONG 047 58 W HOUR 12.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG E53 011 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VFL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.1	08S	0000	17.10	36.35	26.54		1515.5							
	08S	0010	17.10	36.35	26.54		1515.6							
	08S	0020	17.10	36.35	26.54		1515.8							
	08S	0030	17.11	36.35	26.54		1516.0							
	08S	0050	17.11	36.36	26.55		1516.3							
	08S	0075	17.11	36.36	26.55		1516.7							
	08S	0100	17.11	36.36	26.55		1517.2							
	08S	0125	17.12	36.37	26.55		1517.6							
	08S	0150	17.12	36.37	26.55		1518.0							
	08S	0200	16.55	36.31	26.64		1517.1							
	08S	0225	15.92	36.20	26.71		1515.8							
	08S	0300	15.02	36.03	26.78		1513.6							
	08S	0400	13.72	35.83	26.90		1510.8							
	08S	0500	12.57	35.61	26.97		1508.4							
	08S	0600	10.46	35.38	27.19		1502.4							
	08S	0700	09.03	35.24	27.32		1498.6							
	08S	0800	07.23	35.15	27.52		1493.3							
	08S	0840	06.79	35.14	27.58		1492.2							
	08S	0900	05.79	35.06	27.65		1489.2							
	08S	1000	05.47	35.11	27.73		1489.6							
	08S	1100	05.18	35.09	27.75		1490.1							
	08S	1200	04.63	35.04	27.77		1489.4							
	08S	1300	04.44	35.03	27.78		1490.3							
	08S	1400	04.16	35.00	27.79		1490.8							
	08S	1500	04.02	34.99	27.80		1491.8							
	08S	01750	03.80	34.97	27.80		1495.1							
	08S	02000	03.65	34.97	27.82		1458.7							
	08S	02500	03.28	34.96	27.85		1505.7							
	08S	03000	03.01	34.94	27.86		1513.1							

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REFID 31 8256 YEAR 1971 BOTDOP 04846 AIR TEMP 17.5 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 03 SHIP OG WET BULB 16.4 WIND-SPD 18 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 03 DATA USE 1 BAROMETR 1014.1 SEA WIND-FJR DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG E53 012 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.0	08S	0000	17.13	36.35	26.54		1515.6							
	08S	0010	17.13	36.33	26.52		1515.7							
	08S	0020	17.13	36.33	26.52		1515.9							
	08S	0030	17.12	36.35	26.54		1516.0							
	08S	0050	17.12	36.35	26.54		1516.4							
	08S	0075	17.12	36.35	26.54		1516.8							
	08S	0100	17.12	36.35	26.54		1517.2							
	08S	0125	17.12	36.35	26.54		1517.6							
	08S	0150	17.12	36.35	26.54		1518.0							
	08S	0200	17.12	36.35	26.54		1518.8							
	08S	0250	16.31	36.24	26.65		1517.1							
	08S	0300	15.57	36.11	26.72		1515.5							
	08S	0400	14.49	35.94	26.83		1513.5							
	08S	0500	12.86	35.69	26.97		1509.5							
	08S	0600	10.94	35.43	27.14		1504.2							
	08S	0700	09.12	35.22	27.29		1498.9							
	08S	0800	07.25	35.14	27.51		1493.4							
	08S	0900	06.03	35.07	27.62		1490.1							
	08S	1000	05.65	35.10	27.70		1490.3							
	08S	1100	05.10	35.07	27.74		1489.7							
	08S	1200	04.65	35.03	27.76		1489.5							
	08S	1300	04.40	35.01	27.77		1490.1							
	08S	1400	04.27	34.99	27.77		1491.2							
	08S	1500	04.06	34.98	27.79		1492.0							

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TABLE XXXII.—Continued

REFID 31 8256 YEAR 1971 BOTOP 05042 AIR TEMP 15.9 DIP HGT PER WIND-DIP 32 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 03 SHIP 06 WET BULB 12.6 26 2 3 WIND-SPO 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52.9N DAY 03 DATA USE 1 BAROMETR 1017.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 52.5W HOUR 12.2 AREA 05 CLUD 1/A CL/TP WEATHER X2 CRIG E53 013 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.2	085	0000	17.10	36.36	26.55		1515.5							
	085	0010	17.10	36.36	26.55		1515.7							
	085	0020	17.10	36.36	26.55		1515.8							
	085	0030	17.11	36.36	26.55		1516.0							
	085	0050	17.11	36.36	26.55		1516.3							
	085	0075	17.11	36.36	26.55		1516.7							
	085	00100	17.12	36.36	26.55		1517.2							
	085	00125	17.12	36.37	26.55		1517.6							
	085	00150	17.13	36.37	26.55		1518.0							
	085	00200	16.68	36.32	26.62		1517.5							
	085	00250	16.24	36.25	26.67		1516.9							
	085	00300	15.74	36.12	26.69		1516.0							
	085	00400	14.08	35.89	26.88		1512.1							
	085	00500	12.82	35.67	26.97		1509.3							
	085	00600	10.72	35.39	27.15		1503.3							
	085	00700	08.89	35.23	27.34		1498.1							
	085	00800	07.33	35.14	27.50		1493.7							
	085	00840	06.48	35.01	27.52		1490.8							
	085	00900	05.99	35.09	27.65		1490.0							
	085	00910	06.04	35.09	27.64		1490.4							
	085	01000	05.81	35.08	27.66		1490.9							
	085	01100	05.13	35.07	27.74		1489.8							
	085	01200	04.75	35.02	27.74		1489.9							
	085	01300	04.43	35.00	27.76		1490.2							
	085	01400	04.25	34.98	27.77		1491.1							
	085	01500	04.11	34.97	27.77		1492.2							
	085	01750	03.86	34.97	27.80		1495.4							
	085	02000	03.70	34.97	27.81		1498.9							
	085	02500	03.36	34.96	27.84		1506.0							
	085	03000	03.01	34.94	27.86		1513.1							

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REFID 31 8256 YEAR 1971 BOTOP 04846 AIR TEMP 16.4 DIP HGT PER WIND-DIP 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 03 SHIP 06 WET BULB 13.6 32 2 2 WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 03 DATA USE 1 BAROMETR 1017.7 SEA WIND-FOR DURATION 00.2 2 SQUARE 46  
 LONG 047 53 W HOUR 23.6 AREA 05 CLUD 1/A CL/TP WEATHER X1 CRIG E53 014 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
23.6	085	0000	17.16	36.36	26.54		1515.7							
	085	0010	17.16	36.36	26.54		1515.8							
	085	0020	17.16	36.36	26.54		1516.0							
	085	0030	17.15	36.36	26.54		1516.1							
	085	0050	17.16	36.37	26.54		1516.5							
	085	0075	17.16	36.37	26.54		1516.9							
	085	00100	17.16	36.37	26.54		1517.3							
	085	00125	17.16	36.37	26.54		1517.7							
	085	00150	17.16	36.37	26.54		1518.1							
	085	00190	17.05	36.37	26.57		1518.5							
	085	00200	16.76	36.33	26.61		1517.7							
	085	00250	16.34	36.26	26.65		1517.2							
	085	00300	15.81	36.16	26.70		1516.3							
	085	00400	14.45	35.91	26.81		1513.3							
	085	00500	12.89	35.71	26.98		1509.6							
	085	00600	10.87	35.43	27.15		1503.9							
	085	00700	08.94	35.21	27.31		1498.3							
	085	00800	06.86	35.07	27.51		1491.8							
	085	00820	06.55	35.11	27.59		1490.9							
	085	00840	06.81	35.15	27.58		1492.3							
	085	00900	06.17	35.15	27.67		1490.8							
	085	00915	06.22	35.15	27.66		1491.2							
	085	01000	05.87	35.15	27.71		1491.3							
	085	01100	05.22	35.10	27.75		1490.2							
	085	01200	04.80	35.06	27.77		1490.1							
	085	01300	04.41	35.03	27.79		1490.2							
	085	01400	04.26	35.01	27.79		1491.2							
	085	01500	04.12	35.01	27.80		1492.3							

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TABLE XXXII.—Continued

REF ID: A18258 YEAR: 1971 RC TDP: 04856 AIR TEMP: 15.1 DIR HGT PER: WIND-DIR: 02 INST STD RECORDER: TKN SQ: 1206  
 CONSFC: 0015 MONTH: 01 SHIP DG: WFT RDR: 15.0 WIND-SPD: 07 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 34 55 N DAY: 04 DATA USE: 1 BAROMETER: 1018.5 SEA: WIND-FOR: WIND-FOR: 00.0 2 SQUARE: 48  
 LONG: 048 00 W HORIZ: 12.2 AREA: 05 CLOUD TZA: CLZTR: WEATHER: 02 CRIG: 151 015 1 SQUARE: 48

CASINO/TIME	LEV	DEPTH	TEMP	SAL	SIGMA-T	SYNDPH	SNO VEL	DWV	PDA	TOT P	NO2	NO3	SI33	PH
12.2	085	00000	17.49	36.15	26.45		1516.8							
	085	00010	17.49	36.15	26.45		1516.8							
	085	00020	17.49	36.16	26.46		1517.0							
	085	00030	17.50	36.16	26.45		1517.2							
	085	00050	17.50	36.16	26.45		1517.5							
	085	00175	17.51	36.16	26.45		1517.9							
	085	00350	17.54	36.17	26.45		1518.1							
	085	01100	17.23	36.18	26.50		1517.5							
	085	00125	17.19	36.18	26.51		1517.6							
	085	00150	17.18	36.15	26.52		1518.2							
	085	00200	17.15	36.15	26.53		1518.9							
	085	00250	17.18	36.18	26.53		1519.5							
	085	00250	18.96	36.12	26.55		1519.1							
	085	00300	16.18	36.20	26.65		1517.3							
	085	00400	14.76	35.93	26.76		1514.1							
	085	00500	13.33	35.72	26.90		1511.1							
	085	00600	11.28	35.40	27.08		1505.2							
	085	00700	09.32	35.23	27.27		1499.7							
	085	00800	07.45	35.10	27.45		1494.1							
	085	00820	07.35	35.15	27.51		1494.1							
	085	00900	06.20	35.13	27.65		1490.9							
	085	00940	05.78	35.07	27.66		1490.1							
	085	00970	05.90	35.12	27.68		1490.8							
	085	01000	05.40	35.06	27.70		1489.2							
	085	01060	05.10	35.03	27.71		1489.0							
	085	01080	05.18	35.06	27.72		1489.7							
	085	01100	05.15	35.05	27.72		1489.9							
	085	01200	04.72	35.02	27.74		1489.7							
	085	01300	04.44	35.00	27.76		1490.2							
	085	01400	04.25	34.99	27.77		1491.1							
	085	01500	04.09	34.98	27.78		1492.1							
	085	01750	03.95	34.98	27.80		1495.7							
	085	02000	03.79	34.99	27.82		1499.3							
	085	02500	03.40	34.97	27.84		1504.2							
	085	03000	03.07	34.94	27.85		1513.4							

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REF ID: A18258 YEAR: 1971 RC TDP: 04938 AIR TEMP: 15.4 DIR HGT PER: WIND-DIR: 21 INST STD RECORDER: TKN SQ: 1206  
 CONSFC: 0018 MONTH: 01 SHIP DG: WFT RDR: 15.0 WIND-SPD: 05 TRACE DIR: 0 5 SQUARE: 4  
 LAT: 34 35 N DAY: 04 DATA USE: 1 BAROMETER: 1018.5 SEA: WIND-FOR: WIND-FOR: 00.0 2 SQUARE: 46  
 LONG: 047 54 W HORIZ: 23.8 AREA: 05 CLOUD TZA: CLZTR: WEATHER: 05 CRIG: 151 016 1 SQUARE: 57

CASINO/TIME	LEV	DEPTH	TEMP	SAL	SIGMA-T	SYNDPH	SNO VEL	DWV	PDA	TOT P	NO2	NO3	SI33	PH
23.8	85	00000	17.09	36.16	26.45		1515.5							
	85	00010	17.09	36.16	26.45		1515.6							
	85	00020	17.09	36.16	26.45		1515.6							
	85	00030	17.10	36.16	26.45		1516.0							
	85	00050	17.10	36.16	26.45		1516.3							
	85	00075	17.10	36.17	26.46		1516.7							
	85	00100	17.10	36.17	26.46		1517.1							
	85	00125	17.11	36.17	26.46		1517.6							
	85	00150	17.11	36.17	26.46		1518.0							
	85	00178	17.09	36.18	26.52		1518.4							
	85	00200	16.76	36.14	26.61		1517.7							
	85	00250	16.38	36.28	26.66		1517.9							
	85	00300	15.76	36.18	26.71		1516.1							
	85	00400	14.13	35.88	26.86		1512.2							
	85	00500	12.66	35.67	27.00		1508.8							
	85	00600	10.41	35.15	27.17		1502.2							
	85	00700	08.57	35.20	27.16		1498.9							
	85	00800	06.78	35.02	27.49		1491.4							
	85	00900	06.04	35.13	27.67		1490.3							
	85	01000	04.49	35.12	27.73		1489.7							
	85	01100	04.42	35.06	27.76		1488.5							
	85	01200	04.74	35.05	27.77		1489.0							
	85	01300	04.42	35.02	27.78		1490.2							
	85	01400	04.20	35.00	27.79		1490.9							
	85	01500	04.08	34.98	27.78		1491.1							

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TABLE XXXII.—Continued

REF ID: 31 8456    YEAR: 1971    BOTOP: 04755    AIR TEMP: 17.8    DIR HGT PER:    WIND-DIR: 25    INST STD RECORDER:    TEN SQ: 1206  
 CONSEC: 0017    MONTH: 03    SHIP DG:    WET BULB: 16.8    25 1 2    WIND-SPD: 15    TRACE DIR: D    5 SQUARE: 2  
 LAT: 34 50.8N    DAY: 05    DATA USE: 1    BAROMETR: 1017.7    SEA:    WIND-FUR:    DURATION: 00.5    2 SQUARE: 46  
 LONG: 047 42.5W    HOUR: 11.8    AREA: 05    CLOUD: T/A    CL/TR:    WEATHER: X1    ORIG E53 017    1 SQUARE: 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	17.12	36.33	26.52		1515.5							
	OBS	00010	17.10	36.34	26.54		1515.6							
	OBS	00020	17.10	36.35	26.54		1515.8							
	OBS	00030	17.10	36.35	26.54		1515.0							
	OBS	00050	17.10	36.36	26.55		1516.3							
	OBS	00075	17.10	36.36	26.55		1516.7							
	OBS	00100	17.10	36.36	26.55		1517.1							
	OBS	00125	17.10	36.36	26.55		1517.5							
	OBS	00150	17.11	36.37	26.56		1518.0							
	OBS	00200	16.51	36.29	26.44		1516.7							
	OBS	00250	15.91	36.18	26.61		1515.8							
	OBS	00300	15.39	36.09	26.74		1514.7							
	OBS	00400	14.00	35.87	26.98		1511.3							
	OBS	00500	12.77	35.67	26.98		1509.1							
	OBS	00600	10.84	35.43	27.16		1503.8							
	OBS	00700	08.79	35.17	27.30		1497.8							
	OBS	00800	06.94	35.08	27.51		1492.1							
	OBS	00840	06.35	35.05	27.57		1490.4							
	OBS	00900	06.04	35.12	27.66		1490.2							
	OBS	00940	06.27	35.18	27.68		1491.9							
	OBS	01000	05.96	35.16	27.71		1491.6							
	OBS	01100	05.14	35.10	27.76		1485.7							
	OBS	01200	04.91	35.09	27.78		1480.6							
	OBS	01300	04.44	35.07	27.77		1476.3							
	OBS	01400	04.40	35.04	27.80		1491.8							
	OBS	01500	04.18	35.02	27.80		1492.5							
	OBS	01750	03.90	34.99	27.81		1485.5							
	OBS	02000	03.69	34.95	27.82		1488.9							
	OBS	02500	03.27	34.97	27.86		1505.6							
	OBS	02860	02.99	34.95	27.87		1510.6							
	OBS	03000	02.88	34.95	27.88		1511.6							

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REF ID: 31 8256    YEAR: 1971    BOTOP: 04572    AIR TEMP: 17.5    DIR HGT PER:    WIND-DIR: 26    INST STD RECORDER:    TEN SQ: 1206  
 CONSEC: 0018    MONTH: 03    SHIP DG:    WET BULB: 16.0    03 2 2    WIND-SPD: 18    TRACE DIR: D    5 SQUARE: 2  
 LAT: 34 56 N    DAY: 05    DATA USE: 1    BAROMETR: 1013.6    SEA:    WIND-FUR:    DURATION: 00.2    2 SQUARE: 48  
 LONG: 048 00 W    HOUR: 23.8    AREA: 05    CLOUD: T/A    CL/TR:    WEATHER: X6    ORIG E53 018    1 SQUARE: 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.8	OBS	00000	17.22	36.36	26.52		1515.8							
	OBS	00010	17.22	36.37	26.53		1516.0							
	OBS	00020	17.21	36.37	26.53		1516.2							
	OBS	00030	17.21	36.38	26.54		1516.3							
	OBS	00050	17.21	36.38	26.54		1516.7							
	OBS	00075	17.16	36.38	26.55		1516.9							
	OBS	00100	17.11	36.38	26.56		1517.2							
	OBS	00125	17.10	36.38	26.57		1517.6							
	OBS	00150	17.07	36.38	26.57		1517.9							
	OBS	00175	16.94	36.35	26.58		1517.9							
	OBS	00200	16.86	36.36	26.61		1518.1							
	OBS	00250	16.56	36.32	26.65		1517.9							
	OBS	00300	15.84	36.18	26.71		1516.4							
	OBS	00400	14.43	35.93	26.83		1513.3							
	OBS	00500	13.00	35.68	26.94		1509.9							
	OBS	00600	11.10	35.44	27.12		1504.7							
	OBS	00700	08.80	35.19	27.32		1497.7							
	OBS	00800	06.85	35.03	27.48		1491.7							
	OBS	00825	06.35	34.99	27.52		1490.1							
	OBS	00900	06.11	35.13	27.66		1490.5							
	OBS	01000	05.59	35.11	27.71		1490.1							
	OBS	01100	05.06	35.07	27.74		1489.5							
	OBS	01200	04.71	35.04	27.76		1489.7							
	OBS	01222	04.76	35.05	27.76		1490.3							
	OBS	01246	04.58	35.02	27.76		1489.9							
	OBS	01260	04.71	35.06	27.78		1490.8							
	OBS	01300	04.46	35.03	27.78		1490.4							
	OBS	01400	04.25	34.99	27.77		1491.1							
	OBS	01500	04.12	34.98	27.78		1492.2							

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TABLE XXXII.—Continued

REFID 31 8256	YEAR 1971	BOTDP 04617	AIR TEMP 17.5	DIR HGT PER	WIND-DIP 23	INST STD RECORDER	TEN SQ 1226
CONSEC 0019	MONTH 03	SHIP OG	WET BULB 14.3	28 6 3	WIND-SPD 34	TRALE DIR D	5 SQUARE 4
LAT 35 04 N	DAY 06	DATA USE 1	BAROMETR 1016.5	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 46
LONG 047 51 W	HOUR 12.8	AREA 05	(CLOUD) TRA	CL/TP	WEATHER X1	DR1: F53 019	1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	XYG	P34	TOT P	N02	N03	S103	PH
12.8	08S	00000	17.19	36.37	26.54		1515.8							
	08S	00010	17.19	36.37	26.54		1515.9							
	08S	00020	17.20	36.37	26.53		1516.1							
	08S	00030	17.20	36.37	26.53		1516.3							
	08S	00050	17.20	36.36	26.53		1516.6							
	08S	00075	17.16	36.36	26.54		1516.9							
	08S	00100	17.16	36.36	26.54		1517.3							
	08S	00125	17.16	36.37	26.54		1517.7							
	08S	00150	17.17	36.37	26.54		1518.2							
	08S	00200	16.90	36.35	26.59		1518.2							
	08S	00250	16.23	36.22	26.65		1516.8							
	08S	00300	15.69	36.12	26.70		1515.8							
	08S	00400	14.30	35.90	26.84		1512.8							
	08S	00500	12.93	35.66	26.94		1509.7							
	08S	00600	10.57	35.39	27.18		1502.8							
	08S	00700	08.61	35.20	27.36		1497.0							
	08S	00800	06.53	35.04	27.54		1490.4							
	08S	00820	06.34	35.08	27.59		1490.1							
	08S	00840	06.43	35.10	27.60		1490.8							
	08S	00860	06.30	35.11	27.62		1490.0							
	08S	00870	06.53	35.15	27.62		1491.7							
	08S	00900	06.29	35.13	27.64		1491.3							
	08S	01000	05.67	35.12	27.71		1490.4							
	08S	01100	05.21	35.09	27.74		1490.2							
	08S	01200	04.79	35.05	27.78		1490.1							
	08S	01300	04.52	35.02	27.77		1490.6							
	08S	01400	04.34	35.01	27.78		1491.5							
	08S	01500	04.18	34.99	27.78		1492.5							
	08S	01750	03.90	34.98	27.60		1495.5							
	08S	02000	03.68	34.98	27.92		1498.8							
	08S	02500	03.37	34.97	27.85		1506.1							
	08S	03000	03.01	34.95	27.87		1513.1							

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TABLE XXXIII.—Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 7 March 1971 - 30 March 1971, prepared from NODC listing No. 31 - 1813.

REFID 31 1813 YEAR 1971 BCTOP 04948 AIR TEMP 17.8 OIR HGT PER WIND-OIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 03 SHIP ME WET BULB 15.0 OIR SPD PER WIND-SPD 15 TRACE OIR 5 SQUARE 4  
 LAT 35 28 N DAY 08 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 47 W HOUR 13.5 AREA 05 CLOUD T/A 3/6 CL/TR 7/8 WEATHER X1 ORIG E54 001 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	PG4	TCT P	NO2	NO3	SI03	PH
13.5	085	00000	17.17	36.361	26.53		1515.7							
13.5	085	00023	17.16	36.350	26.53		1516.0							
13.5	085	00046	17.17	36.349	26.53		1516.4							
13.5	085	00069	17.15	36.347	26.53		1516.3							
13.5	085	00093	17.14	36.356	26.54		1517.1							
13.5	085	00139	17.17	36.356	26.53		1516.0							

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REFID 31 1813 YEAR 1971 BCTOP 02846 AIR TEMP 16.9 OIR HGT PER WIND-OIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 03 SHIP ME WET BULB 17.2 OIR SPD PER WIND-SPD 16 TRACE OIR 5 SQUARE 4  
 LAT 35 09 N DAY 09 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR WIND-FOR DURATION 2 SQUARE 48  
 LONG 047 38 W HOUR 12.8 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X1 ORIG E54 002 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	PG4	TCT P	NO2	NO3	SI03	PH
12.8	085	00000	17.22	36.357	26.52		1515.8							
12.8	085	00028	17.23	36.348	26.51		1516.3							
12.8	085	00053	17.25	36.343	26.50		1516.8							
12.8	085	00075	17.16	36.341	26.52		1516.9							
12.8	085	00105	16.97	36.312	26.55		1516.8							
12.8	085	00154	16.84	36.295	26.56		1517.2							
12.8	085	T00205	16.71	36.272	26.58		1517.6							
12.8	085	00312	16.19	36.211	26.65		1517.7							
12.8	085	T00416	14.35	35.900	26.82		1513.2							
12.8	085	00523		35.633										
12.8	085	00628	16.98	35.405	27.11		1504.7							
12.8	085	00842	07.15	35.134	27.52		1493.7							
12.8	085	T01058	05.56	35.094	27.70		1490.9							

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REFID 31 1813 YEAR 1971 BCTOP 03265 AIR TEMP 18.9 OIR HGT PER WIND-OIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 03 SHIP ME WET BULB 17.8 OIR SPD PER WIND-SPD 12 TRACE OIR 5 SQUARE 4  
 LAT 35 02 N DAY 10 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 15.5 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E54 003 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	PG4	TCT P	NO2	NO3	SI03	PH
15.5	085	00000	17.34	36.352	26.45		1516.2							
15.5	085	00029	17.32	36.352	26.49		1516.6							
15.5	085	00057	17.22											
15.5	085	00085	17.16	36.350	26.53		1517.0							
15.5	085	00115	17.07	36.343	26.54		1517.3							
15.5	085	00171	16.80	36.294	26.57		1517.3							
15.5	085	00228	16.56	36.266	26.61		1517.5							
15.5	085	00343		36.066										
15.5	085	T00457	13.37	35.739	26.91		1510.5							
15.5	085	00573	11.03	35.402	27.10		1504.0							
15.5	085	00689	08.77	35.165	27.30		1497.4							
15.5	085	T00928	06.01	35.100	27.65		1490.6							
15.5	085	T01175	05.23	35.092	27.74		1491.5							
15.5	085	T01806	03.82	34.990	27.82		1496.2							

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REFID 31 1813 YEAR 1971 BCTOP 04855 AIR TEMP 17.6 OIR HGT PER WIND-OIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 03 SHIP ME WET BULB 16.7 OIR SPD PER WIND-SPD 05 TRACE OIR 5 SQUARE 2  
 LAT 34 58 N DAY 12 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR WIND-FOR DURATION 2 SQUARE 48  
 LONG 049 43 W HOUR 12.8 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E54 004 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	UXYG	PG4	TCT P	NO2	NO3	SI03	PH
12.8	085	00000	17.43	36.328	26.45		1516.4							
12.8	085	00025	17.47	36.368	26.47		1517.0							
12.8	085	00049		36.374										
12.8	085	00074	17.29	36.366	26.51		1517.3							
12.8	085	00098	17.26	36.360	26.51		1517.6							
12.8	085	00148	17.16	36.354	26.53		1518.1							
12.8	085	T00198	16.99	36.357	26.57		1518.4							
12.8	085	00297	16.00	36.181	26.67		1516.8							
12.8	085	T00395	14.26	35.878	26.83		1512.6							
12.8	085	00496	12.70	35.632	26.96		1508.8							
12.8	085	00596	10.05	35.289	27.19		1500.7							
12.8	085	T00797	07.01	35.113	27.53		1492.4							
12.8	085	T00958	05.20	35.007	27.68		1488.3							
12.8	085	T01504	04.05	34.977	27.78		1492.0							

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TABLE XXXIII.—Continued

REFID 31 1813 YEAR 1971 BOTOP 01631 AIR TEMP 16.7 DIR HGT PER WIND-OIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 03 SHIP ME WET BULB 16.7 17 2 2 WIND-SPD 10 TRACE OIR 5 SQUARE 4  
 LAT 35 07 N DAY 13 DATA USE 1 BAROMETR 1013.9 SEA WIND-FUR 10 DURATION 2 SQUARE 46  
 LONG 047 45 W HOUR 12.9 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X6 ORIG E54 U05 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.9	08S	00000	17.37	36.255	26.40		1516.2							
12.9	08S	00028	17.32	36.320	26.47		1516.5							
12.9	08S	00055	17.22	36.368	26.53		1516.8							
12.9	08S	00084	17.18	36.362	26.53		1517.1							
12.9	08S	00112	17.14	36.362	26.54		1517.4							
12.9	08S	00168	17.14	36.354	26.54		1518.4							
12.9	08S	T00224	16.62	36.306	26.62		1517.7							
12.9	08S	00337		36.060										
12.9	08S	T00450	13.60	35.788	26.90		1511.2							
12.9	08S	00564		35.524										
12.9	08S	00679	09.68	35.258	27.23		1500.7							
12.9	08S	00906	06.69	35.158	27.61		1493.0							
12.9	08S	T01140	05.68	35.145	27.73		1492.8							

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REFID 31 1813 YEAR 1971 BOTOP 01792 AIR TEMP 15.6 DIR HGT PER WIND-OIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 03 SHIP ME WET BULB 11.7 20 2 2 WIND-SPD 37 TRACE OIR 5 SQUARE 4  
 LAT 35 06 N DAY 14 DATA USE 1 BAROMETR 1021.0 SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 13.0 AREA 05 CLOUD T/A 0/6 CL/TR WEATHER X1 ORIG E54 006 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
13.0	08S	00000	17.29	36.315	26.47		1516.0							
13.0	08S	00025	17.27	36.310	26.47		1516.3							
13.0	08S	00049	17.22	36.322	26.49		1516.6							
13.0	08S	00074	17.17	36.363	26.54		1516.9							
13.0	08S	00098	17.15	36.367	26.54		1517.3							
13.0	08S	00148	17.11	36.357	26.55		1517.9							
13.0	08S	00197	17.00	36.360	26.57		1518.4							
13.0	08S	00295	16.28	36.258	26.67		1517.7							
13.0	08S	T00394	14.98	36.014	26.78		1515.0							
13.0	08S	00494		35.757										
13.0	08S	00593	11.20	35.437	27.10		1505.0							
13.0	08S	T00794	07.52	35.082	27.43		1494.3							
13.0	08S	T00994	05.59	35.081	27.65		1489.9							

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REFID 31 1813 YEAR 1971 BOTOP 04160 AIR TEMP 16.1 DIR HGT PER WIND-OIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 03 SHIP ME WET BULB 16.1 16 2 2 WIND-SPD 05 TRACE OIR 5 SQUARE 4  
 LAT 35 10 N DAY 15 DATA USE 1 BAROMETR 1013.5 SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 19 W HOUR 12.7 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X5 ORIG E54 007 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.7	08S	00000	17.27											
12.7	08S	00025	17.26	36.302	26.47		1516.3							
12.7	08S	00051	17.26	36.316	26.47		1516.8							
12.7	08S	00076	17.19	36.353	26.52		1517.0							
12.7	08S	00101	17.18	36.355	26.53		1517.4							
12.7	08S	00151	17.15	36.358	26.54		1518.1							
12.7	08S	00202	17.16	36.362	26.54		1519.0							
12.7	08S	00303	16.66	36.222	26.55		1519.0							
12.7	08S	T00404	14.83	35.979	26.78		1514.7							
12.7	08S	00505	13.34	35.735	26.91		1511.2							
12.7	08S	00606	11.74	35.499	27.04		1507.1							
12.7	08S	00806	06.87	35.080	27.52		1491.9							
12.7	08S	T01010	05.82	35.110	27.68		1491.2							
12.7	08S	T01515	04.23	35.002	27.78		1493.0							

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REFID 31 1813 YEAR 1971 BOTOP 04789 AIR TEMP 15.0 DIR HGT PER WIND-OIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 03 SHIP ME WET BULB 11.7 32 4 2 WIND-SPD 14 TRACE OIR 5 SQUARE 2  
 LAT 34 47 N DAY 16 DATA USE 1 BAROMETR 1021.3 SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 12.8 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG E54 008 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.8	08S	00000	17.54	36.326	26.42		1516.7							
12.8	08S	00030	17.51	36.326	26.43		1517.1							
12.8	08S	00060	17.46	36.326	26.44		1517.5							
12.8	08S	00091	17.43	36.377	26.48		1518.0							
12.8	08S	00122	17.38	36.383	26.50		1518.3							
12.8	08S	00184	17.32	36.367	26.50		1519.2							
12.8	08S	T00246	17.16	36.383	26.55		1519.7							
12.8	08S	00363	15.88	36.165	26.65		1517.5							
12.8	08S	T00499	13.84	35.811	26.86		1512.8							
12.8	08S	00626		35.440										
12.8	08S	00753		35.120										
12.8	08S	T01008	05.50	35.061	27.68		1489.8							
12.8	08S	T01265	04.50	34.994	27.75		1489.9							

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TABLE XXXIII.—Continued

REFID 31 1813 YEAR 1971 BOTDP 02935 AIR TEMP 17.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 03 SHIP ME WET BULB 15.6 10 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 17 DATA USE 1 BAROMETR 1021.0 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 18.1 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 CRIG E54 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
18.1	08S	00000	17.37	36.309	26.45		1516.2							
18.1	08S	00026	17.28	36.299	26.46		1516.4							
18.1	08S	00051	17.26	36.297	26.46		1516.7							
18.1	08S	00077	17.19	36.370	26.54		1517.0							
18.1	08S	00102	17.18	36.356	26.53		1517.4							
18.1	08S	00153	17.19	36.378	26.54		1518.3							
18.1	08S	T00203	17.12	36.357	26.54		1518.9							
18.1	08S	00302	16.03	36.197	26.68		1517.0							
18.1	08S	T00402	15.05	36.025	26.77		1515.4							
18.1	08S	00503	13.50	35.754	26.89		1511.7							
18.1	08S	00603	11.60	35.480	27.06		1506.6							
18.1	08S	00805	07.38	35.098	27.46		1493.9							
18.1	08S	T01004	05.89	35.107	27.67		1491.4							
18.1	08S	T01534	04.42	35.049	27.80		1494.1							

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REFID 31 1813 YEAR 1971 BOTDP 02295 AIR TEMP 19.4 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 03 SHIP ME WET BULB 18.3 14 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 18 DATA USE 1 BAROMETR 1016.6 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 13.6 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X0 CRIG E54 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.6	08S	00000	17.46	36.300	26.42		1516.5							
13.6	08S	00023	17.29	36.296	26.46		1516.4							
13.6	08S	00046	17.16	36.298	26.49		1516.3							
13.6	08S	00070	17.11	36.354	26.54		1516.7							
13.6	08S	00095	17.04	36.352	26.56		1516.9							
13.6	08S	00145	16.81	36.324	26.59		1517.0							
13.6	08S	00196	16.62	36.308	26.63		1517.2							
13.6	08S	00302		36.133										
13.6	08S	T00408	14.47	35.928	26.82		1513.5							
13.6	08S	00514	13.31	35.749	26.93		1511.3							
13.6	08S	00622	11.21	35.443	27.10		1505.5							
13.6	08S	T00840	06.86	35.089	27.53		1492.5							
13.6	08S	T01058	05.67	35.101	27.70		1491.4							
13.6	08S	T01670	04.24	35.025	27.80		1495.7							

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REFID 31 1813 YEAR 1971 BOTDP 04555 AIR TEMP 15.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 03 SHIP ME WET BULB 12.2 17 5 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 19 DATA USE 1 BAROMETR 1009.1 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.5 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 CRIG E54 011 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	08S	00000	17.38	36.300	26.44		1516.2							
12.5	08S	00027	17.33	36.301	26.45		1516.5							
12.5	08S	00054	17.23	36.328	26.49		1516.7							
12.5	08S	00082		36.352										
12.5	08S	00110	17.14	36.356	26.54		1517.4							
12.5	08S	00164	17.11	36.354	26.54		1518.2							
12.5	08S	00219	16.93	36.353	26.59		1518.6							
12.5	08S	00328	15.92	36.174	26.69		1517.1							
12.5	08S	T00436	14.45	35.921	26.82		1513.9							
12.5	08S	00545	11.74	35.625	27.14		1506.3							
12.5	08S	00655	10.57	35.354	27.15		1503.7							
12.5	08S	00877	06.48	35.069	27.56		1491.5							
12.5	08S	T01104	05.42	35.080	27.71		1491.1							
12.5	08S	T01702	03.94	34.992	27.81		1494.9							

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REFID 31 1813 YEAR 1971 BOTDP 04809 AIR TEMP 15.6 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 03 SHIP ME WET BULB 13.3 28 6 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 20 DATA USE 1 BAROMETR 1018.6 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 CRIG E54 012 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.9	08S	00000	17.41	36.326	26.45		1516.4							
12.9	08S	00023	17.38	36.340	26.47		1516.7							
12.9	08S	00045	17.40	36.341	26.46		1517.1							
12.9	08S	00067	17.41	36.337	26.46		1517.5							
12.9	08S	00089	17.39	36.362	26.48		1517.8							
12.9	08S	00131	17.23	36.370	26.53		1518.0							
12.9	08S	00174	17.23	36.364	26.52		1516.7							

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TABLE XXXIII. Continued

REF: 11 1813 YEAR: 1971 BOTOM: 04816 AIR TEMP: 17.2 DIR: 021 PER: 27 WIND-DIR: 16 INST: NANSEN CAST TEN: 1206  
 CONSID: 0013 MONTH: 03 SHIP: M1 MET: 0080 16.7 DIR: 021 PER: 27 WIND-SPD: 09 TRACE: DIR: 5 SQUARE: 4  
 LAT: 14 57 N AN: 21 DATA USE: 1 OBS: METR: 1021.0 SEA: WIND: 4 DURATION: 2 SQUARE: 46  
 LONG: 127 55 W HOUR: 12.8 AREA: 05 CLOUD: TZA: 02 CLZTA: 0216 WEATHER: 41 CHL: 154 015 1 SQUARE: 57

ASTN#	TIME	LATITUDE	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	STG	PK	T.P.	NO <sub>2</sub>	NO <sub>3</sub>	SIG <sub>3</sub>	PH
12.8	01	0000	16.96	36.371	26.54	1515.1									
12.8	05	0005	16.96	36.371	26.54	1515.1									
12.8	01	0009	16.96	36.376	26.54	1515.1									
12.8	07	0014	16.97	36.376	26.54	1515.1									
12.8	05	0019	16.97	36.371	26.54	1515.1									
12.8	07	0019	16.97	36.376	26.54	1515.1									
12.8	01	0025	16.91	36.376	26.55	1516.2									
12.8	03	0030	16.97	36.375	26.55	1516.2									
12.8	01	0042	16.96	36.376	26.55	1516.2									
12.8	07	0059	17.03	36.378	26.55	1516.2									
12.8	01	0073	16.97	36.373	26.57	1516.2									
12.8	05	0103	16.96	36.373	26.56	1516.2									
12.8	01	0155	16.96	36.371	26.55	1516.2									

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REF: 11 1813 YEAR: 1971 BOTOM: 04826 AIR TEMP: 17.8 DIR: 021 PER: 27 WIND-DIR: 16 INST: NANSEN CAST TEN: 1206  
 CONSID: 0014 MONTH: 03 SHIP: M1 MET: 0080 16.4 DIR: 021 PER: 27 WIND-SPD: 09 TRACE: DIR: 5 SQUARE: 4  
 LAT: 14 57 N AN: 21 DATA USE: 1 OBS: METR: 1021.0 SEA: WIND: 4 DURATION: 2 SQUARE: 46  
 LONG: 127 55 W HOUR: 12.8 AREA: 05 CLOUD: TZA: 02 CLZTA: 0216 WEATHER: 41 CHL: 154 015 1 SQUARE: 57

ASTN#	TIME	LATITUDE	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	STG	PK	T.P.	NO <sub>2</sub>	NO <sub>3</sub>	SIG <sub>3</sub>	PH
12.8	01	0000	17.97	36.365	26.55	1516.6									
12.8	01	0025	17.28	36.365	26.56	1516.6									
12.8	01	0030	16.96	36.370	26.56	1516.6									
12.8	01	0036	17.12	36.371	26.55	1516.7									
12.8	01	0045	17.06	36.371	26.57	1516.7									
12.8	01	0051	16.97	36.366	26.55	1517.6									
12.8	01	0103	16.97	36.376	26.60	1516.1									
12.8	01	0104	16.96	36.368	26.56	1516.6									
12.8	01	0106	16.91	36.373	26.55	1516.9									
12.8	01	0108	16.96	36.376	26.55	1516.6									
12.8	01	0111	16.91	36.366	26.56	1516.6									
12.8	01	0116	16.96	36.369	26.57	1498.0									
12.8	01	0118	16.91	36.371	26.60	1496.2									
12.8	01	0119	16.96	36.371	26.57	1496.2									

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REF: 11 1813 YEAR: 1971 BOTOM: 04816 AIR TEMP: 17.8 DIR: 021 PER: 27 WIND-DIR: 16 INST: NANSEN CAST TEN: 1206  
 CONSID: 0015 MONTH: 03 SHIP: M1 MET: 0080 16.1 DIR: 021 PER: 27 WIND-SPD: 09 TRACE: DIR: 5 SQUARE: 4  
 LAT: 15 10 N AN: 24 DATA USE: 1 OBS: METR: 1021.0 SEA: WIND: 4 DURATION: 2 SQUARE: 46  
 LONG: 127 55 W HOUR: 12.8 AREA: 05 CLOUD: TZA: 02 CLZTA: 0216 WEATHER: 41 CHL: 154 015 1 SQUARE: 57

ASTN#	TIME	LATITUDE	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SND VEL	STG	PK	T.P.	NO <sub>2</sub>	NO <sub>3</sub>	SIG <sub>3</sub>	PH
12.8	095	0000	17.17	36.365	26.52	1515.7									
12.8	095	0004	17.00	36.338	26.56	1515.6									
12.8	091	0007	17.03	36.355	26.56	1516.0									
12.8	085	0007	17.02	36.366	26.57	1516.9									
12.8	085	0009	16.97	36.377	26.60	1516.7									
12.8	095	0014	16.95	36.376	26.60	1517.4									
12.8	095	0019	16.97	36.372	26.59	1516.2									

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TABLE XXXIV.—Observed and interpolated oceanographic data for stations taken by USCGC SEBAGO at Ocean Station ECHO, 30 March 1971 - 22 April 1971, prepared from NODC listing No. 31 - 1827.

REF ID	31 1827	YEAR	1971	BO TOP	04572	AIR TEMP	19.0	DIR HGT	PEK	WIND-DIR	16	INST	NANSEN	CAST	TEN SQ	1206
CONSEC	0001	MONTH	03	SHIP	55	WET BULB	16.5		16 1 2	WIND-SPD	03	TRACE	DIR		5	SQUARE 2
LAT	34 26 N	DAY	30	DATA USE	1	BAROMETR	1026.1	SEA		WIND-FOR		DURATION			2	SQUARE 48
LONG	048 38 W	HOOR	22.0	AREA	05	CLCUD T/A	3/7	CL/TR		WEATHER	X1	ORIG	E55 001		1	SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PU4	TCT P	NO2	NO3	SI03	PH
22.0	085	00000	18.19	36.365	26.25		1518.7							
22.0	085	00025	17.69	36.387	26.43		1517.7							
22.0	085	00050	17.61	36.391	26.45		1517.8							
22.0	085	00074	17.17	36.362	26.54		1516.9							
22.0	085	00099	17.10	36.364	26.55		1517.1							
22.0	085	00149	17.04	36.361	26.57		1517.8							
22.0	085	T00203	16.90	36.340	26.58		1518.2							
22.0	085	00303	16.44	36.280	26.65		1518.4							
22.0	085	T00402	14.81	35.982	26.75		1514.6							
22.0	085	00506	13.44	35.755	26.91		1511.6							
22.0	085	00606	11.75	35.508	27.05		1507.2							
22.0	085	00803	08.03	35.143	27.40		1496.4							
22.0	085	01005	06.14	35.122	27.65		1492.4							
22.0	085	T01505	04.38	35.038	27.80		1493.5							

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REF ID	31 1827	YEAR	1971	BO TOP	02286	AIR TEMP	18.9	DIR HGT	PER	WIND-DIR	17	INST	NANSEN	CAST	TEN SQ	1206
CONSEC	0002	MONTH	03	SHIP	55	WET BULB	18.0		17 1 2	WIND-SPD	14	TRACE	DIR		5	SQUARE 4
LAT	35 06 N	DAY	31	DATA USE	1	BAROMETR	1028.0	SEA		WIND-FOR		DURATION			2	SQUARE 48
LONG	048 03 W	HOOR	19.7	AREA	05	CLCUD T/A	8/7	CL/TR		WEATHER	X1	ORIG	E55 002		1	SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
19.7	085	00000	18.00	36.327	26.51		1518.1							
19.7	085	00029	17.26	36.350	26.50		1516.4							
19.7	085	00052	17.25	36.396	26.54		1516.8							
19.7	085	00080	16.99	36.372	26.59		1516.5							
19.7	085	00104	16.98	36.376	26.55		1516.9							
19.7	085	00155	17.03	36.387	26.59		1517.9							
19.7	085	T00207	17.00	36.384	26.55		1518.6							
19.7	085	00310	16.81	36.350	26.61		1519.7							
19.7	085	T00411	16.07	36.186	26.66		1515.9							
19.7	085	00511	14.91	35.962	26.75		1516.7							
19.7	085	T00610	14.28	35.931	26.86		1516.3							
19.7	085	00840	10.34	35.371	27.20		1505.9							
19.7	085	01003	07.38	35.209	27.55		1497.3							
19.7	085	T01486	04.77	35.059	27.77		1494.8							

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REF ID	31 1827	YEAR	1971	BO TOP	03658	AIR TEMP	20.2	DIR HGT	PER	WIND-DIR	15	INST	NANSEN	CAST	TEN SQ	1206
CONSEC	0003	MONTH	04	SHIP	55	WET BULB	18.0		15 2 2	WIND-SPD	20	TRACE	DIR		5	SQUARE 4
LAT	35 08 N	DAY	01	DATA USE	1	BAROMETR	1026.0	SEA		WIND-FOR		DURATION			2	SQUARE 48
LONG	048 15 W	HOOR	17.9	AREA	05	CLCUD T/A	8/1	CL/TR	/08	WEATHER	X1	ORIG	E55 003		1	SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
17.9	085	00000	17.99	36.366	26.34		1518.1							
17.9	085	00029	17.30	36.360	26.50		1516.6							
17.9	085	00052	16.99	36.377	26.55		1516.0							
17.9	085	00080	16.98	36.384	26.60		1516.5							
17.9	085	00104	17.00	36.386	26.59		1516.9							
17.9	085	00155	17.06	36.390	26.58		1517.9							
17.9	085	T00207	17.05	36.400	26.55		1516.8							
17.9	085	00310	16.93	36.377	26.60		1520.1							
17.9	085	00414	16.43	36.269	26.64		1520.2							
17.9	085	00518	15.25	36.058	26.75		1518.0							
17.9	085	T00623	13.75	35.804	26.88		1514.5							
17.9	085	00838	09.73	35.317	27.26		1503.6							
17.9	085	T01049	06.99	35.221	27.61		1496.0							
17.9	085	T01575	04.69	35.054	27.78		1496.0							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTOP 04572 AIR TEMP 19.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 04 SHIP 55 WET BULB 18.5 15 5 3 WIND-SPD 23 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 02 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 13.5 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG ESS 004 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIG3	PH
13.5	OBS	00000	17.85	36.370	26.38		1517.7							
13.5	OBS	00029	17.23	36.386	26.54		1516.4							
13.5	OBS	00054		36.403										
13.5	OBS	00084	17.06	36.407	26.60		1516.8							
13.5	OBS	00108	17.03	36.392	26.59		1517.1							
13.5	OBS	00163	17.01	36.384	26.59		1517.9							
13.5	OBS	T00218	17.00	36.372	26.58		1518.8							
13.5	OBS	00327	16.91	36.374	26.61		1520.3							
13.5	OBS	00436	16.59	36.292	26.62		1521.0							
13.5	OBS	00545	15.02	36.020	26.77		1517.7							
13.5	OBS	00654	13.30	35.743	26.92		1513.5							
13.5	OBS	00877	09.01	35.270	27.35		1501.5							
13.5	OBS	T01094	06.16	35.137	27.62		1494.0							
13.5	OBS	T01636	04.04	34.940	27.72		1494.1							

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REFID 31 1827 YEAR 1971 BOTOP 03840 AIR TEMP 19.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 04 SHIP 55 WET BULB 17.8 13 5 3 WIND-SPD 26 TRACE DIR 5 SQUARE 2  
 LAT 34 46 N DAY 03 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 20 W HOUR 17.0 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG ESS 005 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIG3	PH
17.0	OBS	00000	18.15	36.300	26.25		1518.5							
17.0	OBS	00028	17.47	36.335	26.44		1517.0							
17.0	OBS	00052	17.27	36.369	26.52		1516.9							
17.0	OBS	00080	16.57	36.137	26.56		1516.4							
17.0	OBS	00104	17.00	36.358	26.57		1516.9							
17.0	OBS	00156	16.85	36.344	26.59		1517.3							
17.0	OBS	T00208	16.85	36.334	26.60		1518.1							
17.0	OBS	00313	16.15	36.231	26.68		1517.6							
17.0	OBS	00419	14.77	35.978	26.75		1514.7							
17.0	OBS	00525	12.96	35.680	26.95		1510.2							
17.0	OBS	T00632	11.13	35.460	27.13		1505.4							
17.0	OBS	00853	07.76	35.215	27.50		1496.3							
17.0	OBS	T01071	05.23	35.044	27.70		1489.7							
17.0	OBS	T01614	04.69	34.977	27.76		1494.0							

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REFID 31 1827 YEAR 1971 BOTOP 04389 AIR TEMP 20.1 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 04 SHIP 55 WET BULB 18.0 13 5 3 WIND-SPD 21 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 04 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 17.5 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X1 ORIG ESS 006 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIG3	PH
17.5	OBS	00000	17.78	36.336	26.37		1517.5							
17.5	OBS	00029	17.76	36.356	26.39		1517.9							
17.5	OBS	00048	17.17	36.378	26.55		1516.5							
17.5	OBS	00081	17.00	36.376	26.55		1516.5							
17.5	OBS	00105	16.98	36.384	26.60		1516.9							
17.5	OBS	00157	17.02	36.381	26.55		1517.9							
17.5	OBS	T00209	17.04	36.389	26.59		1518.8							
17.5	OBS	00314	16.94	36.397	26.62		1520.2							
17.5	OBS	00420	16.62	36.292	26.61		1520.9							
17.5	OBS	00526	15.31	36.044	26.72		1518.3							
17.5	OBS	T00633	13.96	35.861	26.88		1515.5							
17.5	OBS	00854	09.41	35.304	27.31		1502.7							
17.5	OBS	T01070	06.33	35.121	27.63		1494.2							

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REFID 31 1827 YEAR 1971 BOTOP 01921 AIR TEMP 19.1 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 04 SHIP 55 WET BULB 17.9 15 4 3 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 05 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG ESS 007 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIG3	PH
12.9	OBS	00000	17.84	36.345	26.36		1517.6							
12.9	OBS	00027	17.74	36.356	26.35		1517.8							
12.9	OBS	00049	17.15	36.369	26.55		1516.5							
12.9	OBS	00075	17.08	36.377	26.57		1516.7							
12.9	OBS	00098	16.98	36.377	26.59		1516.8							
12.9	OBS	00146	16.99	36.370	26.58		1517.6							
12.9	OBS	00196	16.97	36.369	26.55		1516.3							
12.9	OBS	00295	16.92	36.366	26.60		1519.8							
12.9	OBS	00394	16.79	36.331	26.60		1521.0							
12.9	OBS	00493	15.70	36.120	26.65		1519.0							
12.9	OBS	T00593	14.42	35.923	26.83		1516.4							
12.9	OBS	00800	11.34	35.492	27.11		1508.9							
12.9	OBS	T01006	07.54	35.183	27.51		1498.0							
12.9	OBS	T01527	04.61	35.039	27.77		1494.8							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTOP 04389 AIR TEMP 17.6 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 04 SHIP 55 WET BULB 16.0 27 4 3 WIND-SPO 17 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1015.1 SEA WIND-FUR 0URATION 2 SQUARE 46  
 LONG 047 53 W HOUR 12.9 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X1 ORIG E55 00B 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
12.9	OBS	00000	17.68	36.363	26.41		1517.2							
12.9	OBS	00030	17.59	36.369	26.44		1517.4							
12.9	OBS	00055		36.370										
12.9	OBS	00084	17.00	36.369	26.58		1516.6							
12.9	OBS	00109	16.98	36.375	26.55		1518.9							
12.9	OBS	00163	16.98	36.375	26.59		1517.8							
12.9	OBS	T00217	16.98											
12.9	OBS	00325	16.86	36.360	26.61		1520.1							
12.9	OBS	00432	16.48	36.267	26.62		1520.6							
12.9	OBS	00539	15.06	36.030	26.77		1517.7							
12.9	OBS	T00646	13.78	35.833	26.85		1515.1							
12.9	OBS	00865	09.34	35.288	27.31		1502.6							
12.9	OBS	T01080	06.38	35.149	27.64		1494.6							
12.9	OBS	T01624	04.02	34.993	27.80		1495.9							

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REFID 31 1827 YEAR 1971 BOTOP 03475 AIR TEMP 16.0 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 04 SHIP 55 WET BULB 12.6 05 7 4 WIND-SPO 14 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BAROMETR 1025.0 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 00 W HOUR 17.7 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E55 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
17.7	OBS	00000	17.62	36.379	26.44		1517.0							
17.7	OBS	00028	17.57	36.381	26.45		1517.4							
17.7	OBS	00050	17.49	36.377	26.47		1517.5							
17.7	OBS	00077	17.10	36.379	26.57		1516.8							
17.7	OBS	00100	17.04	36.371	26.57		1517.0							
17.7	OBS	00149	17.04	36.392	26.59		1517.8							
17.7	OBS	T00200	17.02	36.378	26.58		1518.6							
17.7	OBS	00298	16.84	36.355	26.61		1519.6							
17.7	OBS	00394	16.66	36.300	26.61		1520.6							
17.7	OBS	00488	15.39	36.067	26.72		1517.9							
17.7	OBS	T00582	14.27	35.897	26.84		1515.7							
17.7	OBS	00774	11.20	35.466	27.12		1508.0							
17.7	OBS	00971	08.00	35.210	27.46		1499.2							
17.7	OBS	T01451	04.81	35.069	27.77		1494.4							

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REFID 31 1827 YEAR 1971 BOTOP 04206 AIR TEMP 17.1 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 04 SHIP 55 WET BULB 13.5 12 1 2 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1026.3 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR /18 WEATHER X1 ORIG E55 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
12.9	OBS	00000	17.64	36.349	26.41		1517.1							
12.9	OBS	00022	17.53	36.369	26.45		1517.1							
12.9	OBS	00045		36.373										
12.9	OBS	00067		36.382										
12.9	OBS	00090	16.99	36.376	26.59		1516.7							
12.9	OBS	00135	17.03	36.384	26.59		1517.5							
12.9	OBS	T00184	17.01	36.388	26.59		1518.3							
12.9	OBS	00274	17.03	36.397	26.60		1519.8							
12.9	OBS	00363	17.00	36.375	26.59		1521.2							
12.9	OBS	00457	16.33	36.245	26.65		1520.5							
12.9	OBS	T00547	15.28	36.030	26.72		1518.5							

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REFID 31 1827 YEAR 1971 BOTOP 04572 AIR TEMP 19.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 04 SHIP 55 WET BULB 17.5 17 2 2 WIND-SPO 07 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1025.9 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 10 W HOUR 13.0 AREA 05 CLOUD T/A 2/7 CL/TR WEATHER X1 ORIG E55 011 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TCT P	NO2	NO3	S103	PH
13.0	OBS	00000	17.65	36.389	26.35		1517.7							
13.0	OBS	00021	17.61	36.380	26.44		1517.4							
13.0	OBS	00043	17.41	36.386	26.50		1517.1							
13.0	OBS	00064	17.10	36.385	26.57		1516.6							
13.0	OBS	00085	17.03	36.394	26.59		1516.7							
13.0	OBS	00127	17.03	36.401	26.60		1517.4							
13.0	OBS	T00173	17.02	36.395	26.60		1518.1							
13.0	OBS	00256	16.96	36.383	26.60		1519.3							
13.0	OBS	T00339	16.95	36.359	26.59		1520.6							
13.0	OBS	00424	16.28	36.238	26.65		1519.8							
13.0	OBS	T00505	15.31	36.049	26.73		1517.9							
13.0	OBS	00672	13.52	35.806	26.92		1514.6							
13.0	OBS	00851	10.02	35.344	27.24		1504.9							
13.0	OBS	T01319	05.01	35.066	27.75		1493.0							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 17.4 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 04 SHIP 55 WET BULB 13.4 33 4 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 10 DATA USE 1 BAROMETR 1029.2 SEA 15 WIND-FUR 2 SQUARE 48  
 LONG 048 03 W HOUR 11.9 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 DRIG ESS 012 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	085	00000	17.89	36.359	26.36		1517.8							
11.9	085	00030	17.55	36.367	26.45		1517.3							
11.9	085	00055	17.25	36.367	26.52		1516.8							
11.9	085	00085	17.06	36.393	26.55		1516.8							
11.9	085	00109	17.04	36.401	26.60		1517.1							
11.9	085	00164	17.07	36.394	26.58		1516.1							
11.9	085	T00219	17.02	36.397	26.60		1518.9							
11.9	085	06324	16.89	36.360	26.60		1520.3							
11.9	085	T00439	16.17	36.209	26.65		1519.7							
11.9	085	00546	14.82	35.981	26.78		1517.0							
11.9	085	T00658	13.45	35.794	26.92		1514.3							
11.9	085	00883		35.317										
11.9	085	01102	06.27	35.152	27.66		1494.6							
11.9	085	T01650	04.22	35.014	27.86		1495.2							

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REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 16.4 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 04 SHIP 55 WET BULB 12.0 33 5 4 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 11 DATA USE 1 BAROMETR 1029.6 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 00 W HOUR 17.2 AREA 05 CLOUD T/A 0/7 CL/TR WEATHER X1 DRIG ESS 013 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
17.2	085	00000	17.81	36.370	26.35		1517.6							
17.2	085	00027	17.60	36.374	26.44		1517.4							
17.2	085	00049	17.10	36.381	26.57		1516.3							
17.2	085	00076	17.01	36.387	26.55		1516.5							
17.2	085	00098	17.00	36.368	26.60		1516.8							
17.2	085	00147	17.01	36.384	26.59		1517.7							
17.2	085	T00196	16.58	36.397	26.61		1518.4							
17.2	085	00292	16.91	36.354	26.59		1519.7							
17.2	085	T00386	16.85	36.334	26.55		1521.0							
17.2	085	00478	16.16	36.212	26.66		1520.3							
17.2	085	T00570	14.96	35.989	26.76		1517.8							
17.2	085	00757	11.80	35.544	27.07		1509.9							
17.2	085	00943	08.52	35.270	27.43		1500.8							
17.2	085	T01412	04.64	35.044	27.77		1493.0							

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REFID 31 1827 YEAR 1971 BOTDP 04389 AIR TEMP 17.0 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 04 SHIP 55 WET BULB 12.5 12 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 12 DATA USE 1 BAROMETR 1029.1 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 21 W HOUR 13.2 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 DRIG ESS 014 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.2	085	00000	17.71	36.362	26.40		1517.3							
13.2	085	00028	17.62	36.377	26.44		1517.5							
13.2	085	00051		36.380										
13.2	085	00079	17.05	36.390	26.55		1516.7							
13.2	085	00102	17.04	36.398	26.55		1517.0							
13.2	085	00153	16.99	36.383	26.55		1517.7							
13.2	085	00204	16.99	36.371	26.59		1518.5							
13.2	085	00305	16.93	36.362	26.55		1520.0							
13.2	085	T00407	16.78	36.318	26.60		1521.2							
13.2	085	00507	15.62	36.110	26.71		1519.0							
13.2	085	T00607	14.59	35.936	26.84		1516.6							
13.2	085	00811	11.05	35.439	27.13		1508.0							
13.2	085	01009	07.99	35.244	27.45		1499.8							
13.2	085	T01505	04.61	35.035	27.77		1494.4							

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REFID 31 1827 YEAR 1971 BOTDP 04206 AIR TEMP 17.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 04 SHIP 55 WET BULB 16.1 15 6 3 WIND-SPD 26 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1021.7 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 00 W HOUR 13.3 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 DRIG ESS 015 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.3	085	00000	17.48	36.363	26.46		1516.6							
13.3	085	00030	17.47	36.386	26.48		1517.1							
13.3	085	00055	17.44	36.385	26.45		1517.4							
13.3	085	00086	17.07	36.396	26.55		1516.9							
13.3	085	00111	17.02	36.398	26.60		1517.1							
13.3	085	00166	17.01	36.391	26.60		1518.0							
13.3	085	T00222	16.98	36.366	26.58		1518.8							
13.3	085	00322	16.91	36.361	26.60		1520.4							
13.3	085	T00443	16.26	36.225	26.65		1520.1							
13.3	085	00553	14.87	35.990	26.78		1517.3							
13.3	085	T00663	13.19	35.756	26.96		1513.3							
13.3	085	00889	09.26	35.328	27.35		1502.7							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 18.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 04 SHIP 55 WET BULB 16.7 21 3 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 15 DATA USE 1 BAROMETR 1009.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 52 W HOUR 13.2 AREA 05 CLOUD T/A 7/5 CL/TR 2.0 WEATHER XI ORIG E55 010 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.2	OBS	00000	17.65	36.365	26.42		1517.1							
13.2	OBS	00029	17.45	36.377	26.45		1517.0							
13.2	OBS	00052	17.14	36.400	26.57		1516.5							
13.2	OBS	00081	17.03	36.400	26.60		1516.7							
13.2	OBS	00104	17.04	36.411	26.60		1517.1							
13.2	OBS	00156	17.06	36.393	26.59		1518.0							
13.2	OBS	T00208	17.00	36.390	26.60		1518.0							
13.2	OBS	00312	16.86	36.367	26.61		1519.9							
13.2	OBS	T00417	16.13	36.206	26.66		1519.2							
13.2	OBS	00521	15.22	36.059	26.76		1517.9							
13.2	OBS	T00625	13.66	35.809	26.90		1514.3							
13.2	OBS	00840	09.89	35.331	27.25		1504.2							
13.2	OBS	T01052	06.69	35.162	27.61		1494.4							
13.2	OBS	T01586	04.31	35.000	27.77		1494.5							

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REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 17.9 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 04 SHIP 55 WET BULB 15.2 32 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 16 DATA USE 1 BAROMETR 1014.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 13.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER XI ORIG E55 017 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.2	OBS	00000	17.64	36.370	26.43		1517.1							
13.2	OBS	00030	17.51	36.368	26.46		1517.2							
13.2	OBS	00055	17.37	36.382	26.50		1517.2							
13.2	OBS	00085	17.00	36.390	26.60		1516.6							
13.2	OBS	00110	16.97	36.379	26.60		1516.9							
13.2	OBS	00164	17.00	36.386	26.60		1517.9							
13.2	OBS	T00219	16.98	36.388	26.60		1518.8							
13.2	OBS	00328	16.84	36.365	26.62		1520.1							
13.2	OBS	T00438	16.15	36.209	26.66		1519.6							
13.2	OBS	00547	14.81	35.992	26.80		1517.0							
13.2	OBS	T00657	13.21	35.738	26.94		1513.3							

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REFID 31 1827 YEAR 1971 BOTDP 04481 AIR TEMP 17.3 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 04 SHIP 55 WET BULB 15.8 32 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 17 DATA USE 1 BAROMETR 1018.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.4 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER XI ORIG E55 018 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	17.83	36.371	26.38		1517.6							
12.4	OBS	00028	17.52	36.374	26.45		1517.3							
12.4	OBS	00050	17.49	36.383	26.47		1517.5							
12.4	OBS	00077	17.08	36.404	26.59		1516.7							
12.4	OBS	00100	17.08	36.411	26.59		1516.7							
12.4	OBS	00151	17.00	36.393	26.60		1517.7							
12.4	OBS	T00200	16.99	36.391	26.60		1516.5							
12.4	OBS	00301	16.86	36.370	26.62		1519.7							
12.4	OBS	T00401	16.27	36.236	26.65		1519.4							
12.4	OBS	00500	15.17	36.056	26.77		1517.4							
12.4	OBS	T00548	14.09	35.867	26.86		1515.4							
12.4	OBS	00802	10.12	35.312	27.19		1504.4							
12.4	OBS	01003	07.62	35.201	27.51		1498.3							
12.4	OBS	T01507	04.70											

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REFID 31 1827 YEAR 1971 BOTDP 04572 AIR TEMP 19.0 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 04 SHIP 55 WET BULB 14.6 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 18 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 15.6 AREA 05 CLOUD T/A 2/6 CL/TR WEATHER XI ORIG E55 019 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
15.6	OBS	00000	18.15	36.374	26.30		1518.6							
15.6	OBS	00025	17.56	36.375	26.45		1517.3							
15.6	OBS	00050	17.55	36.375	26.45		1517.7							
15.6	OBS	00075	17.23	36.375	26.53		1517.1							
15.6	OBS	00100	16.98	36.377	26.59		1516.8							
15.6	OBS	00150	16.95	36.380	26.60		1517.5							

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TABLE XXXIV.—Continued

REFID 31 1827 YEAR 1971 BOTOP 03384 AIR TEMP 18.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CGNSFC 0020 MONTH 04 SHIP 55 WET BULB 17.2 14 2 2 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1015.0 SEA WIND-FCK DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.2 AREA 05 CLOUD T/A 3/6 CL/TR /14 WEATHER X2 GRIG E55 020 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SIO3	PH
13.2	OBS	00000	17.75	36.381	26.41		1517.4							
13.2	OBS	00028	17.37	36.387	26.51		1516.8							
13.2	OBS	00051	17.32	36.394	26.52		1517.0							
13.2	OBS	00078	17.03	36.399	26.60		1516.6							
13.2	OBS	00101	17.04	36.404	26.60		1517.0							
13.2	OBS	00152	17.02	36.396	26.60		1517.8							
13.2	OBS	T00203	16.97	36.390	26.60		1516.5							
13.2	OBS	00305	16.88	36.376	26.62		1519.9							
13.2	OBS	T00405	16.13	36.216	26.67		1519.0							
13.2	OBS	00506	15.09	36.044	26.77		1517.3							
13.2	OBS	T00607	13.70	35.805	26.85		1514.2							
13.2	OBS	00816	09.98	35.319	27.22		1504.1							
13.2	OBS	T01123	07.14	35.179	27.56		1496.7							
13.2	OBS	T01556	04.38	35.016	27.78		1494.3							

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REFID 31 1827 YEAR 1971 BOTOP 04023 AIR TEMP 19.5 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CGNSFC 0021 MONTH 04 SHIP 55 WET BULB 18.2 20 9 4 WIND-SPO 17 TRACE DIR 5 SQUARE 2  
 LAT 34 49 N DAY 20 DATA USE 1 BAROMETR 1004.1 SEA WIND-FCK DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 22.6 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 GRIG E55 021 1 SQUARE 47

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.6	OBS	00000	18.04	36.341	26.31		1518.2							
22.6	OBS	00029		36.376										
22.6	OBS	00053	17.08	36.415	26.60		1516.4							
22.6	OBS	00082	17.06	36.394	26.59		1516.8							
22.6	OBS	00106	17.04	36.403	26.60		1517.1							
22.6	OBS	00159	17.04	36.389	26.59		1518.0							
22.6	OBS	T00212	17.00	36.394	26.60		1516.7							
22.6	OBS	00320	16.93	36.379	26.61		1520.3							
22.6	OBS	00429	16.23	36.214	26.64		1519.7							
22.6	OBS	00537	15.00	36.006	26.76		1517.4							
22.6	OBS	00645	13.59	35.806	26.91		1514.4							

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TABLE XXXV.- Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station ECHO, 22 April 1971 - 15 May 1971, prepared from NODC listing No. 31 - 8272.

REF ID 31 8272 YEAR 1971 BUOY 03429 AIR TEMP 18.6 DIR HGT PER WIND DIR 24 INST STD RECORDER TEN SQ 1206  
 CONSEC 0001 MONTH 04 SHIP DG WFT BULB 17.0 WIND SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 22 DATA USE 1 BAROMETR 1019.4 SEA WIND FOR DURATION 00.3 2 SQUARE 48  
 LONG 049 25 W HOUR 23.9 AREA 05 CLOUD T/A CL/TP WEATHER X1 0416 E56 001 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	XYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SIG3	PH
23.9	OBS	0000	17.94											
	OBS	0010	17.74											
	OBS	0020	17.56											
	OBS	0030	17.45											
	OBS	0050	17.14											
	OBS	0075	17.09											
	OBS	0100	17.07											
	OBS	00125	17.04											
	OBS	00150	17.02											
	OBS	00200	16.98											
	OBS	00250	16.95											
	OBS	00300	16.92											
	OBS	00350	16.70											
	OBS	00400	16.08											
	OBS	00487	14.97											
	OBS	00500	15.03											
	OBS	00600	13.35											
	OBS	00700	11.78											
	OBS	00800	10.40											
	OBS	00900	08.73											
	OBS	01000	07.47											
	OBS	01100	06.71											
	OBS	01200	05.74											
	OBS	01300	05.32											
	OBS	01343	04.77											
	OBS	01390	04.99											
	OBS	01400	04.95											
	OBS	01500	04.63											

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REF ID 31 8272 YEAR 1971 BUOY 04369 AIR TEMP 19.0 DIR HGT PER WIND DIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 04 SHIP DG WFT BULB 17.2 WIND SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 23 DATA USE 1 BAROMETR 1020.7 SEA WIND FOR DURATION 00.5 2 SQUARE 45  
 LONG 048 03 W HOUR 11.9 AREA 05 CLOUD T/A CL/TP WEATHER X1 0416 E56 002 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	XYNDPTH	SND VEL	OXYG	P04	TOT P	N02	N03	SIG3	PH
11.9	OBS	0000	17.95											
	OBS	0010	17.70											
	OBS	0020	17.66											
	OBS	0030	17.63											
	OBS	0050	17.35											
	OBS	0075	17.15											
	OBS	00100	17.09											
	OBS	00125	17.05											
	OBS	00150	17.05											
	OBS	00200	17.03											
	OBS	00250	17.01											
	OBS	00300	16.99											
	OBS	00400	16.54											
	OBS	00500	15.16											
	OBS	00600	13.65											
	OBS	00700	11.85											
	OBS	00900	09.95											
	OBS	00900	07.80											
	OBS	01000	06.69											
	OBS	01100	05.89											
	OBS	01200	05.26											
	OBS	01300	04.99											
	OBS	01400	04.61											
	OBS	01500	04.32											
	OBS	01750	04.04											
	OBS	02000	03.85											
	OBS	02500	03.27											
	OBS	03000	02.90											

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TABLE XXXV. Continued

REF ID	REF DATE	YEAR	DATE	REF ID	REF DATE	YEAR	DATE	REF ID	REF DATE	YEAR	DATE	REF ID	REF DATE	YEAR	DATE
1	1947	1947	01	1	1947	1947	01	1	1947	1947	01	1	1947	1947	01

CA	NO	TYPE	DATE	TIME	AL	SE	WIND	WIND DIR	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY
1	1	A	01	17.17											
1	2	A	01	17.20											
1	3	A	01	17.23											
1	4	A	01	17.26											
1	5	A	01	17.29											
1	6	A	01	17.32											
1	7	A	01	17.35											
1	8	A	01	17.38											
1	9	A	01	17.41											
1	10	A	01	17.44											
1	11	A	01	17.47											
1	12	A	01	17.50											
1	13	A	01	17.53											
1	14	A	01	17.56											
1	15	A	01	17.59											
1	16	A	01	18.02											
1	17	A	01	18.05											
1	18	A	01	18.08											
1	19	A	01	18.11											
1	20	A	01	18.14											
1	21	A	01	18.17											
1	22	A	01	18.20											
1	23	A	01	18.23											
1	24	A	01	18.26											
1	25	A	01	18.29											
1	26	A	01	18.32											
1	27	A	01	18.35											
1	28	A	01	18.38											
1	29	A	01	18.41											
1	30	A	01	18.44											
1	31	A	01	18.47											
1	32	A	01	18.50											
1	33	A	01	18.53											
1	34	A	01	18.56											
1	35	A	01	18.59											
1	36	A	01	19.02											
1	37	A	01	19.05											
1	38	A	01	19.08											
1	39	A	01	19.11											
1	40	A	01	19.14											
1	41	A	01	19.17											
1	42	A	01	19.20											
1	43	A	01	19.23											
1	44	A	01	19.26											
1	45	A	01	19.29											
1	46	A	01	19.32											
1	47	A	01	19.35											
1	48	A	01	19.38											
1	49	A	01	19.41											
1	50	A	01	19.44											
1	51	A	01	19.47											
1	52	A	01	19.50											
1	53	A	01	19.53											
1	54	A	01	19.56											
1	55	A	01	19.59											
1	56	A	01	20.02											
1	57	A	01	20.05											
1	58	A	01	20.08											
1	59	A	01	20.11											
1	60	A	01	20.14											
1	61	A	01	20.17											
1	62	A	01	20.20											
1	63	A	01	20.23											
1	64	A	01	20.26											
1	65	A	01	20.29											
1	66	A	01	20.32											
1	67	A	01	20.35											
1	68	A	01	20.38											
1	69	A	01	20.41											
1	70	A	01	20.44											
1	71	A	01	20.47											
1	72	A	01	20.50											
1	73	A	01	20.53											
1	74	A	01	20.56											
1	75	A	01	20.59											
1	76	A	01	21.02											
1	77	A	01	21.05											
1	78	A	01	21.08											
1	79	A	01	21.11											
1	80	A	01	21.14											
1	81	A	01	21.17											
1	82	A	01	21.20											
1	83	A	01	21.23											
1	84	A	01	21.26											
1	85	A	01	21.29											
1	86	A	01	21.32											
1	87	A	01	21.35											
1	88	A	01	21.38											
1	89	A	01	21.41											
1	90	A	01	21.44											
1	91	A	01	21.47											
1	92	A	01	21.50											
1	93	A	01	21.53											
1	94	A	01	21.56											
1	95	A	01	21.59											
1	96	A	01	22.02											
1	97	A	01	22.05											
1	98	A	01	22.08											
1	99	A	01	22.11											
1	100	A	01	22.14											

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REF ID	REF DATE	YEAR	DATE	REF ID	REF DATE	YEAR	DATE	REF ID	REF DATE	YEAR	DATE	REF ID	REF DATE	YEAR	DATE
1	1947	1947	01	1	1947	1947	01	1	1947	1947	01	1	1947	1947	01

CA	NO	TYPE	DATE	TIME	AL	SE	WIND	WIND DIR	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY	WIND VELOCITY
1	1	A	01	18.17											
1	2	A	01	18.20											
1	3	A	01	18.23											
1	4	A	01	18.26											
1	5	A	01	18.29											
1	6	A	01	18.32											
1	7	A	01	18.35											
1	8	A	01	18.38											
1	9	A	01	18.41											
1	10	A	01	18.44											
1	11	A	01	18.47											
1	12	A	01	18.50											
1	13	A	01	18.53											
1	14	A	01	18.56											
1	15	A	01	18.59											
1	16	A	01	19.02											
1	17	A	01	19.05											
1	18	A	01	19.08											
1	19	A	01	19.11											
1	20	A	01	19.14											
1	21	A	01	19.17											
1	22	A	01	19.20											
1	23	A	01	19.23											
1	24	A	01	19.26											
1	25	A	01	19.29											
1	26	A	01	19.32											
1	27	A	01	19.35											
1	28	A	01	19.38											
1	29	A	01	19.41											
1	30	A	01	19.44											
1	31	A	01	19.47											
1	32	A	01	19.50											
1	33	A	01	19.53											
1	34	A	01	19.56											
1	35	A	01												

TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTOP 04572 AIR TEMP 19.3 DIF HGT PER WIND-DIP 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 04 SHIP DG WET BULB 18.4 22 2 2 WIND-SPF 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 25 DATA USE 1 BAROMETR 1021.7 SEA WIND-F3R DURATION 00.3 2 SQUARE 46  
 LONG 047 52 W HOUR 00.2 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E56 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
00.2	08S	00000	18.35	36.35	26.24		1519.1							
	08S	00010	18.35	36.34	26.23		1519.3							
	08S	00020	17.91	36.35	26.35		1518.2							
	08S	00030	17.74	36.35	26.39		1517.8							
	08S	00050	17.60	36.36	26.43		1517.8							
	08S	00075	17.28	36.35	26.50		1517.2							
	08S	00100	17.09	36.36	26.55		1517.1							
	08S	00125	17.00	36.36	26.57		1517.2							
	08S	00150	17.00	36.36	26.57		1517.6							
	08S	00200	16.99	36.37	26.58		1518.5							
	08S	00250	16.96	36.37	26.59		1519.2							
	08S	00300	16.90	36.37	26.61		1519.8							
	08S	00400	16.35	36.24	26.64		1519.7							
	08S	00500	15.11	36.01	26.74		1517.2							
	08S	00600	13.90	35.81	26.85		1514.7							
	08S	00700	12.00	35.50	27.00		1509.6							
	08S	00800	09.54	35.26	27.25		1502.2							
	08S	00850	08.59	35.20	27.36		1499.4							
	08S	00900	08.00	35.22	27.47		1498.0							
	08S	00950	07.21	35.07	27.46		1495.6							
	08S	01000	06.74	35.14	27.59		1494.7							
	08S	01100	05.91	35.09	27.66		1493.0							
	08S	01200	05.44	35.05	27.68		1492.7							
	08S	01240	04.99	35.00	27.70		1491.5							
	08S	01300	04.80	34.98	27.70		1491.7							
	08S	01380	04.61	34.97	27.72		1492.2							
	08S	01400	04.74	35.00	27.73		1493.1							
	08S	01500	04.66	35.00	27.74		1494.5							

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REFID 31 8272 YEAR 1971 BOTOP 04572 AIR TEMP 20.0 DIF HGT PER WIND-DIP 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0006 MONTH 04 SHIP DG WET BULB 18.7 22 2 2 WIND-SPF 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 25 DATA USE 1 BAROMETR 1020.4 SEA WIND-F3R DURATION 00.7 2 SQUARE 46  
 LONG 047 45 W HOUR 12.0 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E56 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
12.0	08S	00000	18.13	36.37	26.31		1518.5							
	08S	00010	18.14	36.37	26.30		1518.7							
	08S	00020	18.13	36.36	26.30		1518.8							
	08S	00030	18.11	36.38	26.32		1519.0							
	08S	00050	18.00	36.38	26.35		1519.0							
	08S	00075	17.54	36.41	26.48		1518.1							
	08S	00100	17.46	36.39	26.45		1518.2							
	08S	00125	17.25	36.39	26.54		1518.0							
	08S	00150	17.12	36.38	26.56		1518.0							
	08S	00200	17.05	36.38	26.58		1518.6							
	08S	00250	16.98	36.37	26.59		1519.2							
	08S	00300	16.92	36.35	26.59		1519.9							
	08S	00400	16.08	36.18	26.65		1518.8							
	08S	00500	14.87	35.95	26.75		1516.4							
	08S	00600	13.62	35.73	26.85		1513.7							
	08S	00700	11.24	35.41	27.07		1506.8							
	08S	00800	08.63	35.14	27.31		1498.7							
	08S	00900	06.73	35.02	27.49		1492.8							
	08S	01000	05.99	35.03	27.61		1491.3							
	08S	01100	05.31	35.01	27.67		1490.5							
	08S	01200	04.87	34.98	27.70		1490.3							
	08S	01300	04.57	34.96	27.71		1490.7							
	08S	01400	04.37	34.95	27.73		1491.6							
	08S	01500	04.22	34.95	27.74		1492.6							
	08S	01580	04.15	34.94	27.74		1493.7							
	08S	01720	04.27	34.99	27.77		1496.6							
	08S	01750	04.21	34.99	27.78		1496.8							
	08S	02000	03.88	34.97	27.80		1499.7							
	08S	02500	03.40	34.96	27.84		1506.2							
	08S	03000	02.95	34.93	27.86		1512.8							

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TABLE XXXV.—Continued

REF ID: A1 0272 YEAR: 1971 BOTOP: 04939 AIR TEMP: 19.6 DIR HGT FER: WIND-DIR: 22 INST STD RECORDER: TEN SQ 1206  
 CONSID: 0007 MONTH: 04 SHIP DG: WET BULB: 18.7 22 3 2 WIND-SPD: 17 TRACE DIR: 0 5 SQUARE 0  
 LAT: 34 44 N DAY: 25 DATA USE: 1 BAROMETR: 1019.2 SEA WIND-FER: DURATION: 00.4 2 SQUARE 46  
 LONG: 047 40 W HOUR: 23.6 AREA: 05 CLOUD: T/A CLZTR: WEATHER: XI DRIG: F56 007 1 SQUARE 47

CASNO	TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
23.6	085	00000	18.59												
	085	00010	18.60												
	085	00020	18.59												
	085	00030	18.60												
	085	00050	18.10												
	085	00075	17.64												
	085	00100	17.12	36.33	26.52			1517.1							
	085	00125	16.91	36.30	26.55			1516.9							
	085	00150	16.87	36.31	26.57			1517.2							
	085	00200	16.70	36.30	26.60			1517.5							
	085	00250	16.48	36.26	26.62			1517.6							
	085	00300	16.00	36.18	26.67			1516.9							
	085	00330	15.09	36.32	26.76			1515.5							
	085	00300	14.00	35.84	26.85			1513.4							
	085	00400	12.45	35.60	26.94			1504.6							
	085	00700	10.66	35.31	27.10			1504.6							
	085	00800	08.64	35.10	27.27			1498.6							
	085	00900	06.75	35.03	27.50			1492.9							
	085	01000	05.97	35.04	27.61			1491.5							
	085	01100	05.29	35.01	27.67			1490.4							
	085	01200	04.90	35.00	27.71			1490.4							
	085	01300	04.64	34.98	27.72			1491.0							
	085	01400	04.40	34.96	27.73			1491.7							
	085	01500	04.33	34.95	27.73			1493.1							

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REF ID: A1 0272 YEAR: 1971 BOTOP: 04972 AIR TEMP: 20.0 DIR HGT FER: WIND-DIR: 21 INST STD RECORDER: TEN SQ 1206  
 CONSID: 0004 MONTH: 04 SHIP DG: WET BULB: 18.6 21 3 2 WIND-SPD: 25 TRACE DIR: 0 5 SQUARE 2  
 LAT: 34 48 N DAY: 26 DATA USE: 1 BAROMETR: 1017.6 SEA WIND-FER: DURATION: 01.0 2 SQUARE 46  
 LONG: 047 54 W HOUR: 11.7 AREA: 05 CLOUD: T/A CLZTR: WEATHER: XI DRIG: F56 008 1 SQUARE 47

CASNO	TIME	LVL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIC3	PH
11.7	085	00000	18.24	36.40	26.30			1518.9							
	085	00010	18.23	36.40	26.30			1519.0							
	085	00020	18.14	36.39	26.34			1518.9							
	085	00030	17.74	36.40	26.43			1517.9							
	085	00050	17.42	36.38	26.45			1517.3							
	085	00075	17.14	36.39	26.50			1516.9							
	085	00100	17.14	36.42	26.59			1517.3							
	085	00125	17.11	36.41	26.59			1517.6							
	085	00150	17.07	36.41	26.60			1517.9							
	085	00200	17.04	36.42	26.61			1518.7							
	085	00250	17.02	36.42	26.62			1519.4							
	085	00300	16.97	36.40	26.61			1520.1							
	085	00400	16.06	36.21	26.68			1518.7							
	085	00500	14.73	35.98	26.80			1515.9							
	085	00600	13.28	35.76	26.94			1512.6							
	085	00700	11.03	35.41	27.11			1506.1							
	085	00800	09.95	35.21	27.31			1499.9							
	085	00900	07.39	35.20	27.54			1495.7							
	085	01000	06.47	35.17	27.65			1493.7							
	085	01100	04.76	35.12	27.70			1492.4							
	085	01200	05.19	35.09	27.74			1491.8							
	085	01300	04.61	35.01	27.75			1491.0							
	085	01400	04.61	34.99	27.76			1491.8							
	085	01500	04.27	34.98	27.76			1492.9							
	085	01750	04.01	34.99	27.80			1496.0							
	085	01910	04.09	35.00	27.80			1497.4							
	085	02000	03.85	34.99	27.82			1499.6							
	085	02500	01.35	34.96	27.84			1506.0							
	085	03000	02.95	34.94	27.86			1512.9							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 SOTOP 04572 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 04 SHIP DG WET BULB 18.5 23 3 2 WIND-SPD 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 26 DATA USE 1 BAROMETR 1016.8 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 03 W HOUR 23.9 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E56 009 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S173	PH
23.9	OBS	00000	18.24											
	OBS	00010	18.24											
	OBS	00020	18.24											
	OBS	00030	18.24											
	OBS	00050	17.84											
	OBS	00075	17.61											
	OBS	00100	17.40											
	OBS	00125	17.17											
	OBS	00150	17.08											
	OBS	00200	17.04											
	OBS	00250	17.04											
	OBS	00300	16.94											
	OBS	00370	16.68											
	OBS	00400	16.38											
	OBS	00480	15.23											
	OBS	00500	15.18											
	OBS	00600	13.75											
	OBS	00700	11.66											
	OBS	00800	09.62											
	OBS	00900	08.11											
	OBS	00960	07.04											
	OBS	00970	07.19											
	OBS	01000	06.86											
	OBS	01100	06.12											
	OBS	01200	05.43											
	OBS	01300	05.11											
	OBS	01400	04.71											
	OBS	01500	04.57											

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REFID 31 8272 YEAR 1971 SOTOP 04938 AIR TEMP 19.9 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 04 SHIP DG WET BULB 18.8 19 5 3 WIND-SPD 2R TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 27 DATA USE 1 BAROMETR 1014.4 SEA WIND-FDR DURATION 00.5 2 SQUARE 48  
 LONG 048 07 W HOUR 23.8 AREA 05 CLCUD T/A CL/TR WEATHER X2 ORIG E56 010 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S173	PH
23.8	OBS	00000	18.15											
	OBS	00010	18.15											
	OBS	00020	18.15											
	OBS	00030	18.15											
	OBS	00050	18.10											
	OBS	00075	17.75											
	OBS	00100	17.58											
	OBS	00125	17.24											
	OBS	00150	17.14											
	OBS	00200	17.00											
	OBS	00250	16.91											
	OBS	00300	16.70											
	OBS	00400	15.87											
	OBS	00500	15.00											
	OBS	00600	13.70											
	OBS	00700	12.28											
	OBS	00800	09.94											
	OBS	00840	09.12											
	OBS	00852	09.10											
	OBS	00900	08.65											
	OBS	01000	07.20											
	OBS	01100	06.29											
	OBS	01200	05.61											
	OBS	01300	05.07											
	OBS	01316	05.01											
	OBS	01400	04.77											
	OBS	01500	04.46											

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TABLE XXXV.—Continued

REF ID 31 8272 YEAR 1971 BOTOP 04938 AIR TEMP 19.9 DIR HGT PER WIND-DIR 17 INST STO RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 04 SHIP DG WET BULB 18.6 19 4 3 WIND-SPO 26 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 28 DATA USE 1 BAROMETR 1012.5 SEA WIND-FOR DURATION 00.9 2 SQUARE 48  
 LONG 048 00 W HOUR 11.0 AREA 05 CLOUD T/A CL/TR WEATHER X6 ORIG E56 011 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.0	DBS	00000	18.31											
	DBS	00010	18.31											
	DBS	00020	18.24											
	DBS	00030	17.72											
	DBS	00050	17.60											
	DBS	00075	17.32											
	DBS	00100	17.21											
	DBS	00125	17.12											
	DBS	00150	17.06											
	DBS	00200	16.97											
	DBS	00250	16.84											
	DBS	00300	16.73											
	DBS	00400	15.76											
	DBS	00500	14.35											
	DBS	00600	12.84											
	DBS	00700	11.11											
	DBS	00800	09.02											
	DBS	00900	07.15											
	DBS	00960	06.52											
	DBS	00980	06.60											
	DBS	01000	06.54											
	DBS	01100	05.87											
	DBS	01200	05.33											
	DBS	01300	04.92											
	DBS	01400	04.37											
	DBS	01430	04.68											
	DBS	01500	04.43											
	DBS	01750	04.15											
	DBS	02000	03.82											
	DBS	02500	03.29											
	DBS	03000	02.05											

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REF ID 31 8272 YEAR 1971 BOTOP 04938 AIR TEMP 18.8 DIR HGT PER WIND-DIR 25 INST STO RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 04 SHIP DG WET BULB 15.3 25 3 3 WIND-SPO 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 47 N DAY 28 DATA USE 1 BAROMETR 1010.1 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 23.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 012 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.0	DBS	00000	18.25	36.25	26.18		1518.7							
	DBS	00010	18.26	36.26	26.19		1518.9							
	DBS	00020	18.25	36.29	26.21		1519.1							
	DBS	00030	18.01	36.36	26.33		1518.6							
	DBS	00050	17.76	36.38	26.41		1518.3							
	DBS	00075	17.52	36.37	26.46		1518.0							
	DBS	00100	17.34	36.37	26.50		1517.8							
	DBS	00125	17.27	36.38	26.52		1518.1							
	DBS	00150	17.14	36.38	26.56		1518.1							
	DBS	00200	17.04	36.39	26.59		1518.6							
	DBS	00250	16.95	36.38	26.60		1519.2							
	DBS	00300	16.74	36.34	26.62		1519.3							
	DBS	00350	16.48	36.28	26.64		1519.3							
	DBS	00400	15.96	36.18	26.68		1519.4							
	DBS	00500	14.56	35.94	26.81		1515.4							
	DBS	00600	13.17	35.72	26.93		1512.2							
	DBS	00660	12.45	35.56	26.95		1510.5							
	DBS	00700	11.17	35.42	27.05		1506.6							
	DBS	00800	08.90	35.20	27.30		1500.1							
	DBS	00833	08.43	35.17	27.36		1496.5							
	DBS	00900	07.90	35.20	27.47		1497.6							
	DBS	01000	06.66	35.16	27.61		1494.4							
	DBS	01100	05.76	35.11	27.69		1492.4							
	DBS	01200	05.27	35.07	27.72		1492.1							
	DBS	01300	04.88	35.04	27.74		1492.1							
	DBS	01400	04.66	35.02	27.75		1492.8							
	DBS	01500	04.41	35.02	27.78		1492.5							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BCTOP 04936 AIR TEMP 18.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MCNTH 04 SHIP DG WET BULB 14.7 25 2 4 WIND-SFD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 29 DATA USE 1 BAROMETR 1014.8 SEA WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 58 W HOUR 11.8 AREA 05 CLOUD T/A CLZTH WEATHER XI ORIG ESS 013 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P24	TCT P	NO2	NO3	SI13	PH
11.8	OBS	0000	18.33	36.31	25.21		1519.0							
	OBS	00010	18.33	36.34	26.23		1519.2							
	OBS	00020	18.32	36.36	26.25		1519.4							
	OBS	00030	18.32	36.37	26.26		1519.5							
	OBS	00050	18.26	36.38	26.27		1519.7							
	OBS	00075	17.77	36.43	26.44		1518.8							
	OBS	00100	17.72	36.41	26.44		1519.0							
	OBS	00125	17.37	36.40	26.52		1518.4							
	OBS	00150	17.28	36.39	26.53		1518.5							
	OBS	00200	16.91	36.35	26.59		1518.2							
	OBS	00250	16.74	36.35	26.63		1518.5							
	OBS	00300	16.76	36.35	26.62		1518.4							
	OBS	00360	16.57	36.32	26.67		1519.8							
	OBS	00400	16.09	36.22	26.68		1518.8							
	OBS	00500	14.49	35.96	26.94		1515.2							
	OBS	00600	13.14	35.77	26.97		1513.3							
	OBS	00700	11.35	35.47	27.10		1507.3							
	OBS	00800	09.18	35.23	27.29		1500.8							
	OBS	00820	08.89	35.16	27.28		1500.0							
	OBS	00900	07.73	35.17	27.47		1496.9							
	OBS	00910	07.51	35.15	27.48		1496.2							
	OBS	00920	07.63	35.21	27.51		1496.9							
	OBS	01000	06.77	35.18	27.61		1494.9							
	OBS	01100	06.01	35.15	27.65		1493.5							
	OBS	01200	05.33	35.10	27.74		1492.3							
	OBS	01300	04.91	35.07	27.76		1492.3							
	OBS	01400	04.76	35.05	27.76		1493.3							
	OBS	01450	04.32	35.00	27.77		1492.3							
	OBS	01500	04.23	35.00	27.78		1492.7							
	OBS	01750	04.95	34.99	27.80		1495.3							
	OBS	01780	03.94	34.98	27.80		1496.2							
	OBS	01850	04.03	35.00	27.80		1497.8							
	OBS	02000	03.78	34.98	27.81		1499.3							
	OBS	02500	03.37	34.98	27.86		1506.1							
	OBS	03000	02.93	34.96	27.88		1512.8							

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REFID 31 8272 YEAR 1971 BCTOP 04755 AIR TEMP 18.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MCNTH 04 SHIP DG WET BULB 15.1 27 2 4 WIND-SFD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 48 N DAY 29 DATA USE 1 BAROMETR 1020.6 SEA WIND-FDR DURATION 00.2 2 SQUARE 48  
 LONG 048 13 W HOUR 23.9 AREA 05 CLOUD T/A CLZTH WEATHER XI ORIG ESS 014 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P24	TCT P	NO2	NO3	SI13	PH
23.9	OBS	0000	18.05	36.27	25.25		1518.2							
	OBS	00010	18.05	36.27	26.25		1518.3							
	OBS	00020	18.00	36.30	26.28		1518.4							
	OBS	00030	17.98	36.31	26.30		1518.5							
	OBS	00050	17.90	36.36	26.36		1518.7							
	OBS	00075	17.37	36.36	26.45		1517.5							
	OBS	00100	17.21	36.35	26.52		1517.4							
	OBS	00125	17.13	36.34	26.53		1517.6							
	OBS	00150	17.17	36.39	26.56		1518.2							
	OBS	00200	17.05	36.36	26.58		1518.6							
	OBS	00250	16.96	36.36	26.58		1519.2							
	OBS	00300	16.78	36.33	26.60		1519.4							
	OBS	00400	16.14	36.17	26.63		1518.9							
	OBS	00500	14.82	35.96	26.77		1516.2							
	OBS	00550	14.54	35.96	26.82		1514.3							
	OBS	00600	13.50	35.75	26.85		1513.3							
	OBS	00700	11.60	35.48	27.06		1508.2							
	OBS	00800	09.53	35.23	27.22		1502.1							
	OBS	00830	09.35	35.18	27.22		1501.9							
	OBS	00851	08.70	35.15	27.30		1499.8							
	OBS	00900	07.96	35.10	27.38		1497.7							
	OBS	01000	07.15	35.17	27.55		1496.3							
	OBS	01100	06.11	35.10	27.64		1493.8							
	OBS	01200	05.61	35.07	27.66		1494.4							
	OBS	01300	05.17	35.05	27.72		1493.3							
	OBS	01400	04.75	35.01	27.73		1493.2							
	OBS	01500	04.49	34.99	27.75		1493.8							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 RCTOP 04663 AIR TEMP 19.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 04 SHIP DG WET BULB 18.0 21 1 2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 52 N DAY 30 DATA USE 1 BAROMETP 1017.5 SEA WIND-FJR DURATION 00.5 2 SQUARE 48  
 LONG 046 07 W HOUR 11.8 AREA 05 CLOUD T/A CL/T/A WEATHER X6 ORIG E56 015 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P34	TOT P	NO2	NO3	SIG3	PH
11.8	085	00000	18.35	36.29	26.15		1519.0							
	085	00010	18.35	36.30	26.20		1519.2							
	085	00020	18.35	36.33	26.22		1519.4							
	085	00030	18.33	36.35	26.24		1519.6							
	085	00050	17.85	36.36	26.37		1518.5							
	085	00075	17.64	36.38	26.43		1518.3							
	085	00100	17.40	36.40	26.51		1518.1							
	085	00125	17.13	36.35	26.54		1517.6							
	085	00150	17.07	36.36	26.56		1517.9							
	085	00200	16.94	36.36	26.59		1518.3							
	085	00250	16.81	36.32	26.59		1516.7							
	085	00300	16.62	36.30	26.62		1518.9							
	085	00400	15.79	36.15	26.70		1517.8							
	085	00500	14.68	35.96	26.80		1515.8							
	085	00600	13.29	35.72	26.91		1512.6							
	085	00700	11.85	35.54	27.06		1509.1							
	085	00800	09.63	35.20	27.19		1502.4							
	085	00860	08.25	35.12	27.35		1498.2							
	085	00900	07.84	35.14	27.43		1497.3							
	085	00960	07.11	35.09	27.49		1495.4							
	085	01000	06.89	35.15	27.57		1495.3							
	085	01100	06.14	35.11	27.64		1494.0							
	085	01200	05.42	35.07	27.70		1492.7							
	085	01300	04.83	35.03	27.74		1491.9							
	085	01400	04.52	35.00	27.75		1492.2							
	085	01500	04.29	34.97	27.75		1492.9							
	085	01750	04.05	34.97	27.78		1496.1							
	085	02000	03.86	34.97	27.80		1499.6							
	085	02500	03.34	34.95	27.83		1505.9							
	085	03000	02.88	34.91	27.85		1512.5							

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REFID 31 8272 YEAR 1971 RCTOP 04320 AIR TEMP 19.7 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 04 SHIP DG WET BULB 18.8 23 4 3 WIND-SPD 24 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 30 DATA USE 1 BAROMETP 1015.6 SEA WIND-FJR DURATION 00.3 2 SQUARE 48  
 LONG 048 04 W HOUR 23.9 AREA 05 CLOUD T/A CL/T/A WEATHER X6 ORIG F56 016 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P34	TOT P	NO2	NO3	SIG3	PH
23.9	085	00000	18.33	36.33	26.23		1519.0							
	085	00010	18.33	36.33	26.23		1519.2							
	085	00020	18.33	36.32	26.22		1519.4							
	085	00030	18.27	36.32	26.23		1519.3							
	085	00050	17.55	36.40	26.47		1517.7							
	085	00075	17.49	36.41	26.49		1517.9							
	085	00100	17.39	36.42	26.53		1518.1							
	085	00125	17.36	36.42	26.53		1518.4							
	085	00150	17.31	36.42	26.55		1518.6							
	085	00200	17.12	36.40	26.58		1518.9							
	085	00220	17.06	36.39	26.58		1519.0							
	085	00250	17.04	36.41	26.60		1519.5							
	085	00270	17.05	36.42	26.61		1519.8							
	085	00300	16.97	36.40	26.61		1520.1							
	085	00400	16.51	36.27	26.62		1520.2							
	085	00500	14.94	35.99	26.77		1516.6							
	085	00600	13.81	35.83	26.89		1514.4							
	085	00700	12.17	35.58	27.02		1510.3							
	085	00800	10.15	35.36	27.23		1504.5							
	085	00900	07.74	35.10	27.41		1496.9							
	085	01000	06.33	35.04	27.56		1492.9							
	085	01030	06.22	35.04	27.58		1493.0							
	085	01070	05.61	35.03	27.65		1491.2							
	085	01080	05.67	35.03	27.64		1491.6							
	085	01100	05.45	35.07	27.65		1491.3							
	085	01120	05.84	35.11	27.68		1493.1							
	085	01200	05.38	35.09	27.72		1492.5							
	085	01300	05.08	35.07	27.74		1493.0							
	085	01400	04.86	35.05	27.75		1493.7							
	085	01500	04.76	35.04	27.76		1495.0							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 ROTDP 03983 AIR TEMP 19.7 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 05 SHIP DG WET BULB 16.2 24 3 2 WIND-SPO 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 31 DATA USE 1 BAROMETR 1018.4 SEA WIND-FOR 4 DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HGUF 12.1 AREA 05 CLOUD T/A CL/TF WEATHER XZ DRIN E56 017 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIG3	PH
12.1	08S	00000	18.15	36.33	26.27		1518.5							
	08S	00010	18.14	36.32	26.27		1518.6							
	08S	00020	18.11	36.32	26.27		1518.7							
	08S	00030	18.09	36.34	26.25		1518.8							
	08S	00050	17.85	36.42	26.41		1518.6							
	08S	00075	17.46	36.45	26.53		1517.9							
	08S	00100	17.35	36.45	26.55		1518.1							
	08S	00125	17.28	36.44	26.57		1518.2							
	08S	00150	17.23	36.44	26.58		1518.4							
	08S	00200	17.04	36.43	26.62		1518.7							
	08S	00250	16.98	36.42	26.63		1519.3							
	08S	00300	16.93	36.43	26.65		1520.0							
	08S	00400	16.66	36.35	26.65		1520.7							
	08S	00500	14.90	36.02	26.80		1516.5							
	08S	00600	13.94	35.87	26.86		1514.9							
	08S	00700	11.70	35.55	27.08		1508.8							
	08S	00800	10.23	35.40	27.24		1504.9							
	08S	00900	08.21	35.22	27.43		1498.8							
	08S	00970	07.77	35.27	27.54		1498.4							
	08S	01000	07.24	35.21	27.57		1496.8							
	08S	01100	05.61	35.07	27.65		1491.8							
	08S	01200	05.11	35.07	27.74		1491.4							
	08S	01240	05.31	35.11	27.75		1492.9							
	08S	01300	05.11	35.07	27.74		1493.1							
	08S	01358	04.53	35.02	27.77		1491.6							
	08S	01400	04.42	35.01	27.77		1491.8							
	08S	01480	04.25	35.00	27.78		1492.5							
	08S	01500	04.20	35.02	27.75		1493.0							
	08S	01520	04.39	35.02	27.78		1492.7							
	08S	01750	04.15	35.01	27.80		1496.6							
	08S	02000	03.91	34.99	27.81		1499.8							
	08S	02500	03.35	34.99	27.87		1506.0							
	08S	03000	02.94	34.96	27.88		1512.8							

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REFID 31 8272 YEAR 1971 ROTDP 04206 AIR TEMP 16.4 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0018 MONTH 05 SHIP DG WET BULB 15.0 26 3 4 WIND-SPO 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR 4 DURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HGUF 23.6 AREA 05 CLOUD T/A CL/TF WEATHER XZ DRIN E56 018 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIG3	PH
23.0	08S	00000	18.25	36.34	26.25		1518.8							
	08S	00010	18.25	36.34	26.25		1519.0							
	08S	00020	18.24	36.34	26.26		1519.1							
	08S	00030	18.21	36.35	26.27		1519.2							
	08S	00050	18.01	36.36	26.33		1519.0							
	08S	00075	17.53	36.41	26.46		1518.0							
	08S	00100	17.42	36.41	26.51		1518.1							
	08S	00125	17.33	36.40	26.53		1518.3							
	08S	00150	17.28	36.40	26.54		1518.5							
	08S	00200	17.13	36.38	26.56		1518.9							
	08S	00250	17.06	36.38	26.58		1519.5							
	08S	00300	17.02	36.38	26.59		1520.2							
	08S	00360	16.92	36.35	26.59		1520.8							
	08S	00400	16.65	36.29	26.60		1520.6							
	08S	00500	15.37	36.05	26.72		1518.0							
	08S	00600	13.60	35.76	26.88		1513.7							
	08S	00670	13.01	35.66	26.92		1512.7							
	08S	00700	12.35	35.59	27.00		1510.4							
	08S	00800	10.28	35.36	27.20		1505.0							
	08S	00900	07.84	35.08	27.38		1497.2							
	08S	01000	6.42	35.03	27.54		1493.3							
	08S	01050	6.11	35.07	27.61		1492.9							
	08S	01065	6.31	35.11	27.62		1494.0							
	08S	01100	6.03	35.10	27.65		1493.5							
	08S	01200	05.49	35.08	27.70		1493.0							
	08S	01300	05.10	35.05	27.72		1493.0							
	08S	01400	04.77	35.03	27.75		1493.3							
	08S	01500	04.63	35.02	27.75		1494.4							

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TABLE XXXV--Continued

REF ID: A1 8272 YEAR: 1971 BUOY: 04749 AIR TEMP: 19.4 DIF HGT: PEP WIND-DIR: 27 INST. STD. RECORDER TEN SQ. 1206  
 CONSEC: 0019 MONTH: 05 SHIP: DG WET BULB: 18.7 WIND-SPD: 21 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 34 52 N DAY: 02 DATA USE: 1 BAROMETER: 1020.6 SEA WIND-FUR: 00.0 DURATION: 00.0 2 SQUARE: 48  
 LONG: 048 03 W HOUR: 11.9 AREA: 05 CLOUD: T/A CLZTR: WEATHER: 01 CRIG: E56 119 1 SQUARE: 48

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	PXYG	PJ4	TOT P	NO2	NO3	SIJ3	PH
11.9	085	00000	18.30	36.32	26.22		1518.9							
	085	00010	18.27	36.32	26.23		1519.0							
	085	00020	18.25	36.33	26.23		1519.1							
	085	00030	18.23	36.33	26.25		1519.2							
	085	00050	18.19	36.32	26.25		1519.4							
	085	00075	17.53	36.40	26.48		1518.0							
	085	00100	17.44	36.40	26.50		1518.2							
	085	00125	17.33	36.40	26.53		1518.3							
	085	00150	17.25	36.38	26.53		1518.4							
	085	00200	17.08	36.37	26.56		1518.7							
	085	00250	17.00	36.37	26.58		1519.3							
	085	00300	16.76	36.38	26.60		1520.0							
	085	00400	16.64	36.33	26.61		1520.6							
	085	00500	14.94	35.99	26.75		1516.8							
	085	00600	13.18	35.72	26.73		1517.2							
	085	00700	11.87	35.55	27.06		1509.2							
	085	00800	10.21	35.36	27.22		1504.8							
	085	00900	07.92	35.09	27.38		1497.6							
	085	01000	06.23	35.03	27.57		1492.5							
	085	01100	05.89	35.11	27.67		1493.0							
	085	01120	05.54	35.06	27.68		1491.8							
	085	01150	05.63	35.10	27.70		1492.7							
	085	01200	05.42	35.08	27.71		1492.7							
	085	01300	04.59	35.05	27.74		1492.6							
	085	01400	04.64	35.02	27.75		1492.8							
	085	01460	04.40	34.98	27.75		1492.7							
	085	01500	04.55	35.02	27.76		1494.1							
	085	01520	04.40	34.99	27.76		1493.7							
	085	01560	04.21	34.97	27.76		1493.6							
	085	01750	04.12	34.98	27.78		1496.4							
	085	02000	03.79	34.98	27.81		1499.3							
	085	02500	03.34	34.97	27.85		1505.9							
	085	03000	02.94	34.94	27.86		1512.8							

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REF ID: 31 8272 YEAR: 1971 BUOY: 04389 AIR TEMP: 19.6 DIF HGT: PEP WIND-DIR: 23 INST. STD. RECORDER TEN SQ. 1206  
 CONSEC: 0020 MONTH: 05 SHIP: DG WET BULB: 18.7 WIND-SPD: 21 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 34 58 N DAY: 03 DATA USE: 1 BAROMETER: 1020.6 SEA WIND-FUR: 00.0 DURATION: 00.2 2 SQUARE: 46  
 LONG: 047 57 W HOUR: 00.1 AREA: 05 CLOUD: T/A CLZTR: WEATHER: 01 CRIG: E56 020 1 SQUARE: 47

CASSTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	PXYG	PJ4	TOT P	NO2	NO3	SIJ3	PH
00.1	085	00000	18.23	36.29	26.22		1518.7							
	085	00010	18.22	36.29	26.22		1518.8							
	085	00020	18.22	36.29	26.22		1519.0							
	085	00030	18.22	36.29	26.22		1519.2							
	085	00050	18.04	36.31	26.28		1519.0							
	085	00058	17.63	36.37	26.43		1518.0							
	085	00075	17.47	36.39	26.48		1517.8							
	085	00100	17.29	36.39	26.53		1517.7							
	085	00125	17.14	36.38	26.56		1517.7							
	085	00150	17.09	36.38	26.57		1517.9							
	085	00200	17.04	36.38	26.58		1515.6							
	085	00250	16.49	36.39	26.60		1519.3							
	085	00300	16.45	36.38	26.60		1520.0							
	085	00350	16.85	36.35	26.60		1520.5							
	085	00400	16.47	36.28	26.64		1520.1							
	085	00500	15.02	35.99	26.75		1516.9							
	085	00600	13.92	35.84	26.87		1514.8							
	085	00700	11.92	35.53	27.03		1509.4							
	085	00800	10.32	35.37	27.20		1504.2							
	085	00900	08.54	35.19	27.36		1500.0							
	085	00960	07.82	35.19	27.47		1498.3							
	085	00975	07.57	35.27	27.51		1499.2							
	085	01000	07.05	35.04	27.50		1495.9							
	085	01100	05.56	35.00	27.63		1491.5							
	085	01150	05.38	35.01	27.66		1491.6							
	085	01180	05.50	35.05	27.68		1492.6							
	085	01200	05.40	35.03	27.67		1492.5							
	085	01250	04.49	34.98	27.69		1491.2							
	085	01280	05.12	35.05	27.72		1492.8							
	085	01300	04.97	35.03	27.72		1492.5							
	085	01345	04.88	35.02	27.73		1492.8							
	085	01400	04.61	34.98	27.73		1492.6							
	085	01430	04.37	34.95	27.73		1492.1							
	085	01500	04.53	34.99	27.74		1493.9							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDP 04480 AIR TEMP 20.0 DIP HGT FER WIND-DIR 24 INST STO RECORDER TEN SQ 1206  
 CONSEC 0021 MONTH 05 SHIP 06 WET BULB 17.9 SEA 2 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 03 DATA USE 1 BAROMETR 1024.5 WIND-FGR DURATION 00.5 2 SQUARE 46  
 LONG 047 53 W HOUR 11.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIF E56 021 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	BYNPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	S103	PH
11.9	08S	00000	18.27	36.29	26.21		1518.8							
	08S	00010	18.25	36.30	26.22		1518.5							
	08S	00020	18.18	36.30	26.24		1518.9							
	08S	00030	18.03	36.33	26.30		1518.7							
	08S	00050	17.48	36.37	26.47		1517.9							
	08S	00075	17.32	36.37	26.51		1517.4							
	08S	00100	17.17	36.36	26.53		1517.3							
	08S	00125	17.09	36.35	26.54		1517.5							
	08S	00150	17.03	36.34	26.57		1517.7							
	08S	00200	16.99	36.37	26.58		1518.5							
	08S	00250	16.96	36.37	26.59		1519.2							
	08S	00300	16.77	36.33	26.61		1519.4							
	08S	00400	15.82	36.15	26.69		1517.9							
	08S	00450	14.94	35.98	26.76		1515.8							
	08S	00460	14.95	36.06	26.77		1516.7							
	08S	00500	14.75	36.06	26.82		1516.0							
	08S	00600	13.63	35.77	26.88		1515.8							
	08S	00700	11.35	35.45	27.06		1507.3							
	08S	00800	09.48	35.27	27.27		1502.0							
	08S	00900	08.46	35.16	27.35		1499.7							
	08S	00970	07.46	35.22	27.55		1497.1							
	08S	01000	06.58	35.07	27.55		1494.0							
	08S	01100	05.58	35.01	27.63		1491.6							
	08S	01200	05.02	35.01	27.70		1491.0							
	08S	01240	04.85	35.01	27.72		1490.9							
	08S	01250	05.14	35.07	27.74		1492.4							
	08S	01300	04.82	35.02	27.73		1491.8							
	08S	01400	04.43	34.99	27.75		1491.9							
	08S	01420	04.61	35.02	27.76		1493.0							
	08S	01440	04.44	34.99	27.75		1492.6							
	08S	01500	04.35	34.99	27.76		1493.2							
	08S	01750	03.96	34.96	27.78		1495.8							
	08S	02000	03.69	34.95	27.80		1498.8							
	08S	02500	03.39	34.95	27.83		1506.1							
	08S	03000	02.98	34.93	27.85		1513.0							

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REFID 31 8272 YEAR 1971 BOTDP 04480 AIR TEMP 18.4 DIP HGT FER WIND-DIR 13 INST STO RECORDER TEN SQ 1236  
 CONSEC 0022 MONTH 05 SHIP 06 WET BULB 16.7 SEA 4 3 WIND-SPD 11 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 04 DATA USE 1 BAROMETR 1029.8 WIND-FGR DURATION 00.2 2 SQUARE 46  
 LONG 047 58 W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIF E56 022 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	BYNPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	S103	PH
00.1	08S	00000	18.63	36.31	26.13		1519.9							
	08S	00010	18.29	36.31	26.22		1519.1							
	08S	00020	18.26	36.32	26.24		1519.1							
	08S	00030	18.22	36.32	26.25		1519.2							
	08S	00050	17.95	36.34	26.33		1518.3							
	08S	00075	17.47	36.40	26.49		1517.3							
	08S	00100	17.32	36.41	26.54		1517.8							
	08S	00125	17.26	36.41	26.55		1518.1							
	08S	00150	17.15	36.40	26.57		1518.1							
	08S	00200	17.02	36.39	26.59		1518.6							
	08S	00250	16.99	36.40	26.61		1519.3							
	08S	00300	16.90	36.38	26.61		1519.8							
	08S	00400	16.16	36.21	26.66		1519.0							
	08S	00500	15.13	36.04	26.76		1517.3							
	08S	00600	13.92	35.86	26.89		1514.8							
	08S	00700	12.05	35.56	27.03		1509.8							
	08S	00800	10.33	35.38	27.21		1505.2							
	08S	00900	08.17	35.21	27.43		1498.7							
	08S	00960	07.60	35.07	27.41		1497.3							
	08S	00970	06.47	35.05	27.49		1495.0							
	08S	01000	06.26	35.03	27.56		1492.7							
	08S	01100	05.44	35.05	27.68		1491.1							
	08S	01135	05.49	35.10	27.72		1491.9							
	08S	01200	05.22	35.05	27.71		1491.8							
	08S	01300	04.61	34.99	27.73		1490.9							
	08S	01400	04.41	34.99	27.76		1491.8							
	08S	01500	04.25	34.97	27.76		1492.8							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTOP 04572 AIR TEMP 19.5 OIP HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0023 MONTH 05 SHIP DG WET BULB 17.9 35 1 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2  
 LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1029.7 SEA WIND-FOR OMFATION 00.7 2 SQUARE 46  
 LCNG 047 57 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E56 023 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIG3	PH
11.8	085	00000	18.50	36.31	26.17		1519.5							
	085	00010	18.47	36.31	26.17		1519.6							
	085	00020	18.24	36.32	26.24		1519.1							
	085	00030	18.16	36.34	26.28		1516.1							
	085	00050	17.60	36.40	26.46		1517.8							
	085	00070	17.34	36.42	26.53		1517.6							
	085	00100	17.19	36.40	26.56		1517.4							
	085	00125	17.12	36.40	26.58		1517.0							
	085	00150	17.06	36.40	26.59		1517.0							
	085	00200	16.99	36.40	26.61		1516.5							
	085	00250	16.98	36.40	26.61		1519.3							
	085	00300	16.96	36.40	26.62		1520.0							
	085	00400	16.24	36.22	26.65		1519.3							
	085	00500	14.88	36.02	26.80		1516.5							
	085	00600	13.61	35.81	26.91		1513.6							
	085	00700	11.70	35.51	27.06		1508.6							
	085	00800	10.00	35.36	27.25		1504.0							
	085	00900	07.93	35.20	27.46		1497.7							
	085	00950	07.90	35.29	27.54		1498.0							
	085	01000	06.22	35.04	27.58		1492.5							
	085	01100	05.42	35.07	27.70		1491.0							
	085	01200	04.97	35.01	27.71		1490.8							
	085	01300	04.61	34.99	27.73		1490.9							
	085	01400	04.36	34.98	27.75		1491.6							
	085	01500	04.21	34.97	27.76		1492.6							
	085	01750	03.93	34.96	27.78		1495.6							
	085	02000	03.74	34.97	27.81		1490.1							
	085	02500	03.31	34.94	27.83		1500.3							
	085	03000	02.93	34.91	27.84		1512.7							

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REFID 31 8272 YEAR 1971 BOTOP 04389 AIR TEMP 18.2 DIP HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CGNSEC 0024 MONTH 05 SHIP DG WET BULB 18.0 49 X X WIND-SPD 02 TRACE DIR D 5 SQUARE 2  
 LAT 34 57 N DAY 05 DATA USE 1 BAROMETR 1030.4 SEA WIND-FOR OMFATION 00.2 2 SQUARE 46  
 LCNG 047 51 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHFP X4 ORIG E56 024 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIG3	PH
00.0	085	00000	18.37	36.33	26.22		1519.1							
	085	00010	18.36	36.33	26.22		1519.3							
	085	00020	18.33	36.33	26.23		1519.4							
	085	00030	18.26	36.32	26.24		1519.3							
	085	00050	17.92	36.35	26.34		1518.7							
	085	00075	17.46	36.41	26.50		1517.8							
	085	00100	17.34	36.42	26.54		1517.9							
	085	00125	17.19	36.40	26.56		1517.9							
	085	00150	17.09	36.39	26.58		1518.0							
	085	00200	16.96	36.38	26.60		1513.4							
	085	00250	16.96	36.39	26.61		1519.2							
	085	00300	16.84	36.37	26.62		1519.6							
	085	00400	16.33	36.24	26.64		1519.6							
	085	00500	15.04	36.04	26.78		1517.0							
	085	00600	13.77	35.81	26.88		1514.3							
	085	00700	12.25	35.60	27.02		1510.6							
	085	00800	09.97	35.28	27.19		1503.8							
	085	00900	08.27	35.20	27.41		1499.0							
	085	00950	07.36	35.22	27.56		1497.1							
	085	01000	07.04	35.16	27.56		1495.9							
	085	01100	05.56	35.04	27.66		1491.5							
	085	01150	05.51	35.09	27.71		1492.2							
	085	01200	05.06	35.02	27.71		1491.1							
	085	01300	04.67	35.01	27.74		1491.2							
	085	01400	04.44	35.00	27.76		1491.9							
	085	01430	04.54	35.02	27.76		1492.9							
	085	01500	04.24	34.98	27.76		1492.9							

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TABLE XXXV.—Continued

REFID 31 B272 YEAR 1971 HGTOP 04389 AIR TEMP 20.0 JIF HGT PER WIND-DIR 13 INST STD RECORDER TEN SC 1206  
 CONSEC 0025 MONTH 05 SHIP OC WET BULB 18.7 21 1 3 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1028.9 SEA WIND-FUR 00410N 00.5 2 SQUARE 46  
 LONG 047 47 W HOUR 11.8 AREA 05 CLOUD T/A CL/TP WEATHER K1 CRIG 266 025 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SNO VFL	OXYG	PO4	ICT P	NO2	NO3	NO3	PH
11.8	OBS	00000	18.68	36.33	26.14		1520.0							
	OBS	00010	18.60	36.33	26.16		1520.0							
	OBS	00020	18.25	36.34	26.25		1519.1							
	OBS	00030	18.11	36.36	26.30		1518.9							
	OBS	00050	17.83	36.41	26.46		1517.9							
	OBS	00075	17.43	36.42	26.52		1517.5							
	OBS	00100	17.36	36.42	26.53		1518.0							
	OBS	00125	17.26	36.42	26.56		1518.1							
	OBS	00150	17.13	36.41	26.58		1518.1							
	OBS	00200	17.06	36.41	26.60		1518.7							
	OBS	00250	17.01	36.41	26.61		1519.4							
	OBS	00300	16.96	36.41	26.62		1520.1							
	OBS	00400	16.54	36.26	26.65		1519.6							
	OBS	00500	14.84	36.01	26.80		1516.3							
	OBS	00600	13.70	35.80	26.89		1514.0							
	OBS	00700	11.90	35.51	27.02		1509.3							
	OBS	00800	09.78	35.32	27.26		1503.1							
	OBS	00900	07.89	35.19	27.46		1497.6							
	OBS	00960	07.78	35.32	27.58		1498.3							
	OBS	01000	06.24	35.06	27.59		1492.6							
	OBS	01100	05.57	35.08	27.69		1491.6							
	OBS	01200	04.98	35.03	27.72		1490.8							
	OBS	01250	04.81	35.04	27.75		1491.0							
	OBS	01268	04.93	35.06	27.75		1491.6							
	OBS	01300	04.61	35.02	27.76		1491.0							
	OBS	01400	04.40	35.00	27.76		1491.7							
	OBS	01500	04.21	35.00	27.79		1492.6							
	OBS	01750	03.94	34.99	27.81		1495.7							
	OBS	02000	03.78	35.00	27.83		1495.3							
	OBS	02500	03.37	34.99	27.86		1506.1							
	OBS	03000	02.96	34.96	27.88		1512.3							

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REFID 31 B272 YEAR 1971 HGTOP 04389 AIR TEMP 19.2 JIF HGT PER WIND-DIR 13 INST STD RECORDER TEN SC 1206  
 CONSEC 0026 MONTH 05 SHIP OC WET BULB 18.1 20 1 2 WIND-SPD 05 TRACE DIR 1 5 SQUARE 4  
 LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1027.5 SEA WIND-FUR 00410N 00.2 2 SQUARE 46  
 LONG 048 02 W HOUR 11.7 AREA 05 CLOUD T/A CL/TP WEATHER K1 CRIG 266 025 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SNO VFL	OXYG	PO4	ICT P	NO2	NO3	NO3	PH
11.7	OBS	00000	18.63	36.24	26.12		1519.6							
	OBS	00010	18.46	36.30	26.18		1517.5							
	OBS	00020	18.28	36.31	26.22		1519.2							
	OBS	00030	18.17	36.32	26.26		1518.1							
	OBS	00045	17.60	36.37	26.44		1517.8							
	OBS	00075	17.40	36.34	26.50		1517.6							
	OBS	00100	17.33	36.39	26.53		1517.5							
	OBS	00125	17.14	36.38	26.55		1517.5							
	OBS	00150	17.17	36.35	26.57		1517.0							
	OBS	00200	17.03	36.39	26.59		1517.1							
	OBS	00250	16.95	36.48	26.55		1517.5							
	OBS	00300	16.52	36.38	26.61		1518.7							
	OBS	00400	16.30	36.23	26.64		1518.5							
	OBS	00500	15.15	36.04	26.76		1517.5							
	OBS	00600	13.95	35.52	26.85		1514.9							
	OBS	00700	12.14	35.55	27.00		1510.5							
	OBS	00800	09.92	35.31	27.23		1505.6							
	OBS	00900	08.17	35.18	27.41		1498.6							
	OBS	00975	07.49	35.21	27.53		1497.5							
	OBS	01000	06.81	35.12	27.56		1495.1							
	OBS	01040	06.04	35.02	27.58		1492.9							
	OBS	01075	05.87	35.05	27.63		1492.4							
	OBS	01100	05.60	35.04	27.66		1491.7							
	OBS	01135	05.44	35.05	27.66		1491.6							
	OBS	01150	05.67	35.11	27.70		1492.3							
	OBS	01200	05.44	35.08	27.71		1492.7							
	OBS	01200	05.42	35.02	27.73		1491.8							
	OBS	01340	04.79	35.03	27.74		1491.8							
	OBS	01400	04.41	34.96	27.76		1491.5							
	OBS	01500	04.26	34.97	27.76		1492.5							

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TABLE XXXV.—Continued

REFID 31 8272 YEAR 1971 BOTDOP 04206 AIR TEMP 19.0 DIF HGT REF WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 SUNSEC 0028 MONTH 05 SHIP UG NET HULR 18.0 DR 2 2 WIND-SPD 13 TRAC DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 06 DATA USE 1 SEA CFA WIND-FUR ORIENTATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 11.8 AREA 05 CLCUD T/A CL/TFR WEATHER X1 CRIG E56 027 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	XYG	P34	TOT P	NO2	NO3	NO3	PH
11.8	DBS	00000	18.42	36.30	26.09		1520.4							
	DBS	00010	18.72	36.33	26.12		1520.4							
	DBS	00020	18.20	36.34	26.15		1519.1							
	DBS	00030	16.16	36.35	26.28		1519.1							
	DBS	00050	17.59	36.41	26.46		1517.7							
	DBS	00075	17.41	36.42	26.52		1517.7							
	DBS	00100	17.28	36.40	26.54		1517.7							
	DBS	00125	17.17	36.39	26.56		1517.4							
	DBS	00150	17.08	36.40	26.59		1517.7							
	DBS	00200	17.03	36.40	26.60		1518.6							
	DBS	00250	17.02	36.40	26.60		1519.4							
	DBS	00300	16.95	36.39	26.61		1520.0							
	DBS	00400	16.31	36.25	26.65		1519.5							
	DBS	00500	15.00	36.00	26.76		1512.4							
	DBS	00600	13.52	35.78	26.91		1513.4							
	DBS	00700	12.04	35.54	27.02		1509.4							
	DBS	00800	09.76	35.30	27.25		1503.0							
	DBS	00900	08.23	35.18	27.40		1498.4							
	DBS	01000	07.43	35.25	27.57		1497.7							
	DBS	01060	06.41	35.02	27.59		1492.6							
	DBS	01100	05.42	35.04	27.65		1491.8							
	DBS	01180	05.17	35.01	27.68		1491.2							
	DBS	01200	05.22	35.06	27.72		1491.8							
	DBS	01210	05.22	35.08	27.73		1491.3							
	DBS	01270	04.92	35.01	27.77		1491.5							
	DBS	01300	04.83	35.03	27.73		1492.1							
	DBS	01320	04.85	35.06	27.75		1492.8							
	DBS	01380	04.74	35.03	27.75		1492.7							
	DBS	01400	04.43	34.98	27.75		1491.5							
	DBS	01500	04.25	34.97	27.76		1492.8							
	DBS	01650	04.37	34.96	27.77		1494.5							
	DBS	01680	04.15	34.98	27.78		1495.4							
	DBS	01750	04.09	34.98	27.78		1496.3							
	DBS	02000	03.64	34.98	27.81		1493.5							
	DBS	02500	03.36	34.95	27.83		1506.0							
	DBS	03000	02.92	34.93	27.86		1512.7							

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REFID 31 8272 YEAR 1971 BOTDOP 04572 AIR TEMP 19.0 DIF HGT REF WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 SUNSEC 0028 MONTH 05 SHIP UG NET HULR 18.0 DR 2 2 WIND-SPD 13 TRAC DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 06 DATA USE 1 SEA CFA WIND-FUR ORIENTATION 00.2 2 SQUARE 46  
 LONG 047 58 W HOUR 23.8 AREA 05 CLCUD T/A CL/TFR WEATHER X1 CRIG E56 028 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	XYG	P34	TOT P	NO2	NO3	NO3	PH
23.8	DBS	00000	18.96	36.35	26.08		1520.8							
	DBS	00010	18.43	36.34	26.08		1520.4							
	DBS	00020	18.60	36.34	26.16		1520.1							
	DBS	00030	18.36	36.36	26.24		1519.6							
	DBS	00050	18.04	36.37	26.33		1519.1							
	DBS	00075	17.85	36.40	26.40		1519.0							
	DBS	00100	17.57	36.41	26.52		1518.0							
	DBS	00125	17.32	36.43	26.55		1518.3							
	DBS	00150	17.20	36.41	26.56		1518.3							
	DBS	00200	17.01	36.40	26.60		1518.5							
	DBS	00250	16.97	36.40	26.61		1519.3							
	DBS	00300	16.84	36.36	26.61		1519.6							
	DBS	00380	15.90	36.16	26.68		1517.9							
	DBS	00400	15.94	36.17	26.68		1518.3							
	DBS	00440	15.31	36.05	26.73		1516.9							
	DBS	00470	15.36	36.10	26.76		1517.6							
	DBS	00500	15.05	36.00	26.75		1517.0							
	DBS	00600	13.92	35.88	26.90		1514.9							
	DBS	00700	12.32	35.60	27.01		1510.8							
	DBS	00800	10.00	35.30	27.21		1505.4							
	DBS	00842	08.83	35.15	27.28		1500.1							
	DBS	00950	08.41	35.26	27.26		1500.7							
	DBS	00870	08.73	35.24	27.37		1500.3							
	DBS	00893	07.84	35.11	27.40		1497.2							
	DBS	00900	07.95	35.21	27.47		1497.9							
	DBS	00910	08.01	35.21	27.46		1498.2							
	DBS	00960	07.54	35.21	27.53		1497.2							
	DBS	00970	07.62	35.26	27.55		1497.8							
	DBS	00980	07.49	35.22	27.54		1497.4							
	DBS	01000	07.63	35.22	27.60		1498.4							
	DBS	01015	07.70	35.34	27.61		1498.7							
	DBS	01030	07.54	35.33	27.62		1498.6							
	DBS	01100	06.04	35.13	27.67		1493.6							
	DBS	01140	05.95	35.15	27.70		1493.9							
	DBS	01200	05.03	35.02	27.71		1491.0							
	DBS	01250	05.08	35.16	27.73		1492.1							
	DBS	01300	04.41	35.05	27.75		1492.2							
	DBS	01350	04.56	34.99	27.74		1491.6							
	DBS	01400	04.62	35.02	27.76		1492.7							
	DBS	01500	04.29	34.97	27.75		1492.9							

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TABLE XXXV.—Continued

REFID 21 8272 YEAP 1971 OCTOP 0493B AIP TEMP 19.4 DIR HGT PFP WIND-DIR 24 INST STD FEORDER TEN SQ 1206  
 CONSEC 0024 MONTH 05 SHIP DG WET RUL6 18.5 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 55 N DAY 07 DATA USE 1 BARDMETR 1018.7 SEA CL/TF WIND-FDR DUPLICATION 00.6 2 SQUARE 46  
 LONG 047 46 W HOUR 11.8 AREA 05 CLOUD T/A CL/TF WEATHER X1 ORIG F56 C30 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
11.8	DBS	00000	18.71	36.35	26.14		1520.1							
	DBS	00010	18.70	36.33	26.12		1520.5							
	DBS	00020	18.24	36.37	26.2F		1519.2							
	DBS	00030	18.13	36.37	26.21		1519.0							
	DBS	00050	17.76	36.40	26.42		1518.3							
	DBS	00075	17.43	36.38	26.49		1517.7							
	DBS	00100	17.27	36.39	26.53		1517.7							
	DBS	00125	17.17	36.39	26.56		1517.9							
	DBS	00150	17.07	36.38	26.57		1517.7							
	DBS	00200	16.83	36.33	26.55		1517.9							
	DBS	00250	16.63	36.31	26.62		1513.1							
	DBS	00300	16.10	36.19	26.66		1517.2							
	DBS	00350	15.07	35.97	26.72		1514.5							
	DBS	00400	14.95	36.01	26.76		1515.0							
	DBS	00450	15.02	36.07	26.81		1516.7							
	DBS	00500	14.44	35.55	26.84		1515.0							
	DBS	00600	13.02	35.69	26.94		1511.6							
	DBS	00700	10.95	35.44	27.15		1505.9							
	DBS	00800		35.18										
	DBS	00900	07.12	35.27	27.48		1494.4							
	DBS	00960	06.56	35.10	27.58		1493.3							
	DBS	00979	06.75	35.16	27.60		1444.4							
	DBS	01000	06.26	35.09	27.61		1462.7							
	DBS	01100	05.68	35.24	27.67		1461.2							
	DBS	01200	04.94	35.31	27.71		1490.6							
	DBS	01220	05.06	35.37	27.74		1491.6							
	DBS	01300	04.60	34.99	27.73		1460.9							
	DBS	01400	04.43	34.58	27.75		1491.8							
	DBS	01500	04.25	34.37	27.76		1492.8							
	DBS	01750	03.94	34.26	27.78		1455.7							
	DBS	02000	03.74	34.96	27.80		1459.1							
	DBS	02500	03.38	34.96	27.84		1506.1							
	DBS	03000	02.95	34.93	27.86		1512.8							

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REFID 31 8272 YEAP 1971 OCTOP 0493B AIP TEMP 19.8 DIR HGT PFP WIND-DIR 25 INST STD FEORDER TEN SQ 1206  
 CONSEC 0030 MONTH 05 SHIP DG WET RUL6 18.5 WIND-SPD 22 TRACE DIR 0 5 SQUARE 2  
 LAT 34 54 N DAY 07 DATA USE 1 BARDMETR 1018.7 SEA CL/TF WIND-FDR DUPLICATION 00.3 2 SQUARE 46  
 LONG 047 54 W HOUR 23.9 AREA 05 CLOUD T/A CL/TF WEATHER X1 ORIG F56 C30 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
23.9	DBS	00000	19.18	36.35	26.02		1521.5							
	DBS	00010	19.17	36.35	26.03		1521.6							
	DBS	00020	15.05	36.31	26.03		1521.9							
	DBS	00030	18.45	36.35	26.21		1519.9							
	DBS	00050	18.07	36.36	26.31		1519.1							
	DBS	00075	17.23	36.37	26.53		1517.1							
	DBS	00100	17.11	36.37	26.56		1517.2							
	DBS	00125	16.98	36.37	26.59		1517.2							
	DBS	00150	16.92	36.36	26.59		1517.4							
	DBS	00200	16.81	36.36	26.62		1517.9							
	DBS	00250	16.56	36.32	26.65		1517.9							
	DBS	00300	16.07	36.23	26.69		1517.1							
	DBS	00400	14.89	36.02	26.80		1514.8							
	DBS	00500	13.89	35.87	26.97		1513.1							
	DBS	00600	12.38	35.63	27.02		1509.4							
	DBS	00700	10.82	35.44	27.17		1505.4							
	DBS	00800	09.13	35.24	27.30		1500.7							
	DBS	00860	08.02	35.20	27.45		1497.4							
	DBS	00900	07.76	35.26	27.53		1497.2							
	DBS	00945	07.36	35.25	27.58		1496.4							
	DBS	00955	07.73	35.36	27.62		1498.1							
	DBS	01000	06.64	35.19	27.61		1495.2							
	DBS	01100	05.80	35.10	27.68		1492.6							
	DBS	01145	05.44	35.07	27.70		1491.8							
	DBS	01160	05.81	35.15	27.72		1493.7							
	DBS	01200	05.67	35.15	27.73		1493.8							
	DBS	01250	05.09	35.07	27.74		1492.2							
	DBS	01300	05.11	35.10	27.76		1493.1							
	DBS	01380	04.69	35.04	27.76		1492.7							
	DBS	01400	04.86	35.08	27.78		1493.8							
	DBS	01500	04.48	35.03	27.78		1493.8							

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TABLE XXXVI.—Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 15 May 1971 - 7 June 1971, prepared from NODC listing No. 31 - 1858.

REFID 31 1858 YEAR 1971 BDTOP 04572 AIR TEMP 18.3 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 05 SHIP ME WET BULB 16.1 35 2 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 14 DATA USE 1 BARDMETR 1019.3 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 01.4 AREA 05 CLOUD T/A /0 CL/TR WEATHER XJ ORIG E57 001 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TCT P	ND2	NO3	SID3	PH
01.4	DBS	00000	19.34	36.369	26.00		1521.9							
01.4	DBS	00025	18.96	36.370	26.10		1521.3							
01.4	DBS	00049	17.95	36.392	26.37		1518.8							
01.4	DBS	00074	17.66	36.423	26.46		1518.4							
01.4	DBS	00098	17.58	36.434	26.49		1518.6							
01.4	DBS	00148	17.49	36.428	26.51		1519.1							
01.4	DBS	00202	17.31	36.410	26.54		1519.5							
01.4	DBS	00301	16.81	36.316	26.59		1519.5							
01.4	DBS	00503	15.14	36.086	26.79		1517.4							
01.4	DBS	00601	14.77	36.028	26.83		1517.6							
01.4	DBS	00798	10.62	35.385	27.16		1506.2							
01.4	DBS	T01001	06.70	35.038	27.51		1494.4							
01.4	DBS	01504	04.33	34.992	27.77		1493.2							

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REFID 31 1858 YEAR 1971 BDTOP 04675 AIR TEMP 16.7 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 05 SHIP ME WET BULB 15.6 30 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 15 DATA USE 1 BARDMETR 1018.3 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.7 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E57 002 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.7	DBS	00000	18.97	36.300	26.04		1520.8							
12.7	DBS	00026	18.79	36.368	26.14		1520.8							
12.7	DBS	00047	18.23	36.368	26.29		1519.6							
12.7	DBS	00071	17.56	36.430	26.49		1518.1							
12.7	DBS	00092	17.51	36.432	26.51		1518.3							
12.7	DBS	00139	17.45	36.431	26.52		1518.9							
12.7	DBS	00184	16.84	36.418	26.66		1517.8							
12.7	DBS	00539		36.076										
12.7	DBS	00719	11.87	35.548	27.06		1509.5							
12.7	DBS	T00892	08.21	35.171	27.40		1498.6							

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REFID 31 1858 YEAR 1971 BDTOP 04860 AIR TEMP 21.7 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 05 SHIP ME WET BULB 18.9 13 3 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 16 DATA USE 1 BARDMETR 1010.2 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 18.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E57 003 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.5	DBS	00000	19.37	36.335	25.96		1522.0							
18.5	DBS	00025		36.342										
18.5	DBS	00046	18.28	36.343	26.25		1519.7							
18.5	DBS	00071	17.34	36.359	26.49		1517.4							
18.5	DBS	00092	17.17	36.366	26.54		1517.2							
18.5	DBS	00137	16.95	36.345	26.58		1517.3							
18.5	DBS	00182	16.80	36.328	26.60		1517.5							

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REFID 31 1858 YEAR 1971 BDTOP 04762 AIR TEMP 21.7 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 05 SHIP ME WET BULB 16.1 30 2 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 17 DATA USE 1 BARDMETR 1009.1 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.5 AREA 05 CLOUD T/A /0 CL/TR /15 WEATHER X0 ORIG E57 004 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SID3	PH
12.5	DBS	00000	18.88	36.342	26.05		1520.6							
12.5	DBS	00023	18.47	36.334	26.19		1519.8							
12.5	DBS	00046	18.32	36.331	26.23		1519.8							
12.5	DBS	00070	17.97	36.377	26.35		1519.2							
12.5	DBS	00093	17.37	36.383	26.50		1517.8							
12.5	DBS	00139	16.67	36.333	26.56		1517.3							
12.5	DBS	00190	16.91	36.356	26.59		1513.0							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTOP 04253 AIR TEMP 22.2 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 05 SHIP ME WET BULB 19.4 DB 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 18 DATA USE 1 BAROMETR 1009.1 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.7 AREA 05 CLOUD T/A 70 CL/TR WEATHER X0 GRIG E57 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.7	OBS	00000	19.22	36.319	25.95		1521.5							
12.7	OBS	00026	19.08	36.320	26.03		1521.6							
12.7	OBS	00048	18.79	36.337	26.11		1521.1							
12.7	OBS	00073	17.04	36.382	26.58		1516.5							
12.7	OBS	00095	16.64	36.255	26.58		1515.5							
12.7	OBS	00142	16.33	36.240	26.64		1515.4							
12.7	OBS	00190	15.93	36.176	26.65		1514.8							
12.7	OBS	00284	15.28	36.061	26.74		1514.2							
12.7	OBS	00379	14.95	36.046	26.81		1514.7							
12.7	OBS	00474	14.00	35.873	26.88		1513.0							
12.7	OBS	00569	12.49	35.700	27.05		1509.4							
12.7	OBS	00763	09.60	35.255	27.23		1502.0							
12.7	OBS	100952	06.93	35.090	27.52		1494.6							
12.7	OBS	101427	04.60	35.020	27.76		1493.1							

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REFID 31 1858 YEAR 1971 BOTOP 01942 AIR TEMP 21.7 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 05 SHIP ME WET BULB 21.1 DB 2 2 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 19 DATA USE 1 BAROMETR 1013.2 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 046 05 W HOUR 18.5 AREA 05 CLOUD T/A 578 CL/TR WEATHER X2 GRIG E57 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.5	OBS	00000	19.58	36.365	25.93		1522.6							
18.5	OBS	00026	18.37	36.360	26.24		1519.6							
18.5	OBS	00049	17.94	36.402	26.38		1518.6							
18.5	OBS	00075	17.57	36.425	26.48		1518.2							
18.5	OBS	00096	17.48	36.440	26.52		1518.3							
18.5	OBS	00148	17.32	36.410	26.54		1518.6							
18.5	OBS	00197	17.06	36.377	26.57		1518.6							

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REFID 31 1858 YEAR 1971 BOTOP 04630 AIR TEMP 23.9 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 05 SHIP ME WET BULB 21.7 DB 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 20 DATA USE 1 BAROMETR 1015.9 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 12.8 AREA 05 CLOUD T/A 70 CL/TR WEATHER X0 GRIG E57 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	OBS	00000	19.52	36.353	25.94		1522.4							
12.8	OBS	00027	18.45	36.342	26.20		1519.6							
12.8	OBS	00049	17.86	36.398	26.35		1518.6							
12.8	OBS	00076	17.64	36.433	26.48		1518.4							
12.8	OBS	00098	17.50	36.421	26.50		1518.3							
12.8	OBS	00148	17.40	36.420	26.52		1518.9							
12.8	OBS	00197	17.26	36.402	26.54		1519.2							
12.8	OBS	00296	16.73	36.311	26.60		1515.2							
12.8	OBS	00396	15.73	36.117	26.69		1517.5							
12.8	OBS	00494	14.54	35.940	26.81		1515.2							
12.8	OBS	00594		35.805										
12.8	OBS	00796	10.19	35.370	27.23		1504.6							
12.8	OBS	100944	06.55	35.090	27.57		1493.8							

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REFID 31 1858 YEAR 1971 BOTOP 03794 AIR TEMP 21.7 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 05 SHIP ME WET BULB 20.6 DB 3 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 21 DATA USE 1 BAROMETR 1019.3 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 13.0 AREA 05 CLOUD T/A 074 CL/TR WEATHER X1 GRIG E57 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.0	OBS	00000	19.75	36.350	25.87		1523.0							
13.0	OBS	00032	17.92	36.344	26.34		1518.4							
13.0	OBS	00057	17.52	36.415	26.45		1517.7							
13.0	OBS	00114	17.23	36.403	26.55		1517.8							
13.0	OBS	00171	17.02	36.390	26.59		1518.1							
13.0	OBS	00228	16.96	36.367	26.59		1518.8							
13.0	OBS	00344	16.12	36.197	26.66		1518.0							
13.0	OBS	00462	14.95	35.978	26.75		1516.0							
13.0	OBS	00587	13.51	35.785	26.91		1513.2							
13.0	OBS	00709	11.22	35.411	27.07		1506.9							
13.0	OBS	00956	06.72	35.070	27.53		1493.8							
13.0	OBS	101208	05.10	35.046	27.72		1491.5							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTOP 04389 AIR TEMP 20.6 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 05 SHIP ME WET BULB 20.0 14 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 22 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.7 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E57 009 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.7	085	00000	19.93	36.341	25.82		1523.5							
12.7	085	00031	19.02	36.342	26.06		1521.5							
12.7	085	00057	17.55	36.380	26.46		1517.8							
12.7	085	00088	17.17	36.378	26.55		1517.2							
12.7	085	00115	17.01	36.374	26.58		1517.1							
12.7	085	00174	16.91	36.353	26.55		1517.8							
12.7	085	00235	16.60	36.293	26.62		1517.8							
12.7	085	00358	15.22	36.036	26.74		1515.2							
12.7	085	00484	14.16	35.888	26.86		1513.7							
12.7	085	00618	11.93	35.543	27.04		1508.1							
12.7	085	00747		35.253										
12.7	085	01006	05.64	35.040	27.65		1490.3							
12.7	085	T01264	04.79	35.039	27.75		1491.1							

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REFID 31 1858 YEAR 1971 BOTOP 04758 AIR TEMP 21.7 DIR HGT PER WIND-DIR 16 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 05 SHIP ME WET BULB 21.1 11 3 WIND-SPD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 23 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.8 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E57 010 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.8	085	00000	20.39	36.329	25.69		1524.7							
12.8	085	00025	19.46	36.349	25.95		1522.6							
12.8	085	00049	17.66	36.388	26.44		1518.0							
12.8	085	00076		36.418										
12.8	085	00101	17.36	36.413	26.53		1518.0							
12.8	085	00151	17.01	36.354	26.57		1517.7							
12.8	085	T00206	16.77	36.342	26.62		1517.9							
12.8	085	T00306	16.00	36.199	26.69		1517.0							
12.8	085	00406		35.571										
12.8	085	00511	13.58	35.794	26.91		1512.2							
12.8	085	00611		35.570										
12.8	085	00812	08.33	35.206	27.40		1497.8							
12.8	085	T01017	05.51	35.043	27.67		1489.9							

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REFID 31 1858 YEAR 1971 BOTOP 04410 AIR TEMP 22.2 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 05 SHIP ME WET BULB 21.7 17 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 24 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 18.7 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 ORIG E57 011 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
18.7	085	00000	20.60	36.349	25.65		1525.3							
18.7	085	00031	18.96	36.328	26.06		1521.3							
18.7	085	00058	17.21	36.382	26.54		1516.8							
18.7	085	00090	17.17	36.377	26.55		1517.2							
18.7	085	00118	16.91	36.335	26.58		1516.8							
18.7	085	00179	16.71	36.318	26.61		1517.2							
18.7	085	T00240	16.33	36.248	26.65		1517.0							
18.7	085	00366		36.015										
18.7	085	00493	14.42	35.852	26.77		1514.7							
18.7	085	00625	11.78	35.525	27.06		1507.6							
18.7	085	00752	09.96	35.305	27.22		1503.0							
18.7	085	01006	05.85	35.044	27.63		1491.1							
18.7	085	T01257	04.63	35.004	27.74		1490.3							

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REFID 31 1858 YEAR 1971 BOTOP 04718 AIR TEMP 22.2 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 05 SHIP ME WET BULB 20.0 17 3 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E57 C12 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.0	085	00000	20.22	36.230	25.66		1524.2							
13.0	085	00023	19.40	36.333	25.95		1522.4							
13.0	085	00068	17.51	36.408	26.45		1517.9							
13.0	085	00091	17.26	36.395	26.54		1517.5							
13.0	085	00136	16.88	36.336	26.59		1517.0							
13.0	085	T00185	16.67	36.306	26.61		1517.2							
13.0	085	T00271	16.04	36.187	26.67		1516.5							
13.0	085	00355		36.053										
13.0	085	00441	14.51	35.956	26.83		1514.2							
13.0	085	00523		35.816										
13.0	085	00689	10.11	35.371	27.24		1502.6							
13.0	085	T00863	06.86	35.106	27.54		1492.9							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04630 AIR TEMP 20.0 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 05 SHIP ME WET BULB 16.7 28 4 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 26 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR 11 DURATION 2 SQUARE 46  
 LONG 047 51 W HOUR 18.9 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E57 013 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
18.9	085	00000	20.07	36.269	25.73		1523.8							
18.9	085	00050	17.47	36.403	26.49		1517.5							
18.9	085	00101	17.19	36.421	26.58		1517.5							
18.9	085	00152	16.92	36.400	26.62		1517.5							
18.9	085	T00203	16.69	36.316	26.61		1517.5							
18.9	085	T00306	15.65	36.132	26.72		1515.8							
18.9	085	T00514	13.32	35.756	26.93		1511.5							

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REFID 31 1858 YEAR 1971 BOTDP 04639 AIR TEMP 20.0 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 05 SHIP ME WET BULB 17.2 02 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1024.4 SEA WIND-FOR 11 DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E57 014 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	20.14	36.192	25.65		1523.9							
12.2	085	00047	17.77	36.408	26.42		1518.3							
12.2	085	00094	17.50	36.448	26.52		1518.3							
12.2	085	00141	17.38	36.450	26.55		1518.7							
12.2	085	T00187	17.14	36.426	26.59		1518.8							
12.2	085	T00282	16.80	36.377	26.64		1519.2							
12.2	085	T00478	13.68	35.812	26.90		1512.0							

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REFID 31 1858 YEAR 1971 BOTDP 04815 AIR TEMP 21.1 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 05 SHIP ME WET BULB 18.9 04 2 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 28 DATA USE 1 BAROMETR 1022.0 SEA WIND-FOR 11 DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 12.2 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X1 ORIG E57 015 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	19.61	36.349	25.91		1522.6							
12.2	085	00052	17.66	36.456	26.49		1518.1							
12.2	085	00104	17.50	36.484	26.55		1518.5							
12.2	085	00157	17.36	36.456	26.56		1518.9							
12.2	085	T00209	17.04	36.417	26.61		1518.8							
12.2	085	T00316	16.72	36.352	26.64		1519.5							
12.2	085	T00531	13.96	35.903	26.91		1513.9							

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REFID 31 1858 YEAR 1971 BOTDP 04538 AIR TEMP 22.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 05 SHIP ME WET BULB 20.0 09 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR 11 DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.4 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E57 016 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.4	085	00000	20.73	36.152	25.46		1525.4							
12.4	085	00096	16.79	36.324	26.60		1516.1							
12.4	085	00145	16.75	36.312	26.60		1516.8							
12.4	085	T00207	16.50	36.312	26.66		1517.0							
12.4	085	T00304	15.26	36.088	26.77		1514.5							
12.4	085	00495	13.52	35.822	26.94		1511.7							
12.4	085	T00693	10.23	35.381	27.23		1503.1							

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REFID 31 1858 YEAR 1971 BOTDP 04720 AIR TEMP 25.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 05 SHIP ME WET BULB 22.2 11 1 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 30 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR 11 DURATION 2 SQUARE 48  
 LONG 048 15 W HOUR 12.6 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG E57 017 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	085	00000	20.87	36.205	25.46		1525.9							
12.6	085	00099	17.22	36.404	26.56		1517.5							
12.6	085	00149	16.95	36.400	26.62		1517.5							
12.6	085	T00213	16.54	36.287	26.63		1517.2							
12.6	085	T00312	15.42	36.107	26.75		1515.2							
12.6	085	00506	13.94	35.916	26.92		1513.4							
12.6	085	T00705	10.36	35.359	27.19		1503.7							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04222 AIR TEMP 24.4 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 05 SHIP ME WET BULB 22.2 00 0 X WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 31 DATA USE 1 BAROMETR 1025.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 3/2 CL/TR /19 WEATHER X1 ORIG E57 018 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.5	OBS	0000	21.11	36.304	25.47		1526.6							
12.5	OBS	0005	17.20	36.400	26.56		1517.2							
12.5	OBS	00129	16.94	36.388	26.61		1517.2							
12.5	OBS	T00186	16.71	36.345	26.63		1517.4							
12.5	OBS	00277	15.84	36.187	26.71		1516.0							
12.5	OBS	T00458	13.60	35.821	26.92		1511.4							
12.5	OBS	00650	10.46	35.387	27.19		1503.2							

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REFID 31 1858 YEAR 1971 BOTDP 04668 AIR TEMP 23.3 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 06 SHIP ME WET BULB 21.7 16 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 01 DATA USE 1 BAROMETR 1020.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 49 W HOUR 12.4 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E57 019 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	21.44	36.271	25.36		1527.5							
12.4	OBS	00108	16.79	36.292	26.57		1516.3							
12.4	OBS	00162	16.66	36.292	26.60		1516.7							
12.4	OBS	T00217	16.13	36.250	26.70		1516.0							
12.4	OBS	T00326	14.78	36.035	26.84		1513.3							
12.4	OBS	00546	11.89	35.545	27.05		1506.7							
12.4	OBS	T00766	08.81	35.302	27.40		1499.0							

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REFID 31 1858 YEAR 1971 BOTDP 04458 AIR TEMP 22.2 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 06 SHIP ME WET BULB 21.1 15 2 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 48 W HOUR 12.3 AREA 05 CLOUD T/A 4/3 CL/TR WEATHER X1 ORIG E57 020 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	20.98	36.288	25.50		1526.3							
12.3	OBS	00098	16.88	36.288	26.55		1516.4							
12.3	OBS	00147	16.74	36.286	26.58		1516.7							
12.3	OBS	T00198	16.40	36.250	26.63		1516.5							
12.3	OBS	T00304	15.02	36.016	26.77		1513.7							
12.3	OBS	00534	12.08	35.567	27.03		1507.2							
12.3	OBS	T00774	08.72	35.323	27.44		1498.8							

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REFID 31 1858 YEAR 1971 BOTDP 04438 AIR TEMP 21.7 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0021 MONTH 06 SHIP ME WET BULB 21.1 22 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 03 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.5 AREA 05 CLOUD T/A 7/6 CL/TR /15 WEATHER X6 ORIG E57 021 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	21.25	36.244	25.35		1526.9							
12.5	OBS	00101	16.96	36.292	26.53		1516.6							
12.5	OBS	00151	16.63	36.332	26.64		1516.5							
12.5	OBS	T00203	16.17	36.237	26.68		1515.9							
12.5	OBS	T00309	15.17	36.090	26.75		1514.3							
12.5	OBS	00541	12.68	35.674	27.00		1509.5							
12.5	OBS	T00779	08.46	35.304	27.46		1497.9							

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REFID 31 1858 YEAR 1971 BOTDP 04575 AIR TEMP 22.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0022 MONTH 06 SHIP ME WET BULB 20.0 01 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 12.4 AREA 05 CLOUD T/A 2/2 CL/TR WEATHER X1 ORIG E57 022 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	21.15	36.332	25.48		1526.8							
12.4	OBS	00094	17.24	36.426	26.58		1517.5							
12.4	OBS	00141	16.95	36.356	26.59		1517.4							
12.4	OBS	00187	16.75	36.326	26.61		1517.5							
12.4	OBS	T00281	15.78	36.137	26.65		1515.8							
12.4	OBS	00470	13.73	35.830	26.90		1512.0							
12.4	OBS	T00662	10.06	35.343	27.23		1501.9							

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TABLE XXXVI.—Continued

REFID 31 1858 YEAR 1971 BOTDP 04392 AIR TEMP 32.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0023 MONTH 06 SHIP ME WET BULB 25.0 05 1 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1021.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.4 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E57 023 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.4	0BS	C0000	21.32	36.327	25.43		1527.7							
12.4	0BS	00093	16.81	36.300	26.57		1517.1							
12.4	0BS	00140		36.291										
12.4	0BS	T00201	16.17	36.224	26.67		1515.8							
12.4	0BS	T00257	14.73	35.956	26.79		1512.6							
12.4	0BS	00485	13.04	35.718	26.96		1509.9							
12.4	0BS	T00680	09.96	35.319	27.23		1501.8							

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REFID 31 1858 YEAR 1971 BOTDP 04575 AIR TEMP 22.2 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0024 MONTH 06 SHIP ME WET BULB 21.7 26 3 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 06 DATA USE 1 BAROMETR 1016.3 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 51 W HOUR 12.8 AREA 05 CLOUD T/A 2/8 CL/TR WEATHER X2 ORIG E57 024 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.8	0BS	D0000	21.52	36.327	25.38		1527.7							
12.8	0BS	00084	16.56	36.307	26.64		1515.2							
12.8	0BS	00127	15.96	36.190	26.65		1513.9							
12.8	0BS	00170	15.45	36.094	26.73		1512.9							
12.8	0BS	T00256	14.65	36.027	26.86		1511.7							
12.8	0BS	T00441	13.13	35.713	26.94		1509.4							
12.8	0BS	T00645	08.95	35.261	27.35		1497.5							

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REFID 31 1858 YEAR 1971 BOTDP 05216 AIR TEMP 22.2 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0025 MONTH 06 SHIP ME WET BULB 21.7 32 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 33 23 N DAY 07 DATA USE 1 BAROMETR 1015.9 SEA WIND-FGR DURATION 2 SQUARE 28  
 LONG 049 50 W HOUR 12.6 AREA 05 CLOUD T/A S/B CL/TR WEATHER X2 ORIG EEN 01E 1 SQUARE 39

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.6	0BS	D0000	21.79	36.371	25.34		1528.5							
12.6	0BS	00099	17.42	36.458	26.55		1518.2							
12.6	0BS	00149	17.38	36.477	26.57		1518.9							
12.6	0BS	T00213	17.18	36.444	26.60		1519.3							
12.6	0BS	T00312	16.84	36.346	26.60		1519.8							
12.6	0BS	00505	14.85	36.062	26.84		1516.5							
12.6	0BS	T00704	12.42	35.671	27.05		1511.3							

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TABLE XXXVII.--Observed and interpolated oceanographic data for stations taken by  
USCGC BIBB at Ocean Station ECHO, 7 June 1971 - 30 June 1971, prepared from NODC  
listing No. 31 - 1870.

REFID 31 1870 YEAR 1971 BOTOP 04663 AIR TEMP 20.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
CONSEC 0001 MONTH 06 SHIP BX WET BULB 16.3 29 2 4 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
LAT 35 03 N DAY 09 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E58 001 1 SQUARE 58

CASNLM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	S103	PH
12.8	08S	00000	21.09	36.331	25.50		1526.6							
12.8	08S	00029	20.58	36.316	25.52		1526.8							
12.8	08S	00053	17.64	36.345	26.41		1517.9							
12.8	08S	00081	16.84	36.316	26.56		1516.0							
12.8	08S	00105	16.69	36.304	26.61		1515.9							
12.8	08S	00157	16.38	36.265	26.65		1515.8							
12.8	08S	T00209	15.69	36.151	26.72		1514.4							
12.8	08S	00313	14.46	35.951	26.84		1512.0							
12.8	08S	T00417	13.23	35.739	26.94		1509.4							
12.8	08S	00522	11.44	35.476	27.08		1504.7							
12.8	08S	T00627	09.03	35.220	27.30		1497.4							
12.8	08S	00843	06.96	35.184	27.59		1493.1							
12.8	08S	T01057	04.99	35.018	27.71		1488.5							
12.8	08S	T01600	04.04	34.978	27.79		1493.6							

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REFID 31 1870 YEAR 1971 BOTOP 03475 AIR TEMP 21.6 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
CONSEC 0002 MONTH 06 SHIP BX WET BULB 20.8 24 2 2 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
LAT 35 08 N DAY 10 DATA USE 1 BAROMETR 1017.6 SEA WIND-FOR DURATION 2 SQUARE 46  
LONG 047 41 W HOUR 12.1 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X4 ORIG E58 002 1 SQUARE 57

CASNLM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	S103	PH
12.1	08S	00000	21.13	36.296	25.46		1526.7							
12.1	08S	00026	21.10	36.299	25.47		1527.0							
12.1	08S	00048	18.36	36.308	26.20		1519.9							
12.1	08S	00074	17.12	36.306	26.50		1516.7							
12.1	08S	00096	16.40	36.294	26.57		1516.1							
12.1	08S	00143	16.68	36.297	26.60		1516.5							
12.1	08S	T00191	16.18	36.225	26.66		1515.7							
12.1	08S	00287	14.79	35.985	26.75		1512.6							
12.1	08S	T00383	13.52	35.792	26.92		1509.9							
12.1	08S	00481	11.93	35.549	27.05		1505.8							
12.1	08S	T00580	10.03	35.314	27.21		1500.4							
12.1	08S	00785	06.91	35.140	27.56		1491.8							
12.1	08S	T00991	05.44	35.103	27.73		1489.3							
12.1	08S	T01521	04.11	34.987	27.75		1492.6							

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REFID 31 1870 YEAR 1971 BOTOP 03658 AIR TEMP 22.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
CONSEC 0003 MONTH 06 SHIP BX WET BULB 20.8 23 2 2 WIND-SPO 12 TRACE DIR 5 SQUARE 4  
LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 48  
LONG 046 01 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E58 003 1 SQUARE 58

CASNLM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	S103	PH
12.7	08S	00000	21.37	36.245	25.36		1527.2							
12.7	08S	00029	21.01	36.286	25.45		1526.8							
12.7	08S	00053	18.22	36.324	26.25		1519.6							
12.7	08S	00081	16.89	36.305	26.56		1516.1							
12.7	08S	00105	16.77	36.316	26.60		1516.2							
12.7	08S	00158	16.41	36.274	26.65		1515.9							
12.7	08S	T00211	15.87	36.181	26.70		1515.0							
12.7	08S	00317	14.70	35.994	26.82		1512.9							
12.7	08S	T00424	13.47	35.797	26.93		1510.4							
12.7	08S	00530	11.69	35.514	27.07		1505.7							
12.7	08S	T00637	09.79	35.304	27.24		1500.5							
12.7	08S	00858	06.59	35.120	27.59		1491.7							
12.7	08S	T01075	05.45	35.114	27.73		1490.8							
12.7	08S	T01625	03.98	34.981	27.79		1493.8							

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TABLE XXXVII.—Continued

REFID 31 1870 YEAR 1971 BOTOP 04297 AIR TEMP 23.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 06 SHIP BX WET BULB 22.0 21 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 17 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.2 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X2 DRIG E58 004 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TGT P	N02	N03	S103	PH
12.2	OBS	00000	21.94	36.230	25.19		1528.7							
12.2	OBS	00032	20.54	36.320	25.64		1525.7							
12.2	OBS	00059	18.17	36.336	26.27		1519.6							
12.2	OBS	00090	16.92	36.315	26.56		1516.4							
12.2	OBS	00116	16.73	36.307	26.60		1516.2							
12.2	OBS	00174	16.26	36.252	26.67		1515.7							
12.2	OBS	T00232	15.36	36.101	26.76		1513.7							
12.2	OBS	00350	13.73	35.829	26.90		1510.1							
12.2	OBS	T00468	11.81	35.542	27.06		1505.2							
12.2	OBS	00591	09.86	35.313	27.24		1500.0							
12.2	OBS	T00712	07.89	35.213	27.48		1494.5							
12.2	OBS	00958	06.24	35.186	27.69		1492.1							
12.2	OBS	T01209	04.44	35.000	27.76		1488.7							
12.2	OBS	T01856	03.78	34.982	27.82		1496.8							

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REFID 31 1870 YEAR 1971 BOTOP 02012 AIR TEMP 22.6 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 06 SHIP BX WET BULB 21.7 19 2 2 WIND-SPD 22 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 18 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.3 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 DRIG E58 005 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TGT P	N02	N03	S103	PH
12.3	OBS	00000	21.90	36.332	25.28		1528.7							
12.3	OBS	00030	20.76	36.301	25.57		1526.2							
12.3	OBS	00056	17.90	36.318	26.32		1518.7							
12.3	OBS	00087	16.87	36.307	26.57		1516.2							
12.3	OBS	00113	16.71	36.310	26.61		1516.1							
12.3	OBS	00171	16.51	36.290	26.64		1516.4							
12.3	OBS	T00229	15.61	36.142	26.73		1514.5							
12.3	OBS	00347	14.18	35.899	26.86		1511.6							
12.3	OBS	T00466	12.57	35.643	26.99		1507.9							
12.3	OBS	00591	10.29	35.347	27.19		1501.6							
12.3	OBS	T00713	08.13	35.196	27.43		1495.4							
12.3	OBS	00961	06.20	35.191	27.70		1492.0							
12.3	OBS	T01215	04.58	35.014	27.76		1489.4							
12.3	OBS	T01871	03.79	34.978	27.81		1497.1							

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REFID 31 1870 YEAR 1971 BOTOP 03931 AIR TEMP 21.6 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 06 SHIP BX WET BULB 20.6 02 0 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 19 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 12.0 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X8 DRIG E58 006 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TGT P	N02	N03	S103	PH
12.0	OBS	00000	22.10	36.333	25.22		1529.2							
12.0	OBS	00025	22.07	36.338	25.23		1529.6							
12.0	OBS	00050	18.07	36.347	26.30		1519.1							
12.0	OBS	00075	17.01	36.336	26.55		1516.4							
12.0	OBS	00100	16.81	36.332	26.60		1516.2							
12.0	OBS	00150	16.53	36.295	26.64		1516.2							
12.0	OBS	T00205	15.90	36.165	26.68		1515.0							
12.0	OBS	00305	14.74	35.968	26.75		1512.8							
12.0	OBS	T00405	13.71	35.819	26.90		1510.9							
12.0	OBS	00510	12.01	35.551	27.03		1506.6							
12.0	OBS	T00610	10.38	35.362	27.15		1502.2							
12.0	OBS	00810	07.36	35.182	27.53		1494.0							
12.0	OBS	T01015	06.08	35.185	27.71		1492.4							
12.0	OBS	01525	04.04	34.976	27.78		1492.3							

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REFID 31 1870 YEAR 1971 BOTOP 03017 AIR TEMP 21.4 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 06 SHIP BX WET BULB 19.1 36 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 17 N DAY 20 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 25 W HOUR 13.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E58 007 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TGT P	N02	N03	S103	PH
13.1	OBS	00000	22.07	36.299	25.20		1529.1							
13.1	OBS	00029	20.14	36.358	25.78		1524.6							
13.1	OBS	00054	17.77	36.332	26.37		1518.3							
13.1	OBS	00083	16.88	36.307	26.56		1516.1							
13.1	OBS	00107	16.77	36.304	26.55		1516.2							
13.1	OBS	00161	16.62	36.305	26.62		1516.6							
13.1	OBS	T00214	16.14	36.225	26.67		1515.9							
13.1	OBS	00320	14.97	36.020	26.78		1513.8							
13.1	OBS	00425	13.91	35.860	26.85		1511.9							
13.1	OBS	00530	12.38	35.612	27.01		1508.2							
13.1	OBS	T00635	10.00	35.322	27.22		1501.2							
13.1	OBS	00850	07.17	35.178	27.56		1493.9							
13.1	OBS	01061	05.96	35.143	27.65		1492.6							
13.1	OBS	T01591	04.22	34.987	27.77		1494.2							

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TABLE XXXVII.—Continued

REFID 31 1870 YEAR 1971 BOTOP 04023 AIR TEMP 21.5 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 06 SHIP BX WET BULB 16.7 36 2 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 21 DATA USE 1 BAROMETR 1024.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 6/2 CL/TR /27 WEATHER X1 GRIG E58 008 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	22.53	36.223	25.02		1530.2							
12.2	08S	00034	20.14	36.321	25.75		1524.6							
12.2	08S	00053	18.42	36.337	26.21		1520.2							
12.2	08S	00083	17.01	36.314	26.54		1516.5							
12.2	08S	00107	16.64	36.294	26.61		1515.6							
12.2	08S	00161	16.00	36.205	26.65		1514.6							
12.2	08S	00215	15.13	36.054	26.77		1512.0							
12.2	08S	00223	13.80	35.836	26.85		1509.9							
12.2	08S	T00432	12.18	35.585	27.03		1505.9							
12.2	08S	00340	10.33	35.349	27.15		1500.9							
12.2	08S	T00648	08.41	35.217	27.40		1495.4							
12.2	08S	00671	06.61	35.231	27.67		1492.2							
12.2	08S	T01088	04.84	35.048	27.75		1488.4							
12.2	08S	T01637	03.96	34.991	27.80		1493.9							
14.0	08S	T01660	03.72	34.975	27.82		1496.0							
14.0	08S	T02352	03.33	34.977	27.86		1502.4							
14.0	08S	T02850	03.00	34.957	27.87		1510.5							
14.0	08S	03353	02.54	34.932	27.85		1517.2							
14.0	08S	T03669	02.35	34.917	27.90		1521.8							
14.0	08S	T03767	02.28	34.912	27.90		1523.4							

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REFID 31 1870 YEAR 1971 BOTOP 04298 AIR TEMP 21.4 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP BX WET BULB 16.2 36 2 3 WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 22 DATA USE 1 BAROMETR 1026.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 GRIG E58 009 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	22.59	36.230	25.00		1530.4							
12.0	08S	00025	20.80	36.306	25.56		1526.2							
12.0	08S	00049	18.60	36.339	26.16		1520.6							
12.0	08S	00074	17.06	36.313	26.52		1516.5							
12.0	08S	00098	16.69	36.297	26.60		1515.8							
12.0	08S	00148	16.12	36.221	26.68		1514.8							
12.0	08S	00202		36.094										
12.0	08S	00301	14.14	35.892	26.86		1510.7							
12.0	08S	T00399	12.72	35.658	26.98		1507.3							
12.0	08S	00503	10.91	35.414	27.13		1502.4							
12.0	08S	T00601	09.07	35.247	27.32		1497.2							
12.0	08S	00799	07.20	35.286	27.64		1493.6							
12.0	08S	T01001	05.32	35.088	27.73		1489.0							
12.0	08S	T01506	04.07	34.986	27.75		1492.1							

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REFID 31 1870 YEAR 1971 BOTOP 04460 AIR TEMP 21.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 06 SHIP BX WET BULB 17.7 01 1 3 WIND-SPD 01 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 23 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 12.0 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 GRIG E58 010 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	22.74	36.297	25.01		1530.8							
12.0	08S	00025	21.99	36.287	25.22		1529.3							
12.0	08S	00050	18.00	36.315	26.30		1518.9							
12.0	08S	00075	16.91	36.308	26.56		1516.1							
12.0	08S	00100	16.72	36.302	26.60		1515.9							
12.0	08S	00150	16.38	36.271	26.65		1515.7							
12.0	08S	T00206	15.44	36.111	26.75		1513.5							
12.0	08S	00306	13.92	35.860	26.85		1510.0							
12.0	08S	T00407	12.54	35.644	27.00		1506.8							
12.0	08S	00513	10.55	35.369	27.18		1501.3							
12.0	08S	T00613	08.91	35.247	27.35		1496.8							
12.0	08S	00815	07.29	35.282	27.62		1494.0							
12.0	08S	T01021	05.58	35.135	27.73		1490.4							
12.0	08S	T01536	04.05	34.997	27.80		1492.6							

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REFID 31 1870 YEAR 1971 BOTOP 01652 AIR TEMP 23.0 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 06 SHIP BX WET BULB 18.7 49 1 WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 24 DATA USE 1 BAROMETR 1029.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.0 AREA 05 CLOUD T/A 8/5 CL/TR /28 WEATHER X1 GRIG E58 011 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	23.08	36.292	24.91		1531.6							
12.0	08S	00025	22.16	36.266	25.15		1529.7							
12.0	08S	00050	19.68	36.284	25.84		1523.6							
12.0	08S	00075	17.47	36.313	26.43		1517.8							
12.0	08S	00100	16.75	36.305	26.55		1516.0							
12.0	08S	00150	16.48	36.274	26.63		1516.0							
12.0	08S	00205	15.45	36.109	26.74		1513.5							
12.0	08S	00305	14.12	35.887	26.86		1510.7							
12.0	08S	T00405	12.73	35.663	26.98		1507.4							
12.0	08S	00510	11.03	35.430	27.12		1503.0							
12.0	08S	T00611	09.22	35.265	27.31		1497.9							
12.0	08S	00811	07.32	35.273	27.61		1494.0							
12.0	08S	T01018	05.37	35.098	27.73		1489.5							
12.0	08S	T01533	03.96	34.979	27.80		1492.1							

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TABLE XXXVII.—Continued

REFID 31 1870 YEAR 1971 BOTOP 04384 AIR TEMP 22.9 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CNSEC 0012 MONTH 06 SHIP BA WET BULB 19.5 WIND-SPD 02 TRACE DIR 5 SQUARE 7  
 LAT 35 04 N DAY 25 DATA USE 1 BAROMETR 1026.9 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 00 W HOUR 11.9 AREA 05 CLOUD T/A 6/6 CLZTR WEATHER X1 DURATION GRIG E56 012 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	23.07	36.226	24.86		1531.5							
11.9	OBS	00025	21.60	36.263	25.31		1528.3							
11.9	OBS	00050	18.59	36.304	26.14		1520.6							
11.9	OBS	00075	17.11	36.318	26.52		1516.7							
11.9	OBS	00100	16.79	36.308	26.55		1516.1							
11.9	OBS	00150	16.55	36.290	26.63		1516.2							
11.9	OBS	T00205	15.64	36.136	26.72		1514.1							
11.9	OBS	00305	14.04	35.672	26.87		1510.4							
11.9	OBS	T00405	12.58	35.638	26.95		1506.9							
11.9	OBS	00510	10.26	35.329	27.18		1500.1							
11.9	OBS	T00610	08.60	35.217	27.37		1495.5							
11.9	OBS	00810	07.07	35.271	27.64		1493.0							
11.9	OBS	T01015	05.81	35.183	27.74		1491.3							
11.9	OBS	01525	04.10	34.985	27.79		1492.6							

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REFID 31 1870 YEAR 1971 BOTOP 04481 AIR TEMP 22.7 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1106  
 CNSEC 0013 MONTH 06 SHIP BA WET BULB 19.6 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1025.7 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CLZTR WEATHER X1 DURATION GRIG E58 013 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	23.26	36.221	24.80		1532.1							
12.2	OBS	00029	20.16	36.255	25.72		1524.6							
12.2	OBS	00054	17.84	36.306	26.33		1518.5							
12.2	OBS	00083	16.89	36.315	26.57		1516.1							
12.2	OBS	00108	16.57	36.258	26.63		1515.6							
12.2	OBS	00162	15.90	36.163	26.70		1514.3							
12.2	OBS	T00216	15.31	36.086	26.76		1513.2							
12.2	OBS	00325	13.87	35.858	26.85		1510.1							
12.2	OBS	T00423	11.67	35.508	27.06		1504.1							
12.2	OBS	00542	09.79	35.287	27.23		1498.4							
12.2	OBS	T00651	08.21	35.207	27.42		1494.7							
12.2	OBS	00674	06.39	35.194	27.68		1491.3							
12.2	OBS	T01092	04.94	35.066	27.75		1489.1							
12.2	OBS	01638	04.07	34.996	27.80		1496.4							

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REFID 31 1870 YEAR 1971 BOTOP 03383 AIR TEMP 23.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CNSEC 0014 MONTH 06 SHIP BA WET BULB 21.1 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 27 DATA USE 1 BAROMETR 1023.2 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 05 W HOUR 12.5 AREA 05 CLOUD T/A 8/6 CLZTR WEATHER X1 DURATION GRIG E58 014 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	23.24	36.222	24.81		1532.0							
12.5	OBS	00029	20.51	36.284	25.62		1525.5							
12.5	OBS	00053	18.10	36.322	26.28		1519.2							
12.5	OBS	00081	16.86	36.314	26.57		1516.0							
12.5	OBS	00105	16.65	36.312	26.62		1515.6							
12.5	OBS	00157	16.09	36.217	26.68		1514.6							
12.5	OBS	00209		36.104										
12.5	OBS	00314	14.10	35.880	26.86		1510.7							
12.5	OBS	T00418	12.65	35.648	26.98		1507.4							
12.5	OBS	00522	10.51	35.363	27.16		1501.3							
12.5	OBS	T00625	08.53	35.209	27.38		1495.5							
12.5	OBS	00836	07.06	35.273	27.65		1493.4							
12.5	OBS	T01043	04.95	35.038	27.73		1488.1							

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REFID 31 1870 YEAR 1971 BOTOP 04115 AIR TEMP 23.3 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CNSEC 0015 MONTH 06 SHIP BA WET BULB 21.7 WIND-SPD 20 TRACE DIR 5 SQUARE 4  
 LAT 35 04 W DAY 28 DATA USE 1 BAROMETR 1019.8 SEA WIND-FUR 2 SQUARE 48  
 LONG 047 58 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CLZTR WEATHER X1 DURATION GRIG E58 015 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	23.25	36.214	24.80		1530.0							
12.3	OBS	00028	20.67	36.264	25.56		1525.9							
12.3	OBS	00051	18.14	36.295	26.25		1519.3							
12.3	OBS	00078	16.93	36.305	26.55		1516.2							
12.3	OBS	00101	16.61	36.307	26.62		1515.6							
12.3	OBS	00152	15.93	36.186	26.69		1514.2							
12.3	OBS	T00202	15.26	36.076	26.76		1511.9							
12.3	OBS	00303	13.85	35.841	26.85		1509.7							
12.3	OBS	T00404	12.43	35.615	27.01		1506.4							
12.3	OBS	00506	10.56	35.415	27.12		1502.7							
12.3	OBS	T00609	09.03	35.243	27.32		1497.1							
12.3	OBS	00822	07.19	35.290	27.64		1493.7							
12.3	OBS	T01029	05.44	35.134	27.75		1490.0							

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TABLE XXXVIII.--Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 30 June 1971 - 24 July 1971, prepared from NODC listing No. 31 - 1917.

REFID 31 1917	YEAR 1971	BOTOP 02743	AIR TEMP 22.5	DIR HGT PER	WIND-OIR 19	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP A1	WET BULB 17.5	03 2 3	WIND-SPD 04	TRACE OIR	5 SQUARE 2
LAT 34 49 N	DAY 02	DATA USE 1	BAROMETR 1027.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 049 37 W	HOOR 20.5	AREA 05	CLOUD T/A 6/2	CL/TR /34	WEATHER X1	ORIG E59 001	1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
20.5	OBS	00000	23.17	36.313	24.90		1531.9							
20.5	OBS	00025		36.234										
20.5	OBS	00050	18.25	36.357	26.27		1519.7							
20.5	OBS	00076	17.49	36.384	26.47		1517.9							
20.5	OBS	00101	17.04	36.348	26.56		1517.0							
20.5	OBS	00151	16.90	36.353	26.55		1517.4							
20.5	OBS	00206	16.72	36.328	26.62		1517.7							
20.5	OBS	00307	15.63	36.104	26.70		1515.8							
20.5	OBS	T00409	14.72	35.962	26.79		1514.4							
20.5	OBS	00515	13.29	35.742	26.93		1511.2							
20.5	OBS	T00616	11.51	35.497	27.05		1506.5							
20.5	OBS	J0819	07.83	35.176	27.46		1496.0							
20.5	OBS	T01025	05.40	35.025	27.67		1489.6							
20.5	OBS	T01542	04.21	35.012	27.75		1493.4							

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REFID 31 1917	YEAR 1971	BOTOP 04572	AIR TEMP 23.5	DIR HGT PER	WIND-OIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP A1	WET BULB 18.3	03 1 3	WIND-SPD 06	TRACE OIR	5 SQUARE 2
LAT 34 57 N	DAY 03	DATA USE 1	BAROMETR 1026.9	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOOR 13.8	AREA 05	CLOUD T/A 6/2	CL/TR	WEATHER X1	ORIG E59 002	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.8	OBS	00000	23.10	36.285	24.90		1531.7							
13.8	OBS	00030		36.282										
13.8	OBS	00055	18.59	36.317	26.15		1520.7							
13.8	OBS	00085	16.97	36.295	26.53		1516.4							
13.8	OBS	00110		36.289										
13.8	OBS	00166	15.69	36.158	26.73		1513.7							
13.8	OBS	00221	15.02	36.047	26.75		1512.4							
13.8	OBS	00331	13.87	35.866	26.91		1510.2							
13.8	OBS	T00442	11.99	35.560	27.04		1505.4							
13.8	OBS	00552	09.84	35.300	27.23		1499.2							
13.8	OBS	T00663	08.17	35.232	27.45		1494.8							
13.8	OBS	00890	05.70	35.177	27.75		1488.8							
13.8	OBS	T01112	04.68	35.022	27.75		1488.1							
13.8	OBS	T01666	03.87	34.982	27.81		1494.0							

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REFID 31 1917	YEAR 1971	BOTOP 03840	AIR TEMP 22.8	DIR HGT PER	WIND-OIR 02	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP A1	WET BULB 20.0	31 2 3	WIND-SPD 12	TRACE OIR	5 SQUARE 4
LAT 35 04 N	DAY 05	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 03 W	HOOR 12.8	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X1	ORIG E59 003	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.8	OBS	00000	23.15	36.203	24.82		1531.7							
12.8	OBS	00027	22.23	36.237	25.11		1529.9							
12.8	OBS	00050	19.85	36.294	25.81		1524.1							
12.8	OBS	00077	17.34	36.310	26.45		1517.4							
12.8	OBS	00100	16.72	36.293	26.55		1515.9							
12.8	OBS	00150	16.10	36.215	26.68		1514.8							
12.8	OBS	00201	15.05	36.049	26.79		1512.1							
12.8	OBS	00304	13.78	35.839	26.90		1509.5							
12.8	OBS	00406	12.35	35.616	27.02		1506.1							
12.8	OBS	00513	10.74	35.403	27.15		1501.9							
12.8	OBS	T00614	09.08	35.260	27.33		1497.4							
12.8	OBS	00827	06.25	35.106	27.63		1489.9							
12.8	OBS	01035	04.93	35.034	27.73		1487.9							
12.8	OBS	T01564	03.92	34.980	27.80		1492.5							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BDTP 04846 AIR TEMP 22.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MDNTH 07 SHIP A1 WET BULB 16.0 05 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 06 DATA USE 1 BARMETR 1028.0 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR /29 WEATHER X1 DRIG E59 004 1 SQUARE 48

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	S103	PH
12.7	DBS	00000	23.04	36.254	24.85		1531.5							
12.7	DBS	00025	21.54	36.293	25.35		1528.2							
12.7	DBS	00049	17.86	36.336	26.35		1518.5							
12.7	DBS	00074	17.03	36.328	26.54		1516.5							
12.7	DBS	00098	16.72	36.313	26.61		1515.9							
12.7	DBS	00202	15.60	36.146	26.74		1514.0							
12.7	DBS	00300	14.27	35.934	26.87		1511.1							
12.7	DBS	00399	13.03	35.725	26.97		1508.4							
12.7	DBS	00503	10.95	35.426	27.13		1502.6							
12.7	DBS	T00601	09.21	35.265	27.31		1457.7							
12.7	DBS	00798	06.84	35.183	27.61		1491.8							
12.7	DBS	00999	05.24	35.073	27.73		1488.5							
12.7	DBS	T01499	04.14	34.986	27.78		1492.3							

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REFID 31 1917 YEAR 1971 BDTP 08229 AIR TEMP 23.7 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MDNTH 07 SHIP A1 WET BULB 18.9 08 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 07 DATA USE 1 BARMETR 1030.2 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 DRIG E59 005 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	S103	PH
12.7	DBS	00000	22.88	36.305	24.98		1531.2							
12.7	DBS	00024	22.47	36.297	25.09		1530.5							
12.7	DBS	00049	18.28	36.325	26.23		1519.7							
12.7	DBS	00073	17.27	36.326	26.48		1517.1							
12.7	DBS	00097	16.91	36.304	26.55		1516.4							
12.7	DBS	00146	16.55	36.294	26.63		1516.2							
12.7	DBS	T00199	15.80	36.174	26.71		1514.6							
12.7	DBS	00296	14.33	35.928	26.85		1511.2							
12.7	DBS	T00393	12.93	35.700	26.97		1508.0							
12.7	DBS	00496	11.18	35.453	27.11		1503.3							
12.7	DBS	T00594	09.26	35.266	27.30		1497.6							
12.7	DBS	00791	06.73	35.149	27.59		1491.2							
12.7	DBS	T00593	05.35	35.098	27.73		1489.0							
12.7	DBS	T01499	04.02	34.987	27.80		1451.6							

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REFID 31 1917 YEAR 1971 BDTP 04755 AIR TEMP 29.4 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MDNTH 07 SHIP A1 WET BULB 25.6 11 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 08 DATA USE 1 BARMETR 1020.8 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR /35 WEATHER X1 DRIG E59 006 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	S103	PH
12.9	DBS	00000	23.21	36.280	24.86		1532.0							
12.9	DBS	00027	22.46	36.279	25.08		1530.5							
12.9	DBS	00050	17.93	36.324	26.32		1518.7							
12.9	DBS	00077	16.86	36.310	26.57		1516.0							
12.9	DBS	00100	16.74	36.313	26.60		1516.0							
12.9	DBS	00151	16.43	36.275	26.64		1515.9							
12.9	DBS	T00201	15.42	36.105	26.75		1513.4							
12.9	DBS	00303	14.19	35.895	26.86		1510.9							
12.9	DBS	00404	13.00	35.712	26.96		1508.4							
12.9	DBS	00506	11.12	35.429	27.11		1503.2							
12.9	DBS	T00610	09.19	35.261	27.31		1457.8							
12.9	DBS	00821	06.99	35.238	27.63		1492.8							
12.9	DBS	T01030	05.50	35.128	27.74		1490.2							

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REFID 31 1917 YEAR 1971 BDTP 03109 AIR TEMP 29.9 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MDNTH 07 SHIP A1 WET BULB 21.9 11 0 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 11 DATA USE 1 BARMETR 1024.0 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 DRIG E59 007 1 SQUARE 58

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	PD4	TOT P	NO2	NO3	S103	PH
12.8	DBS	00000	23.56	36.330	24.75		1532.9							
12.8	DBS	00024	22.82	36.329	25.01		1531.4							
12.8	DBS	00048	20.22	36.317	25.73		1525.1							
12.8	DBS	00072	17.12	36.320	26.52		1516.7							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTDP 05931 AIR TEMP 24.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 07 SHIP A1 WET BULB 21.8 11 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 12 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 17.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
17.1	085	00000	23.93	36.275	24.65		1533.7							
17.1	085	00025	22.90	36.280	24.95		1531.6							
17.1	085	00050	18.91	36.324	26.07		1521.5							
17.1	085	00075	17.34											
17.1	085	00100	16.86	36.315	26.57		1516.4							
17.1	085	00150	16.65	36.306	26.62		1516.5							
17.1	085	T00205	15.62	36.134	26.72		1514.1							
17.1	085	00305	14.37	35.934	26.85		1511.5							
17.1	085	T00405	13.25	35.770	26.96		1509.3							
22.2	085	T01943	03.68	34.973	27.82		1497.9							
22.2	085	T02438	03.27	34.967	27.85		1504.6							
22.2	085	02931	02.88	34.938	27.87		1511.4							
22.2	085	T03705	02.37	34.901	27.88		1522.6							
22.2	085	T03804	02.27	34.899	27.89		1523.9							

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REFID 31 1917 YEAR 1971 BOTDP 04022 AIR TEMP 23.9 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 07 SHIP A1 WET BULB 22.2 11 0 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/5 CL/TR /38 WEATHER X1 ORIG E59 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	23.81	36.288	24.65		1533.4							
12.9	085	00024	21.97	36.283	25.22		1529.2							
12.9	085	00049	17.48	36.322	26.49		1517.4							
12.9	085	00073	16.96	36.315	26.55		1516.2							
12.9	085	00098	16.76	36.310	26.55		1516.0							
12.9	085	T00200	15.89	36.187	26.71		1514.9							
12.9	085	00298	14.56	35.961	26.83		1512.1							
12.9	085	T00396	13.43	35.772	26.92		1509.8							
12.9	085	00499	11.49	35.492	27.09		1504.5							
12.9	085	T00597	09.53	35.290	27.28		1498.8							
12.9	085	00792	07.33	35.248	27.59		1493.7							
12.9	085	T00993	05.73	35.140	27.72		1490.6							
12.9	085	T01493	04.06	34.978	27.76		1491.9							

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REFID 31 1917 YEAR 1971 BOTDP 04755 AIR TEMP 24.4 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 07 SHIP A1 WET BULB 23.3 24 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 47 W HOUR 12.9 AREA 05 CLOUD T/A 6/2 CL/TR /36 WEATHER X1 ORIG E59 010 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	24.00	36.303	24.65		1533.9							
12.9	085	00026	21.32	36.305	25.42		1527.6							
12.9	085	00047	18.28	36.322	26.23		1519.7							
12.9	085	00072	17.15	36.350	26.53		1516.8							
12.9	085	00091	16.87	36.320	26.58		1516.2							
12.9	085	00139	16.50	36.278	26.63		1515.9							
12.9	085	T00165	15.96	36.189	26.65		1514.9							
12.9	085	00276	14.81	35.986	26.75		1512.5							
12.9	085	00366	13.71	35.819	26.90		1510.2							
12.9	085	00453	12.28	35.596	27.02		1506.6							
12.9	085	T00540	10.78	35.405	27.15		1502.6							
12.9	085	00717	08.11	35.214	27.45		1495.4							
12.9	085	T00889	06.26	35.135	27.65		1491.0							

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REFID 31 1917 YEAR 1971 BOTDP 03658 AIR TEMP 25.2 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 07 SHIP A1 WET BULB 23.9 27 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 16 DATA USE 1 BAROMETR 1028.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 13.4 AREA 05 CLOUD T/A 3/2 CL/TR WEATHER X1 ORIG E59 011 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.4	085	00000	24.28	36.276	24.54		1534.5							
13.4	085	00028	22.50	36.277	25.06		1530.6							
13.4	085	00052	18.26	36.342	26.25		1519.7							
13.4	085	00081	17.07	36.312	26.52		1516.7							
13.4	085	00105	16.82	36.310	26.56		1516.3							
13.4	085	00158	16.52	36.282	26.63		1516.2							
13.4	085	00212	15.93	36.186	26.65		1515.2							
13.4	085	00317	14.47	35.939	26.83		1512.1							
13.4	085	T00423	12.90	35.690	26.97		1508.3							
13.4	085	00529	10.97	35.427	27.13		1503.1							
13.4	085	T00636	09.10	35.239	27.31		1497.8							
13.4	085	00854	07.15	35.242	27.61		1494.0							
13.4	085	T01668	05.61	35.126	27.72		1491.3							
13.4	085	T01608	03.98	34.971	27.75		1493.5							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTDP 04755 AIR TEMP 25.0 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 07 SHIP A1 WET BULB 23.3 20 0 3 WIND-SFD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 17 DATA USE 1 BAROMETR 1028.1 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 13.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E59 012 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
13.0	08S	00000	24.67	36.299	24.44		1535.5							
13.0	08S	00029	22.66	36.234	24.99		1531.0							
13.0	08S	00053	18.28	36.316	26.15		1520.6							
13.0	08S	000P2	17.06	36.302	26.52		1516.6							
13.0	08S	00106	16.77	36.296	26.5e		1516.2							
13.0	08S	00160	16.51	36.274	26.63		1516.2							
13.0	08S	T00213	15.81	36.158	26.70		1514.8							

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REFID 31 1917 YEAR 1971 BOTDP 04023 AIR TEMP 26.7 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 07 SHIP A1 WET BULB 23.3 27 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 18 DATA USE 1 BAROMETR 1026.1 SEA WIND-FDP DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 13.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E59 013 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
13.1	08S	00000	24.78	36.270	24.39		1535.7							
13.1	08S	00028	21.23	36.303	25.44		1527.4							
13.1	08S	00052	17.76	36.315	26.36		1518.2							
13.1	08S	00080	16.91	36.305	26.55		1516.2							
13.1	08S	00104	16.76	36.299	26.59		1516.1							
13.1	08S	00157	16.49	36.275	26.63		1516.1							
13.1	08S	T00210	15.94	36.185	26.65		1515.2							
13.1	08S	00416	14.60	35.932	26.80		1512.4							
13.1	08S	T00422	12.98	35.707	26.96		1508.6							
13.1	08S	00530	10.81	35.399	27.14		1502.5							
13.1	08S	00638	09.11	35.242	27.31		1497.9							
13.1	08S	00859	06.42	35.140	27.63		1491.1							
13.1	08S	T01076	04.89	35.025	27.73		1488.4							
13.1	08S	T01624	03.93	34.969	27.75		1493.5							

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REFID 31 1917 YEAR 1971 BOTDP 03566 AIR TEMP 25.6 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 07 SHIP A1 WET BULB 23.3 27 1 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1026.1 SEA WIND-FDP DURATION 2 SQUARE 46  
 LONG 047 45 W HOUR 19.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 014 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
19.0	08S	00000	25.20	36.311	24.25		1536.8							
19.0	08S	00029	20.96	36.318	25.53		1526.7							
19.0	08S	00053	18.24	36.342	26.26		1519.7							
19.0	08S	00082	17.18	36.272	26.46		1517.0							
19.0	08S	00106	16.61	36.188	26.54		1515.6							
19.0	08S	00159	16.04	36.175	26.66		1514.7							
19.0	08S	T00212	15.37	36.070	26.73		1513.3							
19.0	08S	00318	14.35	35.913	26.83		1511.7							
19.0	08S	T00425	12.82	35.668	26.96		1508.1							
19.0	08S	00531	11.16	35.437	27.10		1504.8							
19.0	08S	T00638	08.96	35.236	27.33		1497.3							
19.0	08S	00856	06.25	35.102	27.62		1490.3							
19.0	08S	T01068	04.85	34.999	27.71		1488.0							

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REFID 31 1917 YEAR 1971 BOTDP 04572 AIR TEMP 26.7 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 07 SHIP A1 WET BULB 23.1 27 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 20 DATA USE 1 BAROMETR 1027.4 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 18.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 015 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
18.9	08S	00000	25.73	36.323	24.14		1538.0							
18.9	08S	00025	22.99	36.260	24.91		1531.8							
18.9	08S	00049	18.61	36.327	26.15		1520.6							
18.9	08S	00074	17.19	36.336	26.51		1516.9							
18.9	08S	00099	16.77	36.313	26.59		1516.1							
18.9	08S	00149	16.56	36.298	26.63		1516.2							
18.9	08S	T00203	15.77	36.166	26.71		1514.6							
18.9	08S	00303	14.44	35.942	26.84		1511.7							
18.9	08S	00402	13.00	35.711	26.96		1506.3							
18.9	08S	00507	11.36	35.454	27.08		1504.1							
18.9	08S	T00606	09.38	35.266	27.28		1498.4							
18.9	08S	00805	06.96	35.170	27.58		1492.4							
18.9	08S	T01009	05.03	35.024	27.71		1487.8							

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TABLE XXXVIII.—Continued

REFID 31 1917 YEAR 1971 BOTOP 04846 AIR TEMP 25.0 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 07 SHIP A1 WET BULB 23.3 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 21 DATA USE 1 BARMETR 1028.8 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 03 W HOUR 12.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E59 016 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.9	08S	00000	25.20	36.330	24.31		1536.8							
12.9	08S	00029	21.88	36.274	25.24		1529.1							
12.9	08S	00053	18.12	36.317	26.27		1519.3							
12.9	08S	00081	16.97	36.299	26.54		1516.4							
12.9	08S	00105	16.77	36.292	26.58		1516.1							
12.9	08S	00158	16.49	36.278	26.63		1516.2							
12.9	08S	T00211	15.67	36.136	26.71		1514.3							
12.9	08S	00316	14.23	35.896	26.85		1511.2							
12.9	08S	00421	12.82	35.682	26.98		1508.0							
12.9	08S	00526	10.81	35.403	27.14		1502.4							
12.9	08S	T00631	09.01	35.248	27.33		1457.4							
12.9	08S	00848	06.00	35.059	27.62		1489.1							
12.9	08S	T01060	05.13	35.074	27.74		1489.2							
12.9	08S	T01598	03.97	34.976	27.79		1453.3							

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REFID 31 1917 YEAR 1971 BOTOP 02926 AIR TEMP 27.8 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 07 SHIP A1 WET BULB 22.6 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 22 DATA USE 1 BARMETR 1029.1 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 10 W HOUR 11.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 CRIG E59 017 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.7	08S	00000	25.27	36.327	24.28		1536.9							
11.7	08S	00024	22.43	36.246	25.06		1530.4							
11.7	08S	00044	18.05	36.323	26.14		1520.7							
11.7	08S	00068	17.14	36.312	26.50		1516.7							
11.7	08S	00088	16.79	36.295	26.58		1515.9							
11.7	08S	00132	16.67	36.297	26.61		1516.3							
11.7	08S	T00176	16.07	36.208	26.68		1515.1							
11.7	08S	00262	14.44	35.936	26.83		1511.1							
11.7	08S	T00348	13.71	35.818	26.90		1509.9							
11.7	08S	00436	12.61	35.646	26.95		1507.5							
11.7	08S	T00523	10.89	35.412	27.13		1502.7							
11.7	08S	00704	08.05	35.211	27.45		1495.0							
11.7	08S	T00867	05.60	35.050	27.66		1488.2							
11.7	08S	T01380	04.16	34.979	27.77		1490.4							

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REFID 31 1917 YEAR 1971 BOTOP 03840 AIR TEMP 25.1 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0018 MONTH 07 SHIP A1 WET BULB 22.2 WIND-SPD 05 TRACE DIR 5 SQUARE 3  
 LAT 35 00 N DAY 23 DATA USE 1 BARMETR 1028.1 SEA WIND-FUR 2 SQUARE 40  
 LONG 050 04 W HOUR 13.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E59 018 1 SQUARE 50

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.8	08S	00000	25.54	36.334	24.20		1537.6							
13.8	08S	00024	22.77	36.274	24.95		1531.2							
13.8	08S	00048	21.24	36.394	25.51		1527.9							
13.8	08S	00071	19.77											
13.8	08S	00095	18.93	36.456	26.17		1522.4							
13.8	08S	00142	18.19	36.452	26.35		1521.1							
13.8	08S	T00194	17.72	36.436	26.46		1520.6							
13.8	08S	00289	17.37	36.424	26.53		1521.1							
13.8	08S	00384	17.00	36.372	26.58		1521.5							
13.8	08S	T00560	15.20	36.036	26.74		1518.5							
13.8	08S	00737	11.73	35.494	27.04		1509.3							
13.8	08S	00915	08.04	35.158	27.41		1498.3							
13.8	08S	T01345	04.52	35.003	27.75		1451.3							

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TABLE XXXIX.—Observed and interpolated oceanographic data for stations taken by USCGC SPENCER at Ocean Station ECHO, 24 July 1971 - 17 August 1971, prepared from NODC listing No. 31 - 1905.

REFID 31 1905	YEAR 1971	BDTOP 02400	AIR TEMP 26.2	OIR FGT PER	WIND-OIR 34	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 07	SHIP SC	WET BULB 22.6	34 2 2	WIND-SPO 14	TRACE DIR	5 SQUARE 2
LAT 34 56 N	DAY 24	DATA USE 1	BAROMETR 1025.6	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 048 31 W	HRUR 16.7	AREA 05	CLDUD T/A 8/3	CL/TR	WEATHER X1	ORIG E60 001	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
16.7	085	00000	25.47	36.375	24.26		1537.5							
16.7	085	00026	21.28	36.319	25.44		1527.5							
16.7	085	00048	18.32	36.315	26.22		1519.8							
16.7	085	00074	17.14	36.314	26.51		1516.8							
16.7	085	00095	16.83	36.319	26.58		1516.2							
16.7	085	00143	16.49	36.300	26.65		1515.9							
16.7	085	00190	15.86	36.174	26.70		1514.6							
16.7	085	00285	14.86	36.038	26.82		1512.9							
16.7	085	T00380	13.74	35.830	26.90		1510.6							
16.7	085	00476	12.39	35.623	27.01		1507.4							
16.7	085	T00572	10.33	35.372	27.20		1501.4							
16.7	085	00781	07.26	35.205	27.56		1493.2							
16.7	085	00967		35.126										
16.7	085	T01461	04.03	35.003	27.81		1491.2							

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REFID 31 1905	YEAR 1971	BDTOP 02400	AIR TEMP 23.2	DIR FGT PER	WIND-OIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 07	SHIP SC	WET BULB 22.4	35 4 2	WIND-SPO 14	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 25	DATA USE 1	BAROMETR 1022.1	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 048 08 W	HRUR 12.1	AREA 05	CLOUD T/A 7/7	CL/TR	WEATHER X6	ORIG E60 002	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	25.30	36.279	24.24		1537.0							
12.1	085	00028	22.86	36.248	24.94		1531.5							
12.1	085	00050	18.31	36.353	26.25		1519.8							
12.1	085	00078	16.97	36.320	26.55		1516.3							
12.1	085	00101	16.82	36.327	26.55		1516.3							
12.1	085	00151	16.52	36.288	26.63		1516.1							
12.1	085	00201	15.80	36.172	26.71		1514.6							
12.1	085	00301	14.53	35.970	26.84		1512.0							
12.1	085	T00401	13.35	35.768	26.93		1509.6							
12.1	085	00501	11.20	35.445	27.10		1503.5							
12.1	085	T00601	09.50	35.284	27.28		1498.8							
12.1	085	00805	06.72	35.144	27.59		1491.4							
12.1	085	01005	05.18	35.056	27.72		1488.4							
12.1	085	T01508	03.97	34.987	27.80		1491.8							

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REFID 31 1905	YEAR 1971	BDTOP 03658	AIR TEMP 26.0	DIR FGT PER	WIND-OIR 06	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 07	SHIP SC	WET BULB 22.0	01 4 3	WIND-SPO 13	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 26	DATA USE 1	BAROMETR 1024.6	SEA	WIND-FDR	DURATION	2 SQUARE 48
LONG 048 00 W	HRUR 12.6	AREA 05	CLDUD T/A 3/2	CL/TR /40	WEATHER X1	ORIG E60 003	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	085	00000	25.50	36.367	24.24		1537.5							
12.6	085	00024	22.64	36.267	25.02		1530.9							
12.6	085	00048	18.44	36.335	26.20		1520.1							
12.6	085	00071	17.14	36.330	26.52		1516.7							
12.6	085	00095	16.86	36.316	26.57		1516.3							
12.6	085	00142	16.54	36.293	26.63		1516.1							
12.6	085	T00195	15.80	36.179	26.72		1514.5							
12.6	085	00289	14.57	35.961	26.82		1511.9							
12.6	085	T00384	13.32	35.761	26.93		1509.2							
12.6	085	00484	11.58	35.504	27.08		1504.6							
12.6	085	T00579	09.77	35.307	27.25		1499.4							
12.6	085	00769	07.50	35.224	27.54		1493.9							
12.6	085	00965		35.060										
12.6	085	T01452	04.01	34.999	27.81		1491.0							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTDP 03548 AIR TEMP 25.0 DIR HGT PER WIND-OIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 07 SHIP SC WET BULB 22.1 35 1 3 WIND-SPD 00 TRACE OIR 5 SQUARE 4  
 LAT 35 00 N DAY 27 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 004 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	0BS	00000	25.71	36.378	24.18		1538.0							
12.0	0BS	00025	23.76	36.287	24.71		1533.7							
12.0	0BS	00050	18.70	36.337	26.14		1520.9							
12.0	0BS	00075	17.05	36.323	26.53		1516.5							
12.0	0BS	00100	16.85	36.317	26.58		1516.3							
12.0	0BS	00150	16.47	36.288	26.65		1516.0							
12.0	0BS	T00200	15.72	36.162	26.72		1514.3							
12.0	0BS	00300	14.41	35.945	26.85		1511.6							
12.0	0BS	T00400	13.28	35.769	26.95		1509.3							
12.0	0BS	00500	11.67	35.517	27.07		1505.2							
12.0	0BS	T00600	09.35	35.284	27.30		1498.2							
12.0	0BS	00800	06.85	35.169	27.59		1491.9							
12.0	0BS	T01000	05.24	35.054	27.71		1488.6							
12.0	0BS	T01505	04.05	34.998	27.80		1492.1							

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REFID 31 1905 YEAR 1971 BOTDP 04300 AIR TEMP 25.1 DIR HGT PER WIND-OIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 07 SHIP SC WET BULB 22.5 49 3 2 WIND-SPD 18 TRACE OIR 5 SQUARE 2  
 LAT 34 54.4N DAY 28 DATA USE 1 BAROMETR 1023.8 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56.9W HOUR 13.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E60 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.1	0BS	00000	25.62	36.363	24.20		1537.8							
13.1	0BS	00025	23.28	36.270	24.83		1532.5							
13.1	0BS	00046	18.34	36.332	26.22		1519.8							
13.1	0BS	00070	17.25											
13.1	0BS	00092	16.84	36.311	26.58		1516.2							
13.1	0BS	00137	16.59	36.292	26.62		1516.1							
13.1	0BS	00182	16.02	36.202	26.68		1515.0							
13.1	0BS	00274	14.73	35.987	26.81		1512.2							
13.1	0BS	00368	13.45	35.772	26.92		1509.4							
13.1	0BS	T00565	10.06	35.524	27.21		1500.3							
13.1	0BS	00766	06.99	35.131	27.54		1491.8							
13.1	0BS	00976	05.72	35.119	27.70		1490.2							
13.1	0BS	T01530	04.03	35.009	27.81		1492.4							

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REFID 31 1905 YEAR 1971 BOTDP 02926 AIR TEMP 23.8 DIR HGT PER WIND-OIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 07 SHIP SC WET BULB 21.8 01 1 2 WIND-SPD 10 TRACE OIR 5 SQUARE 4  
 LAT 35 01.4N DAY 29 DATA USE 1 BAROMETR 1019.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 03.5W HOUR 12.6 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X8 ORIG E60 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	0BS	00000	25.18	36.328	24.31		1536.7							
12.6	0BS	00029	20.34	36.310	25.69		1525.1							
12.6	0BS	00054	17.55	36.322	26.41		1517.7							
12.6	0BS	00083	16.89	36.301	26.56		1516.2							
12.6	0BS	00107	16.74	36.288	26.5E		1516.1							
12.6	0BS	00161	16.35	36.249	26.64		1515.7							
12.6	0BS	00215	15.57	36.105	26.71		1514.1							
12.6	0BS	00322	14.26	35.889	26.84		1511.4							
12.6	0BS	T00429	12.66	35.639	26.97		1507.6							
12.6	0BS	00536	10.40	35.328	27.16		1501.0							
12.6	0BS	T00644	08.77	35.231	27.36		1496.7							
12.6	0BS	00864	05.93	35.066	27.63		1489.1							

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REFID 31 1905 YEAR 1971 BOTDP 04993 AIR TEMP 26.4 DIR HGT PER WIND-OIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 07 SHIP SC WET BULB 23.4 05 2 2 WIND-SPD 14 TRACE OIR 5 SQUARE 2  
 LAT 33 40 N DAY 30 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 26  
 LONG 046 36 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 007 1 SQUARE 36

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	0BS	00000	25.95	36.798	24.43		1539.0							
12.0	0BS	00029	24.51	36.716	24.81		1536.1							
12.0	0BS	00053	20.85	36.609	25.78		1527.2							
12.0	0BS	00082	19.35	36.631	26.19		1523.6							
12.0	0BS	00106	18.62	36.561	26.33		1521.9							
12.0	0BS	00159	17.54	36.435	26.50		1519.5							
12.0	0BS	T00214	17.22	36.422	26.57		1519.4							
12.0	0BS	00319	16.88	36.370	26.61		1520.1							
12.0	0BS	T00426	15.97	36.204	26.70		1518.9							
12.0	0BS	00532	14.67	35.972	26.81		1516.3							
12.0	0BS	T00639	13.14	35.734	26.95		1512.7							
12.0	0BS	00857	08.60	35.209	27.37		1499.6							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTOP 04755 AIR TEMP 26.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 07 SHIP SC WET BULB 22.5 13 1 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 45 N DAY 31 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 35 W HOUR 13.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 008 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.1	OBS	00000	25.40	36.286	24.21		1537.2							
13.1	OBS	00024	22.82	36.277	24.97		1531.4							
13.1	OBS	00047	18.70	36.348	26.15		1520.9							
13.1	OBS	00071	17.21	36.342	26.51		1517.0							
13.1	OBS	00094	16.86	36.315	26.57		1516.3							
13.1	OBS	00142	16.71	36.328	26.62		1516.6							
13.1	OBS	00194	16.17	36.227	26.67		1515.7							
13.1	OBS	00288	14.92	36.030	26.80		1513.1							
13.1	OBS	T00383	13.82	35.844	26.85		1510.9							
13.1	OBS	00482	12.40	35.629	27.02		1507.5							
13.1	OBS	T00576	10.58	35.410	27.15		1502.5							
13.1	OBS	00764	07.80	35.200	27.48		1495.0							
13.1	OBS	T00957	05.96	35.151	27.70		1490.9							
13.1	OBS	T01437	04.19	35.016	27.80		1491.5							

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REFID 31 1905 YEAR 1971 BOTOP 04023 AIR TEMP 25.1 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 08 SHIP SC WET BULB 21.1 09 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 01 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 009 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.0	OBS	00000	25.63	36.387	24.22		1537.8							
13.0	OBS	00024	23.35	36.302	24.84		1532.7							
13.0	OBS	00047	18.69	36.349	26.15		1520.9							
13.0	OBS	00071	17.22	36.333	26.50		1517.0							
13.0	OBS	00094	16.90	36.356	26.60		1516.4							
13.0	OBS	00141	16.62	36.312	26.63		1516.3							
13.0	OBS	T00193	15.97	36.203	26.70		1515.1							
13.0	OBS	00287	14.69	36.004	26.83		1512.3							
13.0	OBS	T00382	13.53	35.807	26.93		1509.9							
13.0	OBS	00481	11.93	35.562	27.06		1505.8							
13.0	OBS	T00576	10.19	35.395	27.25		1501.0							
13.0	OBS	00765	07.50	35.233	27.55		1493.9							
13.0	OBS	00961	05.20	35.046	27.71		1487.8							
13.0	OBS	T01458	04.07	35.009	27.81		1491.4							

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REFID 31 1905 YEAR 1971 BOTOP 02910 AIR TEMP 25.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 08 SHIP SC WET BULB 22.5 09 0 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 02 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 51 W HOUR 13.1 AREA 05 CLOUD T/A 8/2 CL/TR /46 WEATHER X1 ORIG E60 010 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.1	OBS	00000	25.82	36.390	24.16		1538.3							
13.1	OBS	00024	23.45	36.364	24.86		1533.0							
13.1	OBS	00047	19.53	36.370	25.95		1523.2							
13.1	OBS	00071	17.16	36.384	26.55		1516.9							
13.1	OBS	00094	16.77	36.395	26.66		1516.1							
13.1	OBS	00141	16.06	36.213	26.68		1514.5							
13.1	OBS	00193	15.40	36.096	26.74		1513.2							
13.1	OBS	00287	14.27	35.936	26.87		1510.9							
13.1	OBS	T00382	13.23	35.755	26.95		1508.6							
13.1	OBS	00481	11.53	35.511	27.05		1504.4							
13.1	OBS	00576	09.64	35.316	27.28		1498.9							
13.1	OBS	00766	06.92	35.163	27.58		1491.6							
13.1	OBS	T00961	05.66	35.174	27.75		1489.8							
13.1	OBS	T01461	04.03	34.988	27.79		1491.2							

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REFID 31 1905 YEAR 1971 BOTOP 04389 AIR TEMP 25.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 08 SHIP SC WET BULB 22.4 09 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 03 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 52 W HOUR 19.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 011 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
19.3	OBS	00000	26.42	36.340	23.93		1539.6							
19.3	OBS	00025	23.32	36.243	24.80		1532.6							
19.3	OBS	00050	19.67	36.298	25.86		1523.6							
19.3	OBS	00075	17.20	36.303	26.48		1516.9							
19.3	OBS	00100	16.63	36.289	26.61		1515.6							
19.3	OBS	00150	15.73	36.149	26.71		1513.5							
19.3	OBS	T00206	14.86	35.992	26.78		1511.5							
19.3	OBS	00307	13.81	35.833	26.85		1509.6							
19.3	OBS	T00408	12.26	35.599	27.02		1505.8							
19.3	OBS	00515	10.68	35.400	27.16		1501.8							
19.3	OBS	00617	08.62	35.209	27.36		1495.7							
19.3	OBS	00821	06.06	35.076	27.63		1489.0							
19.3	OBS	T01031	04.93	35.036	27.73		1487.8							
19.3	OBS	T01552	03.99	34.991	27.80		1492.6							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTOP 04343 AIR TEMP 25.6 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN 50 1206  
 CONSEC 0012 MONTH 08 SHIP SC WET BULB 22.7 07 1 2 WIND-SPO 09 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1027.8 SEA WIND-FDP DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 DRIG E60 012 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	25.98	36.355	24.08		1538.3							
12.3	08S	00025	22.00	36.291	23.22		1529.3							
12.3	08S	00049	18.69	36.311	26.12		1520.8							
12.3	08S	00074	17.13	36.314	26.51		1516.7							
12.3	08S	00099	16.73	36.266	26.57		1515.9							
12.3	08S	00149	16.27	36.245	26.66		1515.3							
12.3	08S	T00204	15.63	36.135	26.72		1514.1							
12.3	08S	00304	14.33	35.421	26.85		1511.4							
12.3	08S	T00404	12.85	35.688	26.97		1507.8							
12.3	08S	00508	11.24	35.462	27.11		1503.7							
12.3	08S	T00608	09.35	35.275	27.30		1498.3							
12.3	08S	00807	06.26	35.108	27.62		1489.0							
12.3	08S	T01012	05.18	35.076	27.74		1480.6							
12.3	08S	01520	03.98	34.991	27.80		1492.0							

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REFID 31 1905 YEAR 1971 BOTOP 02286 AIR TEMP 26.1 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN 50 1206  
 CONSEC 0013 MONTH 08 SHIP SC WET BULB 22.5 10 1 2 WIND-SPO 13 TRACE DIR 5 SQUARE 4  
 LAT 35 03.5N DAY 05 DATA USE 1 BAROMETR 1026.3 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 09.0W HOUR 12.3 AREA 05 CLOUD T/A 9/6 CL/TR WEATHER X8 DRIG E60 013 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	25.92	36.401	24.14		1538.5							
12.3	08S	00025	24.48	36.317	24.51		1535.5							
12.3	08S	00045	19.50	36.345	25.94		1523.1							
12.3	08S	00069	17.87	36.345	26.35		1518.9							
12.3	08S	00088	17.13	36.342	26.53		1517.0							
12.3	08S	00132	16.75	36.331	26.61		1516.0							
12.3	08S	T00176	16.19	36.245	26.68		1515.5							
12.3	08S	00264	14.96	36.034	26.79		1512.9							
12.3	08S	00353	13.75	35.835	26.90		1510.2							
12.3	08S	00444	12.63	35.664	27.00		1507.7							
12.3	08S	T00537	10.54	35.378	27.17		1501.6							
12.3	08S	00732	07.71	35.241	27.53		1496.2							
12.3	08S	T00931	05.89	35.138	27.70		1490.2							
12.3	08S	T01454	04.07	35.007	27.81		1491.3							

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REFID 31 1905 YEAR 1971 BOTOP 03109 AIR TEMP 25.4 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN 50 1206  
 CONSEC 0014 MONTH 08 SHIP SC WET BULB 22.8 15 2 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 06 DATA USE 1 BAROMETR 1020.4 SEA WIND-FDP DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 12.3 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 DRIG E60 014 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	25.46	36.352	24.24		1537.4							
12.3	08S	00028	23.94	36.262	24.63		1534.2							
12.3	08S	00052	19.75	36.349	25.87		1523.9							
12.3	08S	00079	17.40	36.305	26.44		1517.0							
12.3	08S	00103	16.76	36.335	26.61		1516.1							
12.3	08S	00155	16.41	36.283	26.66		1515.9							
12.3	08S	T00206	15.71	36.150	26.72		1514.4							
12.3	08S	00310	14.36	35.949	26.86		1511.6							
12.3	08S	00412	12.90	35.690	26.97		1508.2							

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REFID 31 1905 YEAR 1971 BOTOP 04023 AIR TEMP 27.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN 50 1206  
 CONSEC 0015 MONTH 08 SHIP SC WET BULB 25.0 18 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1026.4 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E60 015 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.9	08S	00000	25.77	36.235	24.06		1538.0							
12.9	08S	00027	24.91	36.325	24.39		1536.5							
12.9	08S	00050	20.40	36.337	25.65		1525.6							
12.9	08S	00077	17.76	36.375	26.40		1518.7							
12.9	08S	00100	17.04	36.338	26.55		1516.9							
12.9	08S	00150	16.64	36.335	26.64		1516.5							
12.9	08S	T00200	16.11	36.230	26.65		1515.6							
12.9	08S	00299	14.81	36.069	26.85		1513.0							
12.9	08S	T00398	13.64	35.818	26.91		1510.5							
12.9	08S	00497	12.10	35.578	27.04		1506.7							
12.9	08S	00596	10.36	35.363	27.19		1501.9							
12.9	08S	00797	07.47	35.229	27.55		1494.3							
12.9	08S	00993	06.10	35.177	27.70		1492.1							
12.9	08S	T01489	04.13	35.036	27.82		1492.2							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTOP 04000 AIR TEMP 25.3 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 08 SHIP SC WET BULB 21.8 00 0 X WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1021.9 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 016 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
12.3	085	00000	25.53	36.303	24.18		1537.5							
12.3	085	00024	25.58	36.302	24.17		1538.0							
12.3	085	00048	21.83	36.314	25.28		1529.3							
12.3	085	00071	19.17	36.304	25.99		1522.5							
12.3	085	00095	17.32	36.293	26.45		1517.6							
12.3	085	T00194	15.38	36.125	25.77		1513.1							
12.3	085	00288	14.07	35.896	26.88		1510.2							
12.3	085	00383	13.02	35.742	26.98		1508.1							
12.3	085	00481	11.27	35.470	27.11		1503.4							
12.3	085	T00576	09.68	35.316	27.27		1499.1							
12.3	085	00765	07.59	35.289	27.58		1494.3							
12.3	085	00959	05.71	35.153	27.73		1489.9							
12.3	085	T01442	04.17	35.030	27.81		1491.5							

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REFID 31 1905 YEAR 1971 BOTOP 04100 AIR TEMP 27.6 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 08 SHIP SC WET BULB 22.4 04 0 2 WIND-SPD 02 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 12 DATA USE 1 BAROMETR 1023.4 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 13 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 017 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
12.3	085	00000	25.71	36.292	24.12		1537.9							
12.3	085	00024	25.53	36.317	24.15		1537.7							
12.3	085	00049	20.68	36.336	25.62		1526.3							
12.3	085	00073	18.80	36.347	26.12		1521.6							
12.3	085	00097	17.06	36.336	26.54		1516.9							
12.3	085	00146	16.07	36.335	26.62		1516.7							
12.3	085	T00199	16.07	36.347	26.78		1515.6							
12.3	085	00296	14.76	36.235	26.99		1513.0							
12.3	085	00392	13.50	36.008	27.09		1510.2							
12.3	085	00493	12.21	35.835	27.21		1507.3							
12.3	085	T00589	10.70	35.616	27.33		1503.4							
12.3	085	00780	07.67	35.262	27.55		1494.8							
12.3	085	T00976	05.41	35.082	27.71		1488.9							
12.3	085	T01465	04.11	35.037	27.83		1491.7							

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REFID 31 1905 YEAR 1971 BOTOP 04200 AIR TEMP 25.1 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 08 SHIP SC WET BULB 22.9 15 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1025.3 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E60 018 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
12.3	085	00000	26.29	36.323	23.96		1539.3							
12.3	085	00025		36.269										
12.3	085	00050	20.03	36.376	25.82		1524.6							
12.3	085	00075	17.86	36.343	26.35		1518.9							
12.3	085	00100	16.85	36.337	26.59		1516.4							
12.3	085	00150	16.50	36.299	26.65		1516.1							
12.3	085	T00205	15.68	36.152	26.72		1514.3							
12.3	085	00305	14.50	35.974	26.85		1512.0							
12.3	085	T00406	13.54	35.802	26.92		1510.3							
12.3	085	00511	11.62	35.511	27.08		1505.2							
12.3	085	00611	10.16	35.374	27.24		1501.5							
12.3	085	00811	07.32	35.234	27.58		1494.0							
12.3	085	T01016	05.54	35.087	27.70		1490.1							
12.3	085	T01527	04.20	35.032	27.81		1493.1							

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REFID 31 1905 YEAR 1971 BOTOP 04000 AIR TEMP 26.4 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 08 SHIP SC WET BULB 22.3 15 0 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 14 DATA USE 1 BAROMETR 1025.2 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E60 019 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SI03	PH
12.5	085	00000	26.31	36.282	23.92		1539.3							
12.5	085	00025		36.278	24.38		1536.2							
12.5	085	00050	19.78	36.319	25.84		1523.9							
12.5	085	00075	17.46	36.381	26.48		1517.8							
12.5	085	00100	16.87	36.362	26.61		1516.4							
12.5	085	00150	16.54	36.340	26.67		1516.2							
12.5	085	T00200	15.58	36.266	26.74		1515.3							
12.5	085	00300	14.61	36.010	26.85		1512.3							
12.5	085	T00400	13.29	35.800	26.97		1509.4							
12.5	085	00500	11.84	35.558	27.07		1505.8							
12.5	085	00599	10.06	35.327	27.22		1500.9							
12.5	085	00797	07.25	35.196	27.56		1493.4							
12.5	085	00995	05.58	35.106	27.71		1490.0							
12.5	085	T01486	04.06	35.003	27.80		1491.8							

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TABLE XXXIX.—Continued

REFID 31 1905 YEAR 1971 BOTDP 04100 AIR TEMP 25.5 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 08 SHIP SC WET BULB 21.9 07 1 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 31 N DAY 15 DATA USE 1 BARDNETR 1026.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 12.5 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 DRIG E60 020 1 SQUARE 58

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	25.89	36.305	24.07		1538.3							
12.5	OBS	00026	23.64	36.342	24.78		1533.5							
12.5	OBS	00047	21.27	36.435	25.53		1528.0							
12.5	OBS	00071	19.26	36.474	26.10		1523.0							
12.5	OBS	00092	18.67	36.501	26.27		1521.7							
12.5	OBS	00138	18.09	36.485	26.40		1520.8							
12.5	OBS	T00184	17.76	36.454	26.46		1520.6							
12.5	OBS	00278	17.35	36.429	26.54		1520.9							
12.5	OBS	T00367	17.00	36.392	26.60		1521.3							
12.5	OBS	00458	16.04	36.201	26.68		1519.6							

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REFID 31 1905 YEAR 1971 BOTDP 04100 AIR TEMP 25.9 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0021 MONTH 08 SHIP SC WET BULB 22.3 09 1 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 16 DATA USE 1 BARDNETR 1026.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 11.6 AREA 05 CLOUD T/A 8/5 CL/TR /37 WEATHER X4 DRIG E60 021 1 SQUARE 48

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	26.36	36.372	23.98		1539.5							
11.6	OBS	00026	24.48	36.336	24.53		1535.5							
11.6	OBS	00051	20.23	36.339	25.74		1525.2							
11.6	OBS	00077	18.53	36.361	26.20		1520.9							
11.6	OBS	00102	17.27	36.336	26.45		1517.6							
11.6	OBS	00153	16.77	36.311	26.55		1517.0							
11.6	OBS	T00210	16.44	36.268	26.64		1516.8							
11.6	OBS	00312	15.17	36.063	26.77		1514.3							
11.6	OBS	T00414	13.75	35.814	26.85		1511.2							
11.6	OBS	00522	12.14	35.589	27.04		1507.3							
11.6	OBS	00624	10.28	35.357	27.20		1502.1							
11.6	OBS	00829	07.50	35.203	27.53		1494.9							
11.6	OBS	T01039	05.58	35.099	27.70		1490.7							
11.6	OBS	T01561	04.00	35.009	27.81		1492.8							

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TABLE XL.—Observed and interpolated oceanographic data for stations taken by USCGC SHERMAN at Ocean Station ECHO, 17 August 1971 - 14 September 1971, prepared from NODC listing No. 31 - 1916.

REFID 31 1916 YEAR 1971 BOTDP 04682 AIR TEMP 26.7 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 COYSEC 0001 MONTH 08 SHIP 1H WET BULB 22.1 WET SPO 03 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 17 DATA USE 1 BAROMETR 1026.9 SEA WIND-FGR CURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 13.4 AREA 05 CLOUD T/A H/S CL/TR 730 WEATHER X1 ORIG E61 001 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OUYG	PU4	TOT P	NO2	NO3	SI03	PH
13.4	UBS	00000	26.20	36.350	23.98		1529.3							
13.4	UBS	00030	25.30											
13.4	UBS	00054	19.57											
13.4	UBS	00083	18.04											
13.4	UBS	00107	16.65											
13.4	UBS	00161	16.66											
13.4	UBS	T00215	16.19											
13.4	UBS	00322	14.67											
13.4	UBS	T00429	13.46											
13.4	UBS	00537	11.18	35.420	27.09		1505.9							
13.4	UBS	T00645	09.36	35.267	27.29		1499.0							
13.4	UBS	00866	06.95	35.222	27.62		1455.4							
13.4	UBS	T01084	05.72	35.145	27.72		1492.0							
13.4	UBS	01630	04.04	35.000	27.80		1454.1							

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REFID 31 1916 YEAR 1971 BOTDP 04497 AIR TEMP 26.1 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 COYSEC 0002 MONTH 08 SHIP 1H WET BULB 22.4 WET SPO 10 TRACE DIR 5 SQUARE 2  
 LAT 34 59.3N DAY 18 DATA USE 1 BAROMETR 1023.9 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 01.2W HOUR 12.1 AREA 05 CLOUD T/A H/S CL/TR WEATHER X1 ORIG E61 002 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OUYG	PU4	TOT P	NO2	NO3	SI03	PH
12.1	UBS	00000	26.15	36.346	24.02		1539.0							
12.1	UBS	00022	25.67	36.334	24.16		1538.2							
12.1	UBS	00042	23.55	36.289	24.77		1533.5							
12.1	UBS	00065	20.36	36.318	25.64		1525.7							
12.1	UBS	00085	18.17	36.321	26.26		1520.0							
12.1	UBS	00127	16.78	36.280	26.57		1516.5							
12.1	UBS	T00170	16.30	36.242	26.63		1515.7							
12.1	UBS	00255	15.05	36.013	26.76		1513.0							
12.1	UBS	T00340	13.75	35.747	26.83		1509.9							
12.1	UBS	00424	12.90	35.698	26.97		1508.4							
12.1	UBS	T00505	11.46	35.491	27.09		1504.5							
12.1	UBS	00670	08.36	35.251	27.44		1495.6							
12.1	UBS	00829	07.48	35.220	27.54		1494.5							
12.1	UBS	T01223	05.31	35.144	27.77		1492.7							

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REFID 31 1916 YEAR 1971 BOTDP 04471 AIR TEMP 25.6 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 COYSEC 0003 MONTH 08 SHIP 1H WET BULB 23.1 WET SPO 10 TRACE DIR 5 SQUARE 2  
 LAT 34 59.3N DAY 19 DATA USE 1 BAROMETR 1021.8 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 56.6W HOUR 12.0 AREA 05 CLOUD T/A H/S CL/TR WEATHER X1 ORIG E61 003 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OUYG	PU4	TOT P	NO2	NO3	SI03	PH
12.0	UBS	00000	26.05	36.278	24.00		1536.7							
12.0	UBS	00020	26.01	36.284	24.02		1536.9							
12.0	UBS	00038	21.74	36.298	25.30		1528.9							
12.0	UBS	00060	18.64	36.330	26.15		1520.9							
12.0	UBS	00078	17.38	36.295	26.44		1517.5							
12.0	UBS	00118	16.70	36.287	26.59		1516.1							
12.0	UBS	T00159	16.50	36.245	26.61		1516.2							
12.0	UBS	00239	15.26	36.046	26.74		1513.4							
12.0	UBS	T00314	14.40	35.893	26.81		1511.7							
12.0	UBS	00384	13.43	35.778	26.93		1509.6							
12.0	UBS	T00450	12.53	35.714	27.06		1507.6							
12.0	UBS	00548	10.90	35.444	27.16		1503.2							
12.0	UBS	T00628	09.51	35.292	27.28		1499.3							
12.0	UBS	T00808	07.41	35.214	27.55		1494.2							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTOP 04572 AIR TEMP 21.9 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 08 SHIP 1H WET BULB 21.6 10 2 2 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 57.5N DAY 20 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR 07 DURATION 2 SQUARE 46  
 LONG 047 57.5W HOUR 12.4 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X6 ORIG E61 004 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	25.36	34.537	22.90		1535.2							
12.4	OBS	00024	24.88											
12.4	OBS	00047	21.05	36.307	25.45		1527.2							
12.4	OBS	00070	18.58	36.317	26.15		1520.9							
12.4	OBS	00093	17.51	36.315	26.42		1518.2							
12.4	OBS	00139	16.61	36.293	26.62		1516.2							
12.4	OBS	T00190	16.09	36.200	26.67		1515.4							
12.4	OBS	00283	14.68	35.968	26.81		1512.2							
12.4	OBS	00376	13.58	35.750	26.87		1509.9							
12.4	OBS	00475	12.08	35.571	27.04		1506.3							
12.4	OBS	00570	10.49	35.379	27.18		1502.0							
12.4	OBS	00761	07.73	35.214	27.50		1494.7							
12.4	OBS	100959	06.14	35.170	27.69		1491.7							
12.4	OBS	T01453	04.28	35.025	27.80		1492.2							

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REFID 31 1916 YEAR 1971 BOTOP 04252 AIR TEMP 26.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 08 SHIP 1H WET BULB 23.6 20 3 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4  
 LAT 35 05.8N DAY 21 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR 07 DURATION 2 SQUARE 46  
 LONG 047 56.3W HOUR 15.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 005 1 SQUARE 57

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
15.3	OBS	00000	26.07	36.262	23.98		1538.7							
15.3	OBS	00025	25.61	36.298	24.15		1538.1							
15.3	OBS	00045	22.90	36.280	24.95		1531.9							
15.3	OBS	00070	19.75	36.303	25.84		1524.1							
15.3	OBS	00090	18.05	36.291	26.27		1519.7							
15.3	OBS	00131	15.30	36.055	26.74		1511.8							
15.3	OBS	T00174	14.88	36.007	26.75		1511.1							
15.3	OBS	00264	14.01	35.883	26.88		1509.6							
15.3	OBS	00453	12.29	35.612	27.03		1506.7							
15.3	OBS	00545	10.80	35.412	27.15		1502.7							
15.3	OBS	00730	08.17	35.300	27.50		1496.0							
15.3	OBS	100926	05.82	35.101	27.68		1489.8							
15.3	OBS	T01458	04.16	34.994	27.75		1491.7							

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REFID 31 1916 YEAR 1971 BOTOP 04114 AIR TEMP 25.9 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 08 SHIP 1H WET BULB 22.2 18 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 07.5N DAY 22 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR 07 DURATION 2 SQUARE 48  
 LONG 048 01.6W HOUR 11.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 006 1 SQUARE 58

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	OBS	00000	25.96	36.275	24.03		1538.5							
11.9	OBS	00029	24.14	36.292	24.60		1534.7							
11.9	OBS	00054	19.68	36.324	25.37		1523.7							
11.9	OBS	00084	17.13	36.312	26.51		1516.9							
11.9	OBS	00108	16.80	36.315	26.59		1516.3							
11.9	OBS	00163	16.63	36.314	26.63		1516.7							
11.9	OBS	T00218	15.57	36.184	26.68		1515.4							
11.9	OBS	00330	14.55	35.962	26.83		1512.6							
11.9	OBS	00563	10.84	35.411	27.14		1503.2							
11.9	OBS	T00679	09.20	35.294	27.34		1499.0							
11.9	OBS	00915	06.22	35.173	27.68		1491.3							
11.9	OBS	T01156	04.88	35.068	27.76		1489.7							
11.9	OBS	T01779	03.83	34.983	27.81		1495.7							

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REFID 31 1916 YEAR 1971 BOTOP 04023 AIR TEMP 25.7 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 08 SHIP 1H WET BULB 23.2 17 3 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 02.4N DAY 23 DATA USE 1 BAROMETR 1028.4 SEA WIND-FOR 07 DURATION 2 SQUARE 46  
 LONG 046 01.4W HOUR 11.6 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 007 1 SQUARE 58

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	25.67	36.194	24.06		1537.7							
11.6	OBS	00025	23.47	36.269	24.63		1534.2							
11.6	OBS	00049	20.25	36.341	25.74		1523.2							
11.6	OBS	00074	18.24	36.326	26.24		1520.0							
11.6	OBS	00098	17.16	36.317	26.50		1517.2							
11.6	OBS	00148	16.76	36.308	26.55		1516.8							
11.6	OBS	T00202	16.40	36.262	26.64		1516.6							
11.6	OBS	00300	15.21	36.050	26.75		1514.3							
11.6	OBS	00399	13.58	35.842	26.86		1511.7							
11.6	OBS	00502	12.70	35.666	26.99		1508.9							
11.6	OBS	T00601	10.87	35.419	27.14		1503.9							
11.6	OBS	00798	08.07	35.268	27.46		1496.7							
11.6	OBS	T01001	05.67	35.080	27.68		1490.4							
11.6	OBS	T01504	04.21	35.008	27.79		1492.7							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTOP 04572 AIR TEMP 25.6 DIP HGT PER WIND-DIP 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 08 SHIP 1H WET BULB 23.1 12 2 3 WIND-SPO 10 TRACE DIR 5 SQUARE 7  
 LAT 34 59 N DAY 24 DATA USE 1 BAROMETR 1027.9 SEA WIND-FUR 2 SQUARE 48  
 LONG 046 01 W HOUR 11.5 AREA 05 CLOUD T/A 6/5 CL/TR /16 WEATHER X1 ORIG E61 00B 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.9	08S	00000	25.52	36.241	24.14		1537.4							
11.9	08S	00033		36.251										
11.9	08S	00061	19.36	36.335	25.57		1522.9							
11.9	08S	00094	17.51	36.331	26.43		1516.2							
11.9	08S	00123	16.94	36.316	26.56		1517.0							
11.9	08S	00184	16.59	36.305	26.63		1516.9							
11.9	08S	T00246	15.92	36.166	26.70		1515.7							
11.9	08S	00369	14.52	35.965	26.84		1513.1							
11.9	08S	00491	13.14	35.744	26.96		1510.3							
11.9	08S	00618	10.82	35.417	27.15		1504.0							
11.9	08S	T00740	08.67	35.219	27.36		1497.9							
11.9	08S	00984	06.12	35.175	27.70		1492.0							
11.9	08S	T01230	04.96	35.115	27.75		1491.4							
11.9	08S	T01852	03.82	35.001	27.83		1497.0							

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REFID 31 1916 YEAR 1971 BOTOP 04572 AIR TEMP 25.3 DIP HGT PER WIND-DIP 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 08 SHIP 1H WET BULB 22.3 12 2 2 WIND-SPO 10 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 25 DATA USE 1 BAROMETR 1028.3 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 56 W HOUR 13.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 009 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
13.0	08S	00000	25.64	36.376	24.20		1537.9							
13.0	08S	00025	21.73	36.431	25.40		1526.8							
13.0	08S	00049	19.69	36.462	25.98		1523.8							
13.0	08S	00074	18.38	36.472	26.32		1520.6							
13.0	08S	00099	18.02	36.462	26.40		1519.4							
13.0	08S	00148	17.72	36.462	26.48		1519.9							
13.0	08S	T00203	17.43	36.432	26.53		1515.9							
13.0	08S	00302	17.00	36.388	26.60		1520.2							
13.0	08S	00506	14.24	35.866	26.82		1514.3							
13.0	08S	T00605	12.11	35.534	27.00		1506.4							
13.0	08S	00604	08.22	35.264	27.47		1497.3							
13.0	08S	T01007	06.04	35.113	27.66		1492.0							
13.0	08S	T01515	04.25	35.010	27.75		1493.1							

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REFID 31 1916 YEAR 1971 BOTOP 03658 AIR TEMP 25.1 DIP HGT PER WIND-DIP 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 08 SHIP 1H WET BULB 22.6 10 2 4 WIND-SPO 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 26 DATA USE 1 BAROMETR 1026.1 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 01 W HOUR 20.9 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E61 010 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
20.9	08S	00000	25.92	36.253	24.02		1538.4							
20.9	08S	00030	21.36	36.416	25.45		1527.9							
20.9	08S	00054	19.18	36.446	26.10		1522.5							
20.9	08S	00084	18.14	36.435	26.36		1520.0							
20.9	08S	00109	17.81	36.447	26.44		1519.3							
20.9	08S	00163	17.53	36.442	26.51		1519.5							
20.9	08S	T00217	17.33	36.426	26.55		1519.8							
20.9	08S	00326	16.86	36.352	26.60		1520.1							
20.9	08S	00544	13.72	35.811	26.85		1513.2							
20.9	08S	00852	11.31	35.435	27.08		1506.3							
20.9	08S	00875	07.39	35.232	27.57		1495.3							
20.9	08S	T01093	05.32	35.070	27.71		1490.5							
20.9	08S	T01640	04.09	34.996	27.75		1494.5							

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REFID 31 1916 YEAR 1971 BOTOP 04572 AIR TEMP 26.0 DIP HGT PER WIND-DIP 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 08 SHIP 1H WET BULB 22.3 12 3 3 WIND-SPO 03 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1025.9 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 44 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 011 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.4	08S	00000	25.57	36.221	24.11		1537.5							
12.4	08S	00025	23.15	36.349	24.93		1532.3							
12.4	08S	00050	19.20	36.430	26.08		1522.4							
12.4	08S	00075	18.10	36.443	26.37		1519.7							
12.4	08S	00100	17.78	36.462	26.46		1519.2							
12.4	08S	00149	17.48	36.440	26.52		1519.1							
12.4	08S	T00204	17.24	36.415	26.56		1519.3							
12.4	08S	00304	16.77	36.350	26.62		1519.5							
12.4	08S	T00404	14.95	35.985	26.76		1515.1							
12.4	08S	00509	13.18	35.744	26.95		1510.7							
12.4	08S	T00609	10.68	35.354	27.13		1503.3							
12.4	08S	00808	07.99	35.210	27.46		1496.5							
12.4	08S	T01013	05.77	35.080	27.67		1491.0							
12.4	08S	T01521	04.21	35.001	27.79		1493.0							

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TABLE XL—Continued

REFID 31 1916 YEAR 1971 BDTOP 04114 AIR TEMP 25.5 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0012 MONTH 08 SHIP LH WET BULB 22.2 29 2 5 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1025.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E61 012 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.1	DBS	00000	25.57	36.240	24.00		1533.5							
12.1	DBS	00025	24.99	36.202	24.27		1536.6							
12.1	DBS	00050	20.40	36.384	25.73		1525.7							
12.1	DBS	00075	18.74	36.467	26.23		1521.6							
12.1	DBS	00100	18.06	36.456	26.39		1520.0							
12.1	DBS	00150	17.68	36.447	26.48		1519.8							
12.1	DBS	T00205	17.43	36.437	26.53		1519.9							
12.1	DBS	00306	17.02	36.393	26.60		1520.3							
12.1	DBS	T00407	16.53	36.302	26.64		1520.4							
12.1	DBS	00512	14.81	35.973	26.78		1516.4							
12.1	DBS	T00613	12.56	35.616	26.98		1510.2							
12.1	DBS	00813	07.39	35.102	27.46		1494.1							
12.1	DBS	T01018	05.99	35.117	27.67		1492.0							
12.1	DBS	01528	04.28	35.008	27.78		1493.4							

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REFID 31 1916 YEAR 1971 BDTOP 03457 AIR TEMP 25.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0013 MONTH 08 SHIP LH WET BULB 22.3 02 2 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 29 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55.0W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E61 101 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.9	DBS	00000	25.72	36.152	24.01		1537.8							
12.9	DBS	00029	23.60	36.432	24.86		1533.0							
12.9	DBS	00053	20.64	36.584	25.62		1526.6							
12.9	DBS	00083	19.25	36.581	26.18		1523.3							
12.9	DBS	00107	18.21	36.475	26.37		1520.6							
12.9	DBS	00161	17.66	36.429	26.47		1519.9							
12.9	DBS	T00214	17.30	36.415	26.54		1519.7							
12.9	DBS	00321	16.96	36.377	26.60		1520.4							
12.9	DBS	T00429	16.13	36.217	26.67		1519.4							
12.9	DBS	00531	14.04	35.819	26.83		1514.0							
12.9	DBS	00644	11.94	35.514	27.02		1508.5							
12.9	DBS	00863	07.90	35.236	27.49		1497.1							
12.9	DBS	T01077	05.58	35.073	27.68		1491.3							
12.9	DBS	T01613	04.14	35.001	27.79		1494.2							

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REFID 31 1916 YEAR 1971 BDTOP 04572 AIR TEMP 25.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0014 MONTH 08 SHIP LH WET BULB 23.0 28 2 2 WIND-SPD 11 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 30 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 15.1 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E61 014 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
15.1	DBS	00000	25.84	36.097	23.93		1538.0							
15.1	DBS	00025	23.16	36.475	25.02		1532.5							
15.1	DBS	00046	21.09	36.500	25.63		1527.6							
15.1	DBS	00071	19.44	36.566	26.12		1523.0							
15.1	DBS	00092	18.40	36.479	26.32		1520.9							
15.1	DBS	00139	17.72	36.446	26.47		1519.7							
15.1	DBS	T00186	17.44	36.436	26.53		1519.6							
15.1	DBS	00278	17.09	36.401	26.58		1520.1							
15.1	DBS	00370		36.324										
15.1	DBS	00460	15.29	36.064	26.74		1517.2							
15.1	DBS	00552	13.65	35.754	26.86		1513.0							
15.1	DBS	00743	69.23	35.241	27.29		1500.1							
15.1	DBS	00928	07.27	35.219	27.57		1495.7							
15.1	DBS	T01397	04.47	35.026	27.78		1492.0							

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REFID 31 1916 YEAR 1971 BDTOP 04426 AIR TEMP 25.9 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CDNSEC 0015 MONTH 08 SHIP LH WET BULB 22.8 25 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 31 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 15.4 AREA 05 CLOUD T/A 9/4 CL/TR 7/9 WEATHER X1 ORIG E61 015 1 SQUARE 49

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
15.4	DBS	00000	25.76	36.154	24.00		1537.9							
15.4	DBS	00026	22.76	36.305	25.01		1531.3							
15.4	DBS	00050	19.92	36.523	25.96		1524.5							
15.4	DBS	00079	19.13	36.554	26.19		1522.9							
15.4	DBS	00101	18.29	36.478	26.35		1520.8							
15.4	DBS	00153	17.77	36.460	26.46		1520.1							
15.4	DBS	T00203	17.45	36.429	26.52		1519.9							
15.4	DBS	00506	16.98	36.382	26.60		1520.2							
15.4	DBS	00516	15.00	36.010	26.77		1517.1							
15.4	DBS	T00621	12.62	35.630	26.97		1510.6							
15.4	DBS	00833	07.49	35.096	27.44		1494.8							
15.4	DBS	T01049	05.86	35.110	27.68		1492.0							
15.4	DBS	T01624	04.11	34.998	27.79		1494.3							

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TABLE XL.—Continued

REFID 31 1916 YEAR 1971 BOTOP 04682 AIR TEMP 25.8 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 09 SHIP 1H WET BULB 22.7 28 4 3 WIND-SPD 24 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 01 DATA USE 1 BAROMETR 1021.0 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.5 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X1 ORIG E61 C10 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	25.71	36.259	24.09		1537.9							
12.5	OBS	00025	25.48	36.255	24.16		1537.8							
12.5	OBS	00046	21.41	36.358	25.46		1528.3							
12.5	OBS	00072	19.15	36.469	26.12		1522.7							
12.5	OBS	00092	18.29	36.445	26.32		1520.6							
12.5	OBS	00137	17.75	36.445	26.46		1519.7							
12.5	OBS	T00182	17.47	36.437	26.52		1519.7							
12.5	OBS	00271	17.06	36.395	26.59		1519.9							
12.5	OBS	00453	15.73	36.150	26.71		1518.5							
12.5	OBS	00543	13.97	35.815	26.84		1514.0							
12.5	OBS	00733	09.93	35.327	27.24		1502.6							
12.5	OBS	T00925	07.34	35.222	27.57		1495.9							
12.5	OBS	T01450	04.38	35.016	27.78		1492.5							

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REFID 31 1916 YEAR 1971 BOTOP 04114 AIR TEMP 23.3 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 09 SHIP 1H WET BULB 21.5 25 4 3 WIND-SPD 20 TRACE DIR 5 SQUARE 4  
 LAT 35 01.6N DAY 02 DATA USE 1 BAROMETR 1020.5 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 00.3W HOUR 15.6 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER X6 ORIG E61 017 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
15.6	OBS	00000	25.52	36.105	24.04		1537.3							
15.6	OBS	00031	22.00	36.400	25.30		1529.6							
15.6	OBS	00055	19.37	36.464	26.06		1523.0							
15.6	OBS	00086	18.26	36.445	26.33		1520.4							
15.6	OBS	00111	17.98	36.444	26.40		1520.0							
15.6	OBS	00165	17.56	36.451	26.51		1519.7							
15.6	OBS	T00220	17.40	36.431	26.53		1520.1							
15.6	OBS	00331	16.91	36.364	26.60		1520.4							
15.6	OBS	T00442	16.09	36.206	26.67		1519.5							
15.6	OBS	00558	14.18	35.870	26.84		1515.0							
15.6	OBS	T00670	11.84	35.529	27.05		1508.6							
15.6	OBS	00895	06.70	35.131	27.58		1492.8							
15.6	OBS	T01127	05.65											
15.6	OBS	T01742	03.95	34.994	27.81		1495.6							

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REFID 31 1916 YEAR 1971 BOTOP 04023 AIR TEMP 25.4 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 09 SHIP 1H WET BULB 20.6 07 4 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 03 DATA USE 1 BAROMETR 1023.0 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E61 018 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	25.38	36.059	24.05		1536.9							
12.2	OBS	00029	23.16	36.346	24.93		1532.4							
12.2	OBS	00054	19.22	36.456	26.05		1522.6							
12.2	OBS	00084	18.13	36.453	26.37		1520.0							
12.2	OBS	00108	17.62	36.462	26.45		1519.5							
12.2	OBS	00163	17.62	36.460	26.50		1519.8							
12.2	OBS	T00217	17.38	36.427	26.53		1520.0							
12.2	OBS	00327	16.58	36.378	26.55		1520.5							
12.2	OBS	T00437	16.00	36.185	26.68		1519.1							
12.2	OBS	00549	14.49	35.934	26.82		1515.9							
12.2	OBS	T00656	12.44	35.598	26.99		1510.5							
12.2	OBS	00872	06.90	35.108	27.54		1495.2							
12.2	OBS	T01191	05.45	35.108	27.73		1492.7							
12.2	OBS	T01673	04.03	34.995	27.80		1494.8							

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REFID 31 1916 YEAR 1971 BOTOP 03795 AIR TEMP 23.8 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 09 SHIP 1H WET BULB 18.6 08 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 55.2N DAY 04 DATA USE 1 BAROMETR 1023.9 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 00.0W HOUR 16.0 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E61 019 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
16.0	OBS	00000	25.10	36.165	24.21		1536.4							
16.0	OBS	00027	25.04	36.172	24.23		1536.7							
16.0	OBS	00049	19.86	36.378	25.87		1524.2							
16.0	OBS	00074	18.92	36.438	26.16		1522.0							
16.0	OBS	00097	18.02	36.429	26.38		1519.9							
16.0	OBS	00144	17.58	36.431	26.45		1519.5							
16.0	OBS	T00192	17.40	36.426	26.53		1519.6							
16.0	OBS	00287	17.07	36.382	26.57		1520.1							
16.0	OBS	T00381	16.60	36.297	26.62		1520.2							
16.0	OBS	00479	15.36	36.072	26.73		1517.7							
16.0	OBS	T00573	13.74	35.791	26.87		1513.7							
16.0	OBS	00764	09.74	35.310	27.25		1502.6							
16.0	OBS	T00956	06.99	35.214	27.61		1495.0							
16.0	OBS	T01490	04.42	35.018	27.78		1495.2							

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TABLE XL.—Continued

REF ID	YEAR	MONTH	DAY	HR	SHIP	AREA	DATA USE	AIR TEMP	WET BULB	BAROMETR	CLOUD T/A	DIF HGT PER	SEA	CL/TR	WIND-DIR	WIND-SPD	WIND-FOR	WEATHER	INST NANSEN	CAST	TEN SQ	1206	
REF ID 31 1916	YEAR 1971	MONTH 09	DAY 05	HR 11.9	SHIP 1H	AREA 05	DATA USE 1	AIR TEMP 24.7	WET BULB 21.1	BAROMETR 1021.2	CLOUD T/A 6/6	DIF HGT PER 07 3 2	SEA	CL/TR	WIND-DIR 07	WIND-SPD 17	WIND-FOR	WEATHER X1	INST NANSEN	CAST	TEN SQ	1206	
CONSEC 0010	MONTH 09	DAY 05	HR 11.9	SHIP 1H	AREA 05	DATA USE 1														TRACE DIR	DURATION	5 SQUARE	2
LAT 34 52.1 N	DAY 05	HR 11.9	SHIP 1H	AREA 05	DATA USE 1															ORIG E61 020		2 SQUARE	48
LONG 048 30.7 W	HR 11.9	SHIP 1H	AREA 05	DATA USE 1																		1 SQUARE	48
*****																							
REF ID 31 1916	YEAR 1971	MONTH 09	DAY 06	HR 13.3	SHIP 1H	AREA 05	DATA USE 1	AIR TEMP 25.0	WET BULB 23.1	BAROMETR 1017.1	CLOUD T/A 9/3	DIF HGT PER 00 X A	SEA	CL/TR	WIND-DIR 03	WIND-SPD 03	WIND-FOR	WEATHER X1	INST NANSEN	CAST	TEN SQ	1206	
CONSEC 0011	MONTH 09	DAY 06	HR 13.3	SHIP 1H	AREA 05	DATA USE 1														TRACE DIR	DURATION	5 SQUARE	2
LAT 34 56.4 N	DAY 06	HR 13.3	SHIP 1H	AREA 05	DATA USE 1															ORIG E61 021		2 SQUARE	48
LONG 048 14.4 W	HR 13.3	SHIP 1H	AREA 05	DATA USE 1																		1 SQUARE	48
*****																							
REF ID 31 1916	YEAR 1971	MONTH 09	DAY 07	HR 12.1	SHIP 1H	AREA 05	DATA USE 1	AIR TEMP 24.3	WET BULB 22.2	BAROMETR 1020.3	CLOUD T/A 9/8	DIF HGT PER 03 4 3	SEA	CL/TR /18	WIND-DIR 03	WIND-SPD 20	WIND-FOR	WEATHER X2	INST NANSEN	CAST	TEN SQ	1206	
CONSEC 0022	MONTH 09	DAY 07	HR 12.1	SHIP 1H	AREA 05	DATA USE 1														TRACE DIR	DURATION	5 SQUARE	4
LAT 35 02.4 N	DAY 07	HR 12.1	SHIP 1H	AREA 05	DATA USE 1															ORIG E61 022		2 SQUARE	46
LONG 047 57.4 W	HR 12.1	SHIP 1H	AREA 05	DATA USE 1																		1 SQUARE	57
*****																							
REF ID 31 1916	YEAR 1971	MONTH 09	DAY 08	HR 15.8	SHIP 1H	AREA 05	DATA USE 1	AIR TEMP 24.7	WET BULB 22.1	BAROMETR 1021.8	CLOUD T/A 6/6	DIF HGT PER 09 4 3	SEA	CL/TR	WIND-DIR 09	WIND-SPD 20	WIND-FOR	WEATHER X1	INST NANSEN	CAST	TEN SQ	1206	
CONSEC 0023	MONTH 09	DAY 08	HR 15.8	SHIP 1H	AREA 05	DATA USE 1														TRACE DIR	DURATION	5 SQUARE	4
LAT 35 02.4 N	DAY 08	HR 15.8	SHIP 1H	AREA 05	DATA USE 1															ORIG E61 023		2 SQUARE	48
LONG 048 05.4 W	HR 15.8	SHIP 1H	AREA 05	DATA USE 1																		1 SQUARE	58
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TABLE XL.—Continued

REF ID	CONSEC	LAT	LONG	YEAR	MONTH	DAY	HOURL	BO TOP	SHIP I#	DATA USE	AREA	AIR TEMP	WET BULB	BAROMETR	CLOUD T/A	DIR HGT	PER	WIND-DIR	WIND-SPD	WIND-FRC	WEATHEP	INST NANSEN	CAST	TEN SQ	1206		
31	1916	0024	0024	1971	09	09	12.1	0426	1	1	05	26.2	23.5	1020.5	8/2	20	3	2	66	0	X1	E61	024	5	4	48	58
*****																											
31	1916	0025	0025	1971	09	10	14.9	0426	1	1	05	25.8	23.2	1018.4	9/4	14	1	2	09	0	X1	E61	025	5	4	48	46
*****																											
31	1916	0026	0026	1971	09	11	13.2	0426	1	1	05	26.2	23.2	1015.6	8/4	24	2	2	12	0	X1	E61	026	5	4	48	56
*****																											
31	1916	0027	0027	1971	09	12	11.9	04389	1	1	05	25.6	23.7	1015.6	9/6	28	3	2	12	0	X1	E61	027	5	4	46	47
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TABLE XL—Continued

REFID 31 1416	YEAR 1971	BOTOP 04297	AIR TEMP 26.2	OIR HGT FER	WIND-DIR 13	INST NANSEN EAST	TEN SQ 1206
CONSEC 0028	MONTH 09	SHIP LH	WET BULB 23.9	24 6 6	WIND-SPO 08	TRACE DIR	5 SQUARE 2
LAT 34 59 N	DAY 13	DATA USE 1	BAROMETH 1014.7	SEA	WIND-F JK	DURATION	2 SQUARE 46
LONG 047 57 W	HOUR 15.5	AREA 05	CLEUD T/A 6/6	CL/TR	WEATHER X1	ORIG E61 028	1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VFL	CHG	P34	TOT P	NO2	NO3	STDS	PH
15.5	0BS	00000	25.06	35.896	24.02		1536.0							
15.5	0BS	00028	24.68	35.967	24.15		1535.6							
15.5	0BS	00050	21.22	36.357	25.48		1527.8							
15.5	0BS	00070	19.26	36.412	26.05		1523.0							
15.5	0BS	00101	18.97	36.418	26.13		1522.6							
15.5	0BS	00151	17.62	36.423	26.47		1519.6							
15.5	0BS	00202	17.49	36.428	26.51		1520.0							
15.5	0BS	00303	17.04	36.374	26.58		1520.3							
15.5	0BS	00405	16.68	36.311	26.61		1520.8							
15.5	0BS	00507	15.30	36.052	26.73		1517.9							
15.5	0BS	T00609	13.65	35.788	26.85		1514.0							
15.5	0BS	00819	09.10	35.187	27.27		1500.8							
15.5	0BS	T01034	05.75	35.007	27.61		1491.1							
15.5	0BS	T01556	04.27	35.009	27.75		1493.8							

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TABLE XLI.—Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 14 September 1971 - 10 October 1971, prepared from NODC listing No. 31 - 1885.

REFID	31	1885	YEAR	1971	BOTOP	05312	AIR TEMP	24.3	OIR HGT PER	WIND-OIR	10	INST NANSEN CAST	TEN SQ	1206
CONSEC	0001		MONTH	09	SHIP CC		WET BULB	21.2	10 5 3	WIND-SPO	20	TRACE OIR	5 SQUARE	4
LAT	35 05 N		DAY	18	DATA USE	1	BAROMETR	1014.4	SEA	WIND-FOR		DURATION	2 SQUARE	48
LONG	048 15 W		HOUR	12.4	AREA	05	CLOUD T/A	8/3	CL/TR	WEATHER	X1	ORIG E62 001	1 SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.4	OBS	00000	24.40	35.992	24.25		1534.5							
12.4	OBS	00033	24.41	35.987	24.29		1535.1							
12.4	OBS	00060	21.46	36.394	25.45		1528.6							
12.4	OBS	00093	19.62	36.449	25.98		1524.3							
12.4	OBS	00120	18.73	36.442	26.21		1522.3							
12.4	OBS	00180	17.94	36.419	26.39		1521.0							
12.4	OBS	T00239	17.62	36.412	26.46		1521.0							
12.4	OBS	00356	17.15	36.368	26.54		1521.5							
12.4	OBS	T00534	15.32	36.020	26.70		1518.4							
12.4	OBS	00592	14.46	35.893	26.80		1516.5							
12.4	OBS	00706	12.91	35.677	26.95		1513.0							
12.4	OBS	T00934	07.08	35.044	27.46		1494.8							
12.4	OBS	T01161	05.15	35.040	27.71		1490.9							

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REFID	31	1885	YEAR	1971	BOTOP	05158	AIR TEMP	24.1	OIR HGT PER	WIND-OIR	07	INST NANSEN CAST	TEN SQ	1206
CONSEC	0002		MONTH	09	SHIP CC		WET BULB	22.3	17 6 4	WIND-SPO	22	TRACE OIR	5 SQUARE	4
LAT	35 01 N		DAY	19	DATA USE	1	BAROMETR	1011.4	SEA	WIND-FOR		DURATION	2 SQUARE	46
LONG	047 59.5W		HOUR	12.3	AREA	05	CLOUD T/A	0/5	CL/TR	WEATHER	X1	ORIG E62 002	1 SQUARE	57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.3	OBS	00000	23.79	36.145	24.55		1533.2							
12.3	OBS	00027	23.77	36.141	24.55		1533.6							
12.3	OBS	00049	22.61	36.296	25.05		1531.3							
12.3	OBS	00076	20.61	36.531	25.78		1526.8							
12.3	OBS	00098	19.64	36.511	26.03		1524.5							
12.3	OBS	00147	18.37	36.441	26.30		1521.7							
12.3	OBS	T00194	17.92	36.421	26.40		1521.1							
12.3	OBS	00289	17.40	36.383	26.50		1521.1							
12.3	OBS	T00433	16.77	36.298	26.58		1521.5							
12.3	OBS	00480	16.28	36.192	26.62		1520.7							
12.3	OBS	00572	14.61	35.911	26.78		1516.7							
12.3	OBS	00757	11.17	35.431	27.10		1507.6							
12.3	OBS	T00937	06.88	35.036	27.48		1494.1							

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REFID	31	1885	YEAR	1971	BOTOP	04805	AIR TEMP	24.7	OIR HGT PER	WIND-OIR	09	INST NANSEN CAST	TEN SQ	1206
CONSEC	0003		MONTH	09	SHIP CC		WET BULB	23.6	10 7 5	WIND-SPO	22	TRACE OIR	5 SQUARE	2
LAT	34 32 N		DAY	20	DATA USE	1	BAROMETR	1013.3	SEA	WIND-FOR		DURATION	2 SQUARE	46
LONG	047 18 W		HOUR	12.1	AREA	05	CLOUD T/A	6/7	CL/TR	WEATHER	X1	ORIG E62 003	1 SQUARE	47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.1	OBS	00000	24.45	36.136	24.35		1534.8							
12.1	OBS	00028	24.45	36.138	24.35		1535.2							
12.1	OBS	00052	20.78	36.274	25.54		1526.6							
12.1	OBS	00080	18.69	36.307	26.12		1521.3							
12.1	OBS	00103	17.94	36.309	26.31		1519.6							
12.1	OBS	00154	17.19	36.337	26.51		1518.2							
12.1	OBS	T00271	16.65	36.264	26.58		1516.5							
12.1	OBS	00309	16.41	36.223	26.61		1518.3							
12.1	OBS	T00411	15.10	35.990	26.73		1515.7							
12.1	OBS	00513	13.97	35.835	26.86		1513.5							
12.1	OBS	00614	12.76	35.682	26.99		1511.0							
12.1	OBS	00821	08.04	35.100	27.37		1456.7							
12.1	OBS	T01025	06.04	35.115	27.66		1492.3							
12.1	OBS	T01551	04.21	35.007	27.79		1493.5							

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TABLE XXI.—Continued

REFID 31 1885 YEAR 1971 BOTOP 04347 AIR TEMP 23.9 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 09 SHIP CC WET BULB 22.0 DIR 09 6 4 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 21 DATA USE 1 BAROMETR 1019.0 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.0 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E62 004 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	24.77	36.209	24.34		1535.6							
12.0	085	00030	24.72	36.178	24.34		1536.0							
12.0	085	00056	22.69	36.494	25.17		1531.8							
12.0	085	00088	20.50	36.436	25.74		1526.6							
12.0	085	00167	18.80	36.496	26.23		1523.3							
12.0	085	T00220	18.14	36.458	26.37		1522.2							
12.0	085	00324	17.47	36.385	26.48		1521.9							
12.0	085	T00474	16.34	36.193	26.60		1520.8							
12.0	085	00520	15.50	36.038	26.68		1518.8							
12.0	085	00611	14.16	35.968	26.84		1515.8							
12.0	085	T00797	10.29	35.348	27.19		1505.0							
12.0	085	T00979	06.31	35.011	27.54		1492.5							
12.0	085	T01483	04.37	35.001	27.77		1493.0							

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REFID 31 1885 YEAR 1971 BOTOP 04940 AIR TEMP 23.1 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 09 SHIP CC WET BULB 19.6 DIR 05 5 6 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 22 DATA USE 1 BAROMETR 1021.1 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.3 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E62 005 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	24.83	36.196	24.32		1535.8							
12.3	085	00026	24.82	36.199	24.32		1536.2							
12.3	085	00047	24.81	36.199	24.33		1536.5							
12.3	085	00073	22.66	36.549	25.23		1532.1							
12.3	085	00094	21.63	36.551	25.52		1529.8							
12.3	085	00141	19.42	36.510	26.08		1524.6							
12.3	085	T00248	17.92	36.436	26.41		1522.0							
12.3	085	00282	17.74	36.430	26.45		1521.1							
12.3	085	T00375	17.04	36.320	26.53		1521.4							
12.3	085	00468	16.23	36.190	26.63		1520.3							
12.3	085	00561	14.79	35.961	26.78		1517.1							
12.3	085	00751	11.59	35.495	27.07		1509.0							
12.3	085	T00940	07.02	35.047	27.47		1494.7							
12.3	085	T01412	04.49	35.014	27.77		1492.3							

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REFID 31 1885 YEAR 1971 BOTOP 04488 AIR TEMP 23.3 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 09 SHIP CC WET BULB 18.5 DIR 06 4 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 58.2N DAY 23 DATA USE 1 BAROMETR 1024.3 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 03.3W HOUR 12.2 AREA 05 CLOUD T/A 6/4 CL/TR /30 WEATHER X1 ORIG E62 006 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	24.58	36.174	24.38		1535.1							
12.2	085	00028	24.57	36.176	24.38		1535.6							
12.2	085	00052	24.56	36.189	24.35		1536.0							
12.2	085	00080	21.90	36.514	25.41		1530.2							
12.2	085	00103	20.17	36.486	25.87		1526.0							
12.2	085	00155	18.90	36.479	26.15		1523.4							
12.2	085	T00271	17.77	36.412	26.43		1522.0							
12.2	085	00308	17.65	36.410	26.46		1522.2							
12.2	085	T00409	17.00	36.319	26.54		1521.9							
12.2	085	00509	15.44	36.035	26.65		1520.4							
12.2	085	00609	13.77	35.797	26.87		1514.4							
12.2	085	T00812	10.22	35.323	27.18		1504.9							
12.2	085	T01012	05.95	35.007	27.55		1491.6							
12.2	085	T01508	04.28	34.980	27.76		1493.0							
14.3	085	02978	03.00	34.950	27.87		1512.7							
14.3	085	T03482	02.56	34.931	27.85		1519.6							
14.3	085	T03983	02.30	34.906	27.89		1527.2							

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REFID 31 1885 YEAR 1971 BOTOP 03294 AIR TEMP 22.9 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 09 SHIP CC WET BULB 17.6 DIR 06 3 3 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 24 DATA USE 1 BAROMETR 1024.3 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.1 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E62 007 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	24.73	36.192	24.34		1535.5							
12.1	085	00028	24.72	36.192	24.35		1536.0							
12.1	085	00050	24.72	36.188	24.34		1536.3							
12.1	085	00078	22.70	36.476	25.16		1532.2							
12.1	085	00101	21.21	36.525	25.61		1528.8							
12.1	085	00151	19.12	36.472	26.13		1523.9							
12.1	085	T00265	18.01	36.430	26.38		1522.6							
12.1	085	00301	17.83	36.426	26.42		1522.6							
12.1	085	T00400	17.26	36.350	26.50		1522.5							
12.1	085	00498	15.90	36.094	26.63		1519.7							
12.1	085	00594	14.10	35.804	26.80		1515.2							
12.1	085	00787	10.58	35.329	27.13		1505.8							
12.1	085	T00976	06.36	34.998	27.52		1492.6							
12.1	085	T01446	04.47	35.007	27.76		1492.8							

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TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BGDTP 04076 AIR TEMP 23.5 DIP HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 09 SHIP CC WET BULB 18.8 06 3 4 WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 25 DATA USE 1 BAROMETR 1022.7 SEA WIND-FDR 00 DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 15.1 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E62 008 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
15.1	085	00000	24.73	36.145	24.31		1535.5							
15.1	085	00024	24.40	36.121	24.39		1535.1							
15.1	085	00049	24.42	36.161	24.41		1535.6							
15.1	085	00073	24.26	36.149	24.45		1535.6							
15.1	085	00097	21.14	36.466	25.55		1528.5							
15.1	085	00146	19.23	36.467	26.10		1524.1							
15.1	085	T00200	18.27	36.432	26.32		1522.3							
15.1	085	00297	17.56	36.386	26.46		1521.7							
15.1	085	T00395	17.04	36.316	26.53		1521.7							
15.1	085	00497	15.65	36.070	26.67		1518.9							
15.1	085	00595	13.60	35.724	26.85		1513.5							
15.1	085	00790	09.99	35.275	27.15		1503.7							
15.1	085	T00989	06.34	35.014	27.54		1492.8							
15.1	085	T01488	04.41	35.009	27.77		1493.3							

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REFID 31 1885 YEAR 1971 BGDTP 03422 AIR TEMP 23.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 09 SHIP CC WET BULB 20.0 07 4 4 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 26 DATA USE 1 BAROMETR 1021.7 SEA WIND-FDR 00 DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E62 009 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.2	085	00000	24.45	36.181	24.42		1534.8							
12.2	085	00030	24.46	36.183	24.42		1535.4							
12.2	085	00055	24.46	36.185	24.42		1535.8							
12.2	085	00085	23.18	36.484	25.03		1533.5							
12.2	085	00110	21.98	36.525	25.40		1531.0							
12.2	085	00165	19.10	36.482	26.15		1524.1							
12.2	085	00290	17.56	36.389	26.46		1521.6							
12.2	085	00360	17.32	36.359	26.50		1521.5							
12.2	085	T00440	16.49	36.227	26.59		1520.7							
12.2	085	00550	15.01	35.956	26.72		1517.6							
12.2	085	00661	12.98	35.670	26.93		1512.5							
12.2	085	00867	08.47	35.160	27.35		1494.5							
12.2	085	T01107	05.31	34.997	27.66		1490.0							
12.2	085	T01660	04.13	34.998	27.75		1495.0							

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REFID 31 1885 YEAR 1971 BGDTP 04303 AIR TEMP 23.6 DIP HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 09 SHIP CC WET BULB 21.3 28 3 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1021.5 SEA WIND-FDR 00 DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E62 G10 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.2	085	00000	24.74	36.230	24.37		1535.6							
12.2	085	00030	24.74	36.221	24.36		1536.1							
12.2	085	00055	24.67	36.207	24.37		1536.3							
12.2	085	00084	22.68	36.507	25.15		1532.3							
12.2	085	00109	21.84	36.556	25.46		1530.6							
12.2	085	00164	20.02	36.516	25.93		1526.7							
12.2	085	T00288	17.77	36.424	26.44		1522.3							
12.2	085	00327	17.56	36.397	26.47		1522.3							
12.2	085	T00437	16.79	36.277	26.56		1521.0							
12.2	085	00546	15.13	35.989	26.72		1516.0							
12.2	085	00655	13.91	35.830	26.86		1515.7							
12.2	085	00877	08.79	35.171	27.31		1500.6							
12.2	085	T01095	05.52	35.017	27.65		1491.2							
12.2	085	T01640	04.21	34.973	27.76		1494.9							

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REFID 31 1885 YEAR 1971 BGDTP 03605 AIR TEMP 23.7 DIP HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 09 SHIP CC WET BULB 20.4 28 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 59.5 N DAY 28 DATA USE 1 BAROMETR 1020.6 SEA WIND-FDR 00 DURATION 2 SQUARE 48  
 LONG 048 01.5 W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E62 G11 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TGT P	NO2	NO3	SIO3	PH
12.1	085	00000	24.87	36.264	24.36		1535.9							
12.1	085	00028	24.88	36.252	24.34		1536.4							
12.1	085	00051	24.86	36.261	24.36		1536.7							
12.1	085	00079		36.291										
12.1	085	00102	22.00	36.572	25.43		1530.9							
12.1	085	00152	19.60	36.536	26.06		1525.3							
12.1	085	T00268	17.88	36.455	26.43		1522.3							
12.1	085	00304	17.66	36.444	26.48		1522.2							
12.1	085	T00406	17.17	36.376	26.55		1522.4							
12.1	085	00509	16.27	36.217	26.64		1521.2							
12.1	085	00612	14.52	35.946	26.82		1517.1							
12.1	085	00824	10.34	35.350	27.18		1505.6							
12.1	085	T01034	06.08	35.036	27.59		1492.5							
12.1	085	T01575	04.31	35.000	27.77		1494.3							

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TABLE XLI.—Continued

REFID 31 1E85 YEAR 1971 BOTOP 04071 AIR TEMP 20.6 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 09 SHIP CC WET BULB 14.9 03 4 3 WIND-SPO 07 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 30 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A 8/1 CL/TR /30 WEATHER X1 ORIG E62 012 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	08S	00000	24.34	36.167	24.44		1534.6							
12.2	08S	00025	24.35	36.152	24.43		1535.0							
12.2	08S	00049	24.23	36.139	24.45		1535.1							
12.2	08S	00073	23.57	36.452	24.89		1534.2							
12.2	08S	00098	21.62	36.541	25.51		1529.8							
12.2	08S	00146	19.39	36.533	26.11		1524.7							
12.2	08S	00200	18.30	36.455	26.33		1522.4							
12.2	08S	00297	17.99	36.422	26.38		1523.0							
12.2	08S	T00394	17.20	36.356	26.52		1522.2							
12.2	08S	00496	16.21	36.182	26.62		1520.7							
12.2	08S	00593	14.65	35.935	26.79		1517.2							
12.2	08S	T00788	10.62	35.316	27.11		1506.0							
12.2	08S	T00988	06.59	35.031	27.52		1493.8							
12.2	08S	T01485	04.39	35.002	27.77		1493.1							

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REFID 31 1885 YEAR 1971 BOTOP 04508 AIR TEMP 23.6 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 10 SHIP CC WET BULB 20.4 03 5 3 WIND-SPO 16 TRACE DIR 5 SQUARE 2  
 LAT 34 01.3N DAY 01 DATA USE 1 BAROMETR 1017.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 26.5W HOUR 12.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E62 013 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.1	08S	00000	23.67	36.140	24.62		1532.9							
12.1	08S	00027	23.64	36.151	24.64		1533.3							
12.1	08S	00050	23.58	36.150	24.66		1533.5							
12.1	08S	00077	21.22	36.182	25.35		1528.0							
12.1	08S	00100	18.99	36.180	25.94		1522.4							
12.1	08S	00149	17.46	36.242	26.37		1518.8							
12.1	08S	00262	16.53	36.237	26.59		1517.9							
12.1	08S	00299	15.96	36.130	26.64		1516.7							
12.1	08S	T00399	14.91	35.976	26.76		1514.8							
12.1	08S	00500	13.90	35.826	26.86		1513.1							
12.1	08S	00600	12.55	35.585	26.95		1509.9							
12.1	08S	T00808	09.29	35.269	27.30		1501.4							
12.1	08S	T01012	05.48	34.983	27.63		1489.7							
12.1	08S	T01529	04.26											

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REFID 31 1685 YEAR 1971 BOTOP 04618 AIR TEMP 20.6 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 10 SHIP CC WET BULB 15.5 33 9 4 WIND-SPO 26 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 02 DATA USE 1 BAROMETR 1013.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55.5W HOUR 12.6 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E62 014 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	08S	00000	23.65	36.174	24.65		1532.9							
12.6	08S	00029	23.64	36.177	24.66		1533.4							
12.6	08S	00053	23.63	36.174	24.66		1533.7							
12.6	08S	00080	19.91	36.447	25.91		1524.9							
12.6	08S	00104	18.99	36.446	26.15		1522.7							
12.6	08S	00154	18.09	36.415	26.35		1521.0							
12.6	08S	00204	17.77	36.416	26.43		1520.9							
12.6	08S	00306	17.35	36.376	26.50		1521.3							
12.6	08S	T00459	16.74	36.301	26.59		1521.9							
12.6	08S	00509	16.28	36.217	26.64		1521.2							
12.6	08S	00607	14.42	35.865	26.78		1516.6							
12.6	08S	T00801	10.18	35.337	27.20		1504.6							
12.6	08S	00995	06.55	35.034	27.53		1493.7							
12.6	08S	T01492	04.29	34.986	27.77		1492.8							

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REFID 31 1885 YEAR 1971 BOTOP 04525 AIR TEMP 22.6 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 10 SHIP CC WET BULB 18.1 33 4 4 WIND-SPO 18 TRACE DIR 5 SQUARE 2  
 LAT 34 58.5N DAY 03 DATA USE 1 BAROMETR 1013.6 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E62 015 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	08S	00000	23.57	36.287	24.76		1532.8							
12.2	08S	00030	23.53	36.290	24.78		1533.2							
12.2	08S	00057	23.46	36.292	24.80		1533.5							
12.2	08S	00087		36.438										
12.2	08S	00113	18.62	36.447	26.24		1521.9							
12.2	08S	00169	18.03	36.429	26.38		1521.1							
12.2	08S	00226	17.70	36.416	26.45		1521.0							
12.2	08S	00339	17.16	36.351	26.53		1521.2							
12.2	08S	T00516	16.16	36.174	26.63		1520.9							
12.2	08S	00574	15.20	36.012	26.72		1518.7							
12.2	08S	00690	12.95	35.667	26.94		1512.9							
12.2	08S	T00925	07.04	35.072	27.49		1494.5							
12.2	08S	T01166	05.11	35.048	27.72		1490.8							
12.2	08S	T01796	04.00	34.972	27.75		1496.7							

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TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BOTOP 04404 AIR TEMP 23.4 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1406  
 CONSEC 0016 MONTH 10 SHIP CC WET BULB 18.5 25 3 4 WIND-SPD 25 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 04 DATA USE 1 BARMETR 1010.0 SEA WIND-FOR 25 DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 12.3 AREA 05 CLOUD T/A 3/7 CL/TR /06 WEATHER X1 ORIG E62 016 1 SQUARE 48

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.3	08S	00000	23.45	36.253	24.77		1532.5							
12.3	08S	00028	23.46	36.249	24.77		1533.0							
12.3	08S	00051	23.42	36.255	24.78		1533.3							
12.3	08S	00078	22.34	36.455	25.25		1531.3							
12.3	08S	00101	19.06	36.413	26.10		1522.9							
12.3	08S	00151	18.01	36.406	26.36		1520.7							
12.3	08S	T00265	17.38	36.384	26.50		1520.7							
12.3	08S	00301	17.20	36.362	26.53		1520.7							
12.3	08S	T00400	16.95	36.336	26.57		1521.6							
12.3	08S	00500	16.15	36.176	26.63		1520.6							
12.3	08S	00600	14.70	35.936	26.78		1517.4							
12.3	08S	00805	10.15	35.280	27.16		1504.5							
12.3	08S	T01006	06.62	35.030	27.52		1494.2							
12.3	08S	T01522	04.29	34.983	27.76		1493.3							

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REFID 31 1885 YEAR 1971 BOTOP 04276 AIR TEMP 20.8 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 10 SHIP CC WET BULB 15.1 30 3 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 05 DATA USE 1 BARMETR 1022.0 SEA WIND-FOR 10 DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E62 017 1 SQUARE 48

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	08S	00000	23.35	36.246	24.80		1532.3							
12.1	08S	00026	23.37	36.248	24.75		1532.7							
12.1	08S	00047	23.34	36.245	24.80		1533.0							
12.1	08S	00073	20.22	36.491	25.86		1525.7							
12.1	08S	00095	19.26	36.464	26.05		1523.4							
12.1	08S	00143	16.15	36.416	26.34		1521.0							
12.1	08S	T00248	17.54	36.391	26.47		1520.9							
12.1	08S	00282	17.39	36.395	26.51		1521.0							
12.1	08S	T00372	17.04	36.337	26.55		1521.4							
12.1	08S	00463	16.56	36.260	26.60		1521.4							
12.1	08S	00554	15.17	36.017	26.74		1518.3							
12.1	08S	00739	11.76	35.510	27.05		1509.4							
12.1	08S	T00918	07.82	35.108	27.41		1457.5							
12.1	08S	T01374	04.60	35.025	27.76		1492.2							

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REFID 31 1885 YEAR 1971 BOTOP 04572 AIR TEMP 20.0 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 10 SHIP CC WET BULB 17.3 35 4 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 11 N DAY 06 DATA USE 1 BARMETR 1025.4 SEA WIND-FOR 05 DURATION 2 SQUARE 46  
 LONG 047 30 W HOUR 12.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E62 018 1 SQUARE 47

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.1	08S	00000	23.09	36.291	24.91		1531.7							
12.1	08S	00025	23.11	36.288	24.90		1532.1							
12.1	08S	00050	22.99	36.288	24.93		1532.2							
12.1	08S	00074	19.71	36.434	25.95		1524.2							
12.1	08S	00099	18.92	36.453	26.17		1522.5							
12.1	08S	00149	18.12	36.425	26.35		1521.0							
12.1	08S	T00203	17.72	36.414	26.44		1520.7							
12.1	08S	00302	17.38	36.388	26.50		1521.3							
12.1	08S	T00400	16.88	36.313	26.57		1521.3							
12.1	08S	00502	14.75	35.887	26.73		1515.9							
12.1	08S	00599	13.38	35.719	26.85		1512.9							
12.1	08S	T00793	09.04	35.207	27.29		1500.2							
12.1	08S	T00991	06.57	35.126	27.60		1493.9							
12.1	08S	T01487	04.40	35.011	27.77		1493.2							

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REFID 31 1885 YEAR 1971 BOTOP 04370 AIR TEMP 20.8 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 10 SHIP CC WET BULB 16.7 02 3 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 07 DATA USE 1 BARMETR 1026.8 SEA WIND-FOR 05 DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 12.0 AREA 05 CLOUD T/A 6/5 CL/TR /30 WEATHER X1 ORIG E62 019 1 SQUARE 58

CASSTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.0	08S	00000	23.35	36.271	24.81		1532.3							
12.0	08S	00025	23.33	36.270	24.82		1532.6							
12.0	08S	00049	23.26	36.268	24.84		1532.9							
12.0	08S	00074	19.85	36.436	25.91		1524.6							
12.0	08S	00098	19.06	36.430	26.12		1522.8							
12.0	08S	00148	18.06	36.434	26.37		1520.8							
12.0	08S	T00202	17.63	36.404	26.46		1520.4							
12.0	08S	00300	17.17	36.357	26.53		1520.6							
12.0	08S	T00398	16.85	36.314	26.58		1521.2							
12.0	08S	00501	15.37	36.037	26.71		1518.0							
12.0	08S	00599	13.80	35.793	26.86		1514.3							
12.0	08S	T00794	09.37	35.220	27.25		1501.4							
12.0	08S	T00994	05.91	35.009	27.55		1491.1							
12.0	08S	T01491	04.31	34.982	27.76		1492.9							

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TABLE XLI.—Continued

REFID 31 1885 YEAR 1971 BOTOP 04555 AIR TEMP 22.2 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1205  
 CONSEC 0020 MONTH 10 SHIP CC WET BULB 19.8 05 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 08 DATA USE 1 BAROMETR 1026.5 SEA WIND-FUR 0 WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.2 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER X1 ORIG E62 020 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PG4	TOT P	NU2	NU3	SIJ3	PH
12.2	OBS	00000	23.30	36.242	24.81		1532.1							
12.2	OBS	00024	23.28	36.236	24.81		1532.5							
12.2	OBS	00049	23.11	36.266	24.88		1532.5							
12.2	OBS	00073	20.19	36.396	25.79		1525.5							
12.2	OBS	00098	18.90	36.427	26.15		1522.4							
12.2	OBS	00146	18.04	36.406	26.36		1520.7							
12.2	OBS	T00200	17.69	36.403	26.44		1520.6							
12.2	OBS	00297	17.29	36.356	26.50		1520.9							
12.2	OBS	T00395	16.86	36.309	26.57		1521.2							
12.2	OBS	00497	15.16	35.994	26.72		1517.3							
12.2	OBS	00595	13.44	35.732	26.85		1513.0							
12.2	OBS	T00790	09.16	35.205	27.27		1500.6							
12.2	OBS	T00991	06.06	35.004	27.57		1491.7							
12.2	OBS	T01490	04.27	34.970	27.76		1492.7							

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REFID 31 1885 YEAR 1971 BOTOP 04828 AIR TEMP 22.6 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0021 MONTH 10 SHIP CC WET BULB 19.7 05 2 4 WIND-SPD 04 TRACE DIR 5 SQUARE 3  
 LAT 35 20 N DAY 09 DATA USE 1 BAROMETR 1026.5 SEA WIND-FUR 0 WIND-FUR DURATION 2 SQUARE 40  
 LONG 050 02 W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E62 021 1 SQUARE 50

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PG4	TOT P	NU2	NU3	SIJ3	PH
12.2	OBS	00000	23.82	36.354	24.74		1533.5							
12.2	OBS	00025	23.83	36.359	24.74		1534.0							
12.2	OBS	00050	22.46	36.471	25.22		1531.1							
12.2	OBS	00075	20.64	36.630	25.85		1527.0							
12.2	OBS	00100	19.29	36.522	26.13		1523.6							
12.2	OBS	00150	17.95	36.405	26.38		1520.5							
12.2	OBS	T00205	17.46	36.382	26.48		1519.9							
12.2	OBS	00305	17.04	36.342	26.55		1520.3							
12.2	OBS	T00405	16.66	36.284	26.60		1520.7							
12.2	OBS	00510	15.52	36.051	26.68		1516.7							
12.2	OBS	00610	13.89	35.824	26.86		1514.9							
12.2	OBS	T00810	10.42	35.366	27.18		1505.7							
12.2	OBS	01015	07.01	35.126	27.54		1496.0							
12.2	OBS	T01525	04.31	34.986	27.76		1493.4							

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TABLE XLII.—Observed and interpolated oceanographic data for stations taken by USCGC DUANE at Ocean Station ECHO, 10 October 1971 - 5 November 1971, prepared from NODC listing No. 31 - 1931.

REFID 31 1931	YEAR 1971	BTOP 04840	AIR TEMP 23.0	DIR HGT PER	WIND-OIR 00	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 10	SHIP 00	WET BULB 19.9	07 2 3	WIND-SPD 04	TRACE OIR	5 SQUARE 2
LAT 34 54 N	DAY 12	DATA USE 1	BAROMETR 1026.5	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.4	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	ORIG E63 001	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIU3	PH
12.4	085	00000	23.33	36.292	24.84		1532.3							
12.4	085	00025	23.20	36.223	24.82		1532.3							
12.4	085	00050	22.30	36.319	25.15		1530.5							
12.4	085	00074	19.76	36.417	25.92		1524.4							
12.4	085	00099	18.42	36.428	26.28		1521.0							
12.4	085	00148		36.429										
12.4	085	T00202	17.30	36.393	26.53		1519.4							
12.4	085	00304	16.38	36.233	26.62		1518.1							
12.4	085	00400	14.68	35.986	26.78		1514.6							
12.4	085	00504	13.42	35.756	26.91		1511.5							
12.4	085	T00603	11.37	35.446	27.07		1505.7							
12.4	085	00800	08.12	35.210	27.44		1456.8							
12.4	085	01002	05.90	35.116	27.68		1491.4							
12.4	085	T01505	04.15	34.995	27.75		1452.5							

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REFID 31 1931	YEAR 1971	BTOP 03475	AIR TEMP 22.8	DIR HGT PER	WIND-OIR 14	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 10	SHIP 00	WET BULB 20.2	25 4 5	WIND-SPD 04	TRACE OIR	5 SQUARE 4
LAT 35 00 N	DAY 13	DATA USE 1	BAROMETR 1026.8	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 48 W	HOUR 13.5	AREA 05	CLOUD T/A 6/2	CL/TR	WEATHER X1	ORIG E63 002	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIU3	PH
13.5	085	00000	22.44	36.280	25.08		1530.0							
13.5	085	00025	22.23	36.288	25.15		1524.9							
13.5	085	00050	22.19	36.303	25.17		1530.2							
13.5	085	00075	19.66	36.312	25.87		1524.0							
13.5	085	00100	17.88	36.298	26.31		1519.3							
13.5	085	00150	17.06	36.341	26.55		1517.8							
13.5	085	T00205	16.50	36.287	26.64		1517.0							
13.5	085	00305	15.16	36.069	26.78		1514.2							
13.5	085	T00405	13.86	35.838	26.88		1511.4							
13.5	085	00510	12.56	35.645	27.00		1508.6							
13.5	085	T00610	10.79	35.396	27.14		1503.7							
13.5	085	00810	07.78	35.145	27.44		1455.6							
13.5	085	01015	06.10	35.166	27.65		1492.5							
13.5	085	01525	04.10	34.989	27.79		1452.6							

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REFID 31 1931	YEAR 1971	BTOP 04938	AIR TEMP 22.6	DIR HGT PER	WIND-OIR 00	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 10	SHIP 00	WET BULB 20.5	30 3 3	WIND-SPD 00	TRACE OIR	5 SQUARE 2
LAT 34 36 N	DAY 14	DATA USE 1	BAROMETR 1026.0	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 12.9	AREA 05	CLOUD T/A 0/3	CL/TR /34	WEATHER X1	ORIG E63 003	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SIU3	PH
12.9	085	00000	23.14	36.305	24.90		1531.8							
12.9	085	00023	22.46	36.242	25.05		1530.4							
12.9	085	00045	22.31	36.310	25.14		1530.5							
12.9	085	00068	20.36	36.387	25.74		1525.8							
12.9	085	00090	19.03	36.393	26.10		1522.6							
12.9	085	00135	17.62	36.413	26.46		1519.3							
12.9	085	T00185	17.30	36.400	26.53		1519.2							
12.9	085	00274	15.96	36.140	26.65		1516.3							
12.9	085	T00364	15.05	36.001	26.75		1514.7							
12.9	085	00458	14.12	35.870	26.85		1513.2							
12.9	085	T00548	13.10	35.727	26.95		1511.1							
12.9	085	00728		35.203										
12.9	085	00914	06.36	35.040	27.56		1491.6							
12.9	085	T01380	04.28	34.990	27.77		1450.9							

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TABLE XLII.—Continued

REFID	31	1931	YEAR	1971	BDTOP	04023	AIR TEMP	22.7	OIR HGT	PER	WIND-OIR	02	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0004	MONTH	10	SHIP DU		WET BULB	20.4		34 3 3	WIND-SPO	06	TRACE DIR		5 SQUARE	4
LAT	35	03	N	DAY	15	DATA USE	1	BAROMETR	1025.6	SEA	WIND-FOR		DURATION		2 SQUARE	48
LONG	048	08	W	HOOR	12.8	AREA	05	CLOUD T/A	8/5	CL/TR	WEATHER	X1	ORIG E63	004	1 SQUARE	58

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	08S	00000	22.63	36.335	25.07		1530.6							
12.8	08S	00027	22.39	36.345	25.15		1530.4							
12.8	08S	00049	22.26	36.348	25.19		1530.5							
12.8	08S	00075	19.28	36.358	26.00		1523.0							
12.8	08S	00097	18.18	36.396	26.31		1520.3							
12.8	08S	00145	17.42	36.405	26.51		1518.9							
12.8	08S	T00194	17.28	36.401	26.54		1519.2							
12.8	08S	00285	16.68	36.312	26.61		1518.8							
12.8	08S	T00384	15.30	36.050	26.73		1515.9							
12.8	08S	00478	14.06	35.859	26.86		1513.3							
12.8	08S	T00572	12.91	35.702	26.97		1510.8							
12.8	08S	00762		35.280										
12.8	08S	T00947	05.91	35.015	27.60		1490.4							
12.8	08S	T01400	04.18	35.003	27.75		1490.8							

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REFID	31	1931	YEAR	1971	BDTOP	04297	AIR TEMP	22.5	DIR HGT	PER	WIND-OIR	05	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0005	MONTH	10	SHIP DU		WET BULB	20.5		04 2 4	WIND-SPO	05	TRACE DIR		5 SQUARE	4
LAT	35	12	N	DAY	16	DATA USE	1	BAROMETR	1026.1	SEA	WIND-FOR		DURATION		2 SQUARE	46
LONG	047	58	W	HOOR	12.8	AREA	05	CLOUD T/A	8/3	CL/TR	WEATHER	X1	ORIG E63	005	1 SQUARE	57

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	08S	00000	22.32	36.183	25.04		1529.6							
12.8	08S	00024	22.20	36.175	25.07		1529.7							
12.8	08S	00048	21.50	36.282	25.35		1526.4							
12.8	08S	00072	18.54	36.388	26.22		1520.9							
12.8	08S	00095	17.85	36.427	26.42		1519.3							
12.8	08S	00143	17.46	36.424	26.51		1519.0							
12.8	08S	T00195	16.99	36.337	26.56		1518.3							
12.8	08S	00291	16.32	36.245	26.65		1517.8							
12.8	08S	T00386	14.87	35.984	26.78		1514.5							
12.8	08S	00487	13.73	35.799	26.88		1512.3							
12.8	08S	T00583	12.43	35.611	27.00		1509.3							
12.8	08S	00775		35.242										
12.8	08S	T00975	05.97	35.079	27.64		1491.1							
12.8	08S	T01479	04.21	34.996	27.78		1492.3							

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REFID	31	1931	YEAR	1971	BDTOP	04114	AIR TEMP	22.7	DIR HGT	PER	WIND-OIR	11	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0006	MONTH	10	SHIP DU		WET BULB	21.2		08 2 4	WIND-SPO	07	TRACE DIR		5 SQUARE	2
LAT	34	53	N	DAY	17	DATA USE	1	BAROMETR	1025.4	SEA	WIND-FOR		DURATION		2 SQUARE	46
LONG	047	53	W	HOOR	12.7	AREA	05	CLOUD T/A	8/6	CL/TR	WEATHER	X5	ORIG E63	006	1 SQUARE	47

CASTNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.7	08S	00000	22.50	36.220	25.02		1530.1							
12.7	08S	00024	22.27	36.194	25.07		1524.9							
12.7	08S	00049	22.06	36.242	25.16		1524.8							
12.7	08S	00074	19.38	36.386	26.00		1523.3							
12.7	08S	00099	18.17	36.416	26.33		1520.3							
12.7	08S	00147	17.55	36.424	26.45		1519.3							
12.7	08S	T00201	17.21	36.385	26.54		1519.1							
12.7	08S	00300	16.50	36.271	26.63		1518.5							
12.7	08S	T00399	15.20	36.035	26.74		1515.8							
12.7	08S	00503	13.76	35.815	26.88		1512.7							
12.7	08S	T00603	12.28	35.587	27.01		1509.1							
12.7	08S	00802		35.153										
12.7	08S	T01007	05.66	35.023	27.63		1490.4							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTOP 04938 AIR TEMP 23.0 DIR HGT PER WIND-OIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 10 SHIP OU WET BULB 20.4 DIR HGT PER WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 45 N DAY 16 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR WIND-FOR 2 SQUARE 48  
 LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 0/2 CL/TR /25 WEATHER X1 ORIG E63 007 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TGT P	NO2	NO3	S103	PH
12.5	08S	00000	22.47	36.350	25.13		1530.2							
12.5	08S	00025	22.46	36.345	25.13		1530.6							
12.5	08S	00050	22.25	36.366	25.20		1530.5							
12.5	08S	00075	18.72	36.418	26.15		1521.5							
12.5	08S	00101	18.06	36.432	26.37		1520.0							
12.5	08S	00151	17.41	36.417	26.52		1516.9							
12.5	08S	T00206	17.03	36.359	26.57		1518.7							
12.5	08S	00307	16.01	36.176	26.67		1517.0							
12.5	08S	T00408	14.69	35.533	26.76		1514.2							
12.5	08S	00514	13.46	35.777	26.92		1511.8							
12.5	08S	T00614	12.18	35.585	27.02		1508.9							
12.5	08S	00816		35.122										
12.5	08S	T01022	05.53	35.034	27.66		1490.1							
12.5	08S	T01536	04.17	34.986	27.78		1485.1							
15.3	08S	T01954	03.75	34.971	27.81		1485.3							
15.3	08S	T02458	03.33	34.962	27.85		1505.2							
15.3	08S	02959	02.93	34.941	27.87		1512.1							
15.3	08S	T03465	02.56	34.920	27.88		1519.3							
15.3	08S	03939		34.894										
15.3	08S	04647	02.24	34.886	27.88		1508.7							
15.3	08S	T04759	02.24	34.885	27.88		1541.4							

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REFID 31 1931 YEAR 1971 BOTOP 04471 AIR TEMP 22.3 DIR HGT PER WIND-OIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 10 SHIP OU WET BULB 20.6 DIR HGT PER WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1022.1 SEA WIND-FOR WIND-FOR 2 SQUARE 48  
 LONG 048 00 W HOUR 12.4 AREA 05 CLOUD T/A 2/4 CL/TR WEATHER X1 ORIG E63 008 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TGT P	NO2	NO3	S103	PH
12.4	08S	00000	22.08	36.057	25.02		1528.9							
12.4	08S	00025	22.04	36.063	25.03		1529.2							
12.4	08S	00050	21.74	36.187	25.21		1529.0							
12.4	08S	00075	18.66	36.368	26.17		1521.2							
12.4	08S	00100	17.90	36.425	26.41		1519.5							
12.4	08S	00150	17.11	36.366	26.55		1518.0							
12.4	08S	T00205	16.87	36.354	26.60		1518.2							
12.4	08S	00305	16.11	36.225	26.68		1517.3							
12.4	08S	00405	14.79	35.973	26.79		1514.6							
12.4	08S	00510	13.54	35.807	26.92		1512.0							
12.4	08S	T00610	11.20	35.451	27.11		1505.3							
12.4	08S	00810		35.239										
12.4	08S	T01015	05.72	35.087	27.80		1490.8							
12.4	08S	T01525	04.15	35.006	27.80		1492.8							

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REFID 31 1931 YEAR 1971 BOTOP 05029 AIR TEMP 16.9 DIR HGT PER WIND-OIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 10 SHIP OU WET BULB 13.9 DIR HGT PER WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 48 N DAY 21 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR WIND-FOR 2 SQUARE 48  
 LONG 048 02 W HOUR 18.2 AREA 05 CLOUD T/A 3/8 CL/TR /25 WEATHER X2 ORIG E63 009 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TGT P	NO2	NO3	S103	PH
18.2	08S	00000	21.73	36.146	25.18		1528.1							
18.2	08S	00028	21.73	36.144	25.18		1528.5							
18.2	08S	00052	20.49	36.266	25.61		1525.8							
18.2	08S	00080	18.47	36.428	26.26		1520.9							
18.2	08S	00104	17.82	36.429	26.43		1519.4							
18.2	08S	00149	17.18	36.412	26.57		1518.2							
18.2	08S	00209		36.380										
18.2	08S	00313	15.73	36.150	26.71		1516.2							
18.2	08S	T00414	14.27	35.914	26.85		1513.0							
18.2	08S	00516	13.19	35.748	26.95		1510.9							
18.2	08S	T00612	10.92	35.402	27.12		1504.2							
18.2	08S	00805	08.13	35.273	27.49		1497.0							
18.2	08S	T00999	05.97	35.143	27.65		1491.6							
18.2	08S	T01539	04.09	34.995	27.80		1492.8							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTOP 04755 AIR TEMP 19.5 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 10 SHIP DU WET BULB 16.5 35 6 5 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 42 N DAY 23 DATA USE 1 BAROMETR 1016.1 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.1 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 DRIG E63 010 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.1	085	00000	21.19	36.041	25.25		1526.5							
13.1	085	00026	21.20	36.044	25.25		1527.0							
13.1	085	00048	19.78	36.331	25.65		1523.9							
13.1	085	00074	18.24	36.404	26.30		1520.1							
13.1	085	00096	17.81	36.424	26.43		1519.2							
13.1	085	00137	17.41	36.427	26.53		1518.7							
13.1	085	T00193	16.98	36.354	26.57		1518.3							
13.1	085	00290	16.12	36.204	26.66		1517.1							
13.1	085	T00384	14.68	35.958	26.80		1513.8							
13.1	085	00482	13.72	35.824	26.90		1512.2							
13.1	085	T00577	12.17	35.601	27.04		1508.3							
13.1	085	00767	08.69	35.224	27.36		1498.4							
13.1	085	T00954	05.57 Q	35.022	27.650									

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REFID 31 1931 YEAR 1971 BOTOP 05229 AIR TEMP 18.8 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 10 SHIP DU WET BULB 15.8 36 7 4 WIND-SPD 18 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1018.5 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E63 011 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	21.85	36.245	25.22		1528.5							
12.3	085	00027	21.87	36.243	25.22		1529.0							
12.3	085	00050	21.48	36.232	25.32		1528.3							
12.3	085	00077	21.38	36.225	25.34		1528.5							

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REFID 31 1931 YEAR 1971 BOTOP 05229 AIR TEMP 20.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 10 SHIP DU WET BULB 16.7 34 5 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 45 N DAY 26 DATA USE 1 BAROMETR 1024.0 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 12.5 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 DRIG E63 012 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	085	00000	21.38	36.181	25.31		1527.2							
12.5	085	00022	21.40	36.187	25.31		1527.6							
12.5	085	00041	21.34	36.185	25.32		1527.8							
12.5	085	00063	18.79	36.304	26.05		1521.3							
12.5	085	00082	17.95	36.390	26.37		1519.4							
12.5	085	00124	17.34	36.371	26.50		1518.2							
12.5	085	T00166	17.03	36.344	26.56		1518.0							
12.5	085	00245	16.60	36.309	26.63		1517.9							
12.5	085	T00327	15.01	36.108	26.71		1516.0							
12.5	085	00405	14.23	35.870	26.83		1512.6							
12.5	085	T00482	13.37	35.756	26.92		1510.9							
12.5	085	00641	10.15	35.304	27.18		1501.8							
12.5	085	00805	07.95	35.205	27.46		1496.2							
12.5	085	T01239	04.55	35.009	27.76		1489.7							

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REFID 31 1931 YEAR 1971 BOTOP 03200 AIR TEMP 19.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 10 SHIP DU WET BULB 15.8 02 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 27 DATA USE 1 BAROMETR 1025.6 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 12.3 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 DRIG E63 013 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	21.80	36.280	25.26		1528.4							
12.3	085	00028	21.82	36.280	25.26		1528.9							
12.3	085	00050	21.77	36.276	25.27		1529.1							
12.3	085	00078	21.69	36.276	25.29		1529.4							
12.3	085	00100	18.04	36.337	26.30		1519.8							
12.3	085	00150	17.04	36.353	26.56		1517.8							
12.3	085	T00200	16.53	36.277	26.62		1517.0							
12.3	085	00296	15.13	36.030	26.75		1513.9							
12.3	085	00401	13.90	35.840	26.87		1511.5							
12.3	085	00502	12.80	35.690	26.99		1509.3							
12.3	085	T00602	11.01	35.429	27.13		1504.4							
12.3	085	00806	07.39	35.154	27.51		1494.1							

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TABLE XLII.—Continued

REFID 31 1931 YEAR 1971 BOTDP 04310 AIR TEMP 21.4 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 10 SHIP DU WET BULB 19.7 35 1 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 30 DATA USE 1 BAROMETR 1014.3 SEA 4 WIND-FDF DURATION 2 SQUARE 48  
 LONG 048 25 W HOUR 19.6 AREA 05 CLOUD T/A 8/5 CL/T/P WEATHER X1 GRIG E63 014 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SI03	PH
19.6	OBS	00000	21.12	35.751	25.05		1526.0							
19.6	OBS	00027	20.82	35.819	25.16		1525.7							
19.6	OBS	00048	21.04	36.086	25.33		1527.0							
19.6	OBS	00073	19.46	36.349	25.95		1523.4							
19.6	OBS	00095	18.52	36.344	26.15		1521.1							
19.6	OBS	00143	17.82	36.461	26.45		1520.1							
19.6	OBS	T00190	17.53	36.431	26.50		1520.0							
19.6	OBS	00181	16.84	36.330	26.55		1519.3							
19.6	OBS	00381	15.30	36.052	26.73		1515.9							
19.6	OBS	00476	13.90	35.817	26.86		1514.7							
19.6	OBS	T00570	12.63	35.651	26.95		1509.8							
19.6	OBS	00765	08.45	35.140	27.33		1457.4							
19.6	OBS	T00459	06.45	35.097	27.55		1492.8							
19.6	OBS	T01456	04.41	35.010	27.77		1492.7							

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REFID 31 1931 YEAR 1971 BOTDP 02195 AIR TEMP 21.3 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 10 SHIP DU WET BULB 18.5 01 3 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 11 N DAY 31 DATA USE 1 BAROMETR 1013.3 SEA 4 WIND-FCA DURATION 2 SQUARE 48  
 LONG 048 18 W HOUR 13.7 AREA 05 CLOUD T/A 8/5 CL/T/P WEATHER X1 GRIG E63 015 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SI03	PH
13.7	OBS	00000	20.96	35.986	25.27		1525.9							
13.7	OBS	00025	20.89	35.986	25.29		1526.1							
13.7	OBS	00045	20.82	36.036	25.35		1520.3							
13.7	OBS	00071	19.94	36.326	25.81		1524.7							
13.7	OBS	00091	18.44	36.340	26.21		1520.9							
13.7	OBS	00137	17.46	36.412	26.50		1518.9							
13.7	OBS	T00182	16.99	36.352	26.57		1518.1							
13.7	OBS	00269	16.02	36.192	26.66		1516.4							
13.7	OBS	00363	14.41	35.922	26.83		1512.6							
13.7	OBS	00454	13.36	35.763	26.93		1510.5							
13.7	OBS	T00545	11.53	35.504	27.05		1505.4							
13.7	OBS	00729	08.18	35.189	27.41		1495.8							
13.7	OBS	T00909	06.87	35.185	27.61		1453.8							
13.7	OBS	01360	04.14	34.997	27.75		1490.0							

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REFID 31 1931 YEAR 1971 BOTDP 05229 AIR TEMP 19.0 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 11 SHIP DU WET BULB 16.0 01 6 6 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 46 N DAY 03 DATA USE 1 BAROMETR 1019.0 SEA 4 WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 53 W HOUR 12.1 AREA 05 CLOUD T/A 8/4 CL/T/P WEATHER X1 GRIG E63 016 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PG4	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	21.08	36.311	25.49		1526.6							
12.1	OBS	00029	21.09	36.306	25.48		1527.1							
12.1	OBS	00053	21.06	36.308	25.49		1527.4							
12.1	OBS	00082	18.46	36.287	26.16		1520.7							
12.1	OBS	00106	17.45	36.322	26.44		1518.2							
12.1	OBS	00159	16.66	36.318	26.62		1516.7							
12.1	OBS	T00212	15.84	36.151	26.65		1514.9							
12.1	OBS	00313	14.35	35.912	26.83		1511.6							
12.1	OBS	T00424	13.04	35.714	26.96		1508.8							
12.1	OBS	00530	11.38	35.472	27.09		1504.6							
12.1	OBS	T00635	09.28	35.246	27.28		1498.5							
12.1	OBS	00852	07.00	35.240	27.63		1493.4							
12.1	OBS	T01065	04.97	35.044	27.73		1488.6							

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TABLE XLIII.--Observed and interpolated oceanographic data for stations taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 5 November 1971 - 25 November 1971, prepared from NODC listing No. 31 - 1932.

REFID 31 1932 YEAR 1971 BDTOP 04471 AIR TEMP 20.7 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SW 1206  
 CONSEC 0001 MONTH 11 SHIP CC WET BULB 18.6 03 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 57.8N DAY 05 DATA USE 1 BAROMETR 1017.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LDNG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X9 ORIG E64 001 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.3	DBS	00000	20.71	36.229	25.53		1525.5							
12.3	DBS	00027	20.70	36.224	25.53		1525.9							
12.3	DBS	00048	20.69	36.224	25.53		1526.2							
12.3	DBS	00074	18.89	36.319	26.07		1521.8							
12.3	DBS	00095	18.36	36.329	26.22		1520.7							
12.3	DBS	00143	17.13	36.338	26.53		1517.9							
12.3	DBS	T00250	15.63	36.122	26.71		1514.8							
12.3	DBS	00285	15.27	36.076	26.76		1514.2							
12.3	DBS	T00380	13.85	35.830	26.88		1510.9							
12.3	DBS	00475	12.57	35.642	26.99		1508.0							
12.3	DBS	00570	10.53	35.366	27.16		1502.1							
12.3	DBS	00767	07.44	35.195	27.53		1493.6							
12.3	DBS	T00962	06.50	35.220	27.68		1493.2							
12.3	DBS	T01463	04.20	35.000	27.79		1492.0							

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REFID 31 1932 YEAR 1971 BDTOP 04253 AIR TEMP 21.5 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SW 1206  
 CONSEC 0002 MONTH 11 SHIP CC WET BULB 19.6 32 5 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 06 DATA USE 1 BAROMETR 1014.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LDNG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E64 002 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.3	DBS	00000	20.60	36.188	25.52		1525.1							
12.3	DBS	00030	20.59	36.188	25.53		1525.6							
12.3	DBS	00055	20.62	36.214	25.54		1526.1							
12.3	DBS	00085	17.92	36.309	26.31		1519.2							
12.3	DBS	00110	17.16	36.338	26.52		1517.4							
12.3	DBS	00165	16.50	36.280	26.63		1516.3							
12.3	DBS	T00220	15.67	36.134	26.71		1514.5							
12.3	DBS	00331	14.43	35.958	26.85		1512.2							
12.3	DBS	00512	11.92	35.552	27.05		1506.3							
12.3	DBS	00559	11.04	35.433	27.12		1503.9							
12.3	DBS	00670	08.76	35.180	27.32		1497.0							
12.3	DBS	00892	06.63	35.207	27.65		1492.6							
12.3	DBS	T01114	05.41	35.138	27.76		1491.3							
12.3	DBS	T01678	03.98	34.992	27.80		1494.7							

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REFID 31 1932 YEAR 1971 BDTOP 04303 AIR TEMP 18.2 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SW 1206  
 CONSEC 0003 MONTH 11 SHIP CC WET BULB 13.4 36 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 00.4N DAY 08 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LDNG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E64 003 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.2	DBS	00000	20.78	36.430	25.66		1525.9							
12.2	DBS	00028	20.79	36.425	25.65		1526.4							
12.2	DBS	00050	20.78	36.425	25.66		1526.7							
12.2	DBS	00078	20.79	36.427	25.66		1527.2							
12.2	DBS	00101	17.65	36.358	26.42		1518.8							
12.2	DBS	00151	16.74	36.304	26.59		1516.8							
12.2	DBS	T00267	15.09	36.023	26.76		1513.3							
12.2	DBS	00304	14.42	35.929	26.83		1511.7							
12.2	DBS	T00405	13.61	35.820	26.92		1510.6							
12.2	DBS	00507	11.95	35.543	27.04		1506.3							
12.2	DBS	T00609	09.81	35.272	27.22		1500.0							
12.2	DBS	00819	07.28	35.186	27.55		1493.9							
12.2	DBS	T01025	05.91	35.171	27.72		1491.9							
12.2	DBS	T01547	04.04	34.976	27.78		1492.7							

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TABLE XLIII.—Continued

REFID 31 1932 YEAR 1971 BOTOP 04127 AIR TEMP 19.7 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 11 SHIP CC WET BULB 16.0 DIR 3 2 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 03.5N DAY 09 DATA USE 1 BAROMETR 1012.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E64 004 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	20.58	36.376	25.67		1525.3							
12.2	085	00026	20.59	36.376	25.67		1525.8							
12.2	085	00048	20.57	36.379	25.68		1526.1							
12.2	085	00073	20.56	36.380	25.68		1526.5							
12.2	085	00095	17.70	36.355	26.40		1518.8							
12.2	085	00142	16.90	36.342	26.58		1517.2							
12.2	085	T00250	15.12	36.022	26.75		1513.1							
12.2	085	00285	14.62	35.946	26.80		1512.0							
12.2	085	T00382	13.63	35.810	26.91		1510.2							
12.2	085	00481	12.54	35.644	27.00		1508.0							
12.2	085	00581	10.38	35.388	27.21		1501.8							
12.2	085	00788	07.40	35.177	27.52		1493.8							
12.2	085	T00993	06.10											
12.2	085	T01518	04.09	35.006	27.60		1492.4							

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REFID 31 1932 YEAR 1971 BOTOP 04424 AIR TEMP 19.5 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 11 SHIP CC WET BULB 15.8 DIR 4 4 WIND-SPO 12 TRACE DIR 5 SQUARE 2  
 LAT 34 58.9N DAY 10 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00.4W HOUR 12.3 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E64 005 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	20.41	36.335	25.65		1524.8							
12.3	085	00027	20.41	36.335	25.65		1525.2							
12.3	085	00050	20.41	36.336	25.65		1525.6							
12.3	085	00078	17.75	36.356	26.39		1518.7							
12.3	085	00101	17.30	36.379	26.52		1517.8							
12.3	085	00152	16.81	36.332	26.60		1517.1							
12.3	085	T00268	15.17	36.029	26.74		1513.6							
12.3	085	00306	14.61	35.948	26.81		1512.3							
12.3	085	T00409	13.63	35.826	26.92		1510.7							
12.3	085	00512	11.89	35.554	27.06		1506.2							
12.3	085	T00614	09.38	35.221	27.25		1498.5							
12.3	085	00825	06.87	35.170	27.59		1492.4							
12.3	085	01034	05.84	35.173	27.73		1491.7							
12.3	085	T01561	04.06											

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REFID 31 1932 YEAR 1971 BOTOP 04334 AIR TEMP 20.0 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 11 SHIP CC WET BULB 18.1 DIR 3 3 4 WIND-SPO 03 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 11 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.1 AREA 05 CLOUD T/A 8/3 CL/TR /14 WEATHER X1 ORIG E64 006 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	20.40	36.343	25.70		1524.8							
12.1	085	00025	20.40	36.340	25.65		1525.2							
12.1	085	00049	20.39	36.344	25.70		1525.6							
12.1	085	00074	17.82	36.343	26.36		1518.8							
12.1	085	00098	17.36	36.377	26.50		1517.9							
12.1	085	00147	16.78	36.335	26.61		1516.9							
12.1	085	T00201	16.20	36.227	26.66		1515.9							
12.1	085	00299	14.64	35.965	26.81		1512.3							
12.1	085	T00397	13.69	35.825	26.91		1510.7							
12.1	085	00500	12.39	35.638	27.03		1507.8							
12.1	085	00598	09.91	35.294	27.22		1500.3							
12.1	085	00795	07.20	35.190	27.56		1493.2							
12.1	085	T00996	05.90	35.190	27.74		1491.4							
12.1	085	T01496	04.14	35.011	27.80		1492.3							
14.3	085	T02019	03.66											
14.3	085	T02526	03.20	34.900	27.81		1505.7							
14.3	085	03028	02.75	34.899	27.85		1512.4							
14.3	085	T03538	02.39	34.915	27.89		1519.8							
14.3	085	04041	02.26	34.939	27.92		1528.1							
14.3	085	T04165	02.24	34.966	27.95		1530.3							
14.3	085	T04264	02.22	34.984	27.96		1532.0							

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TABLE XLIII.—Continued

REFID 31 1932 YEAR 1971 BOTOP 04407 AIR TEMP 19.8 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 11 SHIP CC WET BULB 18.0 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 58.7N DAY 13 DATA USE 1 BAROMETR 1018.0 SEA WIND-FOR 15 DURATION 2 SQUARE 46  
 LONG 047 59.3W HOUR 12.3 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER X1 ORIG E64 007 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.3	0BS	00000	20.46	36.317	25.66		1524.9							
12.3	0BS	00025	20.45	36.319	25.67		1525.5							
12.3	0BS	00045	20.41	36.334	25.65		1525.5							
12.3	0BS	00069	18.58	36.350	26.18		1520.9							
12.3	0BS	00090	17.37	36.365	26.49		1517.8							
12.3	0BS	00135	17.03	36.359	26.57		1517.5							
12.3	0BS	T00237	15.55	36.104	26.72		1514.4							
12.3	0BS	00269	15.21	36.050	26.75		1513.8							
12.3	0BS	T00361	14.23	35.890	26.84		1511.9							
12.3	0BS	00455	13.34	35.776	26.94		1510.4							
12.3	0BS	T00551	11.37	35.494	27.11		1504.9							
12.3	0BS	00747	07.72	35.189	27.48		1494.4							
12.3	0BS	T00941	06.25	35.234	27.73		1491.9							
12.3	0BS	T01430	04.13	34.998	27.75		1491.1							

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REFID 31 1932 YEAR 1971 BOTOP 04410 AIR TEMP 19.4 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 11 SHIP CC WET BULB 16.7 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 58.4N DAY 14 DATA USE 1 BAROMETR 1014.3 SEA WIND-FOR 00 DURATION 2 SQUARE 48  
 LONG 048 01.5W HOUR 13.0 AREA 05 CLOUD T/A 0/0 CL/TR WEATHER X1 ORIG E64 008 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
13.0	0BS	00000	20.60	36.349	25.65		1525.3							
13.0	0BS	00025	20.51	36.349	25.67		1525.5							
13.0	0BS	00050	20.48	36.353	25.68		1525.8							
13.0	0BS	00075	20.49	36.363	25.70		1526.3							
13.0	0BS	00100	17.58	36.356	26.43		1518.5							
13.0	0BS	00150	16.67	36.298	26.61		1516.0							
13.0	0BS	T00205	16.10	36.201	26.67		1515.6							
13.0	0BS	00306	14.51	35.925	26.81		1511.0							
13.0	0BS	T00406	13.45	35.774	26.92		1510.0							
13.0	0BS	00511	11.89	35.548	27.05		1506.2							
13.0	0BS	T00612	09.94	35.300	27.22		1500.6							
13.0	0BS	00812	06.93	35.157	27.57		1492.4							
13.0	0BS	T01018	05.91	35.176	27.72		1491.8							
13.0	0BS	T01530	04.08	34.996	27.80		1492.6							

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REFID 31 1932 YEAR 1971 BOTOP 04354 AIR TEMP 16.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 11 SHIP CC WET BULB 15.8 WIND-SPD 28 TRACE DIR 5 SQUARE 2  
 LAT 34 59.9N DAY 15 DATA USE 1 BAROMETR 1006.0 SEA WIND-FOR 00 DURATION 2 SQUARE 46  
 LONG 047 59.4W HOUR 12.5 AREA 05 CLOUD T/A 4/0 CL/TR WEATHER X0 ORIG E64 009 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.5	0BS	00000	20.33	36.311	25.65		1524.6							
12.5	0BS	00033	20.34	36.307	25.65		1525.1							
12.5	0BS	00061	20.23	36.311	25.72		1525.3							
12.5	0BS	00094	19.30	36.341	25.95		1523.3							
12.5	0BS	00122	17.32	36.356	26.45		1518.1							
12.5	0BS	00184	16.47	36.261	26.62		1516.5							
12.5	0BS	T00246	15.60	36.104	26.71		1514.7							
12.5	0BS	00371	13.93	35.866	26.85		1511.1							
12.5	0BS	T00566	10.40	35.344	27.17		1501.6							
12.5	0BS	00630	09.47	35.280	27.28		1499.2							
12.5	0BS	00755	06.93	35.172	27.58		1491.5							
12.5	0BS	01017	05.80	35.176	27.74		1491.3							
12.5	0BS	T01924	03.66	34.983	27.83		1497.6							

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REFID 31 1932 YEAR 1971 BOTOP 04297 AIR TEMP 16.8 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 11 SHIP CC WET BULB 16.4 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1006.4 SEA WIND-FOR 00 DURATION 2 SQUARE 46  
 LONG 047 56.5W HOUR 12.2 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E64 G10 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.2	0BS	00000	20.24	36.252	25.67		1524.3							
12.2	0BS	00030	20.25	36.259	25.67		1524.8							
12.2	0BS	00055	20.25	36.267	25.68		1525.2							
12.2	0BS	00084	18.86	36.312	26.08		1521.9							
12.2	0BS	00109	17.28	36.319	26.46		1517.8							
12.2	0BS	00164	16.54	36.274	26.62		1516.4							
12.2	0BS	T00288	14.97	36.007	26.77		1513.3							
12.2	0BS	00327	14.38	35.931	26.84		1511.9							
12.2	0BS	00437	13.35	35.780	26.94		1510.2							
12.2	0BS	00546	10.86	35.410	27.14		1503.0							
12.2	0BS	T00656	08.62	35.223	27.37		1496.3							
12.2	0BS	00860	05.98	35.111	27.66		1489.7							
12.2	0BS	T01094	05.42	35.146	27.76		1491.1							
12.2	0BS	T01644	03.85	34.977	27.81		1493.6							

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TABLE XLIII.—Continued

REFID 31 1932 YEAR 1971 BOTOP 04369 AIR TEMP 17.6 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 11 SHIP CC WET BULB 16.9 21 6 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01.2N DAY 18 DATA USE 1 BAROMETR 1000.7 S WIND-FOR 05 DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR /20 WEATHER X1 ORIG E64 011 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	20.29	36.183	25.60		1524.3							
12.2	08S	00025	20.32	36.240	25.64		1524.9							
12.2	08S	00050	20.30	36.246	25.65		1525.2							
12.2	08S	00075	19.76	36.302	25.84		1524.2							
12.2	08S	00100	17.24	36.325	26.45		1517.5							
12.2	08S	00150	16.66	36.308	26.62		1516.6							
12.2	08S	T00205	16.03	36.187	26.67		1515.4							
12.2	08S	00304	14.18	35.873	26.84		1510.8							
12.2	08S	T00404	13.35	35.773	26.94		1509.6							
12.2	08S	00509	11.33	35.667	27.10		1504.1							
12.2	08S	T00609	09.06	35.244	27.32		1497.2							
12.2	08S	00809	06.72	35.124	27.58		1491.4							
12.2	08S	T01013	05.73	35.151	27.73		1490.9							
12.2	08S	T01523	03.99	34.978	27.79		1492.1							

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REFID 31 1932 YEAR 1971 BOTOP 04575 AIR TEMP 19.1 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 11 SHIP CC WET BULB 15.4 13 4 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 57.2N DAY 19 DATA USE 1 BAROMETR 1003.6 SEA WIND-FOR 05 DURATION 2 SQUARE 46  
 LONG 047 55.4W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E64 012 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	20.25	36.226	25.65		1524.2							
12.1	08S	00029	20.28	36.226	25.64		1524.6							
12.1	08S	00053	20.28	36.236	25.65		1525.2							
12.1	08S	00082	19.11	36.300	26.00		1522.5							
12.1	08S	00106	17.19	36.321	26.50		1517.4							
12.1	08S	00160	16.13	36.212	26.67		1515.0							
12.1	08S	T00282	14.64	35.948	26.80		1512.0							
12.1	08S	00321	13.91	35.828	26.86		1510.2							
12.1	08S	T00429	12.40	35.616	27.01		1506.6							
12.1	08S	00537	10.44	35.378	27.19		1501.3							
12.1	08S	T00645	08.39	35.209	27.40		1495.3							
12.1	08S	00867	05.57	35.118	27.67		1489.4							
12.1	08S	01087	05.33	35.136	27.76		1490.5							
12.1	08S	T01637	03.87	34.980	27.81		1493.5							

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REFID 31 1932 YEAR 1971 BOTOP 04460 AIR TEMP 20.4 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 11 SHIP CC WET BULB 17.0 16 5 4 WIND-SPD 06 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 20 DATA USE 1 BAROMETR 1006.2 SEA WIND-FOR 05 DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 0/3 CL/TR WEATHER X1 ORIG E64 013 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	20.17	36.281	25.71		1524.1							
12.2	08S	00025	20.16	36.280	25.71		1524.5							
12.2	08S	00050	20.16	36.279	25.71		1524.9							
12.2	08S	00075	20.14	36.281	25.72		1525.2							
12.2	08S	00100	17.77	36.298	26.34		1519.0							
12.2	08S	00150	16.09	36.194	26.66		1514.7							
12.2	08S	T00204	15.21	36.039	26.74		1512.7							
12.2	08S	00304	13.58	35.786	26.90		1508.8							
12.2	08S	T00404	12.25	35.593	27.02		1505.7							
12.2	08S	00508	10.36	35.353	27.18		1500.5							
12.2	08S	T00608	06.73	35.211	27.35		1496.0							
12.2	08S	00808	06.25	35.105	27.62		1489.5							
12.2	08S	T01013	05.62	35.169	27.76		1490.5							
12.2	08S	T01523	04.05	35.000	27.80		1492.4							

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REFID 31 1932 YEAR 1971 BOTOP 04301 AIR TEMP 19.9 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 11 SHIP CC WET BULB 16.2 49 3 X WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 22 DATA USE 1 BAROMETR 1022.6 SEA WIND-FOR 05 DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.2 AREA 05 CLOUD T/A 0/5 CL/TR /18 WEATHER X1 ORIG E64 014 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	20.24	36.266	25.68		1524.3							
12.2	08S	00023	20.24	36.272	25.65		1524.7							
12.2	08S	00047	20.22	36.266	25.65		1525.0							
12.2	08S	00071	20.23	36.266	25.68		1525.4							
12.2	08S	00095	19.77	36.278	25.81		1524.6							
12.2	08S	00142	15.42	36.074	26.72		1512.4							
12.2	08S	T00195	14.37	35.905	26.82		1509.7							
12.2	08S	00291	13.50	35.601	26.95		1508.3							
12.2	08S	T00387	12.07	35.574	27.04		1504.8							
12.2	08S	00489	10.54	35.380	27.17		1500.8							
12.2	08S	00586		35.232										
12.2	08S	00780	06.53	35.135	27.61		1490.2							
12.2	08S	T00960	05.77	35.165	27.74		1490.6							
12.2	08S	T01478	04.05	34.993	27.80		1491.6							

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TABLE XLIII.—Continued

REFID 31 1942 YEAR 1971 BOTOP 04502 AIR TEMP 20.0 OIP HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 11 SHIP CC WET BULB 17.8 11 4 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 57.2N DAY 23 DATA USE 1 BAROMETR 1025.0 SEA WIND-FUF DURATION 2 SQUARE 46  
 LONG 047 57.8W HOUR 12.1 AREA CS CLOUD T/A 3/1 CL/TR WEATHER X1 ORIG E64 015 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TGT P	NO2	NO3	SI03	PH
12.1	08S	00000	20.16	36.267	25.70		1524.1							
12.1	08S	00025	20.15	36.269	25.71		1524.4							
12.1	08S	00050	20.14	36.271	25.71		1524.8							
12.1	08S	00074	17.86	36.271	26.30		1518.8							
12.1	08S	00099	16.95	36.296	26.54		1516.6							
12.1	08S	00149	16.40	36.249	26.63		1515.7							
12.1	08S	T00204	15.54	36.096	26.71		1513.8							
12.1	08S	00303	13.94	35.847	26.87		1510.0							
12.1	08S	T00402	12.91	35.703	26.97		1508.0							
12.1	08S	00506	10.92	35.422	27.14		1502.5							
12.1	08S	00605	09.14	35.251	27.31		1497.5							
12.1	08S	00804	06.23	35.093	27.62		1489.4							
12.1	08S	T01008	05.47	35.222	27.75		1491.9							
12.1	08S	T01515	03.93	34.981	27.80		1491.7							

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REFID 31 1932 YEAR 1971 BOTOP 04460 AIR TEMP 20.0 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0016 MONTH 11 SHIP CC WET BULB 17.9 29 3 4 WIND-SPD 04 TRACE DIR 5 SQUARE 1  
 LAT 34 33 N DAY 24 DATA USE 1 BAROMETR 1023.6 SEA WIND-FUF DURATION 2 SQUARE 40  
 LONG 050 01 W HOUR 12.0 AREA 05 CLCUO T/A B/2 CL/TR WEATHER X1 ORIG E64 016 1 SQUARE 40

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	JXYG	PJ4	TGT P	NO2	NO3	SI03	PH
12.0	08S	00000	20.65	36.212	25.53		1525.3							
12.0	08S	00027	20.27	36.230	25.65		1524.7							
12.0	08S	00053	20.14	36.274	25.71		1524.9							
12.0	08S	00079	19.21	36.395	26.05		1522.9							
12.0	08S	00105	18.48	36.472	26.30		1521.4							
12.0	08S	00157	17.58	36.443	26.50		1519.6							
12.0	08S	T00213	17.26	36.402	26.54		1519.5							
12.0	08S	00316	16.37	36.256	26.64		1516.4							
12.0	08S	T00418	14.79	35.955	26.77		1514.8							
12.0	08S	00524	13.51	35.786	26.91		1512.1							
12.0	08S	T00624	11.91	35.556	27.06		1508.1							
12.0	08S	00825	07.98	35.178	27.44		1496.7							
12.0	08S	T01030	05.67	35.107	27.67		1491.7							
12.0	08S	T01540	04.14	34.985	27.78		1493.0							

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TABLE XLIV.—Observed and interpolated oceanographic data for stations taken by USCGC McCULLOCH at Ocean Station ECHO, 25 November 1971 - 17 December 1971, prepared from NODC listing No. 31 - 1933.

REFID 31 1933	YEAR 1971	BOTOP 04710	AIR TEMP 20.6	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 11	SHIP ML	WET BULB 17.5	04 3 5	WIND-SPD 15	TRACE DIR	5 SQUARE 2
LAT 34 39 N	DAY 26	DATA USE 1	BAPOMETR 1025.6	SEA	WIND-FUR	DURATION	2 SQUARE 48
LONG 048 25 W	HOUR 13.0	AREA 05	CLCUD T/A 8/5	CL/TR 7/30	WEATHER X1	ORIG E65 001	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.0	08S	00000	20.16	36.199	25.65		1524.0							
13.0	08S	00028	20.17	36.196	25.65		1524.5							
13.0	08S	00051	20.19	36.195	25.64		1524.9							
13.0	08S	00079	19.69	36.243	25.97		1522.4							
13.0	08S	00102	17.43	36.262	26.40		1518.0							
13.0	08S	00154	16.48	36.205	26.56		1516.0							
13.0	08S	00206	15.59	36.075	26.65		1513.9							
13.0	08S	00311	14.10	35.638	26.83		1510.6							
13.0	08S	T00417	12.64	35.641	26.96		1507.3							
13.0	08S	00523	10.33	35.337	27.18		1500.6							
13.0	08S	T00629	08.95	35.240	27.33		1497.2							
13.0	08S	00848	06.57	35.177	27.64		1491.6							
13.0	08S	T01063	04.84	35.037	27.74		1488.0							
13.0	08S	T01603	03.98											

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REFID 31 1933	YEAR 1971	BOTOP 02333	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 11	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 11	SHIP ML	WET BULB 19.4	11 0 X	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 35 08 N	DAY 27	DATA USE 1	BAPOMETR 1019.0	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 41 W	HOUR 12.7	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	ORIG E65 002	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.7	08S	00000	20.27	36.198	25.62		1524.3							
12.7	08S	00024	20.27	36.193	25.62		1524.7							
12.7	08S	00045	20.27	36.193	25.62		1525.0							
12.7	08S	00069	19.80	36.237	25.78		1524.2							
12.7	08S	00089	17.60	36.269	26.36		1518.3							
12.7	08S	00134	16.85	36.243	26.52		1516.8							
12.7	08S	00177	16.21	36.162	26.61		1515.5							
12.7	08S	00266	14.92	35.959	26.75		1512.7							
12.7	08S	00355	13.98	35.837	26.86		1511.0							
12.7	08S	00443	13.07	35.698	26.94		1509.2							
12.7	08S	T00532	11.35	35.453	27.08		1504.5							
12.7	08S	00713	07.88	35.168	27.44		1494.4							
12.7	08S	T00890	06.26	35.125	27.64		1491.0							

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REFID 31 1933	YEAR 1971	BOTOP 04114	AIR TEMP 21.0	DIR HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 11	SHIP ML	WET BULB 17.6	06 2 4	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 07 N	DAY 28	DATA USE 1	BAPOMETR 1018.5	SEA	WIND-FUR	DURATION	2 SQUARE 48
LONG 048 01 W	HOUR 15.5	AREA 05	CLOUD T/A 3/5	CL/TR	WEATHER X1	ORIG E65 003	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
15.5	08S	00000	20.08	36.228	25.69		1523.8							
15.5	08S	00027	20.00	36.242	25.73		1524.0							
15.5	08S	00050	19.99	36.244	25.73		1524.4							
15.5	08S	00077	19.59	36.277	25.86		1523.8							
15.5	08S	00099	17.52	36.311	26.41		1518.3							
15.5	08S	00149	16.83	36.279	26.55		1517.0							
15.5	08S	00158	15.90	36.120	26.65		1514.8							
15.5	08S	00297	14.41	35.884	26.80		1511.5							
15.5	08S	00396	13.26	35.733	26.93		1509.1							
15.5	08S	00495	11.62	35.486	27.06		1504.9							
15.5	08S	T00594	09.44	35.236	27.25		1498.4							
15.5	08S	00797	06.98	35.133	27.55		1492.3							
15.5	08S	T00995	05.73	35.122	27.70		1490.6							

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TABLE XLIV.—Continued

REFID 31 1933 YEAR 1971 BOTOP 04206 AIR TEMP 20.0 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 11 SHIP ML WET BULB 18.0 01 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 29 DATA USE 1 BAROMETR 1018.6 SEA WIND-FUR 1511.9 DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.3 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER XI ORIG E65 004 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	19.94	36.245	25.74		1523.4							
12.3	OBS	00026	19.94	36.245	25.74		1523.9							
12.3	OBS	00048	19.97	36.251	25.74		1524.3							
12.3	OBS	00074	19.96	36.252	25.74		1524.7							
12.3	OBS	00096	17.51	36.236	26.40		1518.2							
12.3	OBS	00144	16.89	36.286	26.54		1517.1							
12.3	OBS	00192	16.24	36.193	26.63		1515.8							
12.3	OBS	00287	15.00	35.967	26.73		1513.3							
12.3	OBS	T00382	13.77	35.801	26.87		1510.7							
12.3	OBS	00478	12.32	35.577	26.99		1507.1							
12.3	OBS	T00573	10.12	35.292	27.18		1500.6							
12.3	OBS	00766	06.93	35.117	27.54		1491.5							
12.3	OBS	T00952	05.74	35.116	27.70		1489.9							

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REFID 31 1933 YEAR 1971 BOTOP 02835 AIR TEMP 19.9 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 11 SHIP ML WET BULB 18.0 08 3 4 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 30 DATA USE 1 BAROMETR 1021.6 SEA WIND-FUR 1511.9 DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 12.8 AREA 05 CLOUD T/A 7/0 CL/TR 728 WEATHER XI ORIG E65 005 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.8	OBS	00000	20.03	36.233	25.71		1523.7							
12.8	OBS	00025	20.03	36.230	25.71		1524.1							
12.8	OBS	00049	19.99	36.261	25.74		1524.4							
12.8	OBS	00074	19.95	36.273	25.76		1524.7							
12.8	OBS	00099	17.34	36.287	26.44		1517.7							
12.8	OBS	00148	16.59	36.239	26.58		1516.2							
12.8	OBS	T00202	15.46	36.113	26.65		1514.7							
12.8	OBS	00300	14.54	35.895	26.78		1511.9							
12.8	OBS	T00358	13.51	35.765	26.90		1510.0							
12.8	OBS	00501	11.59	35.480	27.06		1504.9							
12.8	OBS	T00600	09.45	35.240	27.25		1498.5							
12.8	OBS	00796	06.89	35.151	27.57		1491.9							
12.8	OBS	T00998	05.69	35.135	27.72		1490.5							

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REFID 31 1933 YEAR 1971 BOTOP 04298 AIR TEMP 20.1 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 12 SHIP ML WET BULB 18.4 16 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 01 DATA USE 1 BAROMETR 1022.3 SEA WIND-FUR 1511.9 DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.5 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER XI ORIG E65 006 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	OBS	00000	20.01	36.213	25.70		1525.6							
12.5	OBS	00026	19.98	36.218	25.71		1523.9							
12.5	OBS	00047	19.98	36.234	25.73		1524.3							
12.5	OBS	00073	19.27	36.267	25.94		1522.8							
12.5	OBS	00094	17.88	36.259	26.28		1519.2							
12.5	OBS	00141	16.81	36.282	26.56		1516.8							
12.5	OBS	T00188	16.31	36.199	26.61		1516.0							
12.5	OBS	00282	14.97	35.970	26.74		1513.1							
12.5	OBS	T00375	14.03	35.834	26.84		1511.5							
12.5	OBS	00470	12.99	35.692	26.95		1509.4							
12.5	OBS	T00564	10.34	35.327	27.17		1501.3							
12.5	OBS	00757	07.36	35.146	27.50		1493.1							
12.5	OBS	T00945	05.70	35.124	27.71		1489.6							
12.5	OBS	T01427	04.18	34.991	27.78		1491.3							

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REFID 31 1933 YEAR 1971 BOTOP 04344 AIR TEMP 20.8 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 12 SHIP ML WET BULB 18.8 27 4 3 WIND-SPD 19 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FUR 1511.9 DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.6 AREA 05 CLOUD T/A 3/4 CL/TR WEATHER XI ORIG E65 007 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.6	OBS	00000	20.00	36.220	25.71		1523.6							
12.6	OBS	00031	19.94	36.265	25.76		1524.0							
12.6	OBS	00057	19.87	36.250	25.77		1524.2							
12.6	OBS	00088	18.14	36.243	26.21		1519.8							
12.6	OBS	00114	17.14	36.279	26.48		1517.4							
12.6	OBS	00171	16.50	36.205	26.58		1516.3							
12.6	OBS	T00230	15.60	36.076	26.68		1514.4							
12.6	OBS	00347	14.05	35.837	26.84		1511.1							
12.6	OBS	T00465	12.81	35.678	26.97		1508.7							
12.6	OBS	00589	10.15	35.300	27.18		1501.0							
12.6	OBS	T00707	08.25	35.205	27.42		1495.8							
12.6	OBS	00943	05.71	35.095	27.69		1489.6							
12.6	OBS	T01179	04.79	35.053	27.76		1489.7							

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TABLE XLIV.—Continued

REFID 31 1933 YEAR 1971 BOTOP 04481 AIR TEMP 15.7 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 12 SHIP ML WET BULB 11.9 28 5 4 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 04 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E65 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.5	085	00000	19.90	36.242	25.75		1523.3							
12.5	085	00030	19.90	36.237	25.75		1523.8							
12.5	085	00054	19.88	36.242	25.76		1524.1							
12.5	085	00086	17.98	36.270	26.27		1519.4							
12.5	085	00111	17.02	36.275	26.50		1517.0							
12.5	085	00166	16.39	36.202	26.60		1515.9							
12.5	085	T00222	15.38	36.008	26.68		1513.5							
12.5	085	T00333	13.86	35.804	26.86		1510.2							
12.5	085	T00443	12.62	35.625	26.97		1507.6							
12.5	085	T00554	10.31	35.302	27.15		1501.0							
12.5	085	T00664	08.15	35.126	27.37		1494.6							
12.5	085	T00890	06.56	35.184	27.64		1492.2							
12.5	085	T01111	05.48	35.115	27.73		1491.5							
12.5	085	T01666	03.99	34.963	27.78		1494.5							

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REFID 31 1933 YEAR 1971 BOTOP 04710 AIR TEMP 16.8 DIR HGT PER WIND-DIP 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 12 SHIP ML WET BULB 12.5 36 4 4 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 11 DATA USE 1 BAROMETR 1018.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 12.4 AREA 05 CLOUD T/A 8/7 CL/TR /24 WEATHER X1 ORIG E65 009 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.4	085	00000	19.56	36.214	25.82		1522.4							
12.4	085	00024	19.57	36.214	25.82		1522.8							
12.4	085	00044	19.58	36.217	25.82		1523.1							
12.4	085	00068	19.53	36.221	25.83		1523.4							
12.4	085	00088	19.26	36.225	25.91		1523.0							
12.4	085	00133	17.13	36.294	26.49		1517.7							
12.4	085	T00177	16.64	36.243	26.57		1516.9							
12.4	085	00264	15.08	35.979	26.73		1513.2							
12.4	085	T00352	13.86	35.807	26.66		1510.5							
12.4	085	00440	12.82	35.672	26.97		1508.3							
12.4	085	T00529	11.51	35.488	27.08		1505.1							
12.4	085	00709	08.05	35.171	27.42		1495.0							
12.4	085	T00884	06.51	35.172	27.64		1491.9							
12.4	085	T01354	04.47	35.039	27.75		1491.3							

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REFID 31 1933 YEAR 1971 BOTOP 03931 AIR TEMP 19.0 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 12 SHIP ML WET BULB 17.0 02 2 3 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 12 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 16.1 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E65 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
16.1	085	00012	19.50											
16.1	085	00037	19.42											
16.1	085	00061	19.42											
16.1	085	00086	19.41											
16.1	085	00111	17.68											
16.1	085	00160	16.82											
16.1	085	T00215	15.87											
16.1	085	00314	14.36											
16.1	085	T00414	13.46											
16.1	085	00519	11.78											
16.1	085	T00619	09.58											
16.1	085	00819	06.57											
16.1	085	T01024	05.90											
16.1	085	T01534	04.10											

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REFID 31 1933 YEAR 1971 BOTOP 03292 AIR TEMP 18.6 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 12 SHIP ML WET BULB 16.1 36 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 13.0 AREA 05 CLOUD T/A 9/4 CL/TR /22 WEATHER X1 ORIG E65 C11 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	19.40											
13.0	085	00024	19.40											
13.0	085	00048	19.42											
13.0	085	00072	19.42											
13.0	085	00096	18.31											
13.0	085	00144	16.90											
13.0	085	T00197	16.48											
13.0	085	00294	14.91											
13.0	085	T00390	13.55											
13.0	085	00492	12.23											
13.0	085	T00588	10.06											
13.0	085	00782	07.18											
13.0	085	T00981	06.20											
13.0	085	T01482	04.16											

TABLE XLV.—Observed and interpolated oceanographic data for stations taken by USCGC SPENCER at Ocean Station ECHO, 17 December 1971 - 10 January 1972, prepared from NODC listing No. 31 - 1940.

REFID 31 1940	YEAR 1971	BOTDP 04572	AIR TEMP 15.4	DIR HGT PER	WIND-DIR 06	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 12	SHIP SC	WET BULB 13.2	34 3 6	WIND-SPD 05	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 21	DATA USE 1	BAROMETR 1034.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 46 W	HOOR 12.8	AREA 05	CLOUD T/A 6/2	CL/TR	WEATHER XB	ORIG E66 001	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	19.27	36.279	25.95		1521.6							
12.8	08S	00025	19.27	36.287	25.95		1522.0							
12.8	08S	00051	19.26	36.275	25.95		1522.4							
12.8	08S	00077	19.29	36.279	25.94		1522.9							
12.8	08S	00103	19.14	36.300	26.00		1523.0							
12.8	08S	00154	17.13	36.355	26.54		1518.1							
12.8	08S	T00210	16.19	36.233	26.67		1516.0							
12.8	08S	00311	14.63	35.957	26.81		1512.5							
12.8	08S	T00412	13.62	35.843	26.94		1510.7							
12.8	08S	00517	12.13	35.594	27.04		1507.1							
12.8	08S	T00618	10.28	35.346	27.19		1502.0							
12.8	08S	00819	07.02	35.140	27.55		1492.8							
12.8	08S	01025	05.78	35.148	27.72		1491.3							
12.8	08S	T01536	04.18	35.010	27.80		1493.1							

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REFID 31 1940	YEAR 1971	BOTDP 03658	AIR TEMP 18.9	DIR HGT PER	WIND-DIR 18	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 12	SHIP SC	WET BULB 16.6	18 2 2	WIND-SPD 14	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 22	DATA USE 1	BAROMETR 1026.1	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 05 W	HOOR 13.0	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E66 002	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.0	08S	00000	19.46	36.308	25.92		1522.2							
13.0	08S	00024	19.44	36.314	25.93		1522.5							
13.0	08S	00045	19.36	36.313	25.95		1522.7							
13.0	08S	00069	19.25	36.293	25.96		1522.7							
13.0	08S	00089	19.19	36.289	25.97		1522.9							
13.0	08S	00133	17.48	36.339	26.44		1518.8							
13.0	08S	T00178	16.66	36.302	26.61		1517.0							
13.0	08S	00266	15.61	36.115	26.71		1515.0							
13.0	08S	00441	13.50	35.803	26.93		1510.8							
13.0	08S	T00530	12.45	35.654	27.03		1508.5							
13.0	08S	00711	08.80	35.229	27.35		1497.9							
13.0	08S	T00829	06.56	35.153	27.62		1492.2							
13.0	08S	T01343	04.57	35.062	27.79		1491.6							

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REFID 31 1940	YEAR 1971	BOTDP 03292	AIR TEMP 17.6	DIR HGT PER	WIND-DIR 31	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 12	SHIP SC	WET BULB 16.7	24 3 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 23	DATA USE 1	BAROMETR 1021.6	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 00 W	HOOR 13.9	AREA 05	CLOUD T/A 8/7	CL/TR 7/2	WEATHER XB	ORIG E66 003	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.9	08S	00000	19.20	36.296	25.98		1521.4							
13.9	08S	00030	19.17	36.287	25.98		1521.8							
13.9	08S	00046	19.16	36.288	25.98		1522.1							
13.9	08S	00086	19.06	36.291	26.01		1522.5							
13.9	08S	00112	19.04	36.311	26.03		1522.9							
13.9	08S	00166	17.83	36.469	26.46		1520.5							
13.9	08S	T00221	17.34	36.432	26.55		1519.9							
13.9	08S	00329		36.166										
13.9	08S	00546	12.98	35.705	26.96		1510.6							
13.9	08S	T00651	10.57	35.375	27.16		1503.6							
13.9	08S	00856	07.23	35.149	27.52		1494.2							

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TABLE XLV.—Continued

REFID 31 1940 YEAR 1971 BOTOP 03345 AIR TEMP 16.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 12 SHIP SC WET BULB 12.5 34 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR 0 DRURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER XI ORIG E66 004 1 SQUARE 58

CASTNUM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
13.2	08S	00000	19.54	36.347	25.93		1522.5							
13.2	08S	00027	19.51	36.340	25.93		1522.8							
13.2	08S	00049	19.50	36.338	25.93		1523.1							
13.2	08S	00077	19.54	36.333	25.92		1523.7							
13.2	08S	00100	19.50	36.326	25.92		1524.0							
13.2	08S	00150	18.19	36.425	26.33		1521.2							
13.2	08S	00200	17.14	36.365	26.54		1518.9							
13.2	08S	00301	15.98	36.192	26.69		1516.8							
13.2	08S	T00400	14.56	35.960	26.83		1513.7							
13.2	08S	00505	13.64	35.818	26.91		1512.3							
13.2	08S	T00599	12.32	35.599	27.01		1509.2							
13.2	08S	00802	08.15	35.175	27.41		1496.9							
13.2	08S	T01001	06.31	35.125	27.63		1493.0							
13.2	08S	T01507	04.24	35.006	27.75		1492.9							

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REFID 31 1940 YEAR 1971 BOTOP 04800 AIR TEMP 18.0 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 12 SHIP SC WET BULB 14.0 32 3 2 WIND-SPD 29 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 26 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR 0 DRURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 13.0 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER XI ORIG E66 005 1 SQUARE 58

CASTNUM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
13.0	08S	00000	19.49	36.387	25.97		1522.4							
13.0	08S	00027	19.48	36.385	25.97		1522.8							
13.0	08S	00041	19.46											
13.0	08S	00079	19.50	36.388	25.97		1523.7							
13.0	08S	00102	19.48	36.390	25.98		1524.0							
13.0	08S	00155	18.08	36.486	26.41		1521.0							
13.0	08S	T00206	17.53	36.465	26.53		1520.3							
13.0	08S	00308	17.04	36.399	26.60		1520.4							
13.0	08S	T00412	16.46	36.288	26.65		1520.2							
13.0	08S	00520	14.45	35.912	26.81		1515.3							
13.0	08S	T00625	13.06	35.714	26.95		1512.2							
13.0	08S	00835	08.47	35.219	27.35		1496.7							
13.0	08S	01053	06.20	35.151	27.67		1493.5							
13.0	08S	T01626	04.10	35.000	27.80		1494.3							

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REFID 31 1940 YEAR 1971 BOTOP 03658 AIR TEMP 16.2 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 12 SHIP SC WET BULB 13.1 29 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 29 DATA USE 1 BAROMETR 1015.5 SEA WIND-FOR 0 DRURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.8 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER XI ORIG E66 006 1 SQUARE 49

CASTNUM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.8	08S	00000	19.23	36.355	26.01		1521.6							
12.8	08S	00029	19.24	36.358	26.01		1522.1							
12.8	08S	00053	19.23	36.353	26.01		1522.5							
12.8	08S	00083	19.25	36.359	26.01		1523.0							
12.8	08S	00107	18.82	36.470	26.21		1522.3							
12.8	08S	00161	17.71	36.466	26.48		1520.0							
12.8	08S	00214	17.42	36.449	26.54		1520.0							
12.8	08S	00322	17.03	36.388	26.59		1520.6							
12.8	08S	00536	14.55	35.943	26.81		1515.9							
12.8	08S	T00643	12.96	35.697	26.96		1512.2							
12.8	08S	00804	08.32	35.217	27.42		1494.6							

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REFID 31 1940 YEAR 1971 BOTOP 04938 AIR TEMP 18.9 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 12 SHIP SC WET BULB 16.3 27 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 30 DATA USE 1 BAROMETR 1009.5 SEA WIND-FOR 0 DRURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 13.4 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER XI ORIG E66 007 1 SQUARE 47

CASTNUM/TIME	LVLTY P	DEPTH	TEMP	SAL	SIGMA-T	DYNDP TH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
13.4	08S	00000	18.80	36.417	26.17		1520.5							
13.4	08S	00025	18.81	36.414	26.17		1520.9							
13.4	08S	00045	18.79	36.417	26.18		1521.2							
13.4	08S	00070	18.84	36.415	26.16		1521.7							
13.4	08S	00091	18.80	36.423	26.18		1522.0							
13.4	08S	00137	18.87	36.456	26.18		1523.0							
13.4	08S	T00183	18.00	36.475	26.42		1521.3							
13.4	08S	00275	17.42	36.427	26.52		1521.0							
13.4	08S	00368	17.29	36.497	26.53		1522.1							
13.4	08S	00460	16.00	36.183	26.67		1519.5							
13.4	08S	T00553	14.22	35.865	26.83		1515.0							
13.4	08S	00744	10.84	35.396	27.13		1506.1							
13.4	08S	T00935	07.08	35.136	27.54		1494.9							
13.4	08S	T01422	04.56	35.025	27.77		1493.0							

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TABLE XLV.—Continued

REFID 31 1940 YEAR 1971 BOTOP 02030 AIR TEMP 16.0 OIR HGT PER WIND-OIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 12 SHIP SC WET BULB 12.3 24 1 2 WIND-SPD 04 TRACE OIR 5 SQUARE 4  
 LAT 35 03 N DAY 31 DATA USE 1 BARMETR 1018.6 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 13.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E66 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	19.19	36.354	26.02		1521.5							
13.0	085	00025	19.18	36.357	26.03		1521.9							
13.0	085	00049	19.16	36.355	26.03		1522.2							
13.0	085	00073	19.18	36.357	26.03		1522.7							
13.0	085	00097	19.13	36.366	26.05		1522.9							
13.0	085	00146	18.37	36.511	26.35		1521.8							
13.0	085	T00199	17.70	36.464	26.48		1520.6							
13.0	085	00297	17.16	36.400	26.57		1520.6							
13.0	085	T00394	16.79	36.342	26.61		1521.0							
13.0	085	00496	15.49	36.090	26.72		1518.4							
13.0	085	T00594	13.92	35.838	26.87		1514.7							
13.0	085	00789	10.15	35.324	27.20		1504.3							
13.0	085	00989	06.94	35.162	27.58		1495.3							
13.0	085	T01490	04.33	34.996	27.77		1493.0							

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REFID 31 1940 YEAR 1972 BOTOP 04296 AIR TEMP 13.6 OIR HGT PER WIND-OIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 01 SHIP SC WET BULB 09.8 31 4 3 WIND-SPD 20 TRACE OIR 5 SQUARE 4  
 LAT 35 02 N DAY 02 DATA USE 1 BARMETR 1023.4 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 13.2 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER X1 ORIG E66 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.2	085	00000	18.88											
13.2	085	00030	19.01	36.424	26.12		1521.6							
13.2	085	00047	18.87	36.416	26.15		1521.4							
13.2	085	00085	18.88	36.423	26.16		1522.1							
13.2	085	00111	18.87	36.436	26.17		1522.5							
13.2	085	00167	18.57	36.515	26.31		1522.7							
13.2	085	T00223	17.88	36.486	26.46		1521.6							
13.2	085	00335	17.24	36.425	26.57		1521.5							

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REFID 31 1940 YEAR 1972 BOTOP 04755 AIR TEMP 17.7 OIR HGT PER WIND-OIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 01 SHIP SC WET BULB 12.5 26 3 3 WIND-SPD 10 TRACE OIR 5 SQUARE 4  
 LAT 35 02 N DAY 03 DATA USE 1 BARMETR 1026.3 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 16.9 AREA 05 CLOUD T/A 6/5 CL/TR /34 WEATHER X1 ORIG E66 010 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
16.9	085	00000	19.78	36.397	25.90		1523.2							
16.9	085	00025	19.28	36.430	26.06		1522.2							
16.9	085	00049	19.26	36.436	26.07		1522.6							
16.9	085	00074	19.24	36.453	26.09		1523.0							
16.9	085	00099	19.17	36.511	26.15		1523.2							
16.9	085	00149	18.38	36.505	26.35		1521.8							
16.9	085	T00203	17.69	36.495	26.51		1520.7							
16.9	085	00302	17.25	36.413	26.56		1521.0							
16.9	085	00401	16.77	36.342	26.62		1521.1							
16.9	085	00505	15.65	36.105	26.69		1519.1							
16.9	085	T00604	14.03	35.846	26.85		1515.2							
16.9	085	00802	09.70	35.284	27.24		1502.8							
16.9	085	T01007	06.61	35.125	27.59		1494.3							
16.9	085	01517	04.35	34.995	27.77		1493.5							

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REFID 31 1940 YEAR 1972 BOTOP 03840 AIR TEMP 17.7 OIR HGT PER WIND-OIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 01 SHIP SC WET BULB 15.7 03 2 2 WIND-SPD 15 TRACE OIR 5 SQUARE 4  
 LAT 35 00 N DAY 04 DATA USE 1 BARMETR 1020.6 SEA WIND-FGR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 17.2 AREA 05 CLOUD T/A 7/6 CL/T/P WEATHER X8 ORIG E66 011 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
17.2	085	00000	18.72	36.370	26.16		1520.2							
17.2	085	00030	18.70	36.439	26.21		1520.7							
17.2	085	00055	18.69	36.444	26.22		1521.1							
17.2	085	00085	18.72	36.450	26.22		1521.7							
17.2	085	00110	18.66	36.443	26.23		1521.9							
17.2	085	00165	18.68	36.481	26.35		1521.8							
17.2	085	T00220	17.87	36.492	26.46		1521.5							
17.2	085	00330	17.26	36.412	26.55		1521.4							
17.2	085	T00440	16.60	36.307	26.63		1521.2							
17.2	085	00550	14.45	35.914	26.81		1515.8							
17.2	085	T00660	13.00	35.714	26.96		1512.6							
17.2	085	00885	08.74	35.234	27.36		1500.6							
17.2	085	T01105	05.69	35.065	27.66		1492.2							
17.2	085	T01255	04.16	35.000	27.79		1495.0							

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TABLE XLV.—Continued

REFID 31 1940 YEAR 1972 BOTOP 04755 AIR TEMP 17.6 DIR FGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 01 SHIP SC WET BULB 13.6 DIR FGT PER WIND-SFD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 05 DATA USE 1 BAROMETR 1021.0 SEA WIND-FUR CURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.7 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG 666 012 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	UXYG	PJ4	TOT P	NU2	NO3	SIU3	PH
12.7	OBS	00000	18.84	36.440	26.18		1520.6							
12.7	OBS	00025	18.84	36.431	26.17		1521.0							
12.7	OBS	00049	18.75	36.434	26.20		1521.2							
12.7	OBS	00074	18.76	36.429	26.15		1521.6							
12.7	OBS	00049	18.65	36.440	26.25		1521.7							
12.7	OBS	00148	18.53	36.438	26.26		1522.2							
12.7	OBS	T00198	18.15	36.496	26.40		1522.0							
12.7	OBS	00296	17.50	36.458	26.53		1521.6							
12.7	OBS	T00394	16.47	36.577	26.60		1521.6							
12.7	OBS	00493	15.56	36.177	26.68		1519.9							
12.7	OBS	T00592	13.53	35.051	26.88		1514.7							
12.7	OBS	00790	09.58	35.312	27.22		1503.7							
12.7	OBS	T00989	06.86	35.150	27.58		1495.0							
12.7	OBS	T01489	04.35	35.004	27.77		1493.0							
15.1	OBS	T01974	03.77	34.942	27.82		1498.5							
15.1	OBS	T02478	03.42											
15.1	OBS	02979	02.96	34.952	27.87		1512.5							
15.1	OBS	T03487	02.59	34.923	27.88		1519.8							
15.1	OBS	03990	02.33	34.906	27.89		1527.5							
15.1	OBS	T04348	02.23	34.895	27.85		1533.4							
15.1	OBS	T04448	02.24	34.885	27.88		1535.2							

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REFID 31 1940 YEAR 1972 BOTOP 04206 AIR TEMP 16.8 DIR FGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 01 SHIP SC WET BULB 12.6 DIR FGT PER WIND-SFD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 07 DATA USE 1 BAROMETR 1021.0 SEA WIND-FUR CURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 14.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG 666 013 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	UXYG	PJ4	TOT P	NU2	NO3	SIU3	PH
14.1	OBS	00000	18.49	36.442	26.27		1519.6							
14.1	OBS	00024	18.48	36.443	26.27		1520.0							
14.1	OBS	00049	18.50	36.446	26.27		1520.5							
14.1	OBS	00073	18.53	36.441	26.26		1520.9							
14.1	OBS	00098	18.48	36.444	26.27		1521.2							
14.1	OBS	00146	18.42	36.441	26.29		1521.8							
14.1	OBS	00200	18.08	36.485	26.41		1521.8							
14.1	OBS	00298	17.45	36.432	26.52		1521.5							
14.1	OBS	T00396	16.48	36.373	26.55		1521.6							
14.1	OBS	00498	15.68	36.127	26.70		1519.1							
14.1	OBS	T00596	13.87	35.792	26.84		1514.5							
14.1	OBS	00791	09.22	35.184	27.25		1500.8							
14.1	OBS	00991	06.89	35.157	27.58		1495.2							
14.1	OBS	01490	04.44	35.012	27.77		1493.4							

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TABLE XLVI-Observed interpolated oceanographic data for stations taken by USCGC MORGENTHAU at Ocean Station ECHO, 10 January 1972 - 5 February 1972, prepared from NODC listing No. 31 - 1942.

REFID 31 1942 YEAR 1972 BOTOP 03658 AIR TEMP 15.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 01 SHIP 4M WET BULB 11.5 03 5 4 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 11 DATA USE 1 BAROMETR 1035.5 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.0 AREA 05 CLOUD T/A 6/6 CL/TR /27 WEATHER X1 ORIG E67 001 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
12.0	OBS	00000	17.75	36.362	26.39		1517.4							
12.0	OBS	00024	17.79	36.364	26.39		1517.9							
12.0	OBS	00048	17.77	36.359	26.39		1518.2							
12.0	OBS	00072	17.75	36.360	26.39		1518.6							
12.0	OBS	00096	17.74	36.347	26.38		1518.9							
12.0	OBS	00145	17.70	36.336	26.39		1519.6							
12.0	OBS	T00198	17.68	36.318	26.38		1520.4							
12.0	OBS	00294	17.54	36.455	26.52		1521.7							
12.0	OBS	T00391	17.02	36.390	26.59		1521.7							
12.0	OBS	00492	15.78	36.142	26.65		1519.3							
12.0	OBS	T00589	13.62	35.766	26.88		1513.5							
12.0	OBS	00782	09.42	35.289	27.29		1501.5							
12.0	OBS	T00980	06.54	35.156	27.63		1493.6							
12.0	OBS	T01473	04.77	35.029	27.75		1494.5							

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REFID 31 1942 YEAR 1972 BOTOP 04297 AIR TEMP 19.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 01 SHIP 4M WET BULB 15.6 33 2 4 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 13 DATA USE 1 BAROMETR 1031.3 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 13.5 AREA 05 CLOUD T/A 8/4 CL/TR /20 WEATHER X1 ORIG E67 002 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
13.5	OBS	00000	17.69	36.337	26.39		1517.2							
13.5	OBS	00025	17.70	36.337	26.39		1517.6							
13.5	OBS	00045	17.71	36.337	26.38		1518.0							
13.5	OBS	00071	17.71	36.340	26.39		1518.4							
13.5	OBS	00092	17.70	36.338	26.39		1518.7							
13.5	OBS	00137	17.70	36.337	26.39		1519.5							
13.5	OBS	T00184	17.73	36.335	26.38		1520.3							
13.5	OBS	00276	17.74	36.458	26.47		1522.0							
13.5	OBS	00459	16.33	36.248	26.65		1520.6							
13.5	OBS	T00551	14.92	36.002	26.78		1517.4							
13.5	OBS	00741	10.59	35.386	27.17		1505.2							

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REFID 31 1942 YEAR 1972 BOTOP 04840 AIR TEMP 18.4 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 01 SHIP 4M WET BULB 17.2 32 6 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 46 N DAY 14 DATA USE 1 BAROMETR 1031.6 SEA WIND-FDP DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E67 003 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
12.3	OBS	00000	18.09	36.454	26.38		1518.5							
12.3	OBS	00025	18.09	36.456	26.38		1518.9							
12.3	OBS	00049	18.09	36.447	26.37		1519.3							
12.3	OBS	00073	18.07	36.447	26.38		1519.6							
12.3	OBS	00098	17.86	36.392	26.39		1519.4							
12.3	OBS	00146	17.80	36.388	26.40		1520.0							
12.3	OBS	T00200	17.71	36.456	26.48		1520.7							
12.3	OBS	00298	17.23	36.419	26.56		1520.8							
12.3	OBS	00396	16.71	36.336	26.63		1520.8							
12.3	OBS	00499	15.02	36.000	26.76		1516.9							
12.3	OBS	00598		35.757										
12.3	OBS	00796	08.89	35.184	27.30		1499.6							
12.3	OBS	T00999	05.98	35.076	27.64		1491.6							
12.3	OBS	T01507	04.28	35.010	27.79		1493.1							

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TABLE XLVI.—Continued

REFID 31 1942 YEAR 1972 BOTOP 03109 AIR TEMP 18.2 DIP HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 01 SHIP 4M WET BULB 15.9 3 2 5 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 15 DATA USE 1 BAROMETR 1031.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E67 004 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	18.34	36.439	26.31		1519.2							
12.2	08S	00024	18.35	36.449	26.31		1519.6							
12.2	08S	00049	18.34	36.443	26.31		1520.0							
12.2	08S	00073	18.24	36.439	26.33		1520.1							
12.2	08S	00097	18.04	36.404	26.35		1519.9							
12.2	08S	00146	17.93	36.394	26.37		1520.4							
12.2	08S	T00199	17.94	36.446	26.31		1521.2							
12.2	08S	00297	17.54	36.446	26.51		1521.8							
12.2	08S	T00394	16.98	36.383	26.65		1521.6							
12.2	08S	00497	15.85	36.154	26.65		1519.6							
12.2	08S	T00595	14.02	35.441	26.85		1515.0							
12.2	08S	00791	09.94	35.188	27.13		1503.4							
12.2	08S	T00993	06.46	35.110	27.60		1493.4							
12.2	08S	01498	04.50	35.031	27.78		1493.8							

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REFID 31 1942 YEAR 1972 BOTOP 04572 AIR TEMP 18.6 DIP HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 01 SHIP 4M WET BULB 16.2 25 4 4 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 16 DATA USE 1 BAROMETR 1030.3 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E67 005 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	18.32	36.453	26.32		1519.2							
12.2	08S	00025	18.31	36.450	26.32		1519.5							
12.2	08S	00050	18.32	36.445	26.32		1520.0							
12.2	08S	00075	18.32	36.445	26.32		1520.4							
12.2	08S	00100	18.31	36.424	26.30		1520.7							
12.2	08S	00150	18.33											
12.2	08S	T00205	17.95	36.443	26.41		1521.4							
12.2	08S	00305	17.39	36.428	26.53		1521.4							
12.2	08S	T00405	16.87	36.351	26.60		1521.4							
12.2	08S	00510	15.79	36.130	26.68		1519.6							
12.2	08S	T00610	13.75	35.797	26.87		1514.4							
12.2	08S	00610	08.80	35.171	27.30		1499.5							
12.2	08S	T01015	06.17	35.107	27.64		1492.7							
12.2	08S	01525	04.34	35.060	27.82		1493.7							

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REFID 31 1942 YEAR 1972 BOTOP 04114 AIR TEMP 19.0 DIP HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 01 SHIP 4M WET BULB 15.9 20 4 3 WIND-SPD 28 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1021.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E67 006 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	18.44	36.454	26.29		1519.5							
12.1	08S	00024	18.45	36.449	26.29		1519.9							
12.1	08S	00043	18.45	36.450	26.29		1520.2							
12.1	08S	00067	18.44	36.452	26.29		1520.6							
12.1	08S	00086	18.47	36.454	26.28		1521.0							
12.1	08S	00129	18.31	36.474	26.34		1521.3							
12.1	08S	00172	18.05	36.479	26.41		1521.2							
12.1	08S	00257	17.71	36.471	26.49		1521.6							
12.1	08S	T00342	17.25	36.428	26.57		1521.6							
12.1	08S	00430	16.93	36.368	26.60		1522.1							
12.1	08S	T00517	15.91	36.177	26.65		1520.2							
12.1	08S	00699	12.13	35.585	27.04		1510.1							
12.1	08S	T00883	07.82	35.150	27.44		1497.0							
12.1	08S	T01373	04.91	35.054	27.75		1493.5							

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REFID 31 1942 YEAR 1972 BOTOP 03420 AIR TEMP 18.0 DIP HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 01 SHIP 4M WET BULB 16.4 13 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 23 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E67 007 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	18.34	36.472	26.33		1519.2							
12.1	08S	00025	18.33	36.465	26.33		1519.6							
12.1	08S	00050	18.34	36.463	26.32		1520.0							
12.1	08S	00075	18.34	36.464	26.33		1520.5							
12.1	08S	00100	18.30	36.462	26.33		1520.7							
12.1	08S	00150	18.16	36.461	26.37		1521.2							
12.1	08S	T00205	17.84	36.478	26.46		1521.2							
12.1	08S	00305	17.37	36.436	26.54		1521.4							
12.1	08S	T00405	16.86	36.365	26.61		1521.4							
12.1	08S	00510	15.96	36.173	26.68		1520.2							
12.1	08S	T00610	14.07	35.908	26.89		1515.5							
12.1	08S	00810	09.54	35.291	27.28		1502.4							
12.1	08S	01015	06.25	35.078	27.60		1492.9							
12.1	08S	T01525	04.36	35.023	27.79		1493.7							

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TABLE XLVI.—Continued

REFID 31 1942 YEAR 1972 BOTOP 03658 AIR TEMP 18.6 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 01 SHIP 4M WET BULB 17.1 18 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 24 DATA USE 1 BAROMETR 1026.7 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 046 14 W HOUR 12.1 AREA 05 CLOUD T/A 8/5 CL/TR /20 WEATHER X1 ORIG E67 008 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	18.40	36.467	26.31		1519.4							
12.1	08S	00028	18.42	36.466	26.31		1519.9							
12.1	08S	00049	18.39	36.469	26.32		1520.2							
12.1	08S	00075	18.29	36.462	26.34		1520.3							
12.1	08S	00097	18.26	36.463	26.34		1520.6							
12.1	08S	00145	18.03	36.478	26.41		1520.7							
12.1	08S	T00193	17.81	36.474	26.46		1520.9							
12.1	08S	00291	17.35	36.429	26.54		1521.1							
12.1	08S	T00388	16.98	36.389	26.60		1521.5							
12.1	08S	00487	16.17	36.216	26.66		1520.5							
12.1	08S	T00585	14.27	35.895	26.84		1515.8							
12.1	08S	00788	10.03	35.319	27.21		1503.9							
12.1	08S	T00991	06.21	35.046	27.56		1492.3							

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REFID 31 1942 YEAR 1972 BOTOP 04480 AIR TEMP 18.5 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 01 SHIP 4M WET BULB 17.7 21 5 3 WIND-SPD 25 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1020.2 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 12.1 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E67 009 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	17.78	36.324	26.36		1517.4							
12.1	08S	00026	17.78	36.326	26.36		1517.9							
12.1	08S	00049	17.73	36.316	26.36		1518.1							
12.1	08S	00074	17.64	36.332	26.40		1518.3							
12.1	08S	00096	17.70	36.353	26.40		1518.8							

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REFID 31 1942 YEAR 1972 BOTOP 04755 AIR TEMP 18.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 01 SHIP 4M WET BULB 13.0 35 4 4 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1017.8 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 16 W HOUR 12.0 AREA 05 CLOUD T/A 2/6 CL/TR WEATHER X1 ORIG E67 010 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	17.79	36.275	26.32		1517.4							
12.0	08S	00023	17.80	36.272	26.31		1517.8							
12.0	08S	00047	17.76	36.265	26.32		1518.1							
12.0	08S	00093	17.65	36.282	26.36		1518.5							
12.0	08S	00140	17.76	36.375	26.40		1519.7							
12.0	08S	00191	17.75											
12.0	08S	00284	17.48	36.437	26.52		1521.4							
12.0	08S	T00377	16.86	36.357	26.61		1521.0							
12.0	08S	00475	16.20	36.217	26.65		1520.4							
12.0	08S	00568	14.17	35.870	26.84		1515.1							
12.0	08S	00754	10.38	35.363	27.19		1504.0							
12.0	08S	T00947	06.66	35.053	27.53		1493.4							
12.0	08S	T01434	04.51	35.039	27.78		1492.8							
12.7	08S	T01574	03.77											
12.7	08S	T02477	03.33	34.976	27.86		1505.5							
12.7	08S	T02975	02.97	34.955	27.87		1512.5							
12.7	08S	T03479	02.48	34.924	27.85		1519.2							

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REFID 31 1942 YEAR 1972 BOTOP 04755 AIR TEMP 16.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 02 SHIP 4M WET BULB 13.1 26 6 4 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 02 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E67 011 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	08S	00000	18.21	36.402	26.31		1518.3							
12.0	08S	00022	18.20	36.397	26.31		1515.1							
12.0	08S	00044	18.23	36.393	26.30		1519.5							
12.0	08S	00066	18.23	36.392	26.30		1519.7							
12.0	08S	00088	18.22	36.392	26.30		1520.2							
12.0	08S	00133	18.21	36.387	26.30		1520.9							
12.0	08S	00182	18.15	36.394	26.32		1521.6							
12.0	08S	00272	18.16	36.415	26.34		1523.1							
12.0	08S	T00364	17.30	36.433	26.56		1522.1							
12.0	08S	00460	16.58	36.296	26.62		1521.4							
12.0	08S	T00552	14.58	35.916	26.79		1516.2							
12.0	08S	00739	09.94	35.264	27.19		1502.0							
12.0	08S	T00933	06.76	35.069	27.53		1493.6							
12.0	08S	T01425	04.30	34.982	27.76		1491.7							

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TABLE XLVI.—Continued

REFID 31	1942	YEAR 1972	BOUOP 04663	AIR TEMP 18.6	DIR FGT PER 22 5 2	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 02	SHIP 4M	WET BULB 17.5	BAROMETR 1019.0	SEA	WIND-SPD 32	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 03	DATA USE 1	CLOUD T/A 6/8	CL/TR	WIND-FUR	DURATION	CRIG E67 012	2 SQUARE 46
LCNG 047 57 W	HOOR 11.9	AREA 05			WEATHER XB			1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	18.33	36.400	26.26		1519.1							
11.9	OBS	00028	18.35	36.404	26.28		1519.6							
11.9	OBS	00053	18.34	36.404	26.28		1520.0							
11.9	OBS	00082	18.34	36.404	26.28		1520.5							
11.9	OBS	00107	18.35	36.407	26.28		1520.4							
11.9	OBS	00162	18.33	36.408	26.28		1521.8							
11.9	OBS	T00219	18.19	36.470	26.37		1522.4							
11.9	OBS	00335	17.51	36.465	26.53		1522.3							
11.9	OBS	T00452	16.68	36.331	26.63		1521.6							
11.9	OBS	00575	14.48	36.921	26.81		1516.3							
11.9	OBS	T00695	11.32	35.456	27.05		1507.1							
11.9	OBS	00934	07.07	35.127	27.53		1494.9							
11.9	OBS	T01174	04.99	35.056	27.74		1490.5							
11.9	OBS	T01779	03.87	34.976	27.80		1495.9							

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REFID 31	1942	YEAR 1972	BOUOP 04846	AIR TEMP 15.4	DIR FGT PER 05 1 2	WIND-DIR 05	INST NANSEN CAST	TEN SQ 1206
CONSEC 0013	MONTH 02	SHIP 4M	WET BULB 13.0	BAROMETR 1022.0	SEA	WIND-SPD 14	TRACE DIR	5 SQUARE 2
LAT 34 49 N	DAY 04	DATA USE 1	CLOUD T/A 6/7	CL/TR 7/34	WEATHER X1	DURATION	CRIG E67 013	2 SQUARE 46
LONG 047 48 W	HOOR 13.1	AREA 05						1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
13.1	OBS	00000	18.25	36.410	26.31		1518.9							
13.1	OBS	00019	18.24	36.414	26.31		1519.2							
13.1	OBS	00034	18.25	36.408	26.30		1519.5							
13.1	OBS	00053	18.26	36.406	26.30		1519.8							
13.1	OBS	00068	18.22	36.411	26.31		1519.9							
13.1	OBS	00102	18.24	36.416	26.31		1520.6							
13.1	OBS	00136	18.20	36.423	26.33		1521.0							

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TABLE XLVII.—Observed and interpolated oceanographic data for station taken by USCGC CHINCOTEAGUE at Ocean Station ECHO, 5 February 1972 - 29 February 1972, prepared from NODC listing No. 31 -1952.

REFID 31 1952 YEAR 1972 BOTOP 03396 AIR TEMP 14.2 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0001 MONTH 01 SHIP CC WET BULB 11.1 35 6 2 WIND-SPD 25 TRACE DIR 5 SQUARE 1  
 LAT 34 36 N DAY 31 DATA USE 1 BAROMETR 1015.4 SEA WIND-FOR DURATION 2 SQUARE 44  
 LONG 074 20 W HOUR 18.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG EEN 01E 1 SQUARE 44

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TCT P	NO2	NO3	SI03	PH
18.2	OBS	00000	24.45	36.024	24.30		1534.7							
18.2	OBS	00023	24.42	36.035	24.32		1535.0							
18.2	OBS	00043	24.21	36.048	24.39		1534.8							
18.2	OBS	00066	23.53	36.194	24.70		1533.7							
18.2	OBS	00085	23.21	36.327	24.90		1533.4							
18.2	OBS	00128	22.98	36.434	25.05		1533.7							
18.2	OBS	00226	22.38	36.711	25.43		1534.1							
18.2	OBS	00258	20.03	36.675	26.05		1528.4							
18.2	OBS	T00345	18.15	36.569	26.45		1524.5							
18.2	OBS	00435	17.15	36.435	26.60		1522.9							
18.2	OBS	T00527	16.59	36.347	26.66		1522.6							
18.2	OBS	00725	09.86	35.314	27.24		1502.2							
18.2	OBS	00925	05.72	35.074	27.67		1489.3							
18.2	OBS	T01444	04.12	35.029	27.82		1491.4							

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REFID 31 1952 YEAR 1972 BOTOP 03500 AIR TEMP 14.7 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0002 MONTH 01 SHIP CC WET BULB 11.8 35 4 3 WIND-SPD 22 TRACE DIR 5 SQUARE 1  
 LAT 34 24.3N DAY 31 DATA USE 1 BAROMETR 1017.5 SEA WIND-FOR DURATION 2 SQUARE 44  
 LONG 074 10 W HOUR 23.0 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG EEN 02E 1 SQUARE 44

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PO4	TCT P	NO2	NO3	SI03	PH
23.0	OBS	00000	24.32	36.045	24.36		1534.4							
23.0	OBS	00029	24.29	36.050	24.37		1534.8							
23.0	OBS	00053	24.10	36.031	24.41		1534.7							
23.0	OBS	00082	23.51	36.250	24.75		1534.0							
23.0	OBS	00106	23.09	36.407	24.95		1533.5							
23.0	OBS	00159	22.73	36.395	25.05		1533.5							
23.0	OBS	T00280	18.89	36.566	26.26		1525.5							
23.0	OBS	00318	18.30	36.513	26.37		1524.4							
23.0	OBS	00425	17.28	36.365	26.51		1523.0							
23.0	OBS	00532	16.57	36.277	26.61		1522.5							
23.0	OBS	T00639	13.62	35.741	26.86		1514.3							
23.0	OBS	00858	07.81	35.047	27.36		1496.4							
23.0	OBS	T01074	05.01	35.015	27.71		1488.8							
23.0	OBS	T01616	04.07	34.972	27.78		1494.0							

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REFID 31 1952 YEAR 1972 BOTOP 04118 AIR TEMP 14.7 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0003 MONTH 02 SHIP CC WET BULB 11.8 00 X X WIND-SPD 20 TRACE DIR 5 SQUARE 1  
 LAT 34 06.5N DAY 01 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 42  
 LONG 073 38 W HOUR 01.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG EEN 03E 1 SQUARE 43

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TCT P	NO2	NO3	SI03	PH
01.2	OBS	00000	21.15	36.207	25.35		1526.6							
01.2	OBS	00022	21.12	36.212	25.40		1526.9							
01.2	OBS	00039	21.08	36.429	25.58		1527.3							
01.2	OBS	00061	20.54	36.439	25.79		1525.7							
01.2	OBS	00079	20.42	36.562	25.86		1526.4							
01.2	OBS	00118	19.52	36.471	26.03		1524.5							
01.2	OBS	00208	17.70	36.418	26.45		1520.7							
01.2	OBS	00236	17.60	36.396	26.46		1520.9							
01.2	OBS	00315	17.36	36.418	26.53		1521.5							
01.2	OBS	00394	16.95	36.351	26.56		1521.5							
01.2	OBS	T00473	16.23	36.279	26.65		1520.5							
01.2	OBS	00634		35.727										
01.2	OBS	T00791	09.22	35.198	27.26		1500.8							
01.2	OBS	T01185	04.71	34.991	27.72		1489.4							

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BDTDP 04788 AIR TEMP 15.1 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0004 MONTH 02 SHIP CC WET BULB 11.2 32 4 2 WIND-SPD 20 TRACE DIR 5 SQUARE 1  
 LAT 33 50 N DAY 01 DATA USE 1 BAROMETR 1020.0 SEA WIND-FUR DURATION 2 SQUARE 22  
 LONG 073 05 W HOUR 06.2 AREA 05 CLOUD T/A 7/6 CL/TR WEAHTER X1 ORIG EEN 04E 1 SQUARE 33

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
06.2	08S	00000	20.76	36.127	25.44		1525.5							
06.2	08S	00030	20.16	36.377	25.79		1524.7							
06.2	08S	00055	19.81	36.398	25.90		1524.2							
06.2	08S	00085	19.65	36.506	26.02		1524.3							
06.2	08S	00111	19.17	36.551	26.18		1523.5							
06.2	08S	00166	18.29	36.514	26.38		1521.9							
06.2	08S	T00291	17.45	36.440	26.63		1521.9							
06.2	08S	00351	17.11	36.391	26.57		1521.0							
06.2	08S	00441	16.06	36.197	26.67		1519.4							
06.2	08S	00551	13.57	35.765	26.85		1512.8							
06.2	08S	T00661	11.48	35.535	27.12		1507.2							
06.2	08S	00866	07.04	35.056	27.47		1494.1							
06.2	08S	T01106	05.19	35.030	27.70		1450.1							
06.2	08S	01656	04.05	34.972	27.78		1494.6							

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REFID 31 1952 YEAR 1972 BDTDP 04789 AIR TEMP 14.7 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0005 MONTH 02 SHIP CC WET BULB 11.8 35 6 3 WIND-SPD 22 TRACE DIR 5 SQUARE 1  
 LAT 33 32 N DAY 01 DATA USE 1 BAROMETR 1016.8 SEA WIND-FUR DURATION 2 SQUARE 22  
 LONG 072 34 W HOUR 10.6 AREA 05 CLOUD T/A 6/5 CL/TR WEAHTER X1 ORIG EEN 05E 1 SQUARE 32

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
10.6	08S	00000	22.43	36.282	25.05		1530.0							
10.6	08S	00029	22.44	36.285	25.05		1530.5							
10.6	08S	00053	22.37	36.414	25.21		1530.9							
10.6	08S	00082	21.51	36.493	25.51		1529.2							
10.6	08S	00106	21.44	36.633	25.63		1529.6							
10.6	08S	00159	20.05	36.526	25.93		1526.7							
10.6	08S	00283	18.12	36.537	26.44		1523.5							
10.6	08S	00319	17.86											
10.6	08S	00426	17.20	36.437	26.55		1522.9							
10.6	08S	00533	16.17	36.243	26.68		1521.5							
10.6	08S	T00640	14.05	35.880	26.87		1515.9							
10.6	08S	00862	09.28	35.232	27.27		1502.2							
10.6	08S	01079	05.84	35.065	27.65		1494.5							
10.6	08S	T01625	04.20	35.014	27.60		1494.7							

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REFID 31 1952 YEAR 1972 BDTDP 04621 AIR TEMP 14.0 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0006 MONTH 02 SHIP CC WET BULB 10.4 06 3 2 WIND-SPD 14 TRACE DIR 5 SQUARE 1  
 LAT 33 11 N DAY 01 DATA USE 1 BAROMETR 1024.0 SEA WIND-FUR DURATION 2 SQUARE 22  
 LONG 072 03 W HOUR 15.1 AREA 05 CLOUD T/A 6/5 CL/TR WEAHTER X1 ORIG EEN 06E 1 SQUARE 32

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
15.1	08S	00000	22.30	36.408	25.22		1529.8							
15.1	08S	00024	22.30	36.414	25.23		1530.2							
15.1	08S	00045	22.32	36.412	25.22		1530.6							
15.1	08S	00071	22.32	36.416	25.22		1531.1							
15.1	08S	00091	21.74	36.430	25.40		1529.9							
15.1	08S	00135	20.30	36.474	25.82		1526.9							
15.1	08S	T00237	18.46	36.541	26.35		1523.5							
15.1	08S	00269	18.16	36.514	26.41		1523.2							
15.1	08S	00354	17.76	36.488	26.45		1523.4							
15.1	08S	00440	17.38	36.448	26.55		1523.6							
15.1	08S	T00524	16.93	36.372	26.60		1523.6							
15.1	08S	00699		35.792										
15.1	08S	T00865	09.58	35.248	27.24		1503.4							
15.1	08S	T01288	04.79	35.028	27.74		1491.5							

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REFID 31 1952 YEAR 1972 BDTDP 05207 AIR TEMP 18.5 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1209  
 CONSEC 0007 MONTH 02 SHIP CC WET BULB 14.8 11 6 3 WIND-SPD 24 TRACE DIR 5 SQUARE 1  
 LAT 32 17 N DAY 02 DATA USE 1 BAROMETR 1019.2 SEA WIND-FUR DURATION 2 SQUARE 20  
 LONG 070 35 W HOUR 02.5 AREA 05 CLOUD T/A 8/8 CL/TR WEAHTER X2 ORIG EEN 07E 1 SQUARE 20

CASTNUM/TIME	LVL/TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
02.5	08S	00000	20.21	36.504	25.87		1524.5							
02.5	08S	00022	20.20	36.500	25.87		1524.8							
02.5	08S	00041	20.22	36.498	25.86		1525.2							
02.5	08S	00064	20.21	36.498	25.87		1525.5							
02.5	08S	00084	19.48	36.550	26.10		1523.9							
02.5	08S	00125	18.36	36.510	26.36		1521.4							
02.5	08S	00168	18.01	36.503	26.44		1521.1							
02.5	08S	00250	17.56	36.469	26.52		1521.1							
02.5	08S	T00376	17.02	36.399	26.60		1521.5							
02.5	08S	00415	16.82	36.365	26.62		1521.5							
02.5	08S	T00496	15.98	36.236	26.72		1520.1							
02.5	08S	00653		35.491										
02.5	08S	T00808	09.14	35.219	27.29		1500.8							
02.5	08S	T01155	04.72	35.027	27.75		1489.0							

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TABLE XLVII.—(Continued)

REFID 31 1952 YEAR 1972 BDTOP 03811 AIR TEMP 17.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 02 SHIP CC WET BULB 14.3 28 6 4 WIND-SPD 29 TRACE DIR 5 SQUARE 2  
 LAT 34 59.5N DAY 06 DATA USE 1 BAROMETR 1015.2 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 55.0W HOUR 12.2 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E68 001 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	N02	N03	SID3	PH
12.2	OBS	00000	18.39	36.354	26.23		1519.2							
12.2	OBS	00028		36.356										
12.2	OBS	00050	18.39	36.356	26.23		1520.1							
12.2	OBS	00078	18.36	36.356	26.24		1520.4							
12.2	OBS	00100	18.38	36.352	26.23		1520.8							
12.2	OBS	00150	18.32	36.352	26.24		1521.5							
12.2	OBS	T00264	17.70	36.410	26.44		1521.6							
12.2	OBS	00301	17.51	36.391	26.48		1521.7							
12.2	OBS	T00401	17.08	36.319	26.52		1522.0							
12.2	OBS	00502	16.56	36.231	26.58		1522.0							
12.2	OBS	T00603	14.95	35.927	26.71		1518.3							
12.2	OBS	00811	09.62	35.197	27.19		1502.6							
12.2	OBS	01014	05.98	34.980	27.56		1491.7							
12.2	OBS	T01530	04.28	34.928	27.72		1493.3							

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REFID 31 1952 YEAR 1972 BDTOP 04548 AIR TEMP 16.2 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 02 SHIP CC WET BULB 12.4 29 6 4 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 07 DATA USE 1 BAROMETR 1025.1 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E68 002 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	N02	N03	SID3	PH
12.2	OBS	00000	18.09	36.284	26.25		1518.3							
12.2	OBS	00027	18.09	36.290	26.25		1518.7							
12.2	OBS	00049	18.12	36.294	26.25		1519.2							
12.2	OBS	00076	18.09	36.294	26.26		1519.5							
12.2	OBS	00098	18.12	36.301	26.26		1520.0							
12.2	OBS	00147	18.13	36.305	26.26		1520.8							
12.2	OBS	T00258	17.88	36.433	26.42		1522.1							
12.2	OBS	00293	17.78	36.432	26.44		1522.4							
12.2	OBS	T00361	17.32	36.369	26.50		1522.4							
12.2	OBS	00489	16.66	36.256	26.58		1522.1							
12.2	OBS	T00587	15.02	35.980	26.74		1518.3							
12.2	OBS	00688	10.16	35.252	27.14		1505.9							
12.2	OBS	00988	06.16	34.948	27.51		1491.9							
12.2	OBS	T01492	04.27											

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REFID 31 1952 YEAR 1972 BDTOP 04345 AIR TEMP 19.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 02 SHIP CC WET BULB 16.5 29 4 3 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 08 DATA USE 1 BAROMETR 1023.1 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 12.2 AREA 05 CLOUD T/A 6/1 CL/TR WEATHER X1 ORIG E68 003 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	P04	TOT P	N02	N03	SID3	PH
12.2	OBS	00000	18.35	36.354	26.24		1519.1							
12.2	OBS	00028	18.34	36.350	26.24		1519.5							
12.2	OBS	00052	18.35	36.353	26.24		1520.0							
12.2	OBS	00081	18.26	36.349	26.26		1520.2							
12.2	OBS	00105	18.28	36.347	26.25		1520.0							
12.2	OBS	00158	18.27	36.351	26.26		1521.5							
12.2	OBS	00280	18.01	36.429	26.38		1522.8							
12.2	OBS	00319	17.71	36.415	26.45		1522.6							
12.2	OBS	00427	17.00	36.329	26.55		1522.2							
12.2	OBS	00536	16.17	36.167	26.62		1521.3							
12.2	OBS	T00644	13.82	35.773	26.84		1515.1							
12.2	OBS	00867	08.20	35.062	27.31		1498.0							
12.2	OBS	01086	05.33	34.982	27.64		1490.3							
12.2	OBS	T01635	04.04											

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REFID 31 1952 YEAR 1972 BDTOP 04297 AIR TEMP 19.1 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 02 SHIP CC WET BULB 18.3 22 6 3 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 09 DATA USE 1 BAROMETR 1024.5 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.7 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 DRIG E68 004 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DAYG	P04	TOT P	N02	N03	SID3	PH
12.7	OBS	00000	18.22	36.361	26.28		1518.8							
12.7	OBS	00026	18.25	36.363	26.27		1519.3							
12.7	OBS	00047	18.27	36.370	26.27		1519.7							
12.7	OBS	00073	18.24	36.369	26.28		1520.0							
12.7	OBS	00095	18.27	36.370	26.27		1520.5							
12.7	OBS	00142	18.22	36.380	26.29		1521.1							
12.7	OBS	T00249	17.99	36.449	26.40		1522.3							
12.7	OBS	00283	17.70	36.445	26.47		1522.0							
12.7	OBS	00377	17.17	36.376	26.55		1521.1							
12.7	OBS	00472	16.66	36.286	26.66		1521.4							
12.7	OBS	T00566	14.34	35.910	26.83		1515.7							
12.7	OBS	00759	10.23	35.295	27.16		1504.1							
12.7	OBS	T00946	05.49	34.945	27.60		1488.6							
12.7	OBS	T01415	04.40											

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BOTDP 04917 AIR TEMP 15.0 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 02 SHIP CC WET BULB 14.7 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 49 N DAY 10 DATA USE 1 BAROMETR 1024.7 SEA WIND-FOR 2 SQUARE 46  
 LONG 047 44 W HOUR 12.1 AREA 05 CLOUD T/A 7/8 CL/TR /08 WEATHER X2 ORIG E68 005 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	17.53	36.306	26.41		1516.7							
12.1	08S	00026	17.55	36.317	26.41		1517.2							
12.1	08S	00049	17.54	36.312	26.41		1517.5							
12.1	08S	00076	17.43	36.319	26.44		1517.7							
12.1	08S	00098	17.45	36.319	26.43		1518.1							
12.1	08S	00147	17.42	36.323	26.44		1518.8							
12.1	08S	T00256	17.42	36.436	26.53		1520.7							
12.1	08S	00289	17.09	36.393	26.58		1520.2							
12.1	08S	00378	16.43	36.293	26.66		1519.6							
12.1	08S	00466	14.89	36.001	26.78		1515.9							
12.1	08S	T00553	13.10	35.745	26.97		1511.2							
12.1	08S	00731	08.96	35.203	27.30		1498.8							
12.1	08S	T00907	06.38	35.068	27.58		1491.6							
12.1	08S	T01355	04.39											

REFID 31 1952 YEAR 1972 BOTDP 04853 AIR TEMP 18.1 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 02 SHIP CC WET BULB 16.2 WIND-SPD 18 TRACE DIR 5 SQUARE 2  
 LAT 33 55 N DAY 17 DATA USE 1 BAROMETR 1016.5 SEA WIND-FOR 2 SQUARE 28  
 LONG 049 14 W HOUR 12.1 AREA 05 CLOUD T/A 8/4 CL/TR /18 WEATHER X1 ORIG E68 006 1 SQUARE 39

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	18.21	36.390	26.30		1518.8							
12.1	08S	00025	18.16	36.383	26.31		1519.0							
12.1	08S	00046	18.10	36.352	26.30		1519.2							
12.1	08S	00070	18.04	36.345	26.31		1519.4							
12.1	08S	00090	18.06	36.343	26.30		1519.8							
12.1	08S	00136	18.02	36.342	26.31		1520.4							
12.1	08S	00238	17.78	36.342	26.37		1521.4							
12.1	08S	00271	16.88	36.181	26.47		1519.1							
12.1	08S	00360	17.31	36.386	26.52		1522.0							
12.1	08S	00451	16.88	36.313	26.57		1522.2							
12.1	08S	T00543	15.68	36.169	26.74		1519.9							
12.1	08S	00734	11.34	35.429	27.07		1507.8							
12.1	08S	T00925	07.47	35.061	27.42		1496.2							
12.1	08S	T01425	04.63	34.988	27.73		1493.1							

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REFID 31 1952 YEAR 1972 BOTDP 04573 AIR TEMP 17.8 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 02 SHIP CC WET BULB 16.2 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 18 DATA USE 1 BAROMETR 1019.7 SEA WIND-FOR 2 SQUARE 49  
 LONG 048 00 W HOUR 12.1 AREA 05 CLOUD T/A 8/8 CL/TR /18 WEATHER X2 ORIG E68 007 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	08S	00000	17.37	36.278	26.42		1516.2							
12.1	08S	00031	17.36	36.286	26.43		1516.7							
12.1	08S	00057	17.36	36.279	26.43		1517.1							
12.1	08S	00088	17.31	36.285	26.44		1517.5							
12.1	08S	00113	17.28	36.298	26.46		1517.8							
12.1	08S	00169	17.21	36.288	26.47		1518.5							
12.1	08S	T00298	16.06	36.148	26.63		1517.0							
12.1	08S	00338	15.52	36.052	26.68		1515.9							
12.1	08S	00449	13.59	35.762	26.88		1511.1							
12.1	08S	00559	11.46	35.425	27.04		1505.3							
12.1	08S	T00669	09.37	35.246	27.27		1499.4							
12.1	08S	00894	05.95	34.982	27.57		1489.6							
12.1	08S	T01114	04.88	34.980	27.65		1488.9							
12.1	08S	T01664	04.01	34.943	27.76		1494.5							

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REFID 31 1952 YEAR 1972 BOTDP 04558 AIR TEMP 17.4 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 02 SHIP CC WET BULB 14.0 WIND-SPD 23 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR 2 SQUARE 48  
 LONG 048 01 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR /18 WEATHER X1 ORIG E68 008 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	17.03	36.220	26.46		1515.1							
12.3	08S	00029	17.00	36.218	26.47		1515.5							
12.3	08S	00052	16.93	36.194	26.46		1515.6							
12.3	08S	00081	16.86	36.190	26.48		1515.9							
12.3	08S	00105	16.68	36.150	26.49		1515.7							
12.3	08S	00158	16.21	36.082	26.55		1515.1							
12.3	08S	00278	15.79	36.111	26.67		1515.8							
12.3	08S	00317	14.97	35.958	26.73		1513.7							
12.3	08S	00424	13.04	35.650	26.91		1508.8							
12.3	08S	00532	11.08	35.395	27.05		1503.5							
12.3	08S	T00640	09.00	35.247	27.33		1497.5							
12.3	08S	00863	05.80	35.026	27.62		1488.5							
12.3	08S	T01081	04.82	35.014	27.73		1488.2							
12.3	08S	T01630	04.07	34.982	27.75		1494.2							

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TABLE XLVII.—Continued

REFID 31 1952 YEAR 1972 BOTDP 04658 AIR TEMP 17.9 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 02 SHIP CC WET BULB 16.0 29 6 3 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 36 N DAY 26 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 37 W HOUR 11.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E68 009 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.9	08S	00000	16.90	36.188	26.47		1514.7							
11.9	08S	00020	16.88	36.190	26.47		1515.1							
11.9	08S	00052	16.93	36.194	26.46		1515.6							
11.9	08S	00080	16.96	36.225	26.48		1516.2							
11.9	08S	00104	17.17	36.297	26.45		1517.3							
11.9	08S	00156	16.88	36.228	26.50		1517.2							
11.9	08S	00275	16.09	36.147	26.63		1516.7							
11.9	08S	00313	15.83	36.129	26.67		1516.5							
11.9	08S	00419	13.85	35.801	26.66		1511.5							
11.9	08S	00525	11.16	35.420	27.05		1505.7							
11.9	08S	T00632	08.78	35.178	27.31		1496.5							
11.9	08S	00853	05.75	35.006	27.61		1488.1							
11.9	08S	T01070	04.69	35.007	27.71		1488.3							
11.9	08S	T01616	03.95	34.975	27.75		1495.5							
14.5	08S	T01967	03.65											
14.5	08S	T02476	03.86											
14.5	08S	T02979	02.89											
14.5	08S	T03487	02.48											
14.5	08S	T03991	02.50											

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REFID 31 1952 YEAR 1972 BOTDP 04491 AIR TEMP 17.7 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 02 SHIP CC WET BULB 16.7 15 5 2 WIND-SPD 25 TRACE DIR 5 SQUARE 2  
 LAT 34 36 N DAY 27 DATA USE 1 BAROMETR 1031.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E68 010 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.0	08S	00000	16.97	36.211	26.47		1514.9							
12.0	08S	00027	17.04	36.218	26.46		1515.6							
12.0	08S	00051	17.01	36.230	26.47		1515.9							
12.0	08S	00078	17.01	36.273	26.51		1516.4							
12.0	08S	00102	17.16	36.275	26.47		1517.2							
12.0	08S	00153	16.93	36.317	26.56		1517.4							
12.0	08S	T00204	16.16											
12.0	08S	00309	16.01	36.166	26.66		1517.0							
12.0	08S	00471	13.03	35.688	26.94		1509.6							
12.0	08S	00524	11.79											
12.0	08S	T00631	09.57	35.290	27.27		1499.6							
12.0	08S	00849	06.35	35.075	27.59		1490.6							
12.0	08S	T01072	04.67	34.994	27.73		1467.4							
12.0	08S	T01650	04.00											

REFID 31 1952 YEAR 1972 BOTDP 04527 AIR TEMP 18.0 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 02 SHIP CC WET BULB 17.0 19 3 2 WIND-SPD 22 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 28 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 2/8 CL/TR WEATHER X2 ORIG E68 011 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	08S	00000	16.80	36.205	26.50		1514.4							
12.2	08S	00027	16.73	36.219	26.53		1514.7							
12.2	08S	00049	16.80	36.227	26.52		1515.2							
12.2	08S	00076	16.65	36.236	26.56		1515.2							
12.2	08S	00099	16.54	36.231	26.59		1515.3							
12.2	08S	00148	16.56	36.234	26.58		1516.1							
12.2	08S	T00260	16.10	36.155	26.63		1516.5							
12.2	08S	00296	15.95	36.156	26.67		1516.6							
12.2	08S	00395	14.39	35.880	26.80		1513.0							
12.2	08S	00495	12.26											
12.2	08S	T00594	09.88											
12.2	08S	00810	06.81											
12.2	08S	T01024	04.84											
12.2	08S	T01565	04.04											

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TABLE XLVIII—Observed and interpolated oceanographic data for stations taken by ESCANABA at Ocean Station ECHO, 29 February 1972 - 25 March 1972, prepared from NODC listing No. 31 - 8304.

REFID 31 8304 YEAR 1972 BOTOP 03726 AIP TEMP 18.1 DIR HGT PER WIND-DIR 1+ INST STO RECORDER TFN SQ 1276  
 CONSEC 0001 MONTH 03 SHIP EN WET BULB 16.0 11 1 2 WIND-SFD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 08.2N DAY 03 DATA USE 1 PARAMETER 1037.1 SEA WIND-FOR DURATION 00.9 2 SQUARE 48  
 LONG 048 00.0W HOUR 12.1 AREA 05 CLOUD T/A CLZTR WEATHER 41 ORIG E69 C11 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO <sub>2</sub>	NO <sub>3</sub>	SI 13	PH
12.1	OBS	00000	17.64	36.33	26.40		1517.0							
	OBS	00010	17.38	36.32	26.45		1516.4							
	OBS	00020	17.36	36.32	26.46		1516.5							
	OBS	00030	17.35	36.32	26.46		1516.7							
	OBS	00050	17.34	36.32	26.46		1517.0							
	OBS	00075	17.30	36.31	26.46		1517.2							
	OBS	00100	17.24	36.31	26.48		1517.5							
	OBS	00125	17.23	36.31	26.46		1517.9							
	OBS	00150	17.19	36.32	26.50		1513.2							
	OBS	00160	17.17	36.34	26.52		1518.3							
	OBS	00180	16.94	36.35	26.58		1518.0							
	OBS	00200	16.63	36.29	26.61		1517.3							
	OBS	00220	16.28	36.23	26.65		1516.5							
	OBS	00250	16.01	36.14	26.64		1516.0							
	OBS	00287	15.28	36.06	26.74		1514.3							
	OBS	00300	15.23	36.03	26.73		1514.3							
	OBS	00400	13.47	35.73	26.88		1509.9							
	OBS	00420	13.06	35.69	26.93		1508.8							
	OBS	00460	12.54	35.62	26.98		1507.6							
	OBS	00530	11.39	35.43	27.06		1504.1							
	OBS	00520	11.25	35.42	27.08		1503.9							
	OBS	00600	08.86	35.12	27.25		1496.2							
	OBS	00640	08.08	35.08	27.34		1493.9							
	OBS	00660	08.02	35.06	27.35		1494.0							
	OBS	00700	07.16	35.03	27.44		1491.2							
	OBS	00722	06.57	35.04	27.53		1489.3							
	OBS	00800	06.14	35.03	27.58		1488.7							
	OBS	00850	05.50	35.01	27.64		1487.1							
	OBS	00900	05.29	35.02	27.68		1487.1							
	OBS	01000	04.86	35.00	27.71		1487.0							
	OBS	01100	04.60	34.99	27.73		1487.5							
	OBS	01200	04.40	34.98	27.75		1488.4							
	OBS	01300	04.27	34.98	27.76		1489.5							
	OBS	01400	04.18	34.98	27.77		1490.8							
	OBS	01500	04.07	34.98	27.78		1492.0							

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REFID 31 8304 YEAR 1972 BOTOP 02388 AIP TEMP 17.4 DIR HGT PER WIND-DIR 15 INST STO RECORDER TFN SQ 1206  
 CONSEC 0002 MONTH 03 SHIP EN WET BULB 16.7 13 1 2 WIND-SFD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 17 N DAY 04 DATA USE 1 PARAMETER 1036.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 04 W HOUR 00.1 AREA 05 CLOUD T/A CLZTR WEATHER 41 ORIG E69 C12 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO <sub>2</sub>	NO <sub>3</sub>	SI 13	PH
00.1	OBS	00000	17.89	36.31	26.32		1517.7							
	OBS	00010	17.56	36.28	26.38		1516.9							
	OBS	00020	17.43	36.30	26.42		1516.7							
	OBS	00030	17.41	36.30	26.42		1516.5							
	OBS	00050	17.37	36.30	26.44		1517.0							
	OBS	00075	17.30	36.31	26.46		1517.2							
	OBS	00100	17.29	36.30	26.46		1517.6							
	OBS	00125	17.24	36.35	26.51		1517.9							
	OBS	00132	17.31	36.36	26.50		1516.3							
	OBS	00150	17.30	36.36	26.52		1518.6							
	OBS	00170	17.00	36.30	26.53		1517.9							
	OBS	00200	16.78	36.32	26.60		1517.8							
	OBS	00250	16.15	36.18	26.64		1516.5							
	OBS	00300	15.23	36.03	26.73		1514.3							
	OBS	00400	13.52	35.74	26.98		1510.1							
	OBS	00450	12.65	35.58	26.97		1507.1							
	OBS	00500	11.69	35.49	27.05		1505.2							
	OBS	00530	11.13	35.43	27.10		1503.7							
	OBS	00600	09.37	35.17	27.21		1498.1							
	OBS	00640	08.32	35.06	27.29		1494.7							
	OBS	00700	07.51	35.06	27.41		1492.6							
	OBS	00800	05.91	35.00	27.55		1467.9							
	OBS	00885	05.29	35.01	27.67		1486.9							
	OBS	00900	05.26	35.02	27.68		1487.0							
	OBS	00950	05.20	35.01	27.68		1487.5							
	OBS	01000	04.95	35.01	27.71		1487.3							
	OBS	01050	04.71	34.99	27.72		1487.0							
	OBS	01100	04.59	35.00	27.74		1487.5							
	OBS	01200	04.45	35.00	27.76		1488.0							
	OBS	01300	04.25	34.99	27.77		1489.4							
	OBS	01400	04.14	34.98	27.78		1490.6							
	OBS	01500	04.02	34.98	27.79		1491.5							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTOP 04263 AIR TEMP 18.5 OIR HGT PER WIND-OIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 03 SHIP EN WET BULB 16.5 24 2 2 WIND-SPO 10 TRACE OIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 04 DATA USE 1 BAROMETR 1034.6 SEA WIND-FOP DURATION 00.4 2 SQUARE 46  
 LONG 047 59 W HOUR 12.5 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG E69 003 1 SQUARE 57

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	17.37	36.31	26.45		1516.2							
	OBS	00010	17.37	36.31	26.45		1516.4							
	OBS	00020	17.36	36.31	26.45		1516.5							
	OBS	00030	17.34	36.31	26.45		1516.6							
	OBS	00050	17.34	36.33	26.47		1517.0							
	OBS	00075	17.35	36.36	26.49		1517.5							
	OBS	00090	17.35	36.37	26.50		1517.7							
	OBS	00100	17.28	36.34	26.49		1517.6							
	OBS	00115	17.22	36.37	26.53		1517.7							
	OBS	00125	17.15	36.34	26.52		1517.7							
	OBS	00150	16.83	36.33	26.59		1517.1							
	OBS	00200	16.09	36.20	26.67		1515.5							
	OBS	00250	15.25	36.02	26.72		1513.5							
	OBS	00300	14.43	35.89	26.80		1511.6							
	OBS	00355	13.50	35.78	26.91		1509.3							
	OBS	00400	12.16	35.57	27.02		1505.3							
	OBS	00500	09.85	35.25	27.19		1496.4							
	OBS	00550	08.72	35.12	27.28		1494.8							
	OBS	00600	07.99	35.08	27.36		1492.8							
	OBS	00640	07.15	35.03	27.44		1490.2							
	OBS	00700	06.58	35.05	27.54		1489.0							
	OBS	00760	05.82	35.00	27.60		1486.9							
	OBS	00800	05.67	35.02	27.63		1487.0							
	OBS	00900	05.15	35.02	27.69		1486.5							
	OBS	01000	04.86	35.01	27.72		1486.9							
	OBS	01100	04.51	34.99	27.74		1487.2							
	OBS	01200	04.34	34.99	27.76		1488.1							
	OBS	01300	04.24	34.99	27.77		1489.4							
	OBS	01400	04.09	34.99	27.79		1490.4							
	OBS	01492	04.04	35.00	27.80		1491.8							

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REFID 31 8304 YEAR 1972 BOTOP 04178 AIR TEMP 17.5 OIR HGT PER WIND-OIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 03 SHIP EN WET BULB 16.0 20 3 2 WIND-SPO 15 TRACE OIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 05 DATA USE 1 BAROMETR 1031.7 SEA WIND-FOP DURATION 00.7 2 SQUARE 46  
 LONG 047 59 W HOUR 02.2 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG E69 004 1 SQUARE 57

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
02.2	OBS	00000	17.58	36.31	26.40		1516.8							
	OBS	00010	17.56	36.31	26.40		1516.9							
	OBS	00020	17.55	36.32	26.41		1517.1							
	OBS	00030	17.56	36.32	26.41		1517.3							
	OBS	00040	17.54	36.32	26.41		1517.4							
	OBS	00050	17.38	36.32	26.45		1517.1							
	OBS	00075	17.36	36.32	26.46		1517.4							
	OBS	00100	17.31	36.32	26.47		1517.7							
	OBS	00125	17.28	36.32	26.48		1518.0							
	OBS	00150	17.23	36.33	26.50		1518.3							
	OBS	00170	17.22	36.35	26.51		1518.6							
	OBS	00200	16.92	36.33	26.57		1518.2							
	OBS	00250	16.52	36.25	26.60		1517.7							
	OBS	00270	15.92	36.17	26.68		1516.1							
	OBS	00300	15.41	36.05	26.71		1514.9							
	OBS	00355	14.05	35.84	26.84		1511.2							
	OBS	00380	13.95	35.81	26.84		1511.2							
	OBS	00400	13.62	35.76	26.87		1510.4							
	OBS	00440	13.30	35.75	26.93		1510.0							
	OBS	00470	12.37	35.56	26.97		1507.1							
	OBS	00500	11.90	35.52	27.03		1506.0							
	OBS	00528	11.48	35.42	27.03		1504.9							
	OBS	00532	10.85	35.34	27.09		1502.6							
	OBS	00600	09.16	35.17	27.24		1497.4							
	OBS	00610	08.77	35.14	27.28		1496.0							
	OBS	00642	08.50	35.07	27.27		1495.5							
	OBS	00670	07.66	35.06	27.39		1492.7							
	OBS	00700	07.48	35.05	27.41		1492.5							
	OBS	00800	05.86	35.04	27.62		1487.8							
	OBS	00850	05.45	35.03	27.67		1486.9							
	OBS	00900	05.27	35.03	27.69		1487.0							
	OBS	01000	04.89	35.02	27.73		1487.1							
	OBS	01040	04.63	35.00	27.74		1486.7							
	OBS	01100	04.51	35.00	27.75		1487.2							
	OBS	01200	04.32	34.99	27.77		1488.1							
	OBS	01250	04.22	34.98	27.77		1488.5							
	OBS	01300	04.16	34.99	27.78		1489.1							
	OBS	01400	04.11	35.00	27.80		1490.5							
	OBS	01440	04.11	35.00	27.80		1491.2							
	OBS	01480	04.05	35.00	27.80		1491.6							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTOP 0436.9 AIR TEMP 16.8 DIR HGT PER WIND-DIR 20 INST STD PECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 03 SHIP EN WET BULB 16.4 DIR 2 X WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 05 DATA USE 1 BAROMETR 1029.4 SEA WIND-FOP DURATION 00.7 2 SQUARE 48  
 LONG 047 00 W HOUR 15.9 APEA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 005 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
15.9	OBS	00000	17.62	36.31	26.39		1517.0							
	OBS	00010	17.55	36.31	26.40		1516.9							
	OBS	00020	17.50	36.31	26.42		1516.9							
	OBS	00030	17.48	36.31	26.42		1517.0							
	OBS	00050	17.38	36.33	26.46		1517.1							
	OBS	00075	17.35	36.33	26.47		1517.4							
	OBS	00100	17.34	36.33	26.47		1517.8							
	OBS	00120	17.34	36.36	26.49		1518.2							
	OBS	00125	17.28	36.33	26.48		1518.3							
	OBS	00140	17.16	36.36	26.54		1518.0							
	OBS	00150	17.07	36.34	26.54		1517.8							
	OBS	00200	16.47	36.24	26.41		1516.7							
	OBS	00210	16.36	36.20	26.66		1516.5							
	OBS	00218	16.51	36.27	26.62		1517.2							
	OBS	00250	16.18	36.21	26.65		1516.6							
	OBS	00300	15.47	36.07	26.71		1515.1							
	OBS	00350	14.52	35.91	26.80		1512.7							

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REFID 31 8304 YEAR 1972 BOTOP 0449.3 AIR TEMP 18.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 03 SHIP EN WET BULB 13.6 DIR 2 2 WIND-SPD 16 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 06 DATA USE 1 BAROMETR 1029.4 SEA WIND-FOP DURATION 1 SQUARE 46  
 LONG 047 51.1 W HOUR 12.4 APEA 05 CLOUD T/A CL/TR /19 WEATHER X1 ORIG E69 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	17.53	36.303	26.40		1516.7							
12.4	OBS	00045	17.24	36.279	26.45		1516.5							
12.4	OBS	00091	16.93	36.217	26.48		1516.3							
12.4	OBS	00134	17.02	36.269	26.50		1517.4							
12.4	OBS	00181	16.93	36.280	26.53		1517.9							
12.4	OBS	00227	16.70	36.277	26.58		1517.9							
12.4	OBS	00272	16.28	36.227	26.64		1517.3							
12.4	OBS	00363		35.949										
12.4	OBS	T00454	12.68	35.711	27.03		1508.1							

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REFID 31 8304 YEAR 1972 BOTOP 0259.1 AIR TEMP 18.8 DIR HGT PER WIND-DIR 21 INST STD PECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 03 SHIP EN WET BULB 17.1 DIR 21 3 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 07 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOP DURATION 00.4 2 SQUARE 46  
 LONG 047 49 W HOUR 12.1 APEA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 007 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.1	OBS	00000	17.39	36.27	26.41		1516.2							
	OBS	00010	17.34	36.28	26.43		1516.3							
	OBS	00020	17.34	36.28	26.43		1516.4							
	OBS	00030	17.36	36.30	26.44		1516.7							
	OBS	00045	17.35	36.30	26.44		1516.9							
	OBS	00050	17.29	36.30	26.46		1516.8							
	OBS	00075	17.18	36.31	26.49		1516.9							
	OBS	00100	17.22	36.34	26.51		1517.5							
	OBS	00125	17.25	36.35	26.51		1518.0							
	OBS	00150	17.23	36.34	26.50		1518.3							
	OBS	00165	17.22	36.34	26.51		1518.5							
	OBS	00200	16.88	36.33	26.58		1518.1							
	OBS	00220	16.57	36.28	26.62		1517.4							
	OBS	00250	16.37	36.25	26.64		1517.3							
	OBS	00300	15.16	36.03	26.75		1514.1							
	OBS	00320	15.03	35.99	26.75		1513.9							
	OBS	00361	13.86	35.80	26.85		1510.6							
	OBS	00390	13.63	35.75	26.86		1510.3							
	OBS	00400	13.31	35.72	26.90		1509.4							
	OBS	00455	12.47	35.61	26.99		1507.3							
	OBS	00500	11.34	35.43	27.07		1503.9							
	OBS	00520	10.62	35.35	27.14		1501.6							
	OBS	00600	08.88	35.16	27.28		1496.3							
	OBS	00640	07.89	35.06	27.36		1493.1							
	OBS	00659	07.36	35.05	27.43		1491.4							
	OBS	00700	06.87	35.01	27.47		1490.1							
	OBS	00750	06.12	35.04	27.55		1488.0							
	OBS	00800	05.75	35.03	27.63		1487.3							
	OBS	00870	05.31	35.02	27.68		1486.7							
	OBS	00900	05.23	35.03	27.69		1486.8							
	OBS	01000	04.84	35.01	27.72		1486.9							
	OBS	01100	04.59	34.99	27.74		1487.5							
	OBS	01140	04.45	34.99	27.75		1487.6							
	OBS	01200	04.39	35.00	27.77		1488.4							
	OBS	01300	04.23	35.00	27.78		1489.4							
	OBS	01400	04.10	34.99	27.79		1490.5							
	OBS	01490	04.02	34.99	27.80		1491.7							

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TABLE XLVIII.—Continued

REF ID 31 8304 YEAR 1972 BOTOP 04430 AIR TEMP 18.0 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 03 SHIP EN WET BULB 17.7 22 3 3 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58.5N DAY 08 DATA USE 1 BAROMETR 1030.1 SEA WIND-FXP DURATION 00.3 2 SQUARE 48  
 LONG 048 02.5W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIG E69 006 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
00.3	OBS	00000	17.52	36.28	26.39		1516.6							
	OBS	00010	17.53	36.28	26.39		1516.8							
	OBS	00020	17.49	36.28	26.39		1516.9							
	OBS	00030	17.36	36.28	26.43		1516.7							
	OBS	00050	17.26	36.28	26.45		1516.7							
	OBS	00075	17.19	36.29	26.48		1516.9							
	OBS	00100	17.16	36.29	26.48		1517.2							
	OBS	00125	17.14	36.31	26.50		1517.6							
	OBS	00150	17.09	36.36	26.55		1517.9							
	OBS	00200	16.68	36.30	26.61		1517.4							
	OBS	00250	16.04	36.18	26.66		1516.2							
	OBS	00300	15.05	36.00	26.75		1513.7							
	OBS	00400	13.60	35.79	26.90		1510.4							
	OBS	00500	11.32	35.43	27.07		1503.9							
	OBS	00580	10.07	35.22	27.13		1500.4							
	OBS	00600	08.99	35.14	27.25		1496.7							
	OBS	00640	08.01	35.08	27.36		1493.6							
	OBS	00665	07.59	35.05	27.39		1492.3							
	OBS	00700	07.46	35.12	27.47		1492.5							
	OBS	00720	07.07	35.11	27.52		1491.3							
	OBS	00750	06.92	35.12	27.54		1491.2							
	OBS	00800	06.52	35.09	27.58		1490.5							
	OBS	00822	05.69	35.03	27.64		1487.4							
	OBS	00900	05.29	35.02	27.68		1487.1							
	OBS	00920	05.11	35.01	27.69		1486.7							
	OBS	01000	04.84	34.99	27.71		1486.9							
	OBS	01020	04.72	34.99	27.72		1486.7							
	OBS	01050	04.72	35.00	27.73		1487.2							
	OBS	01070	04.63	34.99	27.73		1487.2							
	OBS	01100	04.59	35.00	27.74		1487.5							
	OBS	01155	04.58	35.01	27.75		1488.4							
	OBS	01200	04.49	35.00	27.75		1488.8							
	OBS	01265	04.27	34.99	27.77		1488.9							
	OBS	01300	04.27	34.99	27.77		1489.5							
	OBS	01400	04.15	34.99	27.78		1490.7							
	OBS	01490	04.08	34.99	27.79		1491.9							

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REF ID 31 8304 YEAR 1972 BOTOP 04687 AIR TEMP 16.2 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1206  
 CONSEC 0009 MONTH 03 SHIP EN WET BULB 15.0 34 3 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53.5N DAY 08 DATA USE 1 BAROMETR 1033.8 SEA WIND-FXP DURATION 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG E69 009 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
12.2	OBS	00000	17.47	36.30	26.42		1516.5							
	OBS	00010	17.48	36.30	26.41		1516.7							
	OBS	00020	17.48	36.30	26.41		1516.9							
	OBS	00030	17.47	36.30	26.42		1517.0							
	OBS	00050	17.30	36.30	26.46		1516.8							
	OBS	00075	17.15	36.25	26.48		1516.4							
	OBS	00100	17.00	36.26	26.50		1516.7							
	OBS	00125	17.02	36.27	26.50		1517.2							
	OBS	00143	16.94	36.26	26.51		1517.2							
	OBS	00150	17.00	36.33	26.55		1517.6							
	OBS	00200	16.59	36.28	26.61		1517.1							
	OBS	00250	16.02	36.17	26.66		1516.1							
	OBS	00300	14.97	35.98	26.75		1513.4							
	OBS	00370	13.84	35.77	26.83		1510.7							
	OBS	00400	13.04	35.67	26.92		1509.4							
	OBS	00440	12.16	35.56	27.01		1505.9							
	OBS	00460	12.12	35.56	27.02		1506.1							
	OBS	00500	11.30	35.41	27.06		1503.8							
	OBS	00550	10.56	35.32	27.12		1501.8							
	OBS	00600	08.75	35.14	27.25		1495.8							
	OBS	00700	07.23	35.05	27.45		1491.5							
	OBS	00750	06.52	35.05	27.54		1489.6							
	OBS	00800	06.02	35.01	27.58		1488.4							
	OBS	00900	05.30	35.02	27.68		1487.1							
	OBS	01000	04.96	35.01	27.71		1487.4							
	OBS	01040	04.71	35.00	27.73		1487.0							
	OBS	01100	04.56	34.99	27.74		1487.4							
	OBS	01200	04.45	35.00	27.76		1488.6							
	OBS	01300	04.31	35.00	27.77		1489.7							
	OBS	01400	04.18	34.99	27.78		1490.8							
	OBS	01460	04.14	34.99	27.78		1491.7							
	OBS	01500	04.07	34.99	27.79		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTDR 04630 AIF TEMP 16.9 OIP HST PER WIND-OIP 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0010 MONTH 03 SHIP EN WET BULB 14.8 31 3 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 09 DATA USE 1 BAROMETP 1034.6 SEA WIND-FDF DURATION 00.5 2 SQUARE 49  
 LONG 049 00 W HOUR 03.2 AREA 05 CLOUD T/A CL/TF WEATHER X2 ORIG E59 010 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P24	TOT P	N02	N03	S103	PH
03.2	DBS	00000	17.53	36.29	26.39		1516.7							
	DBS	00010	17.51	36.30	26.41		1516.8							
	DBS	00020	17.49	36.29	26.40		1516.9							
	DBS	00030	17.49	36.29	26.40		1517.0							
	DBS	00040	17.47	36.29	26.41		1517.2							
	DBS	00050	17.34	36.29	26.44		1516.9							
	DBS	00075	16.90	36.19	26.47		1515.9							
	DBS	00090	16.83	36.19	26.49		1515.0							
	DBS	00100	16.90	36.22	26.49		1516.4							
	DBS	00125	17.00	36.26	26.50		1517.1							
	DBS	00146	17.06	36.28	26.50		1517.7							
	DBS	00150	17.02	36.28	26.51		1517.6							
	DBS	00182	16.40	36.18	26.56		1516.2							
	DBS	00192	16.54	36.25	26.60		1516.8							
	DBS	00200	16.45	36.23	26.61		1516.7							
	DBS	00250	15.67	36.09	26.68		1514.9							
	DBS	00300	14.82	35.95	26.75		1512.9							
	DBS	00400	12.81	35.64	26.94		1507.6							
	DBS	00420	12.42	35.58	26.98		1506.5							
	DBS	00470	12.02	35.54	27.02		1505.4							
	DBS	00500	11.19	35.39	27.06		1503.3							
	DBS	00540	10.21	35.27	27.15		1500.4							
	DBS	00550	10.15	35.27	27.16		1500.3							
	DBS	00560	10.00	35.25	27.17		1499.4							
	DBS	00600	08.95	35.15	27.26		1496.6							
	DBS	00640	07.95	35.05	27.34		1493.3							
	DBS	00700	07.28	35.03	27.42		1491.7							
	DBS	00740	06.87	35.02	27.47		1490.7							
	DBS	00800	06.13	35.04	27.59		1488.8							
	DBS	00840	05.71	35.02	27.63		1487.8							
	DBS	00900	05.35	35.01	27.66		1487.4							
	DBS	00980	05.05	35.01	27.70		1487.4							
	DBS	01000	04.84	35.00	27.72		1486.9							
	DBS	01100	04.60	34.99	27.73		1487.5							
	DBS	01200	04.43	35.00	27.76		1488.5							
	DBS	01300	04.25	34.95	27.77		1488.4							
	DBS	01400	04.09	34.98	27.78		1490.4							
	DBS	01500	04.00	34.98	27.75		1491.7							

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REFID 31 8304 YEAR 1972 BOTDR 03180 AIF TEMP 16.6 OIP HST PER WIND-OIP 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0011 MONTH 03 SHIP EN WET BULB 15.5 14 2 2 WIND-SPD 19 TRACE DIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 10 DATA USE 1 BAROMETP 1030.6 SEA WIND-FDF DURATION 00.4 2 SQUARE 48  
 LONG 048 11 W HOUR 00.3 AREA 05 CLOUD T/A CL/TF WEATHER X1 ORIG E69 011 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P24	TOT P	N02	N03	S103	PH
00.3	DBS	00000	17.64	36.32	26.39		1517.0							
	DBS	00010	17.61	36.32	26.40		1517.1							
	DBS	00020	17.60	36.33	26.41		1517.3							
	DBS	00030	17.56	36.34	26.42		1517.3							
	DBS	00050	17.56	36.34	26.42		1517.6							
	DBS	00075	17.66	36.38	26.43		1514.4							
	DBS	00090	17.51	36.36	26.45		1518.2							
	DBS	00100	17.06	36.23	26.46		1516.9							
	DBS	00125	16.64	36.14	26.49		1515.9							
	DBS	00150	16.01	35.96	26.50		1514.2							
	DBS	00160	15.98	35.96	26.51		1514.2							
	DBS	00175	16.62	36.19	26.53		1516.7							
	DBS	00165	16.54	36.17	26.54		1516.6							
	DBS	00200	16.81	36.24	26.57		1517.8							
	DBS	00230	16.81	36.30	26.57		1518.3							
	DBS	00250	16.61	36.26	26.59		1518.0							
	DBS	00300	16.06	36.18	26.65		1517.1							
	DBS	00330	15.61	36.06	26.67		1516.0							
	DBS	00358	14.69	35.92	26.77		1513.4							
	DBS	00380	14.84	35.97	26.77		1514.3							
	DBS	00400	14.21	35.83	26.80		1512.4							
	DBS	00460	12.92	35.65	26.93		1509.0							
	DBS	00500	12.39	35.57	26.97		1507.7							
	DBS	00600	10.17	35.28	27.16		1501.2							
	DBS	00660	08.84	35.15	27.26		1497.1							
	DBS	00682	08.78	35.19	27.32		1497.3							
	DBS	00700	08.48	35.16	27.35		1496.5							
	DBS	00743	07.19	35.02	27.43		1492.0							
	DBS	00780	06.50	35.09	27.52		1491.0							
	DBS	00800	07.00	35.15	27.54		1492.4							
	DBS	00830	06.73	35.11	27.56		1491.0							
	DBS	00850	06.05	35.02	27.58		1489.3							
	DBS	00900	05.43	35.00	27.65		1487.6							
	DBS	00915	05.24	35.00	27.66		1487.3							
	DBS	01000	05.03	35.00	27.69		1487.7							
	DBS	01100	04.71	35.00	27.73		1488.0							
	DBS	01160	04.53	35.00	27.74		1488.7							
	DBS	01200	04.49	34.99	27.75		1488.8							
	DBS	01300	04.29	34.99	27.77		1489.6							
	DBS	01400	04.15	34.97	27.77		1490.7							
	DBS	01490	04.08	34.97	27.78		1491.9							

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TABLE XLVIII.--Continued

REFID 31 8304 YEAR 1972 BOTOP 04823 AIR TEMP 19.3 OIR HGT PER WIND-DIP 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0012 MONTH 03 SHIP EN WET BULB 17.1 14 2 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 10 DATA USE 1 BAROMETR 1028.2 SEA WIND-FDP DURATION 00.9 2 SQUARE 48  
 LONG 048 07 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIS E69 012 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TCT P	N02	N03	S133	PH
12.3	OBS	00000	17.39	36.31	26.44		1516.3							
	OBS	00010	17.41	36.31	26.44		1516.5							
	OBS	00020	17.39	36.31	26.44		1516.6							
	OBS	00030	17.36	36.31	26.45		1516.7							
	OBS	00050	17.37	36.31	26.45		1517.0							
	OBS	00075	17.09	36.28	26.49		1516.6							
	OBS	00080	17.07	36.28	26.50		1516.6							
	OBS	00100	17.16	36.33	26.51		1517.3							
	OBS	00125	16.96	36.29	26.53		1517.0							
	OBS	00150	16.84	36.31	26.57		1517.1							
	OBS	00200	16.29	36.20	26.62		1516.1							
	OBS	00250	16.06	36.19	26.67		1516.2							
	OBS	00300	15.17	36.00	26.72		1514.1							
	OBS	00400	13.66	35.78	26.88		1510.6							
	OBS	00500	11.76	35.49	27.03		1505.5							
	OBS	00600	09.41	35.20	27.23		1498.3							
	OBS	00660	08.20	35.10	27.34		1494.7							
	OBS	00700	07.84	35.09	27.39		1493.9							
	OBS	00740	06.90	35.03	27.48		1490.9							
	OBS	00800	06.32	35.01	27.54		1489.6							
	OBS	00840	05.77	35.01	27.61		1488.0							
	OBS	00900	05.39	35.01	27.66		1487.5							
	OBS	01000	04.97	35.01	27.71		1487.4							
	OBS	01100	04.67	34.99	27.73		1487.8							
	OBS	01200	04.49	34.99	27.75		1488.8							
	OBS	01300	04.34	34.98	27.76		1489.8							
	OBS	01400	04.21	34.98	27.77		1490.9							
	OBS	01500	04.13	34.98	27.78		1492.3							
	OBS	01750	03.92	34.98	27.80		1495.6							
	OBS	01940	03.86	34.97	27.80		1498.6							
	OBS	02000	03.76	34.97	27.81		1499.2							
	OBS	02140	03.66	34.97	27.82		1501.1							
	OBS	02500	03.31	34.96	27.85		1505.8							
	OBS	02600	03.24	34.96	27.85		1507.2							
	OBS	02980	02.79	34.93	27.87		1511.8							

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REFID 31 8304 YEAR 1972 BOTOP 04790 AIR TEMP 17.6 OIR HGT PER WIND-DIP 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 03 SHIP EN WET BULB 17.0 16 2 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 11 DATA USE 1 BAROMETR 1027.8 SEA WIND-FDP DURATION 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER XI CRIS E69 013 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P04	TCT P	N02	N03	S133	PH
00.3	OBS	00000	17.63	36.33	26.40		1517.0							
	OBS	00010	17.61	36.33	26.40		1517.1							
	OBS	00020	17.44	36.30	26.42		1516.7							
	OBS	00030	17.36	36.29	26.43		1516.7							
	OBS	00040	17.28	36.29	26.45		1516.6							
	OBS	00050	17.28	36.29	26.45		1516.8							
	OBS	00062	17.28	36.29	26.45		1517.0							
	OBS	00068	17.10	36.26	26.47		1516.5							
	OBS	00075	17.10	36.26	26.47		1516.6							
	OBS	00100	17.08	36.27	26.49		1517.0							
	OBS	00125	17.04	36.28	26.50		1517.3							
	OBS	00150	17.02	36.28	26.51		1517.6							
	OBS	00160	17.11	36.33	26.53		1518.1							
	OBS	00180	16.86	36.31	26.57		1517.7							
	OBS	00192	16.88	36.32	26.57		1517.9							
	OBS	00200	16.82	36.31	26.58		1517.9							
	OBS	00250	16.26	36.21	26.63		1516.9							
	OBS	00300	15.78	36.13	26.68		1516.1							
	OBS	00400	13.96	35.81	26.84		1511.6							
	OBS	00500	12.04	35.54	27.02		1506.5							
	OBS	00520	11.82	35.48	27.01		1506.0							
	OBS	00600	09.55	35.22	27.22		1498.9							
	OBS	00661	08.16	35.08	27.33		1494.5							
	OBS	00700	07.91	35.12	27.40		1494.2							
	OBS	00740	06.86	35.00	27.46		1490.7							
	OBS	00800	06.39	35.03	27.55		1489.9							
	OBS	00830	05.84	35.00	27.59		1488.1							
	OBS	00900	05.39	35.01	27.66		1487.5							
	OBS	01000	05.00	35.00	27.70		1487.5							
	OBS	01040	04.81	34.99	27.71		1487.4							
	OBS	01100	04.64	34.99	27.73		1487.7							
	OBS	01200	04.48	34.99	27.75		1488.7							
	OBS	01300	04.32	34.99	27.77		1489.7							
	OBS	01346	04.31	34.98	27.76		1490.4							
	OBS	01358	04.23	34.98	27.77		1490.3							
	OBS	01400	04.19	34.98	27.77		1490.8							
	OBS	01490	04.13	34.98	27.78		1492.1							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTOP 04356 AIR TEMP 19.5 DIR HGT PEP WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 03 SHIP EN WET BULB 17.5 15 3 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1026.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 048 02 W HOUR 12.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIS E59 C14 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
12.5	085	00000	17.79	36.34	26.37		1517.3							
	085	00010	17.69	36.35	26.40		1517.4							
	085	00020	17.67	36.35	26.40		1517.5							
	085	00030	17.58	36.34	26.42		1517.4							
	085	00050	17.52	36.33	26.43		1517.5							
	085	00075	17.34	36.33	26.47		1517.4							
	085	00100	17.31	36.33	26.48		1517.7							
	085	00125	17.22	36.32	26.49		1517.8							
	085	00150	17.16	36.31	26.50		1518.1							
	085	00200	16.88	36.32	26.57		1518.1							
	085	00250	16.43	36.25	26.63		1517.4							
	085	00300	15.50	36.07	26.70		1515.2							
	085	00400	13.77	35.77	26.85		1510.9							
	085	00419	13.50	35.75	26.85		1510.3							
	085	00425	13.56	35.78	26.90		1510.7							
	085	00500	11.77	35.48	27.02		1505.5							
	085	00600	09.78	35.24	27.20		1499.7							
	085	00687	08.02	35.03	27.31		1494.3							
	085	00700	07.71	35.07	27.39		1493.4							
	085	00720	07.66	35.10	27.42		1493.6							
	085	00750	06.76	34.99	27.46		1490.4							
	085	00775	06.69	35.02	27.50		1490.6							
	085	00800	06.36	35.02	27.54		1489.7							
	085	00840	05.83	34.99	27.59		1488.2							
	085	00900	05.38	35.00	27.65		1487.4							
	085	01000	04.99	35.00	27.70		1487.5							
	085	01100	04.61	34.99	27.73		1487.6							
	085	01200	04.40	34.98	27.75		1488.4							
	085	01300	04.24	34.98	27.77		1489.4							
	085	01400	04.09	34.97	27.77		1490.4							
	085	01489	04.02	34.98	27.79		1491.6							

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REFID 31 8304 YEAR 1972 BOTOP 02087 AIR TEMP 18.8 DIR HGT PEP WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0015 MONTH 03 SHIP EN WET BULB 17.3 16 3 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 11 N DAY 12 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 12.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 DRIG E69 015 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNDRPH	SND VEL	OXYG	P34	TOT P	NO2	NO3	S133	PH
12.2	085	00000	17.84	36.36	26.37		1517.7							
	085	00010	17.78	36.35	26.38		1517.6							
	085	00020	17.76	36.36	26.39		1517.8							
	085	00030	17.73	36.35	26.39		1517.8							
	085	00050	17.54	36.33	26.42		1517.6							
	085	00075	17.31	36.31	26.46		1517.3							
	085	00100	17.23	36.30	26.47		1517.4							
	085	00125	17.20	36.30	26.48		1517.8							
	085	00150	17.23	36.31	26.48		1518.3							
	085	00175	17.27	36.34	26.49		1518.8							
	085	00200	17.05	36.32	26.53		1518.6							
	085	00250	16.61	36.26	26.59		1518.0							
	085	00300	15.93	36.14	26.66		1516.6							
	085	00400	13.96	35.81	26.84		1511.6							
	085	00500	12.04	35.51	27.00		1506.5							
	085	00575	10.11	35.28	27.17		1500.6							
	085	00600	09.25	35.19	27.25		1497.7							
	085	00670	08.19	35.13	27.37		1494.8							
	085	00700	07.17	35.00	27.42		1491.2							
	085	00705	06.99	35.01	27.45		1490.6							
	085	00758	06.64	35.04	27.52		1490.2							
	085	00765	06.79	35.09	27.54		1490.9							
	085	00777	06.75	35.10	27.55		1491.0							
	085	00790	06.92	35.14	27.56		1491.9							
	085	00800	06.84	35.14	27.57		1491.8							
	085	00850	05.95	35.04	27.61		1488.9							
	085	00900	05.35	35.00	27.65		1487.3							
	085	01000	05.02	35.01	27.70		1487.6							
	085	01040	04.82	35.00	27.72		1487.5							
	085	01100	04.70	34.99	27.72		1488.0							
	085	01140	04.66	34.99	27.73		1488.5							
	085	01173	04.46	34.98	27.74		1488.2							
	085	01200	04.44	34.99	27.75		1488.5							
	085	01300	04.32	34.98	27.76		1489.7							
	085	01400	04.21	34.98	27.77		1490.9							
	085	01500	04.06	34.97	27.78		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTOP 04812 AIR TEMP 10.9 DIR HGT PER WIND-DIR 35 INST STO RECORDER TEN SQ 1206  
 CONSEC 0016 MONTH 03 SHIP EN MET BULB 07.9 35 4 2 WIND-SPD 17 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 14 DATA USE 1 BAROMETR 1022.5 SEA WIND-FOR OURATION 00.6 2 SQUARE 48  
 LONG 048 03 W HOUR 12.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 016 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.8	OBS	00000	17.36	36.34	26.47		1516.2							
	OBS	00010	17.37	36.34	26.47		1516.4							
	OBS	00020	17.38	36.33	26.46		1516.6							
	OBS	00030	17.39	36.34	26.47		1516.8							
	OBS	00050	17.39	36.34	26.47		1517.1							
	OBS	00060	17.39	36.33	26.46		1517.3							
	OBS	00075	17.04	36.30	26.52		1516.5							
	OBS	00100	16.89	36.31	26.52		1516.4							
	OBS	00125	16.75	36.29	26.58		1516.4							
	OBS	00150	16.70	36.29	26.59		1516.7							
	OBS	00200	16.43	36.24	26.62		1516.6							
	OBS	00250	16.25	36.22	26.64		1516.9							
	OBS	00282	16.23	36.22	26.65		1517.0							
	OBS	00300	15.83	36.14	26.68		1516.3							
	OBS	00340	15.33	36.04	26.72		1515.3							
	OBS	00400	14.08	35.84	26.84		1512.0							
	OBS	00500	12.27	35.56	26.98		1507.3							
	OBS	00540	11.40	35.46	27.04		1505.5							
	OBS	00600	09.64	35.21	27.20		1499.2							
	OBS	00640	08.63	35.12	27.29		1499.0							
	OBS	00690	07.87	35.10	27.39		1495.9							
	OBS	00700	07.86	35.11	27.40		1494.0							
	OBS	00718	07.77	35.11	27.41		1494.0							
	OBS	00753	06.84	35.03	27.49		1490.9							
	OBS	00790	06.96	35.12	27.54		1492.1							
	OBS	00800	06.85	35.10	27.54		1491.8							
	OBS	00850	05.89	35.01	27.60		1488.7							
	OBS	00900	05.42	34.98	27.63		1487.6							
	OBS	00940	05.17	35.00	27.68		1487.2							
	OBS	01000	04.93	34.99	27.70		1487.2							
	OBS	01100	04.58	34.98	27.73		1487.4							
	OBS	01200	04.44	34.98	27.74		1488.5							
	OBS	01300	04.29	34.97	27.75		1489.6							
	OBS	01400	04.12	34.96	27.76		1490.5							
	OBS	01480	04.03	34.96	27.77		1491.5							

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REFID 31 8304 YEAR 1972 BOTOP 03898 AIR TEMP 15.7 DIR HGT PER WIND-DIR 15 INST STO RECORDER TEN SQ 1206  
 CONSEC 0017 MONTH 03 SHIP EN MET BULB 11.9 16 3 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 2  
 LAT 34 53 N DAY 17 DATA USE 1 BAROMETR 1024.6 SEA WIND-FOR OURATION 03.5 2 SQUARE 48  
 LONG 048 24 W HOUR 00.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E69 017 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.2	OBS	00000	17.57	36.32	26.41		1516.8							
	OBS	00010	17.57	36.32	26.41		1517.0							
	OBS	00020	17.57	36.32	26.41		1517.2							
	OBS	00030	17.57	36.32	26.41		1517.3							
	OBS	00050	17.57	36.32	26.41		1517.6							
	OBS	00075	17.57	36.32	26.41		1518.1							
	OBS	00100	17.55	36.31	26.40		1518.4							
	OBS	00125	17.42	36.33	26.45		1518.4							
	OBS	00140	17.12	36.25	26.44		1517.7							
	OBS	00150	17.26	36.31	26.47		1518.4							
	OBS	00165	17.35	36.35	26.48		1518.9							
	OBS	00180	17.14	36.30	26.50		1518.5							
	OBS	00200	17.16	36.32	26.51		1518.9							
	OBS	00210	16.93	36.27	26.52		1518.3							
	OBS	00235	16.90	36.31	26.56		1518.7							
	OBS	00250	16.79	36.30	26.58		1518.6							
	OBS	00300	16.20	36.19	26.63		1517.5							
	OBS	00400	14.52	35.87	26.76		1513.5							
	OBS	00480	13.51	35.75	26.89		1511.4							
	OBS	00500	12.91	35.64	26.92		1509.6							
	OBS	00540	11.59	35.46	27.04		1505.5							
	OBS	00600	10.32	35.31	27.16		1501.8							
	OBS	00700	08.23	35.09	27.33		1495.4							
	OBS	00715	08.22	35.10	27.34		1495.6							
	OBS	00730	07.71	35.06	27.38		1493.9							
	OBS	00800	06.41	34.99	27.51		1489.9							
	OBS	00900	05.38	34.98	27.64		1487.4							
	OBS	00940	05.14	34.97	27.66		1487.1							
	OBS	01000	04.99	34.98	27.68		1487.5							
	OBS	01040	04.82	34.98	27.70		1487.4							
	OBS	01100	04.70	34.98	27.72		1487.9							
	OBS	01170	04.44	34.96	27.73		1488.0							
	OBS	01200	04.31	34.94	27.73		1487.9							
	OBS	01210	04.25	34.94	27.73		1487.9							
	OBS	01270	04.23	34.96	27.75		1488.8							
	OBS	01300	04.26	34.96	27.75		1489.4							
	OBS	01330	04.33	34.98	27.76		1490.3							
	OBS	01400	04.18	34.96	27.76		1490.8							
	OBS	01474	04.02	34.96	27.77		1491.4							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BDTOP 03273 AIP TEMP 17.4 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 03 SHIP EN WET BULB 16.1 20 4 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1022.1 SFC WIND-FDR DURATION 00.5 2 SQUARE 46  
 LONG 047 45 W HOUR 01.5 AREA 05 CLOUD T/A CL/TF WEATHER XI ORIG E69 019 1 SQUARE 57

CASSTNUM/TIME	LVLTYE	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TCT P	NO2	NO3	S103	PH
13.5	DRS	0007	17.57	36.31	26.45		1516.2							
	DRS	0011	17.55	36.31	26.44		1516.4							
	DRS	0015	17.37	36.31	26.45		1516.6							
	DRS	0019	17.37	36.31	26.45		1516.7							
	DRS	0023	17.36	36.31	26.45		1517.0							
	DRS	0027	17.37	36.32	26.45		1517.9							
	DRS	0031	17.37	36.32	26.45		1517.5							
	DRS	0035	17.36	36.31	26.45		1518.0							
	DRS	0039	17.06	36.28	26.46		1517.3							
	DRS	0043	16.82	36.26	26.46		1517.0							
	DRS	0047	16.75	36.26	26.46		1517.2							
	DRS	0051	16.59	36.25	26.46		1517.1							
	DRS	0055	16.52	36.24	26.46		1517.5							
	DRS	0059	16.47	36.23	26.46		1517.3							
	DRS	0103	15.50	36.13	26.47		1516.2							
	DRS	0107	15.81	36.12	26.47		1516.2							
	DRS	0111	15.10	35.98	26.47		1516.3							
	DRS	0115	14.23	35.84	26.48		1516.5							
	DRS	0119	12.91	35.64	26.48		1509.9							
	DRS	0123	11.91	35.44	27.00		1505.7							
	DRS	0127	11.79	35.49	27.03		1505.6							
	DRS	0131	11.00	35.36	27.07		1503.0							
	DRS	0135	09.44	35.18	27.21		1498.4							
	DRS	0139	09.00	35.14	27.25		1497.4							
	DRS	0143	08.28	35.08	27.31		1494.8							
	DRS	0147	08.14	35.07	27.35		1494.7							
	DRS	0151	07.79	35.05	27.37		1493.7							
	DRS	0155	06.11	35.01	27.57		1488.7							
	DRS	0159	05.65	34.99	27.61		1487.7							
	DRS	0203	05.32	34.99	27.65		1487.2							
	DRS	0207	04.85	34.98	27.70		1486.9							
	DRS	0211	04.58	34.97	27.74		1487.4							
	DRS	0215	04.41	34.97	27.74		1486.4							
	DRS	0219	04.21	34.96	27.75		1489.2							
	DRS	0223	04.11	34.96	27.76		1490.5							
	DRS	0227	04.05	34.96	27.77		1491.4							

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REFID 31 8304 YEAR 1972 BDTOP 04243 AIP TEMP 18.6 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 03 SHIP EN WET BULB 17.0 21 3 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 18 DATA USE 1 BAROMETR 1022.0 SFC WIND-FDR DURATION 00.4 2 SQUARE 46  
 LONG 047 52 W HOUR 01.5 AREA 05 CLOUD T/A CL/TF WEATHER XI ORIG E69 019 1 SQUARE 57

CASSTNUM/TIME	LVLTYE	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	P34	TCT P	NO2	NO3	S103	PH
01.5	DRS	0000	17.45	36.28	26.40		1516.4							
	DRS	0010	17.44	36.28	26.41		1516.6							
	DRS	0020	17.44	36.28	26.41		1516.7							
	DRS	0030	17.44	36.28	26.41		1516.9							
	DRS	0040	17.44	36.28	26.41		1517.1							
	DRS	0050	17.35	36.29	26.44		1517.0							
	DRS	0100	17.34	36.30	26.45		1517.4							
	DRS	0110	17.40	36.33	26.46		1518.0							
	DRS	0120	17.41	36.35	26.47		1518.4							
	DRS	0130	17.35	36.34	26.47		1518.3							
	DRS	0140	17.36	36.36	26.49		1518.7							
	DRS	0150	17.33	36.37	26.50		1519.1							
	DRS	0200	17.11	36.35	26.54		1518.8							
	DRS	0210	16.84	36.32	26.58		1518.8							
	DRS	0220	16.14	36.17	26.63		1517.3							
	DRS	0230	13.97	35.81	26.84		1511.6							
	DRS	0240	11.93	35.51	27.02		1506.1							
	DRS	0250	09.97	35.24	27.16		1499.8							
	DRS	0300	09.33	35.18	27.22		1498.0							
	DRS	0310	07.41	35.02	27.40		1492.2							
	DRS	0320	06.19	35.02	27.56		1489.0							
	DRS	0330	05.80	35.00	27.60		1488.0							
	DRS	0340	05.44	35.00	27.64		1487.7							
	DRS	0350	05.04	34.99	27.68		1487.7							
	DRS	0400	04.63	34.97	27.72		1487.6							
	DRS	0410	04.49	34.97	27.73		1488.7							
	DRS	0420	04.35	34.97	27.75		1489.7							
	DRS	0430	04.17	34.96	27.76		1490.7							
	DRS	0440	04.06	34.96	27.77		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 ROTDP 03749 AIR TEMP 17.6 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1236  
 CGNSEC 0020 MONTH 03 SHIP EN WET BULB 16.9 28 3 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 16 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 41 W HOUR 13.9 AREA 05 CLOUD T/A CL/TR WEATHER X0 CRIG E69 020 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
13.9	OBS	00000	17.51	36.29	26.40		1516.6							
	OBS	00010	17.51	36.29	26.40		1516.8							
	OBS	00020	17.49	36.29	26.40		1516.9							
	OBS	00030	17.49	36.29	26.40		1517.0							
	OBS	00050	17.46	36.29	26.41		1517.3							
	OBS	00075	17.45	36.29	26.41		1517.7							
	OBS	00100	17.45	36.29	26.41		1518.1							
	OBS	00112	17.44	36.29	26.41		1518.2							
	OBS	00125	17.29	36.28	26.44		1518.0							
	OBS	00150	17.16	36.29	26.48		1518.0							
	OBS	00167	17.13	36.28	26.48		1518.2							
	OBS	00200	16.20	36.09	26.56		1515.7							
	OBS	00215	16.49	36.19	26.57		1517.0							
	OBS	00230	16.48	36.18	26.56		1517.2							
	OBS	00250	16.19	36.14	26.60		1516.6							
	OBS	00300	15.43	36.02	26.68		1514.9							
	OBS	00340	14.96	35.95	26.73		1514.0							
	OBS	00400	14.04	35.81	26.82		1511.9							
	OBS	00434	13.49	35.71	26.86		1510.5							
	OBS	00450	13.44	35.72	26.88		1510.6							
	OBS	00500	12.30	35.50	26.94		1507.3							
	OBS	00600	10.11	35.26	27.15		1501.0							
	OBS	00700	08.16	35.09	27.34		1495.2							
	OBS	00750	07.33	35.07	27.45		1492.8							
	OBS	00755	07.47	35.09	27.44		1493.4							
	OBS	00800	06.40	35.00	27.52		1489.9							
	OBS	00900	05.63	34.98	27.60		1488.4							
	OBS	00940	05.31	34.98	27.64		1487.8							
	OBS	01000	05.04	34.98	27.68		1487.7							
	OBS	01065	04.80	34.97	27.70		1487.8							
	OBS	01100	04.81	34.98	27.70		1488.4							
	OBS	01200	04.52	34.97	27.73		1488.9							
	OBS	01300	04.25	34.95	27.74		1489.4							
	OBS	01400	04.12	34.95	27.76		1490.5							
	OBS	01500	04.07	34.96	27.77		1492.0							

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REFID 31 8704 YEAR 1972 ROTDP 04736 AIR TEMP 17.2 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1236  
 CGNSEC 0021 MONTH 03 SHIP EN WET BULB 15.6 17 3 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 19 DATA USE 1 BAROMETR 1025.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 55 W HOUR 12.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG F69 021 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIG3	PH
12.9	OBS	00000	17.69	36.315	26.37		1517.2							
12.9	OBS	00046	17.58	36.330	26.41		1517.6							
12.9	OBS	00093	17.59											
12.9	OBS	00139	17.12	36.275	26.48		1517.7							
12.9	OBS	00186	17.07	36.238	26.46		1518.3							
12.9	OBS	00233	16.42											
12.9	OBS	00279	16.06	36.178	26.66		1516.7							
12.9	OBS	00372	14.30	35.853	26.80		1512.3							
12.9	OBS	00466		35.625										
12.9	OBS	00559	10.60	35.379	27.16		1502.2							
12.9	OBS	00652	08.37	35.120	27.33		1495.2							
12.9	OBS	00746	06.97	35.081	27.51		1491.3							
12.9	OBS	00915	05.19	34.993	27.67		1486.9							
12.9	OBS	01099	04.14	34.960	27.76		1490.6							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 SCTDP 04700 AIP TEMP 17.1 DIR HGT PER WIND-DIR 05 INST STO RECORDEP TEN SQ 1206  
 CONSEC 0022 MONTH 03 SHIP EN WET BULB 14.0 WIND-SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1016.8 SEA WIND-FDF DURATION 09.6 2 SQUARE 48  
 LONG 048 10 W HOUR 12.2 AFEA 05 CLOUD T/A CL/TR WEATHER XI ORIG E69 022 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	S133	PH
12.2	085	00000	17.41	36.26	26.40		1516.3							
	085	00010	17.39	36.26	26.40		1516.4							
	085	00020	17.36	36.26	26.41		1516.5							
	085	00030	17.39	36.27	26.41		1516.7							
	085	00040	17.40	36.30	26.42		1517.1							
	085	00050	17.35	36.29	26.44		1517.0							
	085	00075	17.17	36.27	26.46		1516.8							
	085	00100	17.13	36.27	26.47		1517.1							
	085	00115	17.27	36.33	26.49		1517.8							
	085	00125	17.22	36.34	26.51		1517.9							
	085	00150	17.17	36.34	26.52		1518.1							
	085	00200	16.68	36.26	26.57		1517.4							
	085	00250	16.28	36.20	26.62		1516.9							
	085	00300	15.36	36.03	26.70		1514.7							
	085	00360	14.13	35.81	26.80		1511.5							
	085	00400	13.87	35.79	26.84		1511.3							
	085	00500	12.13	35.52	26.90		1506.8							
	085	00600	09.75	35.22	27.15		1499.6							
	085	00700	07.77	35.04	27.36		1493.6							
	085	00800	06.28	34.99	27.53		1489.4							
	085	00930	05.95	34.99	27.57		1488.5							
	085	00900	05.44	34.98	27.63		1487.6							
	085	01000	04.99	34.95	27.65		1487.5							
	085	01100	04.70	34.98	27.72		1487.9							
	085	01200	04.57	34.98	27.73		1489.1							
	085	01300	04.39	34.97	27.74		1490.0							
	085	01400	04.20	34.96	27.75		1490.9							
	085	01500	04.11	34.96	27.76		1492.2							
	085	01750	03.90	34.96	27.74		1495.5							
	085	02000	03.70	34.95	27.80		1498.9							
	085	02500	03.29	34.94	27.83		1505.7							
	085	03000	02.88	34.92	27.65		1512.5							

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REFID 31 8304 YEAR 1972 SCTDP 04799 AIP TEMP 16.5 DIR HGT PER WIND-DIR 05 INST STO RECORDEP TEN SQ 1206  
 CONSEC 0023 MONTH 03 SHIP EN WET BULB 14.0 WIND-SPO 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 21 DATA USE 1 BAROMETR 1016.0 SEA WIND-FDF DURATION 00.3 2 SQUARE 48  
 LONG 048 12 W HOUR 00.3 AFEA 05 CLOUD T/A CL/TR WEATHER XI ORIG F69 023 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	S133	PH
00.3	085	00000	17.46	36.27	26.39		1516.4							
	085	00010	17.47	36.27	26.39		1516.6							
	085	00020	17.36	36.26	26.41		1516.5							
	085	00030	17.29	36.26	26.43		1516.4							
	085	00050	17.23	36.26	26.44		1516.6							
	085	00075	17.20	36.26	26.45		1516.9							
	085	00100	17.11	36.29	26.46		1517.1							
	085	00125	17.14	36.31	26.50		1517.6							
	085	00150	17.12	36.33	26.52		1518.0							
	085	00160	17.01	36.33	26.55		1517.8							
	085	00180	17.01	36.33	26.55		1518.1							
	085	00200	16.80	36.30	26.56		1517.8							
	085	00220	16.54	36.25	26.60		1517.3							
	085	00250	16.42	36.23	26.61		1517.4							
	085	00300	15.71	36.09	26.67		1515.9							
	085	00330	15.13	36.00	26.73		1514.6							
	085	00380	14.68	35.93	26.76		1513.7							
	085	00400	14.40	35.89	26.81		1513.1							
	085	00500	12.89	35.65	26.94		1509.5							
	085	00550	11.94	35.52	27.02		1506.9							
	085	00600	10.46	35.24	27.11		1502.3							
	085	00660	09.47	35.18	27.20		1499.5							
	085	00700	08.17	35.08	27.33		1495.2							
	085	00725	08.05	35.08	27.36		1495.1							
	085	00740	07.53	35.03	27.39		1493.3							
	085	00800	06.76	34.99	27.46		1491.3							
	085	00850	06.14	34.99	27.55		1489.6							
	085	00900	05.72	34.99	27.60		1488.8							
	085	00950	05.26	34.98	27.65		1487.7							
	085	01000	05.13	34.95	27.67		1488.0							
	085	01100	04.66	34.96	27.70		1487.7							
	085	01155	04.47	34.95	27.72		1487.9							
	085	01175	04.58	34.98	27.73		1488.7							
	085	01200	04.59	34.98	27.73		1489.2							
	085	01215	04.36	34.94	27.72		1488.4							
	085	01248	04.35	34.94	27.72		1488.9							
	085	01280	04.24	34.95	27.74		1489.0							
	085	01300	04.28	34.95	27.74		1489.5							
	085	01320	04.36	34.97	27.75		1490.2							
	085	01400	04.24	34.96	27.75		1491.0							
	085	01500	04.05	34.95	27.76		1491.9							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BOTOP 04810 AIR TEMP 17.5 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0024 MONTH 03 SHIP EN WET BULB 14.7 00 0 X WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 49 N DAY 21 DATA USE 1 BAROMETR 1012.3 SEA WIND-FJR DURATION 00.4 2 SQUARE 4R  
 LONG 048 09 W HOUR 12.7 AREA 05 CLOUD T/A CL/TP WEATHER X1 ORIG E69 024 1 SQUARE 4R

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TGT P	NO2	NO3	S103	PH
12.7	OBS	00000	17.51	36.26	26.37		1516.6							
	OBS	00010	17.49	36.26	26.38		1516.7							
	OBS	00020	17.46	36.27	26.39		1516.8							
	OBS	00030	17.40	36.26	26.40		1516.7							
	OBS	00050	17.31	36.26	26.42		1516.8							
	OBS	00075	17.33	36.28	26.43		1517.3							
	OBS	00085	17.14	36.24	26.45		1516.9							
	OBS	00100	17.08	36.25	26.47		1516.9							
	OBS	00125	17.03	36.27	26.50		1517.2							
	OBS	00150	17.19	36.34	26.51		1518.2							
	OBS	00180	17.12	36.34	26.53		1518.5							
	OBS	00200	16.87	36.29	26.55		1518.0							
	OBS	00250	16.31	36.20	26.62		1517.0							
	OBS	00300	15.74	36.10	26.67		1516.0							
	OBS	00340	15.04	35.97	26.73		1514.3							
	OBS	00400	13.95	35.79	26.83		1511.5							
	OBS	00472	12.88	35.64	26.93		1509.0							
	OBS	00500	12.18	35.52	26.98		1506.9							
	OBS	00600	09.76	35.23	27.19		1499.7							
	OBS	00670	08.02	35.06	27.34		1494.1							
	OBS	00700	07.78	35.04	27.36		1493.6							
	OBS	00730	07.16	35.01	27.42		1491.7							
	OBS	00760	07.07	35.03	27.45		1491.9							
	OBS	00770	06.72	35.04	27.51		1490.7							
	OBS	00790	06.80	35.07	27.52		1491.4							
	OBS	00800	06.71	35.05	27.52		1491.1							
	OBS	00820	06.08	34.98	27.55		1488.9							
	OBS	00900	05.52	35.00	27.63		1488.0							
	OBS	01000	05.10	34.99	27.68		1487.9							
	OBS	01100	04.77	34.98	27.71		1488.2							
	OBS	01200	04.56	34.98	27.73		1489.0							
	OBS	01250	04.51	34.99	27.74		1489.7							
	OBS	01280	04.44	34.98	27.74		1489.9							
	OBS	01300	04.31	34.97	27.75		1489.7							
	OBS	01400	04.25	34.97	27.76		1491.1							
	OBS	01500	04.13	34.97	27.77		1492.3							

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REFID 31 8304 YEAR 1972 BOTOP 04623 AIR TEMP 17.0 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1206  
 CONSEC 0025 MONTH 03 SHIP EN WET BULB 15.6 20 3 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 22 DATA USE 1 BAROMETR 1007.6 SEA WIND-FJR DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 00.9 AREA 05 CLOUD T/A CL/TP WEATHER X2 ORIG F69 025 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TGT P	NO2	NO3	S103	PH
00.9	OBS	00000	17.48	36.26	26.38		1516.5							
	OBS	00010	17.35	36.26	26.41		1516.3							
	OBS	00020	17.35	36.29	26.44		1516.5							
	OBS	00030	17.36	36.29	26.43		1516.7							
	OBS	00050	17.36	36.31	26.45		1517.0							
	OBS	00075	17.32	36.30	26.45		1517.3							
	OBS	00100	17.32	36.33	26.47		1517.7							
	OBS	00125	17.16	36.30	26.49		1517.6							
	OBS	00150	16.97	36.28	26.52		1517.5							
	OBS	00200	16.56	36.25	26.59		1517.1							
	OBS	00250	15.83	36.11	26.66		1515.4							
	OBS	00270	15.32	36.01	26.70		1514.1							
	OBS	00300	15.06	35.98	26.73		1513.7							
	OBS	00400	13.60	35.73	26.85		1510.3							
	OBS	00500	11.74	35.45	27.01		1505.3							
	OBS	00580	09.40	35.19	27.22		1498.0							
	OBS	00600	09.24	35.17	27.23		1497.7							
	OBS	00615	08.46	35.08	27.29		1494.9							
	OBS	00650	08.19	35.08	27.33		1494.4							
	OBS	00680	07.57	35.04	27.35		1492.5							
	OBS	00700	07.43	35.04	27.41		1492.3							
	OBS	00750	07.13	35.09	27.49		1492.0							
	OBS	00800	06.57	35.07	27.55		1490.5							
	OBS	00900	05.66	35.01	27.62		1488.6							
	OBS	00925	05.35	34.99	27.65		1487.7							
	OBS	01000	05.06	35.00	27.64		1487.9							
	OBS	01100	04.78	34.98	27.71		1488.3							
	OBS	01200	04.45	34.97	27.74		1488.6							
	OBS	01300	04.31	34.96	27.74		1489.6							
	OBS	01400	04.16	34.97	27.76		1490.8							
	OBS	01500	04.07	34.96	27.77		1492.0							

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TABLE XLVIII.—Continued

REFID 31 8304 YEAR 1972 BCTP ON 750 AIR TEMP 17.1 WIND DIR 05 145T STD BECORNER TEN SQ 1206  
 CONSEC 0026 MONTH 05 SHIP EN WET BULB 14.4 WIND SPC 15 TRACE DIR 0 D 5 SQUARE 4  
 LAT 35 55 N DAY 24 DATA USE 1 HARGRETF 1013.2 SEA WIND-F K DURATION 03.4 2 SQUARE 48  
 LONG 049 05 W HLUR 16.1 AREA 05 CLOUD 74 L/TF HEATHEN 41 CRIG 559 076 1 SQUARE 54

CASNUM/TIME	EVLTP	DEPTH	TEMP	SAL	SI. W-T	SYNDRTH	SND VCL	DAYG	FO4	TUT P	NO2	NO3	SI13	PH
18.1	OBS	0000	17.09	36.27	26.49		1515.4							
	OBS	0010	17.05	36.27	26.49		1515.4							
	OBS	0020	17.03	36.27	26.50		1515.5							
	OBS	0030	17.02	36.27	26.50		1515.5							
	OBS	0050	17.00	36.27	26.50		1516.0							
	OBS	0075	17.00	36.26	26.50		1516.3							
	OBS	00100	17.00	36.26	26.50		1516.7							
	OBS	00125	17.00	36.26	26.50		1517.1							
	OBS	00150	16.99	36.26	26.50		1517.5							
	OBS	00175	16.84	36.29	26.56		1517.5							
	OBS	00200	16.57	36.14	26.55		1517.0							
	OBS	00250	16.04	36.15	26.63		1516.3							
	OBS	00270	15.56	36.04	26.67		1514.3							
	OBS	00300	15.29	36.01	26.70		1514.5							
	OBS	00350	13.57	35.80	26.53		1510.3							
	OBS	00380	13.72	35.74	26.54		1510.4							
	OBS	00400	13.20	35.69	26.50		1509.0							
	OBS	00500	11.55	35.46	27.05		1504.7							
	OBS	00520	11.06	35.39	27.05		1503.2							
	OBS	00600	09.65	35.21	27.15		1499.2							
	OBS	00640	08.59	35.11	27.25		1495.8							
	OBS	00700	07.83	35.06	27.37		1493.9							
	OBS	00770	06.98	35.08	27.51		1491.8							
	OBS	00800	06.81	35.10	27.54		1491.6							
	OBS	00828	06.26	35.07	27.59		1489.9							
	OBS	00900	05.44	35.09	27.65		1489.9							
	OBS	01000	05.45	35.17	27.70		1489.5							
	OBS	01070	05.18	35.05	27.71		1489.5							
	OBS	01100	05.17	35.06	27.72		1490.0							
	OBS	01200	04.88	35.04	27.74		1490.4							
	OBS	01250	04.70	35.03	27.75		1490.5							
	OBS	01300	04.61	35.03	27.77		1491.0							
	OBS	01400	04.41	35.01	27.77		1491.3							
	OBS	01500	04.24	35.00	27.78		1491.8							

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TABLE XLIX.—Observed and interpolated oceanographic data for stations taken by USCGC CAMPBELL at Ocean Station ECHO, 25 March 1972 - 20 April 1972, prepared from NODC listing No. 31 - 1979.

REFID 31 1979	YEAR 1972	BOTOP 04316	AIR TEMP 17.8	DIP HGT PER	WIND-DIR 29	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 03	SHIP CM	WET BULB 15.5	07 5 5	WIND-SPO 10	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 26	DATA USE 1	BAROMETR 1008.0	SEA	WIND-FGR	DURATION	2 SQUARE 48
LONG 048 00 W	HOUR 21.1	AREA 05	CLOUD T/A 8/6	CL/TR	WEATHER X1	ORIG E70 001	1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
21.1	OBS	00000	17.59											
21.1	OBS	00028	17.27											
21.1	OBS	00051	17.29											
21.1	OBS	00079	17.29											
21.1	OBS	00092	17.29											
21.1	OBS	00153	17.21											
21.1	OBS	T00204	16.85											
21.1	OBS	00306	15.69											
21.1	OBS	T00409	13.72											
21.1	OBS	00511	12.30											
21.1	OBS	T00520	12.28											

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REFID 31 1979	YEAR 1972	BOTOP 04881	AIR TEMP 14.2	DIP HGT PER	WIND-DIR 01	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 04	SHIP CM	WET BULB 11.5	39 1 5	WIND-SPO 10	TRACE DIR	5 SQUARE 2
LAT 34 47 N	DAY 01	DATA USE 1	BAROMETR 1026.9	SEA	WIND-FGR	DURATION	2 SQUARE 46
LONG 047 52 W	HOUR 13.6	AREA 05	CLOUD T/A 8/8	CL/TR	WEATHER X2	ORIG E70 002	1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.6	OBS	00000	17.21											
13.6	OBS	00025	17.16											
13.6	OBS	00050	17.18											
13.6	OBS	00075	17.19											
13.6	OBS	00100	17.20											
13.6	OBS	00151	17.20											
13.6	OBS	T00206	17.08											
13.6	OBS	00306	15.99											
13.6	OBS	T00406	14.59											
13.6	OBS	00511	13.14											
13.6	OBS	T00611	10.83											
13.6	OBS	00812	06.92											
13.6	OBS	01018	05.27											
13.6	OBS	T01532	04.04											

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REFID 31 1979	YEAR 1972	BOTOP 04247	AIR TEMP 18.2	DIP HGT PER	WIND-DIR 09	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP CM	WET BULB 16.8	09 1 2	WIND-SPO 12	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 03	DATA USE 1	BAROMETR 1023.2	SEA	WIND-FGR	DURATION	2 SQUARE 46
LONG 047 51 W	HOUR 16.3	AREA 05	CLOUD T/A 8/4	CL/TR /10	WEATHER X1	ORIG E70 003	1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
16.3	OBS	00000	17.26											
16.3	OBS	00027	17.05											
16.3	OBS	00050	17.01											
16.3	OBS	00079	17.00											
16.3	OBS	00101	16.97											
16.3	OBS	00150	16.98											
16.3	OBS	T00198	16.56											
16.3	OBS	00290	15.99											
16.3	OBS	00470	13.41											
16.3	OBS	T00557	11.66											
16.3	OBS	T00720	08.11											
16.3	OBS	T00900	05.39											
16.3	OBS	T01427	04.19											

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REFID 31 1979	YEAR 1972	BOTOP 04246	AIR TEMP 16.7	DIP HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0004	MONTH 04	SHIP CM	WET BULB 15.3	22 4 3	WIND-SPO 08	TRACE DIR	5 SQUARE 4
LAT 35 00 N	DAY 04	DATA USE 1	BAROMETR 1017.0	SEA	WIND-FGR	DURATION	2 SQUARE 46
LONG 047 56 W	HOUR 16.8	AREA 05	CLOUD T/A 6/6	CL/TR	WEATHER X6	ORIG E70 004	1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
16.8	OBS	00000	17.27											
16.8	OBS	00029	17.17											
16.8	OBS	00053	17.08											
16.8	OBS	00081	17.03											
16.8	OBS	00105	17.01											
16.8	OBS	00158	16.83											
16.8	OBS	00210	16.59											
16.8	OBS	00316	15.65											
16.8	OBS	00421	13.67											
16.8	OBS	00527	12.20											
16.8	OBS	T00632	05.80											
16.8	OBS	T00847	05.93											
16.8	OBS	01058	04.86											

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TABLE XLIX.—Continued

REFID 31 1979 YEAR 1972 BOTOP 04246 AIR TEMP 16.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 04 SHIP CM WET BULB 15.3 22 4 3 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 04 DATA USE 1 BAROMETR 1017.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 51 W HOUR 20.4 AREA 05 CLOUD T/A 6/8 CL/TR WEATHER X6 ORIG E70 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIG3	PH
20.4	OBS	T01825	03.85											
20.4	OBS	T02312	03.47											
20.4	OBS	02797	03.07											
20.4	OBS	03289	02.50											
20.4	OBS	T03779	02.30											

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REFID 31 1979 YEAR 1972 BOTOP 04206 AIR TEMP 18.5 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 04 SHIP CM WET BULB 14.0 30 1 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1023.0 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 18.9 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E70 006 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIG3	PH
18.9	OBS	00000	17.45											
18.9	OBS	00034	17.19											
18.9	OBS	00049	17.17											
18.9	OBS	00073	17.14											
18.9	OBS	00098	17.12											
18.9	OBS	00147	17.10											
18.9	OBS	T00201	17.10											
18.9	OBS	00299	16.38											
18.9	OBS	T00398	14.95											
18.9	OBS	00501	13.22											
18.9	OBS	00599	11.63											
18.9	OBS	00797	07.02											
18.9	OBS	00999	05.64											
18.9	OBS	T01502	04.16											

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REFID 31 1979 YEAR 1972 BOTOP 04368 AIR TEMP 18.0 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 04 SHIP CM WET BULB 14.5 20 1 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 06 DATA USE 1 BAROMETR 1025.4 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 53 W HOUR 17.8 AREA 05 CLOUD T/A 0/5 CL/TR /09 WEATHER X1 ORIG E70 007 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIG3	PH
17.8	OBS	00000	17.67											
17.8	OBS	00024	17.23											
17.6	OBS	00048	17.25											
17.8	OBS	00072	17.24											
17.8	OBS	00096	17.18											
17.8	OBS	00144	17.11											
17.8	OBS	00196	17.12											
17.8	OBS	00291	16.42											
17.8	OBS	00385	15.21											
17.8	OBS	00484	13.62											
17.8	OBS	T00577	11.63											
17.8	OBS	T00762	07.96											
17.8	OBS	00949	05.27											
17.6	OBS	T01410	04.20											

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REFID 31 1979 YEAR 1972 BOTOP 04297 AIR TEMP 18.5 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 04 SHIP CM WET BULB 17.0 30 4 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 07 DATA USE 1 BAROMETR 1026.6 SEA WIND-FGR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A /0 CL/TR WEATHER X0 ORIG E70 008 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIG3	PH
12.2	OBS	00000	17.47											
12.2	OBS	00026	17.26											
12.2	OBS	00047	17.24											
12.2	OBS	00073	17.19											
12.2	OBS	00094	17.23											
12.2	OBS	00141	17.16											
12.2	OBS	T00189	17.13											
12.2	OBS	00283	16.33											
12.2	OBS	T00378	15.37											
12.2	OBS	00474	13.48											
12.2	OBS	T00568	12.03											
12.2	OBS	00951	05.22											
12.2	OBS	T01425	04.22											

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TABLE XLIX.—Continued

REFID 31 1979	YEAR 1972	BOTDP 04069	AIR TEMP 19.3	DIR HGT PER 21 6 2	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206							
CONSEC 0009	MONTH 04	SHIP CM	WET BULB 18.8	SEA	WIND-SPD 14	TRACE DIR	5 SQUARE 4							
LAT 35 03 N	DAY 09	DATA USE 1	BAROMETR 1017.0	CL/TF	WIND-FUR	DURATION	2 SQUARE 46							
LONG 047 55 W	HOUR 21.5	AREA 05	CLOUD T/A 0/3	CL/TF	WEATHER X1	ORIG E70 009	1 SQUARE 57							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.5	OBS	00000	17.85											
11.5	OBS	00027	17.71											
11.5	OBS	00049	17.49											
11.5	OBS	00076	17.26											
11.5	OBS	00098	17.27											
11.5	OBS	00147	17.22											
11.5	OBS	00197	17.01											
11.5	OBS	00294	16.48											
11.5	OBS	00391	14.84											
11.5	OBS	00487	13.50											
11.5	OBS	T00582	12.00											
11.5	OBS	T00775	07.94											
11.5	OBS	00960	05.48											
11.5	OBS	T01416	04.16											
*****														
REFID 31 1979	YEAR 1972	BOTDP 04389	AIR TEMP 20.5	DIR HGT PER 19 3 2	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1206							
CONSEC 0010	MONTH 04	SHIP CM	WET BULB 18.2	SEA	WIND-SPD 15	TRACE DIR	5 SQUARE 2							
LAT 34 57 N	DAY 10	DATA USE 1	BAROMETR 1024.0	CL/TF	WIND-FUR	DURATION	2 SQUARE 48							
LONG 048 01 W	HOUR 13.4	AREA 05	CLOUD T/A 7/7	CL/TF	WEATHER X6	ORIG E70 010	1 SQUARE 48							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
13.4	OBS	00000	17.87											
13.4	OBS	00027	17.73											
13.4	OBS	00050	17.44											
13.4	OBS	00078	17.25											
13.4	OBS	00101	17.26											
13.4	OBS	00152	17.19											
13.4	OBS	00203	17.01											
13.4	OBS	00304	16.48											
13.4	OBS	00404	14.58											
13.4	OBS	00502	13.50											
13.4	OBS	T00598	11.93											
13.4	OBS	00791	08.34											
13.4	OBS	T00978	05.24											
*****														
REFID 31 1979	YEAR 1972	BOTDP 04090	AIR TEMP 18.2	DIR HGT PER 26 4 2	WIND-DIR 36	INST NANSEN CAST	TEN SQ 1206							
CONSEC 0011	MONTH 04	SHIP CM	WET BULB 16.2	SEA	WIND-SPD 04	TRACE DIR	5 SQUARE 4							
LAT 35 01 N	DAY 11	DATA USE 1	BAROMETR 1022.8	CL/TF	WIND-FUR	DURATION	2 SQUARE 46							
LONG 047 43 W	HOUR 14.9	AREA 05	CLOUD T/A 4/3	CL/TF	WEATHER X1	ORIG E70 011	1 SQUARE 57							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
14.9	OBS	00000	17.86											
14.9	OBS	00025	17.74											
14.9	OBS	00050	17.60											
14.9	OBS	00075	17.36											
14.9	OBS	00100	17.31											
14.9	OBS	00150	17.28											
14.9	OBS	T00205	16.95											
14.9	OBS	00306	16.55											
14.9	OBS	T00407	15.05											
14.9	OBS	00512	13.44											
14.9	OBS	00612	12.17											
14.9	OBS	T00814	07.49											
17.3	OBS	T02027	03.73											
17.3	OBS	02516	03.29											
17.3	OBS	T03040	02.83											
17.3	OBS	T03550	02.37											
17.3	OBS	T04054	02.25											
*****														
REFID 31 1979	YEAR 1972	BOTDP 04312	AIR TEMP 18.6	DIR HGT PER 12 1 2	WIND-DIR 12	INST NANSEN CAST	TEN SQ 1206							
CONSEC 0012	MONTH 04	SHIP CM	WET BULB 15.5	SEA	WIND-SPD 03	TRACE DIR	5 SQUARE 4							
LAT 35 03 N	DAY 12	DATA USE 1	BAROMETR 1023.4	CL/TF	WIND-FUR	DURATION	2 SQUARE 46							
LONG 047 54 W	HOUR 12.5	AREA 05	CLOUD T/A 3/5	CL/TF	WEATHER X1	ORIG E70 012	1 SQUARE 57							
CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	17.43											
12.5	OBS	00023	17.79											
12.5	OBS	00046	17.47											
12.5	OBS	00069	17.36											
12.5	OBS	00093	17.48											
12.5	OBS	00139	17.31											
12.5	OBS	00191	17.28											
12.5	OBS	00284	16.85											
12.5	OBS	T00372	15.89											
12.5	OBS	00476	14.14											
12.5	OBS	00570	12.72											
12.5	OBS	T00759	08.73											
12.5	OBS	00955	05.50											
12.5	OBS	T01452	04.26											

TABLE XLIX.—Continued

REFID 31 1979 YEAR 1972 BOTOP 04124 AIR TEMP 17.6 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 04 SHIP CM WET BULB 15.1 26 4 2 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 13 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 53 W HOUR 11.9 AREA 05 CLOUD T/A 6/7 CL/TR /11 WEATHER X1 ORIG E70 013 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
11.9	OBS	00000	18.16											
11.9	OBS	00018	18.11											
11.9	OBS	00034	17.96											
11.9	OBS	00053	17.79											
11.9	OBS	00070	17.65											
11.9	OBS	00105	17.51											
11.9	OBS	T00144	17.88											
11.9	OBS	00220	17.09											
11.9	OBS	00302	16.04											
11.9	OBS	00388	14.34											
11.9	OBS	00476	12.88											
11.9	OBS	00665	08.62											
11.9	OBS	T00857	06.57											
11.9	OBS	T01357	04.33											

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REFID 31 1979 YEAR 1972 BOTOP 04114 AIR TEMP 16.6 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 04 SHIP CM WET BULB 12.8 28 5 4 WIND-SPO 05 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 14 DATA USE 1 BAROMETR 1019.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.1 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG E70 014 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
12.1	OBS	00000	17.77											
12.1	OBS	00023	18.02											
12.1	OBS	00046	17.57											
12.1	OBS	00069	17.46											
12.1	OBS	00093	17.38											
12.1	OBS	00138	17.33											
12.1	OBS	T00189	17.34											
12.1	OBS	00279	16.77											
12.1	OBS	T00368	15.63											
12.1	OBS	00551	12.44											
12.1	OBS	T00729	08.64											
12.1	OBS	T00899	05.85											
12.1	OBS	T01367	04.35											

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REFID 31 1979 YEAR 1972 BOTOP 04206 AIR TEMP 15.5 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 04 SHIP CM WET BULB 11.0 30 6 3 WIND-SPO 04 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 16 DATA USE 1 BAROMETR 1010.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 13.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E70 015 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
13.5	OBS	00000	17.97											
13.5	OBS	00023	17.96											
13.5	OBS	00047	17.95											
13.5	OBS	00070	17.97											
13.5	OBS	00093	17.83											
13.5	OBS	00140	17.38											
13.5	OBS	T00190	17.33											
13.5	OBS	00372	16.44											
13.5	OBS	00466	15.21											
13.5	OBS	00556	13.17											
13.5	OBS	T00738	08.35											
13.5	OBS	00926	05.78											
13.5	OBS	T01406	04.26											

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REFID 31 1979 YEAR 1972 BOTOP 03867 AIR TEMP 18.0 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 04 SHIP CM WET BULB 15.6 27 5 4 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 17 DATA USE 1 BAROMETR 1008.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 44 W HOUR 20.8 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X4 ORIG E70 016 1 SQUARE 57

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TCT P	NO2	NO3	SI03	PH
20.8	OBS	00000	18.47											
20.8	OBS	00027	18.31											
20.8	OBS	00051	18.16											
20.8	OBS	00078	18.10											
20.8	OBS	00101	18.07											
20.8	OBS	00151	17.67											
20.8	OBS	T00202	17.23											
20.8	OBS	00302	16.86											
20.8	OBS	00402	15.92											
20.8	OBS	00507	14.32											
20.8	OBS	00530	13.97											
20.8	OBS	T00809	08.61											
20.8	OBS	01015	05.78											
20.8	OBS	T01582	04.15											

TABLE L.- Observed and interpolated oceanographic data for stations taken by USCGC DALLAS at Ocean Station ECHO, 20 April 1972 - 17 May 1972, prepared from NODC listing No. 31 - 8317.

REF ID	31 8317	YEAR	1972	BOTOP	04572	AIR TEMP	16.2	OIR HGT	PEH	WIND-DIR	34	INST STD RECORDER	TEN SQ	1206	
CONSEC	0001	MONTH	04	SHIP	06	WFT BULB	12.2	SEA	3 3 2	WIND-SPD	12	TRALE DIR	0	5 SQUARE	4
LAT	35 00 N	DAY	23	DATA USE	1	BAROMETR	1024.2	CLZTR		WIND-FRH		DURATION	00.3	2 SQUARE	43
LONG	048 03 W	HOOR	00.0	AREA	05	CLOUD T/A				WEATHER	XL	ORIG ETL COT		1 SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VFL	XYG	P34	TOT P	N01	N03	S133	PH
00.0	JBS	00000	17.57	36.39	26.46		1516.9							
	OBS	00010	17.57	36.39	26.46		1517.1							
	OBS	00020	17.57	36.39	26.46		1517.2							
	OBS	00030	17.56	36.39	26.46		1517.4							
	OBS	00050	17.57	36.39	26.46		1517.7							
	OBS	00075	17.57	36.39	26.46		1518.1							
	OBS	00100	17.56	36.39	26.46		1518.5							
	OBS	00125	17.55	36.38	26.46		1518.9							
	OBS	00150	17.54	36.38	26.46		1519.3							
	OBS	00175	17.53	36.38	26.46		1519.6							
	OBS	00190	17.22	36.37	26.53		1519.0							
	OBS	00200	17.23	36.37	26.53		1519.2							
	OBS	00215	17.23	36.38	26.53		1519.4							
	OBS	00250	16.88	36.32	26.57		1518.9							
	OBS	00300	16.45	36.24	26.61		1519.3							
	OBS	00400	14.94	35.97	26.75		1515.0							
	OBS	00500	13.05	35.64	26.90		1510.7							
	OBS	00600	11.10	35.42	27.10		1504.7							
	OBS	00700	08.94	35.17	27.28		1498.2							
	OBS	00745	08.43	35.13	27.33		1497.0							
	OBS	00755	08.06	35.11	27.37		1495.7							
	OBS	00800	07.22	35.09	27.48		1493.2							
	OBS	00830	06.83	35.11	27.55		1492.2							
	OBS	00850	06.94	35.13	27.55		1493.0							
	OBS	00861	06.76	35.11	27.56		1492.4							
	OBS	00900	06.53	35.11	27.59		1492.2							
	OBS	01000	05.35	35.02	27.67		1489.0							
	OBS	01030	05.22	34.99	27.66		1488.9							
	OBS	01050	04.77	34.96	27.69		1487.4							
	OBS	01100	04.69	34.98	27.72		1487.9							
	OBS	01120	04.68	34.98	27.72		1488.2							
	OBS	01130	04.81	35.01	27.73		1488.9							
	OBS	01140	04.72	35.00	27.73		1488.7							
	OBS	01150	04.82	35.04	27.75		1489.3							
	OBS	01165	04.63	35.01	27.75		1488.8							
	OBS	01200	04.67	35.02	27.75		1489.5							
	OBS	01300	04.50	35.00	27.75		1490.5							
	OBS	01325	04.42	35.00	27.76		1490.6							
	OBS	01365	04.41	35.00	27.76		1491.2							
	OBS	01400	04.30	34.99	27.77		1491.3							
	OBS	01442	04.20	34.98	27.77		1491.6							
	OBS	01500	04.16	34.99	27.78		1492.4							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04663 AIR TEMP 16.8 DIR HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1206  
 CONSEC 0002 MONTH 04 SHIP DG WET BULB 11.0 23 3 4 WIND-SPD 04 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 23 DATA USE 1 PAROMETR 1027.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 54 W HOUR 12.3 AREA 05 CLOUD T/A CL/TR WEATHER 11 ORIG E71 002 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIG3	PH
12.3	DBS	00000	17.83	36.40	26.40		1517.7							
	DBS	00010	17.82	36.40	26.41		1517.8							
	DBS	00020	17.83	36.40	26.40		1518.0							
	DBS	00030	17.83	36.41	26.41		1518.2							
	DBS	00040	17.79	36.40	26.41		1518.2							
	DBS	00050	17.62	36.38	26.44		1517.9							
	DBS	00075	17.57	36.38	26.45		1518.1							
	DBS	00100	17.57	36.38	26.45		1518.5							
	DBS	00125	17.57	36.38	26.45		1518.9							
	DBS	00150	17.37	36.34	26.47		1518.7							
	DBS	00167	17.47	36.41	26.50		1519.4							
	DBS	00200	17.33	36.39	26.52		1519.5							
	DBS	00250	16.91	36.31	26.56		1519.0							
	DBS	00266	16.93	36.34	26.58		1519.3							
	DBS	00300	16.55	36.23	26.58		1518.6							
	DBS	00370	15.50	36.04	26.68		1516.3							
	DBS	00400	14.73	35.92	26.76		1514.2							
	DBS	00480	13.60	35.72	26.84		1511.6							
	DBS	00500	13.01	35.64	26.90		1509.9							
	DBS	00511	12.63	35.60	26.95		1508.8							
	DBS	00540	12.41	35.58	26.98		1508.5							
	DBS	00600	11.06	35.39	27.09		1504.5							
	DBS	00700	09.19	35.20	27.26		1499.2							
	DBS	00800	07.76	35.13	27.43		1495.3							
	DBS	00900	06.66	35.11	27.57		1492.7							
	DBS	00985	05.34	34.98	27.64		1488.6							
	DBS	01000	05.26	34.97	27.64		1488.6							
	DBS	01014	05.15	34.97	27.66		1488.3							
	DBS	01056	05.10	34.97	27.66		1488.8							
	DBS	01075	04.93	34.99	27.70		1488.5							
	DBS	01095	05.03	35.00	27.69		1489.2							
	DBS	01100	05.00	35.00	27.70		1489.2							
	DBS	01110	04.71	34.97	27.71		1488.1							
	DBS	01159	04.70	34.98	27.72		1488.9							
	DBS	01162	04.78	34.99	27.71		1489.3							
	DBS	01200	04.59	34.97	27.72		1489.1							
	DBS	01300	04.47	34.98	27.74		1490.3							
	DBS	01341	04.36	34.98	27.75		1490.6							
	DBS	01400	04.36	35.00	27.77		1491.6							
	DBS	01480	04.24	34.99	27.77		1492.4							
	DBS	01500	04.25	35.00	27.78		1492.8							

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REFID 31 8317 YEAR 1972 BOTDP 04572 AIR TEMP 16.2 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206  
 CONSEC 0003 MONTH 04 SHIP DG WET BULB 11.0 29 4 4 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 23 DATA USE 1 PAROMETR 1028.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 12 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 003 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TCT P	NO2	NO3	SIG3	PH
23.5	DBS	00000	17.85	36.36	26.37		1517.7							
	DBS	00010	17.59	36.37	26.44		1517.1							
	DBS	00020	17.58	36.37	26.44		1517.2							
	DBS	00030	17.58	36.37	26.44		1517.4							
	DBS	00050	17.58	36.37	26.44		1517.7							
	DBS	00075	17.58	36.37	26.44		1518.1							
	DBS	00100	17.57	36.37	26.44		1518.5							
	DBS	00125	17.56	36.37	26.45		1518.9							
	DBS	00150	17.46	36.35	26.46		1519.0							
	DBS	00174	17.42	36.38	26.49		1519.3							
	DBS	00195	17.25	36.37	26.52		1519.1							
	DBS	00200	17.22	36.35	26.51		1519.1							
	DBS	00211	17.03	36.31	26.53		1518.7							
	DBS	00219	16.90	36.31	26.56		1518.4							
	DBS	00240	16.87	36.30	26.56		1518.7							
	DBS	00250	16.76	36.26	26.56		1518.5							
	DBS	00300	16.30	36.20	26.62		1517.8							
	DBS	00354	15.65	36.08	26.68		1516.6							
	DBS	00400	14.63	35.88	26.75		1513.9							
	DBS	00500	13.38	35.66	26.84		1511.2							
	DBS	00600	11.13	35.42	27.10		1504.8							
	DBS	00620	10.43	35.28	27.11		1502.5							
	DBS	00635	10.22	35.30	27.17		1502.0							
	DBS	00700	09.11	35.18	27.26		1498.8							
	DBS	00780	07.63	35.10	27.43		1494.5							
	DBS	00800	07.58	35.13	27.46		1494.6							
	DBS	00834	06.89	35.09	27.53		1492.5							
	DBS	00845	06.93	35.12	27.54		1492.8							
	DBS	00900	06.42	35.10	27.60		1491.7							
	DBS	00940	05.87	35.06	27.64		1490.1							
	DBS	00964	05.83	35.05	27.63		1490.4							
	DBS	01000	05.35	35.01	27.66		1489.0							
	DBS	01010	05.30	35.00	27.66		1488.9							
	DBS	01030	04.87	34.95	27.67		1487.4							
	DBS	01089	04.83	34.98	27.70		1488.3							
	DBS	01100	04.96	35.01	27.71		1489.0							
	DBS	01115	04.80	34.99	27.71		1488.6							
	DBS	01140	04.72	34.98	27.71		1488.7							
	DBS	01200	04.58	34.98	27.73		1489.1							
	DBS	01300	04.34	34.97	27.75		1489.8							
	DBS	01400	04.30	34.98	27.76		1491.3							
	DBS	01440	04.25	34.99	27.77		1491.8							
	DBS	01480	04.33	35.01	27.78		1492.8							
	DBS	01500	04.24	34.99	27.77		1492.7							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04663 AIR TEMP 18.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 04 SHIP OG WET BULB 13.2 28 2 3 WIND-SPD 04 TRACE DIR D 5 SQUARE 2  
 LAT 34 53 N DAY 24 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOR DURATION 00.9 2 SQUARE 48  
 LONG 048 07 W HOUR 11.5 AREA 05 CLOUD T/A CLOUD CL/TR WEATHER X1 ORIG E71 004 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	XYG	P34	TOT P	NO2	NO3	SI03	PH
11.5	08S	00000	17.98	36.39	26.36		1518.1							
	08S	00010	17.82	36.39	26.40		1517.8							
	08S	00020	17.79	36.39	26.41		1517.9							
	08S	00030	17.76	36.39	26.41		1518.0							
	08S	00050	17.70	36.39	26.43		1518.1							
	08S	00075	17.69	36.39	26.43		1518.5							
	08S	00100	17.67	36.39	26.44		1518.8							
	08S	00125	17.59	36.37	26.44		1519.0							
	08S	00150	17.58	36.40	26.46		1519.4							
	08S	00200	17.08	36.30	26.51		1518.6							
	08S	00225	17.06	36.33	26.54		1519.0							
	08S	00250	16.88	36.29	26.55		1518.8							
	08S	00300	16.42	36.21	26.60		1518.2							
	08S	00400	14.85	35.92	26.73		1514.6							
	08S	00500	13.13	35.67	26.90		1510.3							
	08S	00600	11.53	35.45	27.05		1506.3							
	08S	00660	10.03	35.28	27.18		1501.7							
	08S	00700	09.37	35.19	27.23		1499.8							
	08S	00800	07.38	35.13	27.49		1493.9							
	08S	00900	06.40	35.06	27.57		1491.6							
	08S	00970	05.48	34.97	27.62		1488.9							
	08S	01000	05.21	34.97	27.65		1488.3							
	08S	01040	04.92	34.97	27.68		1487.8							
	08S	01075	04.92	34.98	27.69		1488.4							
	08S	01100	04.74	34.96	27.69		1488.1							
	08S	01140	04.74	34.98	27.71		1488.8							
	08S	01170	04.97	35.03	27.72		1490.3							
	08S	01190	04.77	35.00	27.72		1489.8							
	08S	01200	04.77	35.00	27.72		1489.9							
	08S	01240	04.75	35.00	27.73		1490.5							
	08S	01265	04.63	34.99	27.73		1490.4							
	08S	01300	04.62	34.99	27.73		1491.0							
	08S	01350	04.52	34.99	27.74		1491.4							
	08S	01400	04.51	35.00	27.75		1492.2							
	08S	01500	04.28	34.98	27.76		1492.9							

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REFID 31 8317 YEAR 1972 BOTDP 05302 AIR TEMP 19.2 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0005 MONTH 04 SHIP OG WET BULB 13.0 49 X X WIND-SPD 06 TRACE DIR D 5 SQUARE 2  
 LAT 33 57 N DAY 24 DATA USE 1 BAROMETR 1026.3 SEA WIND-FOR DURATION 00.2 2 SQUARE 28  
 LONG 048 03 W HOUR 23.5 AREA 05 CLOUD T/A CLOUD CL/TR WEATHER X5 ORIG E71 005 1 SQUARE 38

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	XYG	P34	TOT P	NO2	NO3	SI03	PH
23.5	08S	00000	18.48	36.44	26.27		1519.6							
	08S	00010	18.29	36.42	26.31		1519.2							
	08S	00020	18.23	36.42	26.32		1519.2							
	08S	00030	18.22	36.43	26.33		1519.3							
	08S	00050	18.17	36.43	26.34		1519.5							
	08S	00065	18.17	36.43	26.34		1519.8							
	08S	00075	18.06	36.42	26.36		1519.6							
	08S	00100	17.85	36.39	26.39		1519.4							
	08S	00125	17.70	36.39	26.43		1519.3							
	08S	00150	17.53	36.35	26.44		1519.2							
	08S	00200	17.36	36.35	26.48		1519.5							
	08S	00250	17.06	36.31	26.52		1519.4							
	08S	00300	16.78	36.29	26.57		1519.4							
	08S	00365	16.31	36.18	26.60		1518.9							
	08S	00400	15.57	36.06	26.68		1517.0							
	08S	00500	14.02	35.90	26.72		1513.4							
	08S	00600	11.99	35.48	26.78		1507.9							
	08S	00700	09.76	35.21	27.18		1501.3							
	08S	00795	07.93	35.07	27.36		1495.9							
	08S	00800	07.87	35.11	27.40		1495.7							
	08S	00860	06.91	35.10	27.53		1493.0							
	08S	00900	06.66	35.08	27.55		1492.6							
	08S	01000	06.05	35.08	27.63		1491.9							
	08S	01060	05.74	35.08	27.67		1491.6							
	08S	01085	05.36	35.03	27.68		1490.5							
	08S	01100	05.58	35.10	27.71		1491.7							
	08S	01115	05.33	35.05	27.70		1490.9							
	08S	01125	05.40	35.08	27.70		1491.4							
	08S	01140	05.30	35.05	27.70		1491.2							
	08S	01150	05.43	35.10	27.72		1491.9							
	08S	01190	04.97	35.08	27.73		1491.9							
	08S	01200	04.97	35.04	27.73		1490.8							
	08S	01225	05.08	35.07	27.74		1491.7							
	08S	01235	05.01	35.05	27.73		1491.6							
	08S	01250	05.06	35.07	27.74		1492.0							
	08S	01300	04.79	35.04	27.75		1491.7							
	08S	01310	04.96	35.07	27.76		1492.6							
	08S	01375	04.93	35.08	27.77		1493.6							
	08S	01392	04.64	35.03	27.76		1492.6							
	08S	01400	04.76	35.06	27.77		1493.3							
	08S	01435	04.45	35.01	27.77		1492.6							
	08S	01450	04.51	35.02	27.77		1493.1							
	08S	01465	04.28	34.98	27.76		1492.3							
	08S	01490	04.46	35.02	27.77		1493.5							
	08S	01500	04.41	35.01	27.77		1493.5							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTOP 04754 AIR TEMP 19.6 OIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 04 SHIP DG WET BULB 15.5 OIR SPD 3 3 WIND-SPD 09 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 12 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 006 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
23.6	00000	18.73	36.41	26.6	1520.4									
	00010	18.50	36.48	26.50	1519.7									
	00020	18.45	36.47	26.50	1519.7									
	00030	18.35	36.47	26.54	1519.8									
	00050	18.17	36.45	26.36	1519.5									
	00075	18.02	36.42	26.47	1519.5									
	00100	17.91	36.42	26.40	1519.4									
	00125	17.73	36.39	26.42	1519.4									
	00150	17.63	36.38	26.44	1519.5									
	00170	17.61	36.36	26.44	1519.4									
	00190	17.46	36.32	26.43	1519.5									
	00200	17.36	36.36	26.49	1519.4									
	00215	17.36	36.35	26.48	1519.5									
	00230	17.23	36.33	26.50	1519.4									
	00250	17.21	36.33	26.50	1519.5									
	00250	17.19	36.37	26.54	1519.9									
	00300	16.84	36.31	26.57	1519.6									
	00320	16.87	36.33	26.58	1520.0									
	00400	15.53	36.07	26.65	1516.4									
	00500	14.03	35.79	26.81	1513.5									
	00600	12.12	35.52	26.84	1506.4									
	00700	10.35	35.31	27.15	1503.5									
	00800	08.06	35.14	27.35	1496.5									
	00900	06.62	35.12	27.56	1493.7									
	00945	06.38	35.10	27.60	1492.3									
	01000	05.62	35.11	27.65	1491.1									
	01015	05.47	35.01	27.65	1489.7									
	01030	05.64	35.07	27.67	1490.7									
	01050	05.53	35.05	27.67	1490.6									
	01070	05.02	34.97	27.67	1488.7									
	01090	4.54	34.97	27.66	1488.7									
	01100	05.28	35.06	27.71	1490.4									
	01200	04.86	35.02	27.73	1490.3									
	01300	04.68	35.01	27.74	1491.2									
	01400	04.54	35.01	27.76	1492.3									
	01470	04.27	34.98	27.76	1492.4									
	01490	04.27	34.99	27.77	1492.7									

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REFID 31 8317 YEAR 1972 BOTOP 04114 AIR TEMP 19.2 OIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 04 SHIP DG WET BULB 16.0 OIR SPD 1 2 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 26 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 00 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
11.6	00000	17.94	36.35	26.34	1517.9									
	00010	17.52	36.36	26.45	1516.9									
	00020	17.51	36.36	26.45	1517.0									
	00030	17.50	36.36	26.45	1517.2									
	00050	17.50	36.36	26.45	1517.5									
	00075	17.49	36.36	26.46	1517.9									
	00100	17.47	36.36	26.46	1518.2									
	00125	17.46	36.36	26.46	1518.6									
	00150	17.47	36.36	26.46	1519.0									
	00167	17.46	36.36	26.46	1519.3									
	00200	17.17	36.30	26.45	1518.9									
	00250	16.89	36.27	26.53	1518.9									
	00300	16.47	36.22	26.55	1518.4									
	00320	16.28	36.20	26.62	1518.1									
	00380	16.16	36.21	26.66	1518.7									
	00400	15.98	36.17	26.67	1518.4									
	00500	14.84	35.97	26.77	1516.3									
	00545	13.93	35.78	26.82	1513.9									
	00560	13.80	35.81	26.87	1513.7									
	00600	13.35	35.74	26.91	1512.8									
	00700	10.34	35.31	27.15	1503.5									
	00760	08.99	35.17	27.27	1490.4									
	00770	08.79	35.15	27.25	1490.8									
	00775	08.72	35.19	27.33	1498.6									
	00800	08.49	35.19	27.37	1496.2									
	00831	07.55	35.12	27.45	1495.0									
	00850	07.48	35.10	27.45	1495.0									
	00858	06.91	35.04	27.48	1492.9									
	00882	06.86	35.10	27.54	1493.2									
	00890	06.73	35.08	27.54	1492.6									
	00900	06.77	35.12	27.57	1493.1									
	01000	06.07	35.08	27.63	1492.0									
	01012	06.15	35.13	27.66	1492.6									
	01100	05.25	35.00	27.67	1490.2									
	01150	04.94	34.99	27.70	1489.8									
	01200	04.74	34.99	27.72	1489.8									
	01300	04.54	34.98	27.74	1490.6									
	01400	04.41	34.98	27.75	1491.8									
	01500	04.24	34.97	27.76	1492.7									

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TABLE L--Continued

REFID 81 8317	YEAR 1972	BOTDP 04205	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1206
CONSEC 0008	MONTH 04	SHIP DG	WET BULB 16.0	49 X X	WIND-SPD 05	TRACE DIR 0	5 SQUARE 4
AT 35 07 N	DAY 27	DATA USE 1	BAROMETR 1029.6	SEA	WIND-FRQ	DURATION 00.9	2 SQUARE 46
LNG 047 57 W	HOUR 00.0	AREA 05	CLOUD T/A	CL/TR	WEATHER Y0	ORIG ETL 00R	1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	103	PH
00.0	DBS	00000	18.24	36.38	26.29		1518.4							
	DBS	00010	17.73	36.37	26.40		1517.5							
	DBS	00020	17.62	36.47	26.43		1517.4							
	DBS	00030	17.46	36.36	26.44		1517.3							
	DBS	00050	17.54	36.47	26.45		1517.6							
	DBS	00075	17.54	36.47	26.45		1518.0							
	DBS	00100	17.49	36.36	26.46		1518.3							
	DBS	00125	17.49	36.36	26.46		1518.7							
	DBS	00150	17.49	36.36	26.46		1519.1							
	DBS	00180	17.49	36.36	26.46		1519.6							
	DBS	00200	17.41	36.34	26.48		1519.4							
	DBS	00210	17.23	36.38	26.52		1519.5							
	DBS	00250	17.21	36.36	26.52		1519.9							
	DBS	00300	16.97	36.33	26.56		1520.0							
	DBS	00330	16.34	36.19	26.55		1518.4							
	DBS	00340	16.36	36.21	26.61		1518.7							
	DBS	00400	15.63	36.08	26.68		1517.3							
	DBS	00460	14.76	35.95	26.77		1515.3							
	DBS	00470	14.76	35.96	26.78		1515.5							
	DBS	00475	14.85	36.00	26.79		1515.9							
	DBS	00490	14.84	36.00	26.80		1516.2							
	DBS	00500	14.71	35.97	26.80		1515.9							
	DBS	00600	12.57	35.60	26.96		1510.0							
	DBS	00615	12.15	35.54	27.00		1508.8							
	DBS	00635	12.03	35.55	27.03		1508.7							
	DBS	00650	11.53	35.47	27.06		1507.1							
	DBS	00700	10.65	35.36	27.14		1504.7							
	DBS	00725	10.15	35.29	27.17		1503.4							
	DBS	00750	09.48	35.24	27.25		1501.1							
	DBS	00790	08.50	35.16	27.34		1498.0							
	DBS	00800	08.34	35.18	27.38		1497.6							
	DBS	00830	08.14	35.22	27.45		1497.4							
	DBS	00900	07.10	35.14	27.54		1494.5							
	DBS	00955	06.27	35.06	27.59		1492.0							
	DBS	00975	06.45	35.15	27.63		1493.2							
	DBS	01000	06.19	35.13	27.65		1492.5							

REFID 81 8317	YEAR 1972	BOTDP 04115	AIR TEMP 18.5	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0009	MONTH 04	SHIP DG	WET BULB 16.0	27 2 3	WIND-SPD 07	TRACE DIR 0	5 SQUARE 4
AT 35 07 N	DAY 27	DATA USE 1	BAROMETR 1029.6	SEA	WIND-FRQ	DURATION 00.6	2 SQUARE 46
LNG 047 54 W	HOUR 11.7	AREA 05	CLOUD T/A	CL/TR	WEATHER Y1	ORIG ETL 00R	1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	103	PH
11.7	BS	00000	18.21	36.36	26.28		1518.7							
	DBS	00010	17.56	36.38	26.45		1517.0							
	DBS	00020	17.55	36.38	26.46		1517.2							
	DBS	00030	17.55	36.38	26.46		1517.3							
	DBS	00050	17.55	36.39	26.46		1517.7							
	DBS	00075	17.55	36.39	26.46		1518.1							
	DBS	00100	17.55	36.39	26.46		1518.5							
	DBS	00125	17.55	36.39	26.46		1518.6							
	DBS	00150	17.53	36.39	26.47		1519.3							
	DBS	00200	17.32	36.37	26.51		1518.4							
	DBS	00215	17.17	36.34	26.52		1519.2							
	DBS	00250	17.15	36.39	26.56		1519.8							
	DBS	00300	16.71	36.28	26.58		1515.1							
	DBS	00340	16.41	36.21	26.60		1513.8							
	DBS	00400	15.53	36.07	26.65		1516.3							
	DBS	00500	14.69	35.97	26.81		1515.8							
	DBS	00565	13.40	35.70	26.87		1512.3							
	DBS	00575	13.34	35.74	26.91		1512.4							
	DBS	00600	12.84	35.64	26.94		1511.0							
	DBS	00700	09.78	35.25	27.20		1501.4							
	BS	00750	08.78	35.17	27.31		1499.4							
	DBS	00760	08.73	35.20	27.34		1498.4							
	BS	00800	08.31	35.17	27.38		1497.5							
	DBS	00865	06.74	35.05	27.51		1492.3							
	DBS	00875	06.79	35.10	27.55		1492.3							
	BS	00880	06.64	35.10	27.57		1492.3							
	DBS	00900	06.65	35.11	27.57		1492.7							
	DBS	00935	06.55	35.12	27.60		1492.3							
	DBS	00945	06.33	35.07	27.55		1492.1							
	DBS	01000	06.14	35.11	27.64		1492.3							
	BS	11060	05.68	35.07	27.67		1491.4							
	BS	01075	05.33	35.02	27.67		1490.4							
	BS	01100	05.20	35.01	27.68		1490.0							
	BS	01200	04.76	34.99	27.72		1489.0							
	BS	11240	04.56	34.94	27.74		1490.5							
	DBS	01300	04.61	35.00	27.74		1490.6							
	DBS	01330	04.45	34.99	27.75		1491.8							
	DBS	01400	04.36	34.97	27.75		1491.5							
	DBS	01490	04.25	34.97	27.76		1492.6							

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TABLE L.—Continued

EF10 31 8317 YEAR 1972 BOTOP 03362 AIR TEMP 18.4 DIR HGT PER WIND-DIR 05 INST STO RECORDFR TEN SQ 1206  
 DNFEC 0010 MONTH 04 SHIP OG WET BULB 16.0 DIR 1 2 WIND-SPD 05 TRACE DIR 0 5 SQUARE 4  
 AT 35 03 N DAY 27 DATA USE 1 BARCHTR 1030.2 SEA WIND-FOR 00.2 2 SQUARE 48  
 CNG 046 10 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER Y) ORIG E71 C10 1 SQUARE 58

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
23.5	DBS	00000	18.66	36.40	26.14		1520.6							
	DBS	00010	18.27	36.41	26.30		1519.1							
	DBS	00020	18.19	36.42	26.33		1519.1							
	DBS	00030	18.16	36.44	26.35		1519.2							
	DBS	00050	18.05	36.44	26.38		1519.2							
	DBS	00075	17.88	36.40	26.35		1519.1							
	DBS	00100	17.68	36.38	26.42		1518.9							
	DBS	00125	17.51	36.37	26.46		1518.8							
	DBS	00150	17.48	36.39	26.48		1519.1							
	DBS	00175	17.54	36.42	26.49		1519.4							
	DBS	00190	17.29	36.37	26.51		1519.2							
	DBS	00200	17.35	36.40	26.52		1519.6							
	DBS	00250	17.12	36.37	26.55		1519.7							
	DBS	00300	16.82	36.31	26.58		1519.5							
	DBS	00400	15.56	36.04	25.87		1517.0							
	DBS	00500	14.15	35.84	26.82		1513.9							
	DBS	00600	12.58	35.61	26.97		1510.1							
	DBS	00700	10.51	35.33	27.14		1504.1							
	DBS	00800	08.44	35.16	27.35		1498.0							
	DBS	00900	06.93	35.10	27.53		1493.7							
	DBS	01000	05.79	35.02	27.62		1490.8							
	DBS	01045	05.28	34.98	27.65		1489.4							
	DBS	01100	05.04	34.97	27.67		1489.7							
	DBS	01125	04.70	34.95	27.69		1488.3							
	DBS	01200	04.57	34.96	27.71		1489.0							
	DBS	01285	04.47	34.97	27.73		1490.1							
	DBS	01300	04.58	34.99	27.74		1490.6							
	DBS	01310	04.44	34.97	27.74		1490.7							
	DBS	01400	04.39	34.97	27.74		1491.7							
	DBS	01455	04.35	34.96	27.76		1492.4							
	DBS	01470	04.39	35.00	27.77		1492.9							
	DBS	01500	04.28	34.99	27.77		1492.9							

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EF10 31 8317 YEAR 1972 BOTOP 04572 AIR TEMP 16.8 DIR HGT PER WIND-DIR 13 INST STO RECORDFR TEN SQ 1206  
 DNFEC 0011 MONTH 04 SHIP OG WET BULB 16.0 DIR 1 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 AT 35 06 N DAY 28 DATA USE 1 BARCHTR 1027.7 SEA WIND-FOR 00.3 2 SQUARE 46  
 CNG 047 57 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 011 1 SQUARE 57

CASSTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.6	DBS	00000	18.52	36.40	26.23		1519.7							
	DBS	00010	18.17	36.37	26.30		1516.8							
	DBS	00020	17.90	36.37	26.36		1518.2							
	DBS	00030	17.83	36.38	26.35		1518.1							
	DBS	00050	17.66	36.37	26.42		1516.0							
	DBS	00075	17.62	36.41	26.46		1518.3							
	DBS	00100	17.65	36.42	26.46		1518.8							
	DBS	00125	17.66	36.42	26.46		1519.3							
	DBS	00150	17.37	36.34	26.47		1518.7							
	DBS	00200	17.32	36.37	26.51		1519.4							
	DBS	00250	17.30	36.39	26.53		1520.2							
	DBS	00300	16.79	36.29	26.57		1519.4							
	DBS	00400	15.64	36.08	26.68		1517.3							
	DBS	00500	14.09	35.82	26.82		1513.7							
	DBS	00600	11.92	35.51	27.02		1507.7							
	DBS	00700	09.91	35.27	27.20		1501.9							
	DBS	00800	08.05	35.13	27.39		1496.4							
	DBS	00825	07.75	35.08	27.35		1495.6							
	DBS	00900	06.89	35.12	27.45		1493.6							
	DBS	00930	05.45	34.94	27.60		1489.0							
	DBS	01000	05.10	34.96	27.65		1487.6							
	DBS	01010	05.00	34.58	27.68		1487.7							
	DBS	01100	04.73	34.97	27.70		1488.3							
	DBS	01112	04.76	34.95	27.71		1488.4							
	DBS	01125	04.92	35.02	27.72		1489.3							
	DBS	01145	04.87	35.01	27.72		1489.4							
	DBS	01160	04.85	35.01	27.72		1489.6							
	DBS	01180	04.69	34.99	27.72		1489.2							
	DBS	01200	04.75	35.01	27.73		1489.4							
	DBS	01300	04.53	34.99	27.74		1490.6							
	DBS	01400	04.39	35.00	27.77		1491.7							
	DBS	01500	04.18	34.98	27.77		1492.9							

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TABLE L--Continued

EFID 31 8317 YEAR 1972 BDTOP 04572 AIR TEMP 17.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SO 1206  
 DNSEC 0012 MONTH 04 SHIP DG WET BULB 14.1 13 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4  
 AT 35 27 N DAY 28 DATA USE 1 BAROMETR 1027.8 SEA WIND-FRQ DURATION 00.5 2 SQUARE 48  
 DRG 048 24 W HOUR 23.6 AREA 05 CLOUD T/A CL/T/P WEATHER XI ORIG ETL 012 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SI,MA-T	LYNPTH	SND VEL	XYG	PJ4	TCT P	NO2	NO3	SI03	PH
23.6	OBS	00000	18.63	36.39	26.20		1520.0							
	OBS	00010	18.08	36.40	26.34		1518.6							
	OBS	00020	17.94	36.40	26.38		1518.3							
	OBS	00030	17.84	36.40	26.40		1518.2							
	OBS	00050	17.77	36.38	26.40		1518.3							
	OBS	00075	17.65	36.37	26.42		1518.3							
	OBS	00100	17.64	36.37	26.43		1518.7							
	OBS	00125	17.58	36.36	26.43		1519.0							
	OBS	00150	17.56	36.36	26.44		1519.3							
	OBS	00175	17.28	36.31	26.47		1518.8							
	OBS	00200	17.45	36.39	26.49		1519.8							
	OBS	00250	17.06	36.33	26.54		1514.4							
	OBS	00300	16.69	36.25	26.56		1519.1							
	OBS	00400	15.42	36.04	26.70		1516.6							
	OBS	00500	14.27	35.85	26.80		1514.3							
	OBS	00600	12.73	35.61	26.94		1510.6							
	OBS	00700	10.38	35.29	27.13		1503.6							
	OBS	00800	08.22	35.13	27.36		1497.1							
	OBS	00900	06.83	35.08	27.53		1493.3							
	OBS	01000	05.62	34.96	27.54		1490.0							
	OBS	01040	05.33	34.99	27.64		1489.7							
	OBS	01100	05.13	34.99	27.67		1489.7							
	OBS	01200	04.61	34.96	27.71		1489.2							
	OBS	01215	04.53	34.95	27.71		1489.1							
	OBS	01250	04.53	34.96	27.72		1489.7							
	OBS	01300	04.46	34.96	27.73		1490.3							
	OBS	01400	04.37	34.96	27.74		1491.6							
	OBS	01430	04.29	34.95	27.74		1491.7							
	OBS	01470	04.28	34.95	27.74		1492.4							
	OBS	01490	04.31	34.96	27.74		1492.8							
	OBS	01500	04.26	34.96	27.75		1492.8							

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EFID 31 8317 YEAR 1972 BDTOP 03986 AIR TEMP 18.4 DIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SO 1206  
 DNSEC 0013 MONTH 04 SHIP DG WET BULB 14.6 13 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 4  
 AT 35 02 N DAY 29 DATA USE 1 BAROMETR 1027.9 SEA WIND-FRQ DURATION 00.5 2 SQUARE 48  
 DRG 047 56.5 W HOUR 11.5 AREA 05 CLOUD T/A CL/T/P WEATHER XI ORIG ETL 013 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SI,MA-T	LYNPTH	SND VEL	XYG	PJ4	TCT P	NO2	NO3	SI03	PH
11.5	OBS	00000	18.40	36.42	26.28		1519.3							
	OBS	00010	18.24	36.36	26.27		1519.1							
	OBS	00020	17.87	36.33	26.34		1518.1							
	OBS	00030	17.60	36.37	26.44		1517.6							
	OBS	00050	17.56	36.38	26.45		1517.7							
	OBS	00075	17.55	36.38	26.46		1518.1							
	OBS	00100	17.55	36.38	26.46		1518.6							
	OBS	00125	17.55	36.38	26.46		1518.9							
	OBS	00150	17.54	36.38	26.46		1519.3							
	OBS	00200	17.37	36.37	26.45		1519.6							
	OBS	00250	17.15	36.36	26.54		1519.7							
	OBS	00300	16.86	36.31	26.57		1519.6							
	OBS	00400	15.54	36.07	26.69		1517.0							
	OBS	00450	14.83	35.97	26.77		1515.4							
	OBS	00500	14.56	35.74	26.81		1515.4							
	OBS	00510	14.21	35.86	26.82		1514.3							
	OBS	00525	14.20	35.88	26.84		1514.6							
	OBS	00560	13.37	35.66	26.85		1512.1							
	OBS	00600	12.75	35.64	26.77		1510.7							
	OBS	00700	10.33	35.33	27.17		1503.6							
	OBS	00800	08.53	35.16	27.34		1498.3							
	OBS	00860	07.47	35.11	27.46		1497.3							
	OBS	00900	07.38	35.14	27.53		1495.6							
	OBS	00945	06.96	35.04	27.57		1493.0							
	OBS	01000	06.24	35.14	27.55		1492.6							
	OBS	01050	06.11	35.15	27.68		1493.1							
	OBS	01100	05.62	35.04	27.69		1491.8							
	OBS	01170	05.41	35.06	27.65		1492.1							
	OBS	01200	05.09	35.04	27.72		1491.3							
	OBS	01220	04.81	35.00	27.72		1490.4							
	OBS	01300	04.58	35.00	27.74		1490.8							
	OBS	01340	04.47	34.99	27.75		1491.1							
	OBS	01350	04.40	34.94	27.75		1490.4							
	OBS	01400	04.34	34.99	27.76		1491.6							
	OBS	01500	04.17	34.98	27.77		1492.4							

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TABLE L.—Continued

IFIO 31 8317 YEAR 1972 BOTOP 04755 AIR TEMP 17.5 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 JNSEC 0014 MONTH 04 SHIP 06 WET BULB 14.5 DIR HGT PER WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 AT 35 00 N DAY 30 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 JNG 048 04 W HOUR 23.5 AREA 05 CLOUD T/A CL/TP WEATHER X1 DRUG 671 015 1 SQUARE 54

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
23.5	OBS	00000	18.32	36.40	26.26		1519.1							
	OBS	00010	17.78	36.31	26.35		1517.5							
	OBS	00020	17.66	36.36	26.41		1517.5							
	OBS	00030	17.58	36.36	26.43		1517.4							
	OBS	00050	17.55	36.37	26.45		1517.6							
	OBS	00075	17.54	36.37	26.45		1518.0							
	OBS	00100	17.54	36.37	26.45		1518.4							
	OBS	00125	17.43	36.37	26.45		1518.8							
	OBS	00150	17.52	36.37	26.46		1519.2							
	OBS	00180	17.52	36.37	26.46		1519.7							
	OBS	00200	17.46	36.37	26.47		1519.8							
	OBS	00250	17.17	36.35	26.53		1519.8							
	OBS	00300	16.65	36.23	26.56		1518.9							
	OBS	00350	15.41	36.12	26.76		1515.8							
	OBS	00400	15.17	36.04	26.75		1515.8							
	OBS	00500	14.14	35.86	26.82		1514.1							
	OBS	00525	13.58	35.71	26.84		1512.3							
	OBS	00540	13.24	35.70	26.90		1511.4							
	OBS	00550	13.20	35.72	26.93		1511.5							
	OBS	00560	13.17	35.73	26.94		1511.5							
	OBS	00600	12.54	35.60	26.97		1509.9							
	OBS	00700	10.23	35.32	27.18		1503.1							
	OBS	00800	08.67	35.18	27.33		1498.9							
	OBS	00820	08.43	35.21	27.35		1496.3							
	OBS	00860	07.53	35.13	27.44		1495.4							
	OBS	00900	06.96	35.13	27.58		1493.9							
	OBS	00920	06.53	35.06	27.55		1492.4							
	OBS	01000	06.36	35.16	27.65		1493.2							
	OBS	01100	05.76	35.08	27.67		1492.4							
	OBS	01130	05.48	35.10	27.72		1491.8							
	OBS	01150	04.98	35.01	27.71		1490.0							
	OBS	01200	04.68	35.00	27.73		1489.6							
	OBS	01400	04.46	34.99	27.75		1490.3							
	OBS	01400	04.35	35.00	27.77		1491.5							
	OBS	01500	04.19	34.95	27.78		1492.5							

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IFIO 31 8317 YEAR 1972 BOTOP 04755 AIR TEMP 17.5 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 JNSEC 0015 MONTH 04 SHIP 06 WET BULB 14.5 DIR HGT PER WIND-SPD 05 TRACE DIR 0 5 SQUARE 2  
 AT 34 58 N DAY 30 DATA USE 1 BAROMETR 1027.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 JNG 048 05 W HOUR 23.5 AREA 05 CLOUD T/A CL/TP WEATHER X1 DRUG 671 015 1 SQUARE 48

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S133	PH
23.5	OBS	00000	19.23	36.46	26.09		1521.7							
	OBS	00010	18.49	36.40	26.24		1519.7							
	OBS	00020	18.19	36.38	26.30		1519.0							
	OBS	00030	17.88	36.39	26.38		1518.3							
	OBS	00050	17.82	36.42	26.42		1518.5							
	OBS	00075	17.59	36.36	26.43		1518.2							
	OBS	00100	17.50	36.36	26.45		1518.3							
	OBS	00125	17.50	36.36	26.45		1518.7							
	OBS	00150	17.50	36.36	26.45		1519.1							
	OBS	00170	17.50	36.36	26.45		1519.5							
	OBS	00200	17.03	36.30	26.52		1518.5							
	OBS	00250	16.64	36.26	26.57		1516.2							
	OBS	00300	16.19	36.16	26.61		1517.4							
	OBS	00400	14.95	35.98	26.76		1515.0							
	OBS	00420	14.74	35.96	26.75		1514.6							
	OBS	00430	14.83	36.01	26.81		1515.1							
	OBS	00500	13.91	35.80	26.84		1513.1							
	OBS	00600	12.33	35.56	26.98		1509.2							
	OBS	00700	10.42	35.32	27.15		1503.8							
	OBS	00800	08.57	35.18	27.35		1498.5							
	OBS	00830	08.04	35.07	27.34		1496.8							
	OBS	00855	07.61	35.15	27.47		1495.7							
	OBS	00880	07.08	35.07	27.48		1494.0							
	OBS	00900	06.94	35.11	27.53		1493.4							
	OBS	00910	06.93	35.11	27.54		1493.9							
	OBS	00950	06.45	35.06	27.56		1492.6							
	OBS	00975	06.19	35.09	27.62		1492.0							
	OBS	00985	06.33	35.14	27.64		1492.8							
	OBS	01000	06.23	35.12	27.64		1492.7							
	OBS	01100	05.49	35.06	27.65		1491.3							
	OBS	01120	04.99	34.99	27.69		1489.5							
	OBS	01200	04.73	34.98	27.71		1489.7							
	OBS	01300	04.50	34.98	27.74		1490.5							
	OBS	01400	04.34	34.97	27.75		1491.5							
	OBS	01500	04.15	34.96	27.76		1492.5							

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TABLE L.—Continued

FID 31 8317 YEAR 1972 BCTOP 04119 AIR TEMP 17.5 DIR HGT PER WIND-DIR 01 INST STO RECORDER TEN SQ 1206  
 INSEC 0016 MONTH 05 SHIP DG WET BULK 15.0 01 2 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 T 34 47 N DAY 02 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 ING 048 03 W HOUR 00.0 AREA C5 CLOUD T/A CL/TR WEATHER X1 ORIG E71 016 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI'	PH
00.0	CBS	00000	18.92	36.44	26.16		1520.8							
	DBS	00010	18.85	36.43	26.17		1520.8							
	DBS	00020	18.36	36.40	26.27		1519.5							
	DBS	00030	18.31	36.42	26.30		1519.6							
	DBS	00050	18.10	36.34	26.29		1519.2							
	DBS	00075	17.74	36.35	26.39		1518.6							
	DBS	00100	17.61	36.35	26.42		1518.6							
	DBS	00125	17.50	36.35	26.45		1518.7							
	DBS	00150	17.46	36.34	26.45		1519.0							
	DBS	00160	17.42	36.38	26.49		1519.1							
	DBS	00200	17.31	36.36	26.50		1519.4							
	DBS	00230	17.32	36.39	26.52		1519.9							
	DBS	00250	17.23	36.37	26.53		1520.0							
	DBS	00270	16.95	36.32	26.56		1519.4							
	DBS	00280	16.98	36.32	26.55		1519.7							
	DBS	00300	16.75	36.26	26.56		1519.2							
	DBS	00400	15.66	36.08	26.67		1517.3							
	DBS	00500	14.26	35.85	26.81		1514.3							
	DBS	00600	12.59	35.88	26.94		1510.1							
	DBS	00700	10.29	35.29	27.15		1503.3							
	DBS	00800	08.01	35.09	27.36		1496.2							
	DBS	00900	06.27	35.00	27.54		1491.0							
	DBS	01000	05.17	34.95	27.64		1488.2							
	DBS	01100	04.83	34.96	27.68		1488.4							
	DBS	01150	04.58	34.94	27.70		1488.2							
	DBS	01200	04.50	34.94	27.71		1488.7							
	DBS	01300	04.57	34.98	27.73		1490.7							
	DBS	01400	04.48	34.98	27.74		1492.0							
	DBS	01450	04.31	34.96	27.74		1492.2							
	DBS	01475	04.32	34.99	27.77		1492.7							
	DBS	01490	04.40	34.99	27.76		1493.2							
	DBS	01500	04.30	34.98	27.76		1493.0							

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FID 31 8317 YEAR 1972 BCTOP 04388 AIR TEMP 17.5 DIR HGT PER WIND-DIR 04 INST STO RECORDER TEN SQ 1206  
 INSEC 0017 MONTH 05 SHIP DG WET BULK 14.9 34 1 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 T 34 50 N DAY 02 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 00.7 2 SQUARE 48  
 ING 048 06 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 017 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI3	PH
11.7	CBS	00000	18.60	36.44	26.24		1519.9							
	DBS	00020	17.84	36.40	26.40		1518.0							
	DBS	00030	17.79	36.39	26.41		1518.0							
	DBS	00050	17.56	36.37	26.45		1517.7							
	DBS	00075	17.52	36.37	26.46		1518.0							
	DBS	00100	17.51	36.37	26.46		1518.3							
	DBS	00125	17.50	36.37	26.46		1518.7							
	DBS	00150	17.49	36.37	26.46		1519.1							
	DBS	00180	17.46	36.36	26.46		1519.5							
	DBS	00200	17.31	36.34	26.48		1519.4							
	DBS	00250	16.73	36.26	26.56		1513.4							
	DBS	00300	16.29	36.19	26.61		1517.8							
	DBS	00400	15.10	36.03	26.75		1515.7							
	DBS	00500	13.93	35.79	26.83		1513.1							
	DBS	00600	12.29	35.57	26.99		1509.0							
	DBS	00700	10.06	35.28	27.18		1502.5							
	DBS	00800	07.98	35.14	27.41		1496.2							
	DBS	00820	08.02	35.17	27.42		1496.7							
	DBS	00900	06.84	35.09	27.53		1493.4							
	DBS	00920	06.33	35.05	27.57		1491.6							
	DBS	00980	06.32	35.13	27.63		1492.7							
	DBS	01000	06.07	35.11	27.65		1492.0							
	DBS	01100	05.38	35.07	27.71		1490.8							
	DBS	01140	05.14	35.04	27.71		1490.5							
	DBS	01200	04.69	34.96	27.72		1489.6							
	DBS	01300	04.49	34.97	27.73		1490.4							
	DBS	01320	04.39	34.97	27.74		1490.3							
	DBS	01400	04.35	34.97	27.75		1491.5							
	DBS	01500	04.20	34.97	27.76		1492.6							

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TABLE L.—Continued

FILE 31 8317 YEAR 1972 ROTOP 04654 AIR TEMP 17.9 DIR HGT PER WIND-DIR 07 INST STD RECORDER TFN SQ 1206  
 NSEC 0018 MONTH 05 SHIP DG WET BULB 15.9 07 1 2 WIND-SPD 11 TRACE DIR 0 5 SQUARE 2  
 T 34 51 N DAY 02 DATA USE 1 BAROMETR 1027.7 SFA WEATHER XI WEATHER XI DURATION 00.5 2 SQUARE 48  
 NO 048 16 W HOUR 23.7 AREA 05 CLOUD T/4 CL/TR

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	N02	N03	S103	PH
23.7	OBS	00000	18.68	36.39	26.18		1520.1							
	OBS	00010	18.24	36.41	26.31		1519.0							
	OBS	00020	18.14	36.42	26.34		1518.9							
	OBS	00030	18.12	36.43	26.35		1519.0							
	OBS	00050	17.92	36.38	26.37		1518.7							
	OBS	00075	17.58	36.36	26.43		1518.1							
	OBS	00100	17.50	36.36	26.45		1518.3							
	OBS	00125	17.49	36.36	26.46		1518.7							
	OBS	00150	17.48	36.36	26.46		1519.1							
	OBS	00190	17.41	36.35	26.47		1519.5							
	OBS	00200	17.41	36.38	26.49		1519.7							
	OBS	00230	17.05	36.30	26.52		1519.0							
	OBS	00250	17.07	36.36	26.56		1519.5							
	OBS	00300	16.84	36.31	26.57		1519.6							
	OBS	00400	15.43	36.05	26.70		1516.6							
	OBS	00540	13.33	35.71	26.85		1511.7							
	OBS	00600	12.24	35.56	27.00		1508.8							
	OBS	00700	10.10	35.26	27.16		1502.6							
	OBS	00800	08.36	35.16	27.36		1497.7							
	OBS	00900	06.87	35.09	27.53		1493.5							
	OBS	01000	06.18	35.11	27.64		1492.4							
	OBS	01020	05.98	35.10	27.66		1492.0							
	OBS	01050	05.89	35.10	27.67		1492.1							
	OBS	01100	05.02	34.97	27.67		1485.2							
	OBS	01130	04.83	34.97	27.65		1489.0							
	OBS	01180	04.86	35.00	27.71		1490.0							
	OBS	01190	04.77	34.98	27.71		1489.7							
	OBS	01200	04.86	35.01	27.72		1490.3							
	OBS	01240	04.72	35.00	27.73		1490.4							
	OBS	01300	04.69	35.02	27.75		1491.3							
	OBS	01400	04.43	35.00	27.76		1491.9							
	OBS	01500	04.29	34.95	27.77		1493.0							

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FILE 31 8317 YEAR 1972 ROTOP 04114 AIR TEMP 18.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TFN SQ 1206  
 NSEC 0019 MONTH 05 SHIP DG WET BULB 16.0 08 2 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 T 35 06 N DAY 03 DATA USE 1 BAROMETR 1031.3 SFA WEATHER XI WEATHER XI DURATION 03.3 2 SQUARE 46  
 NO 047 58 W HOUR 11.8 AREA 05 CLOUD T/4 CL/TR

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	DXYG	P04	TOT P	N02	N03	S103	PH
11.8	OBS	00000	18.69	36.44	26.22		1520.2							
	OBS	00010	18.64	36.44	26.22		1520.4							
	OBS	00020	18.63	36.44	26.22		1520.5							
	OBS	00030	18.39	36.36	26.25		1519.8							
	OBS	00050	18.09	36.39	26.33		1519.2							
	OBS	00075	17.94	36.38	26.36		1519.2							
	OBS	00100	17.69	36.36	26.41		1518.9							
	OBS	00125	17.49	36.36	26.46		1518.7							
	OBS	00150	17.30	36.33	26.48		1518.5							
	OBS	00200	17.05	36.24	26.55		1518.6							
	OBS	00250	16.62	36.25	26.58		1518.0							
	OBS	00300	16.35	36.22	26.63		1517.9							
	OBS	00400	15.13	36.03	26.74		1515.8							
	OBS	00500	14.05	35.84	26.84		1513.6							
	OBS	00600	12.17	35.55	27.00		1508.6							
	OBS	00620	11.51	35.45	27.05		1506.5							
	OBS	00640	11.25	35.42	27.07		1506.0							
	OBS	00700	09.55	35.20	27.20		1500.5							
	OBS	00780	08.00	35.08	27.36		1495.9							
	OBS	00800	07.77	35.12	27.42		1495.4							
	OBS	00820	07.74	35.17	27.47		1495.6							
	OBS	00850	07.47	35.21	27.53		1495.2							
	OBS	00870	07.47	35.21	27.54		1495.5							
	OBS	00900	06.62	35.07	27.55		1492.5							
	OBS	01000	06.11	35.10	27.64		1492.2							
	OBS	01100	05.26	35.05	27.70		1490.4							
	OBS	01200	05.10	35.05	27.72		1491.3							
	OBS	01245	05.04	35.06	27.74		1491.9							
	OBS	01270	04.59	34.95	27.74		1490.3							
	OBS	01300	04.52	34.99	27.74		1490.6							
	OBS	01400	04.40	34.99	27.76		1491.7							
	OBS	01500	04.27	34.96	27.76		1492.9							

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TABLE L.—Continued

FID 31 8317 YEAR 1972 BUOY 04063 AIR TEMP 17.4 LIP HGT REP WIND-DIR 07 INST STD RECD- ° TRF SC 1276  
 VSSC 0020 MONTH 05 SHIP 06 WFT JUL 14.6 07 0 2 WIND-SPD 11 TRACE DIR 1 5 SQUARE 4  
 T 35 00 N DAY 13 DATE USE 1 34°C 17.4 1033.0 SW WIND-FCR DURATION 0.3 2 SQUARE 48  
 VL 043 00 W HOUR 23.7 AREA 05 CLUT 174 CLUTE WEATHER X3 GRIG 171 020 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYDPTH	SND VSL	CHYG	P34	TOT P	M02	W01	S103	PH
23.7	0BS	00000	18.86	36.40	25.15		1520.7							
	0BS	00010	18.91	36.44	26.19		1520.7							
	0BS	00020	18.00	36.42	25.21		1520.4							
	0BS	00030	18.20	36.41	26.30		1519.4							
	0BS	00050	18.14	36.42	26.35		1519.4							
	0BS	00075	17.95	36.37	26.37		1519.2							
	0BS	00100	17.87	36.37	26.39		1519.2							
	0BS	00125	17.47	36.36	26.46		1518.6							
	0BS	00150	17.17	36.32	26.50		1518.1							
	0BS	00200	16.85	36.32	26.58		1518.0							
	0BS	00250	16.61	36.27	26.60		1518.0							
	0BS	00300	16.11	36.19	26.65		1517.2							
	0BS	00400	14.95	35.96	26.74		1515.0							
	0BS	00420	14.73	36.00	26.82		1514.7							
	0BS	00435	14.73	36.00	26.82		1514.9							
	0BS	00500	13.65	35.78	26.88		1512.2							
	0BS	00540	13.15	35.71	26.93		1511.1							
	0BS	00555	13.15	35.72	26.94		1511.4							
	0BS	00600	11.99	35.52	27.01		1507.9							
	0BS	00700	09.85	35.23	27.18		1501.6							
	0BS	00755	09.96	35.09	27.21		1499.1							
	0BS	00770	08.51	35.16	27.24		1497.7							
	0BS	00780	08.55	35.18	27.35		1498.1							
	0BS	00800	04.30	35.17	27.38		1497.4							
	0BS	00840	07.53	35.16	27.49		1495.2							
	0BS	00880	07.47	35.18	27.51		1495.0							
	0BS	00900	07.07	35.14	27.54		1494.3							
	0BS	00915	06.88	35.15	27.57		1493.9							
	0BS	00930	07.01	35.19	27.59		1494.7							
	0BS	01000	06.26	35.12	27.63		1492.8							
	0BS	01040	05.82	35.09	27.66		1491.6							
	0BS	01060	06.18	35.16	27.68		1493.5							
	0BS	01080	05.47	35.06	27.69		1490.9							
	0BS	01090	05.41	35.06	27.69		1490.8							
	0BS	01100	05.52	35.08	27.70		1491.4							
	0BS	01200	05.08	35.05	27.73		1491.3							
	0BS	01220	05.01	35.04	27.73		1491.3							
	0BS	01265	05.00	35.06	27.74		1492.0							
	0BS	01300	04.65	34.95	27.73		1491.1							
	0BS	01400	04.41	34.99	27.76		1491.8							
	0BS	01450	04.32	34.98	27.76		1492.2							
	0BS	01470	04.29	34.98	27.76		1492.4							
	0BS	01500	04.31	35.00	27.77		1493.1							

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TABLE L.—Continued

ID 31 8317 YEAR 1972 RLTOP 04572 AIR TEMP 18.4 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1206  
 VSEC 0021 MONTH 05 SHIP DG NET BULB 15.0 04 2 2 WIND-SPO 12 TRACE DIR 0 5 SQUARE 4  
 T 35 01 N DAY 04 DATA USE 1 BAROMETR 1034.3 SEA WIND-FDP 00.5 2 SQUARE 48  
 W 048 03 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER XL ORIG ETL 021 1 SQUARE 58

LASTNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
11.6	08S	00000	18.77	36.45	26.21		1520.4							
	08S	00010	18.77	36.45	26.21		1520.6							
	08S	00020	18.75	36.45	26.21		1520.7							
	08S	00030	18.27	36.42	26.31		1519.5							
	08S	00050	18.11	36.41	26.34		1519.3							
	08S	00075	17.93	36.39	26.37		1519.2							
	08S	00100	17.73	36.36	26.40		1519.0							
	08S	00125	17.43	36.35	26.46		1518.5							
	08S	00150	17.20	36.34	26.51		1518.2							
	08S	00175	17.04	36.32	26.53		1518.1							
	08S	00200	17.01	36.33	26.55		1518.5							
	08S	00250	16.66	36.28	26.59		1518.2							
	08S	00300	16.21	36.19	26.63		1517.5							
	08S	00400	15.00	35.99	26.75		1515.2							
	08S	00405	14.90	35.97	26.78		1514.9							
	08S	00420	14.82	35.97	26.78		1514.9							
	08S	00430	14.81	35.98	26.79		1515.0							
	08S	00500	13.80	35.79	26.86		1512.7							
	08S	00530	14.60	35.77	26.88		1512.5							
	08S	00545	15.40	35.72	26.85		1512.0							
	08S	00550	15.14	35.65	26.85		1511.2							
	08S	00600	12.13	35.55	26.95		1508.4							
	08S	00700	10.11	35.26	27.15		1502.6							
	08S	00760	09.57	35.11	27.29		1497.7							
	08S	00770	09.43	35.14	27.34		1497.4							
	08S	00785	09.44	35.15	27.34		1497.7							
	08S	00800	09.26	35.17	27.35		1497.3							
	08S	00820	07.43	35.15	27.50		1495.6							
	08S	00900	07.39	35.18	27.53		1495.6							
	08S	00905	07.46	35.20	27.52		1496.0							
	08S	01000	06.55	35.17	27.64		1494.0							
	08S	01031	06.10	35.12	27.68		1492.7							
	08S	01041	06.29	35.15	27.68		1492.6							
	08S	01055	05.65	35.28	27.60		1491.2							
	08S	01068	05.67	35.10	27.65		1491.5							
	08S	01100	05.34	35.05	27.70		1490.7							
	08S	01168	05.24	35.05	27.70		1491.6							
	08S	01150	05.20	35.06	27.72		1491.6							
	08S	01200	05.23	35.37	27.72		1491.9							
	08S	01240	05.25	35.34	27.74		1492.7							
	08S	01300	05.10	35.09	27.76		1493.1							
	08S	01340	04.97	35.08	27.76		1493.2							
	08S	01390	04.94	35.08	27.77		1493.5							
	08S	01400	04.82	35.07	27.77		1493.6							
	08S	01420	04.47	35.01	27.76		1492.4							
	08S	01500	04.26	35.01	27.79		1492.9							

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ID 31 8317 YEAR 1972 RLTOP 04754 AIR TEMP 18.0 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 VSEC 0022 MONTH 05 SHIP DG NET BULB 16.6 06 1 2 WIND-SPO 10 TRACE DIR 0 5 SQUARE 4  
 T 35 02 N DAY 04 DATA USE 1 BAROMETR 1034.4 SEA WIND-FDP 00.3 2 SQUARE 48  
 W 048 02 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER XL ORIG ETL 022 1 SQUARE 58

LASTNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	GYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
23.7	08S	00000	18.78	36.42	26.18		1520.4							
	08S	00010	18.71	36.41	26.19		1520.4							
	08S	00020	18.65	36.41	26.21		1520.4							
	08S	00030	18.42	36.37	26.23		1519.8							
	08S	00050	17.99	36.40	26.36		1519.0							
	08S	00075	17.78	36.39	26.41		1518.8							
	08S	00100	17.60	36.37	26.44		1518.6							
	08S	00125	17.42	36.37	26.48		1518.5							
	08S	00150	17.27	36.35	26.50		1518.4							
	08S	00200	16.95	36.30	26.54		1518.2							
	08S	00250	16.67	36.25	26.57		1518.2							
	08S	00300	16.42	36.24	26.62		1518.2							
	08S	00400	15.39	36.06	26.72		1516.5							
	08S	00500	14.10	35.84	26.83		1513.7							
	08S	00600	12.29	35.55	26.98		1509.0							
	08S	00700	10.15	35.26	27.15		1502.8							
	08S	00775	08.67	35.10	27.27		1498.3							
	08S	00800	08.39	35.18	27.38		1497.8							
	08S	00850	07.85	35.19	27.47		1496.6							
	08S	00900	07.25	35.16	27.53		1495.1							
	08S	00940	06.56	35.08	27.56		1492.9							
	08S	01000	06.01	35.08	27.64		1491.7							
	08S	01070	05.47	35.05	27.68		1490.7							
	08S	01090	05.49	35.05	27.68		1491.1							
	08S	01100	05.31	35.04	27.69		1490.5							
	08S	01200	05.14	35.06	27.73		1491.5							
	08S	01260	05.17	35.08	27.74		1492.7							
	08S	01280	04.96	35.05	27.74		1492.1							
	08S	01300	04.91	35.05	27.75		1492.2							
	08S	01330	04.57	35.00	27.75		1491.3							
	08S	01345	04.63	35.02	27.75		1491.8							
	08S	01355	04.58	35.01	27.75		1491.7							
	08S	01360	04.72	35.05	27.77		1492.5							
	08S	01400	04.63	35.03	27.76		1492.7							
	08S	01425	04.48	35.01	27.76		1492.5							
	08S	01460	04.75	35.06	27.77		1494.3							
	08S	01490	04.40	35.01	27.77		1493.3							
	08S	01500	04.46	35.04	27.75		1493.7							

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TABLE L.—Continued

#ID 31 8317 YEAR 1972 ACTOR 04754 AIR TIME 18.74 DIS EST PER 41% SUR DS INVT TO RECDYR 1 1 1206  
 #SEC 0023 MONTH 05 SHIP DG WET BURN 16.1 WET W 2 4140-SEC DS TRAFI DIF 0 5 50000 2  
 L 34 56 N DAY 05 DATA USE 1 MARKETS 10.000 TGA 41% SUR DS ONSATIIN 00.3 2 00000 40  
 CG 049 07 W HOUR 11.7 AREA 05 CLOUD TZA CLZTR 4140-SEC DS DRIS 71 000 1 5.1000 40

ASTNUM/TIME	LVL TYP	DEPTH	TEMP	AL	SLM-B-T	LYNDRTH	SWD-VRE	CTG	CTG	TCY P	QTY	MOA	SIT3	PH
11.7	R	0000	18.74	35.45	26.21		1518.3							
	CRS	00010	18.75	35.45	26.21		1520.5							
	CRS	00020	18.74	35.45	26.21		1520.7							
	CRS	00030	18.06	35.38	26.33		1518.5							
	CRS	00040	17.88	35.42	26.35		1518.6							
	CRS	00075	17.64	35.34	26.43		1518.5							
	CRS	00100	17.60	35.40	26.46		1518.6							
	CRS	00125	17.51	35.40	26.46		1518.4							
	CRS	00150	17.34	35.36	26.40		1518.6							
	CRS	00200	16.97	35.31	26.44		1518.3							
	CRS	00250	16.72	35.28	26.58		1518.4							
	CRS	00300	16.42	35.22	26.62		1517.4							
	CRS	00400	15.47	35.09	26.72		1516.8							
	CRS	00440	14.87	35.07	26.77		1515.4							
	CRS	00455	14.75	35.07	26.75		1515.3							
	CRS	00470	14.74	35.09	26.81		1515.6							
	CRS	00500	14.06	35.03	26.84		1513.6							
	CRS	00520	13.71	35.76	26.87		1512.7							
	CRS	00525	13.65	35.40	26.84		1512.7							
	CRS	00535	13.64	35.32	26.85		1512.9							
	CRS	00550	14.45	35.72	26.92		1511.6							
	CRS	00600	12.24	35.54	26.94		1504.9							
	CRS	00700	10.00	35.24	27.16		1502.2							
	CRS	00735	09.30	35.17	27.22		1500.1							
	CRS	00745	09.11	35.23	27.30		1499.7							
	CRS	00800	08.41	35.18	27.47		1497.9							
	CRS	00900	07.23	35.14	27.46		1495.0							
	CRS	01000	06.13	35.10	27.64		1492.2							
	CRS	01020	05.91	35.08	27.65		1491.7							
	CRS	01035	06.11	35.15	27.68		1492.4							
	CRS	01075	05.81	35.06	27.68		1490.9							
	CRS	01100	05.36	35.05	27.64		1488.7							
	CRS	01125	05.35	35.06	27.70		1491.1							
	CRS	01135	05.22	35.05	27.71		1490.7							
	CRS	01200	05.15	35.08	27.74		1491.6							
	CRS	01240	05.16	35.10	27.74		1490.4							
	CRS	01300	05.00	35.05	27.77		1490.7							
	CRS	01330	04.94	35.08	27.77		1490.8							
	CRS	01340	04.97	35.05	27.77		1493.2							
	CRS	01400	04.90	35.10	27.75		1493.5							
	CRS	01450	04.76	35.08	27.75		1494.2							
	CRS	01490	04.58	35.02	27.78		1493.2							
	CRS	01500	04.24	35.02	27.79		1493.0							

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TABLE L.—Continued

F10 31 8317 YEAR 1972 BOTOM 04572 AIR TEMP 18.2 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 VSEC 0024 MONTH 05 SHIP 00 WET BULB 16.2 13 1 2 WIND-SPD 09 TRACE DIR 0 5 SQUARE 4  
 T 35 00 N DAY 05 DATA USE 1 BAROMETR 1033.4 SEA WIND-FOR DURATION 03.3 2 SQUARE 48  
 NG 048 05 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E71 02.4 1 SQUARE 58

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIJ3	PH
23.5	08S	00000	18.90	36.41	26.14		1520.7							
	08S	00010	18.87	36.41	26.15		1520.8							
	08S	00020	18.76	36.41	26.18		1520.7							
	08S	00030	18.55	36.39	26.22		1520.2							
	08S	00050	18.12	36.36	26.30		1519.3							
	08S	00075	17.70	36.36	26.40		1518.5							
	08S	00100	17.56	36.36	26.44		1518.5							
	08S	00125	17.32	36.32	26.47		1518.1							
	08S	00150	17.15	36.34	26.52		1518.1							
	08S	00200	16.87	36.29	26.55		1518.0							
	08S	00250	16.48	36.18	26.56		1517.5							
	08S	00260	16.30	36.18	26.60		1517.1							
	08S	00300	16.30	36.20	26.62		1517.8							
	08S	00400	15.37	36.06	26.72		1516.4							
	08S	00500	13.97	35.81	26.84		1513.3							
	08S	00535	13.60	35.77	26.88		1512.6							
	08S	00550	13.29	35.73	26.92		1511.8							
	08S	00565	13.22	35.72	26.92		1511.8							
	08S	00580	12.85	35.67	26.96		1510.7							
	08S	00600	12.66	35.62	26.96		1510.3							
	08S	00700	10.17	35.26	27.14		1502.9							
	08S	00800	08.14	35.11	27.36		1496.8							
	08S	00815	08.07	35.17	27.42		1496.8							
	08S	00830	08.09	35.18	27.42		1497.2							
	08S	00840	08.00	35.17	27.43		1497.0							
	08S	00850	07.86	35.19	27.46		1496.6							
	08S	00900	07.29	35.16	27.52		1495.2							
	08S	00960	06.43	35.11	27.60		1492.8							
	08S	00970	06.54	35.15	27.62		1493.4							
	08S	00985	06.43	35.13	27.62		1493.2							
	08S	01000	06.42	35.14	27.63		1493.4							
	08S	01020	06.59	35.22	27.67		1494.6							
	08S	01080	06.08	35.16	27.69		1493.4							
	08S	01090	06.14	35.20	27.71		1493.9							
	08S	01100	06.15	35.19	27.71		1494.0							
	08S	01130	05.37	35.05	27.69		1491.3							
	08S	01190	05.01	35.04	27.73		1490.8							
	08S	01200	05.05	35.06	27.74		1491.2							
	08S	01260	05.02	35.07	27.75		1492.0							
	08S	01300	05.07	35.09	27.76		1492.2							
	08S	01331	04.73	35.04	27.76		1492.0							
	08S	01345	04.55	35.01	27.76		1491.5							
	08S	01400	04.34	34.99	27.76		1491.5							
	08S	01500	04.16	34.99	27.78		1492.4							

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F10 31 8317 YEAR 1972 BOTOM 04754 AIR TEMP 18.9 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 VSEC 0025 MONTH 05 SHIP 00 WET BULB 16.1 15 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 T 34 58 N DAY 06 DATA USE 1 BAROMETR 1030.4 SEA WIND-FOR DURATION 03.3 2 SQUARE 46  
 NG 047 58 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E71 025 1 SQUARE 47

CASNUM/TIME	LVLTYR	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIJ3	PH
11.7	08S	00000	18.86	36.44	26.17		1520.7							
	08S	00010	18.59	36.41	26.22		1520.0							
	08S	00020	18.38	36.43	26.29		1519.6							
	08S	00030	18.22	36.42	26.32		1519.3							
	08S	00050	18.05	36.38	26.33		1519.1							
	08S	00075	17.72	36.35	26.39		1518.5							
	08S	00100	17.39	36.36	26.48		1518.0							
	08S	00125	17.29	36.36	26.50		1518.1							
	08S	00150	17.10	36.36	26.53		1518.2							
	08S	00200	16.98	36.34	26.56		1518.4							
	08S	00250	16.50	36.25	26.61		1517.7							
	08S	00300	16.21	36.21	26.65		1517.5							
	08S	00400	15.13	36.02	26.75		1515.6							
	08S	00490	14.20	35.84	26.81		1513.9							
	08S	00500	14.03	35.85	26.85		1513.5							
	08S	00520	13.46	35.83	26.85		1513.0							
	08S	00600	12.62	35.56	26.92		1510.1							
	08S	00700	10.57	35.30	27.11		1504.3							
	08S	00790	08.25	35.10	27.33		1497.0							
	08S	00800	08.04	35.15	27.41		1496.4							
	08S	00830	07.79	35.13	27.43		1495.9							
	08S	00850	07.77	35.18	27.47		1496.3							
	08S	00900	07.13	35.14	27.53		1494.6							
	08S	00950	06.47	35.09	27.58		1492.7							
	08S	00990	06.27	35.14	27.65		1492.7							
	08S	01000	06.35	35.17	27.66		1493.2							
	08S	01015	06.55	35.21	27.67		1494.3							
	08S	01020	06.46	35.19	27.66		1494.0							
	08S	01055	05.83	35.09	27.67		1491.9							
	08S	01085	05.41	35.06	27.65		1490.7							
	08S	01100	05.49	35.08	27.70		1491.3							
	08S	01200	05.13	35.05	27.72		1491.5							
	08S	01300	04.99	35.06	27.75		1492.6							
	08S	01320	04.90	35.06	27.76		1492.5							
	08S	01380	04.65	35.07	27.77		1493.4							
	08S	01400	04.79	35.06	27.77		1493.4							
	08S	01490	04.67	35.06	27.78		1494.5							
	08S	01500	04.62	35.04	27.77		1494.4							

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TABLE L.—Continued

FID 31 8317	YEAR 1972	BOTOP 04205	AIR TEMP 18.6	OIP HGT PER	WIND-OIP 15	INST STD RECORDER	TEN SQ 1206
NSEC 0026	MONTH 05	SHIP OG	WET SUB 16.0	16 0 2	WIND-SPO 10	TRACE OIR 0	5 SQUARE 4
T 35 02 N	DAY 06	DATA USE 1	BAROMETP 1029.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
NG 047 54 W	HOOR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG F.71 026	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
23.8	085	00000	19.09	36.44	26.12		1521.3							
	085	00010	18.84	36.43	26.17		1520.8							
	085	00020	18.57	36.43	26.24		1520.2							
	085	00030	18.38	36.44	26.30		1519.8							
	085	00050	18.26	36.42	26.31		1519.8							
	085	00060	17.97	36.34	26.32		1519.0							
	085	00075	17.60	36.37	26.44		1518.2							
	085	00100	17.57	36.37	26.44		1518.5							
	085	00125	17.52	36.37	26.46		1518.8							
	085	00135	17.46	36.35	26.46		1518.8							
	085	00150	17.30	36.35	26.49		1518.5							
	085	00190	17.10	36.35	26.54		1518.6							
	085	00200	17.04	36.34	26.55		1518.6							
	085	00210	16.86	36.30	26.56		1518.1							
	085	00250	16.42	36.21	26.60		1517.4							
	085	00285	15.86	36.07	26.62		1516.1							
	085	00290	15.77	36.11	26.67		1515.9							
	085	00300	15.71	36.09	26.67		1515.9							
	085	00325	15.34	35.99	26.68		1515.0							
	085	00345	15.22	36.00	26.71		1515.0							
	085	00365	14.99	35.96	26.73		1514.5							
	085	00375	15.04	35.99	26.74		1514.9							
	085	00385	14.94	35.97	26.75		1514.7							
	085	00400	14.83	35.98	26.78		1514.6							
	085	00460	14.00	35.82	26.84		1512.7							
	085	00500	13.60	35.78	26.89		1512.0							
	085	00600	12.49	35.61	26.99		1509.8							
	085	00640	11.46	35.42	27.04		1506.6							
	085	00700	10.36	35.32	27.16		1503.6							
	085	00800	07.93	35.08	27.37		1495.9							
	085	00825	07.56	35.07	27.41		1494.9							
	085	00840	07.36	35.12	27.48		1494.4							
	085	00850	07.46	35.15	27.52		1495.1							
	085	00870	07.46	35.18	27.52		1495.4							
	085	00900	07.26	35.20	27.56		1495.2							
	085	00930	06.97	35.19	27.59		1494.5							
	085	00950	06.41	35.11	27.61		1492.5							
	085	01000	05.93	35.08	27.65		1491.4							
	085	01025	05.64	35.07	27.67		1490.6							
	085	01100	05.38	35.06	27.70		1490.8							
	085	01160	05.02	35.03	27.72		1490.3							
	085	01200	05.02	35.05	27.73		1491.0							
	085	01240	04.98	35.04	27.73		1491.5							
	085	01250	04.98	35.07	27.75		1491.7							
	085	01280	05.05	35.07	27.75		1492.5							
	085	01300	04.61	35.00	27.74		1490.9							
	085	01325	04.52	35.00	27.75		1491.0							
	085	01335	04.64	35.04	27.77		1491.7							
	085	01370	04.41	35.00	27.76		1491.3							
	085	01400	04.35	35.00	27.77		1491.5							
	085	01500	04.18	34.99	27.78		1492.5							

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TABLE L.—Continued

FID 31 B317 YEAR 1972 BOTOP 04205 AIR TEMP 19.2 OIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1206  
 JNSEC 0027 MONTH 05 SHIP OG WET BULB 17.0 12 3 3 WIND-SPE 05 TRACE DIR 0 5 SQUARE 4  
 ST 35 03 N DAY 07 DATA USE 1 BAROMETR 1027.0 SEA WIND-FOR DURATION 00.6 2 SQUARE 46  
 JNG 048 02 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER XL DRIG ETI 028 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
11.5	08S	00200	18.83	36.40	26.15		1520.5							
	08S	00010	18.60	36.40	26.21		1520.1							
	08S	00020	18.11	36.36	26.30		1518.9							
	08S	00030	17.81	36.36	26.38		1519.1							
	08S	00050	17.57	36.36	26.44		1517.7							
	08S	00075	17.47	36.36	26.46		1517.8							
	08S	00100	17.43	36.37	26.48		1516.1							
	08S	00125	17.39	36.36	26.48		1516.4							
	08S	00140	17.35	36.37	26.50		1518.5							
	08S	00150	17.44	36.40	26.50		1519.0							
	08S	00200	17.12	36.34	26.53		1516.9							
	08S	00250	16.81	36.27	26.55		1518.6							
	08S	00300	16.01	36.36	26.58		1516.8							
	08S	00315	15.78	36.38	26.65		1516.3							
	08S	00330	15.56	36.02	26.65		1515.8							
	08S	00350	15.45	36.03	26.68		1515.8							
	08S	00360	15.50	36.37	26.70		1516.2							
	08S	00400	14.90	35.96	26.74		1515.0							
	08S	00410	14.82	35.93	26.75		1514.7							
	08S	00420	14.76	35.96	26.78		1514.7							
	08S	00440	14.86	36.01	26.80		1515.4							
	08S	00500	13.83	35.80	26.86		1512.8							
	08S	00600	12.65	35.63	26.97		1510.3							
	08S	00700	10.76	35.34	27.10		1505.1							
	08S	00900	07.96	35.37	27.35		1496.0							
	08S	00930	07.44	35.12	27.47		1494.6							
	08S	00845	07.60	35.18	27.49		1495.5							
	08S	00900	06.80	35.11	27.55		1493.2							
	08S	00910	06.64	35.10	27.57		1492.8							
	08S	00920	06.40	35.09	27.59		1492.0							
	08S	00940	06.37	35.12	27.62		1492.2							
	08S	00950	06.51	35.17	27.64		1493.0							
	08S	01000	05.72	35.05	27.65		1490.5							
	08S	01040	05.26	35.01	27.67		1489.3							
	08S	01100	05.12	35.02	27.70		1489.7							
	08S	01150	04.94	35.00	27.70		1489.8							
	08S	01160	04.91	35.02	27.72		1489.9							
	08S	01200	05.09	35.05	27.73		1491.3							
	08S	01270	04.54	34.98	27.73		1490.3							
	08S	01285	04.80	35.04	27.75		1491.5							
	08S	01300	04.76	35.02	27.74		1491.6							
	08S	01310	04.83	35.04	27.75		1492.1							
	08S	01350	04.82	35.04	27.75		1492.7							
	08S	01360	04.68	35.03	27.76		1492.3							
	08S	01400	04.50	34.99	27.75		1492.1							
	08S	01420	04.31	34.97	27.75		1491.7							
	08S	01500	04.18	34.96	27.76		1492.5							

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FID 31 B317 YEAR 1972 BOTOP 04205 AIR TEMP 19.0 OIR HGT PER WIND-DIR 12 INST STD RECORDER TEN SQ 1206  
 JNSEC 0028 MONTH 05 SHIP OG WET BULB 16.8 12 3 2 WIND-SPE 05 TRACE DIR 0 5 SQUARE 4  
 ST 35 03 N DAY 07 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 00.6 2 SQUARE 46  
 JNG 048 02 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER XL DRIG ETI 028 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
23.5	08S	00000	19.14	36.43	26.10		1521.4							
	08S	00010	18.43	36.31	26.18		1519.5							
	08S	00020	17.96	36.35	26.33		1518.3							
	08S	00030	17.69	36.36	26.41		1517.7							
	08S	00050	17.59	36.37	26.44		1517.8							
	08S	00075	17.56	36.37	26.45		1518.1							
	08S	00100	17.51	36.37	26.46		1518.3							
	08S	00125	17.50	36.37	26.46		1518.7							
	08S	00150	17.40	36.37	26.49		1518.8							
	08S	00200	17.08	36.34	26.54		1518.7							
	08S	00250	16.61	36.23	26.57		1518.0							
	08S	00300	16.01	36.13	26.63		1516.8							
	08S	00370	15.04	35.94	26.70		1514.7							
	08S	00380	15.08	35.98	26.73		1515.1							
	08S	00400	14.94	35.95	26.73		1514.9							
	08S	00410	14.85	35.96	26.76		1514.8							
	08S	00430	14.84	36.00	26.80		1515.2							
	08S	00500	14.12	35.83	26.82		1513.8							
	08S	00600	12.66	35.62	26.96		1510.3							
	08S	00700	10.12	35.23	27.13		1502.6							
	08S	00720	09.62	35.23	27.22		1501.1							
	08S	00740	09.56	35.25	27.24		1501.3							
	08S	00800	08.25	35.12	27.35		1497.2							
	08S	00830	07.61	35.11	27.44		1495.2							
	08S	00850	07.24	35.08	27.47		1494.1							
	08S	00900	06.93	35.08	27.51		1493.7							
	08S	00920	06.78	35.11	27.56		1493.5							
	08S	00940	06.87	35.16	27.58		1494.2							
	08S	01000	05.86	35.07	27.65		1491.1							
	08S	01040	05.30	35.01	27.67		1489.4							
	08S	01070	05.14	35.02	27.70		1489.3							
	08S	01100	05.11	35.01	27.69		1489.7							
	08S	01150	05.11	35.02	27.70		1490.5							
	08S	01200	04.85	34.99	27.71		1490.2							
	08S	01300	04.53	34.98	27.73		1490.6							
	08S	01400	04.37	34.98	27.75		1491.6							
	08S	01420	04.35	34.98	27.75		1491.8							
	08S	01445	04.68	35.04	27.77		1493.7							
	08S	01500	04.66	35.06	27.78		1494.6							

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TABLE L.—Continued

EF 10 31 8317 YEAR 1972 BU TOP 02076 AIR TEMP 14. DIP HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
UNSEC 0029 MONTH 05 SHIP DG WET BULB 17.4 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
AT 34 51 N DAY 09 DATA USE 1 BAROMETR 1020.8 SEA WIND-PRF 00.3 2 SQUARE 46  
CNG 047 59 W HOUR 12.6 AREA 05 CLOUD T/A CL/T/F WEATHER CL CRIG FTL 029 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	XYDPH	SND VEL	JXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.6	DBS	00000	19.00	36.42	26.12		1521.0							
	DBS	00010	18.95	36.42	26.14		1521.1							
	DBS	00020	18.17	36.32	26.26		1518.9							
	DBS	00030	17.74	36.36	26.35		1517.9							
	DBS	00050	17.59	36.37	26.44		1517.4							
	DBS	00075	17.57	36.38	26.45		1518.1							
	DBS	00100	17.51	36.38	26.47		1518.4							
	DBS	00125	17.40	36.36	26.48		1518.4							
	DBS	00150	17.30	36.36	26.50		1518.5							
	DBS	00200	16.92	36.28	26.53		1518.1							
	DBS	00230	16.67	36.24	26.56		1517.8							
	DBS	00240	16.63	36.25	26.58		1517.9							
	DBS	00250	16.65	36.27	26.55		1518.1							
	DBS	00300	16.23	36.18	26.62		1517.6							
	DBS	00400	14.84	35.94	26.74		1514.4							
	DBS	00410	14.81	35.95	26.76		1514.7							
	DBS	00430	14.80	35.97	26.78		1515.0							
	DBS	00500	13.88	35.78	26.83		1513.0							
	DBS	00600	12.42	35.59	26.96		1509.5							
	DBS	00650	11.22	35.35	27.03		1505.4							
	DBS	00700	10.25	35.28	27.15		1503.1							
	DBS	00800	08.16	35.10	27.35		1496.8							
	DBS	00810	07.99	35.07	27.35		1496.3							
	DBS	00860	07.33	35.06	27.44		1494.6							
	DBS	00880	06.94	35.03	27.47		1493.3							
	DBS	00900	06.79	35.05	27.51		1493.1							
	DBS	00940	06.91	35.16	27.58		1494.4							
	DBS	01000	06.43	35.17	27.65		1493.5							
	DBS	01030	06.25	35.18	27.68		1493.3							
	DBS	01070	05.92	35.12	27.68		1492.6							
	DBS	01080	05.69	35.11	27.70		1491.3							
	DBS	01100	05.76	35.13	27.71		1492.5							
	DBS	01125	05.52	35.10	27.71		1491.9							
	DBS	01140	05.64	35.13	27.72		1492.6							
	DBS	01200	05.25	35.07	27.72		1492.0							
	DBS	01210	05.13	35.06	27.73		1491.6							
	DBS	01220	04.95	35.05	27.74		1491.1							
	DBS	01300	04.76	35.03	27.75		1491.6							
	DBS	01325	04.72	35.03	27.75		1491.8							
	DBS	01345	04.81	35.06	27.77		1492.6							
	DBS	01360	04.68	35.03	27.76		1492.3							
	DBS	01380	04.72	35.04	27.76		1492.8							
	DBS	01400	04.65	35.03	27.76		1492.8							
	DBS	01500	04.59	35.06	27.79		1494.3							

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REF ID: 31 8317 YEAR 1972 BU TOP 01104 AIR TEMP 13.7 DIP HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
UNSEC 0030 MONTH 05 SHIP DG WET BULB 17.4 WIND-SPD 10 05 1 2 7 5 SQUARE 44  
AT 35 04 N DAY 08 DATA USE 1 BAROMETR 1019.1 SEA WIND-PRF 00.3 2 SQUARE 47  
CNG 047 49 W HOUR 23.5 AREA 05 CLOUD T/A CL/T/F WEATHER XI CRIG FTL 043 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	XYDPH	SND VEL	JXYG	PJ4	TCT P	NO2	NO3	SI03	PH
23.5	DBS	00000	19.22	36.45	26.07		1521.7							
	DBS	00010	18.37	36.33	26.22		1519.3							
	DBS	00020	17.81	36.36	26.38		1517.9							
	DBS	00030	17.66	36.37	26.42		1517.6							
	DBS	00050	17.54	36.37	26.44		1517.9							
	DBS	00075	17.58	36.37	26.44		1518.1							
	DBS	00100	17.57	36.38	26.45		1518.2							
	DBS	00125	17.55	36.38	26.46		1518.4							
	DBS	00150	17.34	36.37	26.50		1518.7							
	DBS	00200	16.93	36.31	26.55		1518.2							
	DBS	00250	16.40	36.19	26.54		1517.3							
	DBS	00300	15.60	36.01	26.63		1515.4							
	DBS	00315	15.34	36.00	26.68		1514.3							
	DBS	00340	15.40	36.04	26.70		1515.3							
	DBS	00345	15.40	36.03	26.69		1515.8							
	DBS	00360	15.15	35.96	26.70		1514.7							
	DBS	00400	14.47	35.87	26.77		1514.7							
	DBS	00445	14.87	35.99	26.78		1515.3							
	DBS	00460	14.57	35.94	26.81		1514.7							
	DBS	00500	13.97	35.82	26.84		1511.3							
	DBS	00600	12.55	35.67	26.96		1510.0							
	DBS	00650	10.17	35.24	27.13		1502.6							
	DBS	00700	09.89	35.26	27.19		1501.3							
	DBS	00710	09.76	35.26	27.21		1501.7							
	DBS	00750	08.77	35.16	27.30		1498.4							
	DBS	00760	08.76	35.17	27.31		1498.6							
	DBS	00800	07.69	35.09	27.41		1495.0							
	DBS	00850	06.42	35.05	27.45		1492.8							
	DBS	00900	06.83	35.13	27.57		1493.4							
	DBS	00940	06.50	35.17	27.64		1493.6							
	DBS	01000	06.32	35.14	27.64		1493.0							
	DBS	01100	05.65	35.08	27.68		1491.9							
	DBS	01100	05.09	35.04	27.72		1491.3							
	DBS	01235	05.10	35.07	27.74		1492.0							
	DBS	01240	05.14	35.06	27.74		1492.2							
	DBS	01260	04.94	35.06	27.75		1491.5							
	DBS	01270	05.05	35.07	27.75		1492.3							
	DBS	01285	04.99	35.05	27.74		1492.3							
	DBS	01300	04.80	35.04	27.75		1491.8							
	DBS	01400	04.73	35.04	27.75		1493.0							
	DBS	01500	04.55	35.03	27.77		1494.1							

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TABLE L.—Continued

REFID 31 8217 YEAR 1972 ROTDP 04022 AIR TEMP 18.8 DIR HGT PEP WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 05 SHIP DG WET BULB 17.8 12 2 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 09 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 23.7 AREA 05 CLOUD T/A CL/TF WEATHER X1 ORIG ETI 032 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI 13	PH
12.6	CBS	00000	19.47	36.47	26.04		1522.5							
	CBS	00010	19.57	36.46	26.10		1519.9							
	CBS	00020	18.27	36.40	26.24		1519.3							
	CBS	00030	18.20	36.38	26.30		1519.2							
	CBS	00050	17.60	36.32	26.40		1517.7							
	CBS	00075	17.30	36.27	26.47		1517.2							
	CBS	00100	17.02	36.24	26.52		1516.8							
	CBS	00125	16.40	36.28	26.54		1516.6							
	CBS	00150	16.63	36.25	26.58		1516.4							
	CBS	00200	16.18	36.19	26.64		1515.9							
	CBS	00220	16.17	36.19	26.64		1516.1							
	CBS	00250	15.73	36.10	26.67		1515.1							
	CBS	00300	15.20	36.01	26.72		1514.2							
	CBS	00400	14.14	35.86	26.84		1512.3							
	CBS	00500	12.76	35.64	26.95		1509.1							
	CBS	00600	10.99	35.39	27.10		1504.3							
	CBS	00700	09.00	35.15	27.29		1498.5							
	CBS	00750	08.15	35.07	27.32		1495.9							
	CBS	00800	07.43	35.09	27.45		1494.0							
	CBS	00900	06.45	35.11	27.60		1491.9							
	CBS	01000	05.74	35.09	27.67		1490.8							
	CBS	01035	05.69	35.09	27.68		1491.0							
	CBS	01055	05.77	35.11	27.69		1491.7							
	CBS	01080	05.53	35.09	27.70		1491.1							
	CBS	01100	05.52	35.09	27.71		1491.4							
	CBS	01110	05.56	35.11	27.72		1491.8							
	CBS	01200	05.10	35.05	27.72		1491.3							
	CBS	01270	05.02	35.05	27.73		1491.4							
	CBS	01230	05.00	35.07	27.75		1491.5							
	CBS	01250	05.11	35.08	27.75		1492.3							
	CBS	01280	04.94	35.05	27.74		1492.0							
	CBS	01300	04.96	35.07	27.76		1492.5							
	CBS	01340	04.83	35.15	27.76		1492.6							
	CBS	01370	04.30	35.07	27.76		1493.4							
	CBS	01400	04.68	35.04	27.77		1493.0							
	CBS	01440	04.50	35.01	27.76		1492.3							
	CBS	01500	04.35	35.01	27.78		1493.2							

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REFID 31 8317 YEAR 1972 ROTDP 04022 AIR TEMP 18.8 DIR HGT PEP WIND-DIR 05 INST STD RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 05 SHIP DG WET BULB 17.8 12 2 3 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 13 N DAY 09 DATA USE 1 BAROMETR 1022.2 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 52 W HOUR 23.7 AREA 05 CLOUD T/A CL/TF WEATHER X1 ORIG ETI 032 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	GYN DPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI 13	PH
23.7	CBS	00000	19.51	36.48	26.04		1522.5							
	CBS	00010	19.34	36.46	26.07		1522.2							
	CBS	00020	19.15	36.44	26.09		1521.9							
	CBS	00030	18.75	36.42	26.18		1520.8							
	CBS	00050	18.40	36.43	26.28		1520.7							
	CBS	00075	18.12	36.39	26.32		1519.7							
	CBS	00100	17.69	36.35	26.40		1518.8							
	CBS	00125	17.35	36.33	26.47		1518.2							
	CBS	00150	17.27	36.35	26.50		1518.4							
	CBS	00200	17.08	36.34	26.54		1518.7							
	CBS	00250	16.54	36.25	26.60		1517.8							
	CBS	00300	15.79	36.09	26.65		1516.1							
	CBS	00370	15.16	35.95	26.65		1515.1							
	CBS	00400	14.87	35.96	26.76		1514.7							
	CBS	00440	14.78	35.98	26.79		1515.1							
	CBS	00500	13.82	35.79	26.85		1512.8							
	CBS	00600	12.20	35.54	26.99		1508.7							
	CBS	00700	10.27	35.30	27.12		1503.2							
	CBS	00800	08.37	35.14	27.35		1497.7							
	CBS	00840	07.36	35.09	27.45		1494.4							
	CBS	00900	06.91	35.15	27.57		1493.7							
	CBS	00910	06.91	35.16	27.59		1493.9							
	CBS	00940	06.16	35.10	27.63		1491.7							
	CBS	01000	06.03	35.10	27.65		1491.8							
	CBS	01020	05.93	35.10	27.66		1491.8							
	CBS	01045	05.62	35.05	27.66		1490.9							
	CBS	01075	05.42	35.05	27.65		1490.5							
	CBS	01090	05.45	35.08	27.71		1491.0							
	CBS	01100	05.51	35.09	27.71		1491.4							
	CBS	01110	05.56	35.11	27.72		1491.8							
	CBS	01135	05.55	35.11	27.72		1492.2							
	CBS	01200	04.81	35.02	27.73		1490.2							
	CBS	01210	04.86	35.03	27.74		1490.5							
	CBS	01220	04.77	35.01	27.72		1490.2							
	CBS	01240	04.77	35.02	27.74		1490.6							
	CBS	01300	04.63	35.00	27.75		1490.6							
	CBS	01400	04.41	35.00	27.76		1491.7							
	CBS	01470	04.26	34.94	27.77		1492.3							
	CBS	01500	04.27	35.00	27.78		1492.9							

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TABLE L.—Continued

REFID 31	B317	YEAR 1972	BOTOP 02377	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 06	INST STO RECORDER	TEN SQ 1206
CONSEC 0033	MONTH 05	SHIP 06	WET BULB 18.5	DIR 08 3 2	WIND-SPO 16	TRACE DIR 0	5 SQUARE 4	
LAT 35 04 N	DAY 10	DATA USE 1	BAROMETR 1021.8	SEA	WIND-FJR	DURATION 00.4	2 SQUARE 46	
LONG 047 58 W	HRUR 11.6	AREA 05	CLOUD T/A	CLTR	WEATHER X1	ORIG E71 033	1 SQUARE 57	

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
11.6	OBS	00000	19.33	36.44	26.05		1522.0							
	OBS	00010	19.31	36.44	26.06		1522.1							
	OBS	00020	18.85	36.40	26.15		1520.9							
	OBS	00030	18.57	36.43	26.24		1520.3							
	OBS	00050	18.31	36.38	26.27		1519.9							
	OBS	00075	17.85	36.36	26.37		1518.9							
	OBS	00100	17.37	36.33	26.46		1517.9							
	OBS	00125	17.08	36.32	26.52		1517.4							
	OBS	00150	16.93	36.29	26.54		1517.4							
	OBS	00200	16.60	36.25	26.59		1517.1							
	OBS	00250	16.26	36.20	26.63		1516.9							
	OBS	00300	15.83	36.14	26.68		1516.3							
	OBS	00400	14.60	35.93	26.79		1513.8							
	OBS	00500	13.23	35.69	26.90		1510.7							
	OBS	00600	11.58	35.45	27.04		1506.4							
	OBS	00700	09.62	35.23	27.22		1500.8							
	OBS	00800	07.95	35.10	27.38		1496.0							
	OBS	00840	07.43	35.06	27.43		1494.6							
	OBS	00860	07.18	35.11	27.50		1494.1							
	OBS	00900	06.55	35.07	27.56		1492.2							
	OBS	00910	06.46	35.08	27.58		1492.0							
	OBS	00950	06.51	35.15	27.62		1493.0							
	OBS	01000	06.38	35.16	27.65		1493.3							
	OBS	01050	05.70	35.05	27.65		1491.3							
	OBS	01060	05.50	35.07	27.69		1490.7							
	OBS	01100	05.40	35.06	27.70		1490.9							
	OBS	01110	05.03	35.01	27.70		1489.5							
	OBS	01140	04.95	35.01	27.71		1489.7							
	OBS	01155	05.03	35.01	27.70		1490.3							
	OBS	01200	04.77	34.99	27.72		1489.9							
	OBS	01235	04.53	34.97	27.73		1489.5							
	OBS	01250	04.68	35.01	27.74		1490.4							
	OBS	01270	04.52	34.98	27.74		1490.0							
	OBS	01280	04.55	35.00	27.75		1490.4							
	OBS	01300	04.76	35.03	27.75		1491.6							
	OBS	01370	04.52	35.01	27.76		1491.8							
	OBS	01400	04.50	35.01	27.76		1492.2							
	OBS	01430	04.38	34.99	27.76		1492.2							
	OBS	01450	04.42	35.00	27.76		1492.7							
	OBS	01460	04.38	34.99	27.76		1492.7							
	OBS	01500	04.36	35.01	27.78		1493.3							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 04480 AIR TEMP 19.6 DIR HGT PER #IND-DIR 11 INST STD RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 05 SHIP DG WET BULB 18.8 11 1 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 34 50 N DAY 10 DATA USE 1 BAROMETER 1020.6 SEA WIND-FEA DURATION 00.3 2 SQUARE 46  
 LONG 047 56 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 CELS ETL 034 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PU4	TCT P	NO2	NO3	SIG3	PH
23.7	0BS	00000	19.38	36.44	26.04		1522.1							
	0BS	00010	19.22	36.42	26.07		1521.8							
	0BS	00020	19.05	36.42	26.12		1521.9							
	0BS	00030	18.27	36.39	26.25		1519.4							
	0BS	00050	17.77	36.35	26.38		1518.3							
	0BS	00075	17.58	36.37	26.44		1518.1							
	0BS	00100	17.55	36.37	26.45		1518.4							
	0BS	00125	17.43	36.36	26.47		1518.5							
	0BS	00150	17.20	36.36	26.51		1518.2							
	0BS	00200	16.93	36.29	26.54		1518.2							
	0BS	00250	16.31	36.19	26.61		1517.0							
	0BS	00300	15.92	36.13	26.65		1516.6							
	0BS	00330	15.35	36.00	26.68		1515.1							
	0BS	00400	14.89	35.97	26.71		1514.8							
	0BS	00450	14.82	36.01	26.61		1515.4							
	0BS	00500	14.33	35.85	26.82		1514.5							
	0BS	00570	13.11	35.72	26.95		1511.5							
	0BS	00600	12.68	35.65	26.98		1510.5							
	0BS	00630	12.05	35.49	26.98		1508.6							
	0BS	00650	11.67	35.49	27.05		1507.6							
	0BS	00700	10.20	35.28	27.15		1503.0							
	0BS	00800	08.09	35.09	27.35		1456.5							
	0BS	00820	07.84	35.06	27.37		1495.9							
	0BS	00835	07.48	35.11	27.46		1494.8							
	0BS	00850	07.68	35.18	27.48		1495.9							
	0BS	00860	07.68	35.19	27.45		1496.1							
	0BS	00890	07.39	35.17	27.52		1495.5							
	0BS	00900	07.29	35.22	27.57		1495.3							
	0BS	01000	05.99	35.08	27.64		1491.6							
	0BS	01020	05.66	35.07	27.67		1490.6							
	0BS	01050	05.54	35.05	27.67		1490.6							
	0BS	01060	05.57	35.07	27.68		1490.9							
	0BS	01100	05.28	35.03	27.65		1490.4							
	0BS	01136	05.09	35.03	27.71		1490.2							
	0BS	01150	05.18	35.05	27.71		1490.8							
	0BS	01200	05.14	35.06	27.73		1491.5							
	0BS	01230	05.09	35.05	27.73		1491.8							
	0BS	01250	04.74	35.00	27.73		1490.6							
	0BS	01275	04.96	35.07	27.76		1492.1							
	0BS	01300	04.93	35.06	27.75		1492.3							
	0BS	01320	04.66	35.02	27.75		1491.5							
	0BS	01370	04.87	35.07	27.77		1493.3							
	0BS	01400	04.63	35.03	27.76		1492.7							
	0BS	01435	04.47	35.02	27.77		1492.6							
	0BS	01450	04.56	35.04	27.78		1493.3							
	0BS	01470	04.33	34.99	27.76		1492.6							
	0BS	01500	04.21	34.99	27.78		1492.6							

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REFID 31 8317 YEAR 1972 BOTDP 04308 AIR TEMP 20.4 DIR HGT PER #IND-DIR 17 INST STD RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 05 SHIP DG WET BULB 18.8 17 1 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 11 DATA USE 1 BAROMETER 1018.2 SEA WIND-FEA DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 11.9 AREA C5 CLOUD T/A CL/TR WEATHER X1 CELS ETL 035 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	UXYG	PU4	TCT P	NO2	NO3	SIG3	PH
11.9	0BS	00000	19.47	36.47	26.04		1522.4							
	0BS	00010	19.43	36.46	26.04		1522.4							
	0BS	00020	19.30	36.41	26.04		1522.2							
	0BS	00030	18.56	36.40	26.22		1520.3							
	0BS	00050	18.35	36.42	26.25		1520.0							
	0BS	00075	17.59	36.38	26.45		1518.2							
	0BS	00100	17.44	36.37	26.48		1518.1							
	0BS	00125	17.31	36.36	26.50		1518.2							
	0BS	00150	17.14	36.34	26.53		1518.0							
	0BS	00200	16.86	36.30	26.56		1518.0							
	0BS	00250	16.31	36.20	26.62		1517.0							
	0BS	00300	15.99	36.15	26.65		1516.8							
	0BS	00365	15.60	36.11	26.71		1516.6							
	0BS	00400	14.91	35.97	26.76		1514.9							
	0BS	00450	14.55	35.95	26.82		1514.5							
	0BS	00460	14.57	35.97	26.83		1514.8							
	0BS	00500	14.09	35.84	26.85		1513.7							
	0BS	00600	12.44	35.60	26.95		1509.6							
	0BS	00700	10.10	35.28	27.17		1502.6							
	0BS	00800	07.88	35.09	27.38		1495.7							
	0BS	00850	07.15	35.10	27.45		1493.9							
	0BS	00900	07.29	35.20	27.54		1495.3							
	0BS	00955	06.33	35.10	27.61		1492.3							
	0BS	01000	05.96	35.12	27.67		1491.6							
	0BS	01045	05.42	35.06	27.65		1490.1							
	0BS	01080	05.40	35.06	27.70		1490.6							
	0BS	01100	05.17	35.03	27.70		1489.9							
	0BS	01115	04.95	35.02	27.72		1489.3							
	0BS	01140	04.91	35.03	27.73		1489.5							
	0BS	01160	05.00	35.05	27.74		1490.3							
	0BS	01200	04.98	35.06	27.75		1490.9							
	0BS	01220	05.03	35.07	27.75		1491.4							
	0BS	01300	04.53	35.00	27.76		1490.6							
	0BS	01350	04.41	34.99	27.76		1490.9							
	0BS	01400	04.41	35.01	27.77		1491.8							
	0BS	01420	04.35	34.99	27.76		1491.9							
	0BS	01500	04.25	34.99	27.77		1492.8							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BCTOP 04114 AIR TEMP 19.4 DIR HGT PER WIND-DIR 21 INST STD RECDROER TEN SQ 1206  
 CONSEC 0036 MONTH 05 SHIP DG WET BULB 13.0 21 2 2 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 04 N DAY 11 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 50 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHEP X1 DRIG E71 036 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	P34	TOT P	ND2	NO3	STD3	PH
23.7	DBS	00000	19.58	36.46	26.00		1522.7							
	DBS	00010	19.58	36.46	26.00		1522.9							
	DBS	00020	19.14	36.37	26.05		1521.7							
	DBS	00030	18.22	36.36	26.28		1519.2							
	DBS	00050	17.62	36.38	26.44		1517.9							
	DBS	00075	17.55	36.38	26.46		1518.1							
	DBS	00100	17.43	36.38	26.49		1518.1							
	DBS	00125	17.27	36.35	26.50		1518.0							
	DBS	00150	17.11	36.35	26.54		1518.0							
	DBS	00200	16.69	36.27	26.58		1517.4							
	DBS	00250	16.24	36.19	26.62		1516.8							
	DBS	00300	15.81	36.12	26.67		1516.2							
	DBS	00350	15.24	35.99	26.70		1515.1							
	DBS	00400	14.96	35.99	26.76		1515.0							
	DBS	00430	14.77	35.99	26.80		1514.9							
	DBS	00440	14.60	36.02	26.82		1515.2							
	DBS	00500	14.18	35.88	26.85		1514.1							
	DBS	00600	12.46	35.62	27.00		1509.7							
	DBS	00700	10.15	35.30	27.18		1502.8							
	DBS	00800	07.96	35.11	27.39		1496.1							
	DBS	00840	07.38	35.07	27.44		1494.5							
	DBS	00860	07.22	35.09	27.45		1494.2							
	DBS	00890	07.20	35.12	27.51		1494.7							
	DBS	00900	07.41	35.19	27.53		1495.7							
	DBS	00955	06.51	35.13	27.61		1493.0							
	DBS	00960	06.62	35.18	27.63		1493.6							
	DBS	00965	06.57	35.16	27.62		1493.5							
	DBS	01000	06.17	35.10	27.63		1492.4							
	DBS	01022	05.74	35.06	27.65		1491.0							
	DBS	01040	05.86	35.13	27.65		1491.9							
	DBS	01050	05.63	35.09	27.65		1491.0							
	DBS	01100	05.28	35.07	27.72		1490.4							
	DBS	01200	05.03	35.05	27.73		1491.1							
	DBS	01255	04.73	35.03	27.75		1490.7							
	DBS	01300	04.68	35.03	27.76		1491.3							
	DBS	01360	04.53	35.02	27.77		1491.6							
	DBS	01390	04.65	35.05	27.76		1492.7							
	DBS	01400	04.43	35.01	27.77		1491.9							
	DBS	01500	04.31	35.02	27.79		1493.1							

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REFID 31 8317 YEAR 1972 BCTOP 04389 AIR TEMP 16.0 DIR HGT PER WIND-DIR 01 INST STD RECDROER TEN SQ 1206  
 CONSEC 0037 MONTH 05 SHIP DG WET BULB 14.5 01 3 2 WIND-SPD 23 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 49 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 DRIG E71 037 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	P34	TOT P	ND2	NO3	STD3	PH
11.6	DBS	00000	19.41	36.42	26.02		1522.2							
	DBS	00010	19.04	36.33	26.04		1521.2							
	DBS	00020	18.47	36.44	26.27		1519.9							
	DBS	00030	18.32	36.42	26.30		1519.6							
	DBS	00050	17.78	36.37	26.39		1518.3							
	DBS	00075	17.49	36.37	26.46		1517.9							
	DBS	00100	17.35	36.37	26.50		1517.9							
	DBS	00125	17.25	36.37	26.52		1518.0							
	DBS	00150	17.11	36.37	26.56		1518.0							
	DBS	00200	16.75	36.30	26.59		1517.7							
	DBS	00205	16.72	36.29	26.59		1517.6							
	DBS	00214	16.80	36.33	26.60		1518.1							
	DBS	00250	16.49	36.27	26.63		1517.7							
	DBS	00300	15.68	36.09	26.68		1515.8							
	DBS	00400	14.80	35.97	26.78		1514.5							
	DBS	00500	13.66	35.79	26.89		1512.2							
	DBS	00600	12.51	35.64	27.00		1509.9							
	DBS	00700	10.15	35.30	27.18		1502.8							
	DBS	00800	07.97	35.07	27.35		1496.1							
	DBS	00849	07.10	35.11	27.51		1493.6							
	DBS	00900	07.17	35.19	27.56		1494.8							
	DBS	00915	07.17	35.20	27.57		1495.1							
	DBS	01000	06.17	35.12	27.65		1492.4							
	DBS	01015	06.05	35.12	27.66		1492.2							
	DBS	01025	06.20	35.17	27.68		1493.0							
	DBS	01055	06.16	35.17	27.69		1493.4							
	DBS	01070	05.90	35.16	27.71		1492.6							
	DBS	01090	06.02	35.18	27.71		1493.4							
	DBS	01100	05.70	35.10	27.69		1492.2							
	DBS	01120	05.28	35.06	27.71		1490.8							
	DBS	01200	05.02	35.07	27.75		1491.0							
	DBS	01225	05.09	35.08	27.75		1491.8							
	DBS	01240	04.99	35.06	27.75		1491.6							
	DBS	01250	05.09	35.08	27.75		1492.2							
	DBS	01270	04.99	35.07	27.75		1492.1							
	DBS	01280	05.08	35.11	27.77		1492.7							
	DBS	01300	04.91	35.06	27.75		1492.3							
	DBS	01340	04.53	35.01	27.76		1491.3							
	DBS	01350	04.51	35.02	27.77		1491.4							
	DBS	01365	04.69	35.05	27.77		1492.4							
	DBS	01375	04.57	35.05	27.79		1492.1							
	DBS	01400	04.69	35.06	27.78		1493.0							
	DBS	01440	04.69	35.06	27.78		1493.7							
	DBS	01450	04.64	35.05	27.78		1493.6							
	DBS	01500	04.63	35.07	27.79		1494.5							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTDP 05761 AIR TEMP 19.8 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1206  
 CONSEC 0036 MONTH 05 SHIP DG MET BULB 17.0 19 3 2 WIND-SPD 02 TRACE DIR 0 5 SQUARE 2  
 LAT 34 51 N DAY 13 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 50 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 038 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
00.3	DBS	0000	19.43	36.42	26.01		1522.2							
	DBS	0010	18.80	36.39	26.14		1520.6							
	DBS	0020	18.61	36.43	26.23		1520.3							
	DBS	0030	18.47	36.45	26.28		1520.1							
	DBS	0050	18.20	36.42	26.32		1519.6							
	DBS	0075	17.82	36.39	26.40		1518.9							
	DBS	0100	17.53	36.37	26.45		1518.4							
	DBS	0125	17.32	36.35	26.49		1518.2							
	DBS	0150	17.21	36.37	26.52		1518.3							
	DBS	0200	16.87	36.30	26.56		1518.0							
	DBS	0250	16.47	36.24	26.61		1517.6							
	DBS	0285	15.87	36.13	26.66		1516.2							
	DBS	0300	15.95	36.15	26.66		1516.7							
	DBS	0325	15.94	36.15	26.66		1517.1							
	DBS	0350	15.26	36.02	26.71		1515.3							
	DBS	0360	15.38	36.05	26.71		1515.8							
	DBS	0375	15.08	36.00	26.74		1515.0							
	DBS	0390	15.18	36.06	26.77		1515.7							
	DBS	0400	15.04	36.03	26.77		1515.3							
	DBS	0500	13.91	35.85	26.86		1513.1							
	DBS	0600	12.36	35.60	27.00		1509.3							
	DBS	0700	10.03	35.23	27.15		1502.3							
	DBS	0770	08.56	35.15	27.35		1497.9							
	DBS	0780	08.44	35.16	27.35		1497.6							
	DBS	0790	08.50	35.20	27.37		1498.1							
	DBS	0800	08.39	35.14	27.39		1497.9							
	DBS	0855	07.64	35.18	27.45		1495.9							
	DBS	0900	07.41	35.22	27.55		1495.8							
	DBS	0930	07.25	35.21	27.57		1495.6							
	DBS	0955	06.87	35.15	27.59		1494.5							
	DBS	1070	06.52	35.15	27.62		1493.4							
	DBS	0990	06.62	35.21	27.66		1494.2							
	DBS	1000	06.36	35.17	27.66		1493.2							
	DBS	1055	05.81	35.12	27.69		1491.9							
	DBS	1070	06.11	35.19	27.71		1493.4							
	DBS	1100	05.54	35.09	27.70		1491.5							
	DBS	1110	05.47	35.09	27.71		1491.4							
	DBS	1120	05.52	35.11	27.72		1491.8							
	DBS	1100	05.12	35.07	27.74		1491.5							
	DBS	1120	05.03	35.07	27.75		1491.4							
	DBS	11240	05.07	35.09	27.76		1491.9							
	DBS	1155	04.99	35.09	27.77		1491.9							
	DBS	11290	05.23	35.14	27.78		1493.5							
	DBS	11300	05.19	35.13	27.78		1493.5							
	DBS	11350	04.70	35.05	27.77		1492.2							
	DBS	11400	04.48	35.03	27.78		1492.1							
	DBS	11500	04.33	35.02	27.79		1493.2							

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REFID 31 8317 YEAR 1972 BOTDP 04846 AIR TEMP 18.6 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1206  
 CONSEC 0039 MONTH 05 SHIP DG MET BULB 15.5 31 1 2 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 34 47 N DAY 14 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 48  
 LONG 048 04 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E71 039 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P34	TOT P	N02	N03	S103	PH
11.8	DBS	0000	19.41	36.45	26.04		1522.2							
	DBS	0010	19.33	36.44	26.05		1522.1							
	DBS	0020	18.74	36.41	26.18		1520.6							
	DBS	0030	18.22	36.39	26.30		1519.3							
	DBS	0050	17.76	36.39	26.41		1518.3							
	DBS	0075	17.48	36.38	26.47		1517.9							
	DBS	0100	17.43	36.38	26.45		1518.1							
	DBS	0125	17.36	36.37	26.50		1518.3							
	DBS	0150	17.27	36.37	26.52		1518.5							
	DBS	0200	16.47	36.33	26.56		1518.3							
	DBS	0250	16.51	36.25	26.61		1517.7							
	DBS	0300	16.05	36.17	26.65		1517.0							
	DBS	0380	15.39	36.03	26.70		1516.1							
	DBS	0390	15.33	36.07	26.74		1516.1							
	DBS	0400	15.45	36.10	26.74		1516.7							
	DBS	0500	14.14	35.88	26.85		1513.9							
	DBS	0600	12.51	35.60	26.97		1509.8							
	DBS	0700	10.15	35.24	27.13		1502.7							
	DBS	0715	09.70	35.18	27.16		1501.3							
	DBS	0740	09.31	35.25	27.28		1500.3							
	DBS	0750	09.16	35.22	27.28		1499.9							
	DBS	0800	08.48	35.20	27.38		1498.2							
	DBS	0900	07.54	35.21	27.53		1496.3							
	DBS	1000	06.51	35.17	27.64		1493.8							
	DBS	1010	06.32	35.13	27.63		1493.2							
	DBS	1100	05.49	35.08	27.70		1491.3							
	DBS	1140	05.37	35.10	27.73		1491.5							
	DBS	1160	05.44	35.11	27.73		1492.1							
	DBS	11200	05.26	35.09	27.74		1492.0							
	DBS	11240	05.24	35.11	27.76		1492.7							
	DBS	11280	05.12	35.10	27.76		1492.8							
	DBS	11300	05.14	35.12	27.77		1493.3							
	DBS	11320	05.20	35.13	27.78		1493.9							
	DBS	11400	05.00	35.11	27.78		1494.4							
	DBS	11500	04.67	35.07	27.75		1494.6							

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TABLE L.—Continued

REFID 31 8317 YEAR 1972 BOTOP 03658 AIR TEMP 19.5 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1206  
 ONSEC 0040 MONTH 05 SHIP DG WET BULB 19.5 02 2 2 WIND-SPD 06 TRACE DIR 0 5 SQUARE 2  
 LAT 36 52 N DAY 14 DATA USE 1 BAROMETR 1027.0 SEA WIND-FREQ DURATION 00.3 2 SQUARE 48  
 LONG 048 10 W HOUR 23.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETI 040 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SIG3	PH
23.9	OBS	0000	19.61	36.44	25.98		1522.3							
	OBS	00010	19.58	36.46	26.00		1522.9							
	OBS	00020	19.41	36.42	26.02		1522.5							
	OBS	00030	18.64	36.32	26.14		1520.4							
	OBS	00050	18.06	36.40	26.35		1519.2							
	OBS	00075	17.79	36.39	26.41		1518.8							
	OBS	00100	17.55	36.39	26.46		1518.5							
	OBS	00125	17.43	36.38	26.49		1518.5							
	OBS	00150	17.28	36.36	26.51		1518.5							
	OBS	00200	16.91	36.32	26.57		1518.2							
	OBS	00250	16.76	36.28	26.57		1518.5							
	OBS	00300	16.34	36.25	26.65		1518.0							
	OBS	00400	15.05	36.04	26.78		1515.4							
	OBS	00500	13.80	35.81	26.87		1512.7							
	OBS	00600	12.65	35.62	26.96		1510.3							
	OBS	00700	10.39	35.34	27.17		1503.7							
	OBS	00800	08.58	35.20	27.36		1498.5							
	OBS	00855	07.49	35.09	27.44		1495.2							
	OBS	00880	06.98	35.13	27.54		1493.6							
	OBS	00900	06.68	35.10	27.56		1492.8							
	OBS	01000	05.76	35.07	27.66		1490.7							
	OBS	01070	05.09	35.02	27.70		1489.1							
	OBS	01100	04.96	35.01	27.71		1489.0							
	OBS	01200	04.71	35.00	27.73		1489.7							
	OBS	01230	04.63	35.01	27.75		1489.9							
	OBS	01250	04.71	35.03	27.75		1490.6							
	OBS	01300	04.57	35.01	27.75		1490.8							
	OBS	01320	04.55	35.02	27.76		1491.1							
	OBS	01380	04.88	35.08	27.77		1493.5							
	OBS	01400	04.73	35.06	27.78		1493.2							
	OBS	01460	04.77	35.07	27.78		1494.4							
	OBS	01500	04.60	35.08	27.81		1494.4							

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REFID 31 8317 YEAR 1972 BOTOP 05486 AIR TEMP 16.7 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1206  
 ONSEC 0041 MONTH 05 SHIP DG WET BULB 16.7 07 2 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 36 42 N DAY 16 DATA USE 1 BAROMETR 1027.2 SEA WIND-FREQ DURATION 00.3 2 SQUARE 68  
 LONG 049 52 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETI 01E 1 SQUARE 69

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P24	TOT P	NO2	NO3	SIG3	PH
11.8	OBS	0000	18.77	36.46	26.21		1520.4							
	OBS	00010	18.77	36.46	26.21		1520.6							
	OBS	00020	18.76	36.46	26.22		1520.7							
	OBS	00030	18.74	36.46	26.22		1520.8							
	OBS	00050	18.68	36.46	26.24		1521.0							
	OBS	00075	18.34	36.44	26.31		1520.4							
	OBS	00100	18.10	36.43	26.36		1520.1							
	OBS	00125	17.59	36.43	26.35		1520.2							
	OBS	00150	17.92	36.43	26.40		1520.4							
	OBS	00200	17.75	36.42	26.44		1520.8							
	OBS	00250	17.70	36.42	26.45		1521.4							
	OBS	00300	17.65	36.42	26.46		1522.1							
	OBS	00355	17.54	36.40	26.47		1522.7							
	OBS	00370	17.59	36.43	26.49		1523.1							
	OBS	00400	17.39	36.41	26.52		1523.0							
	OBS	00450	17.05	36.35	26.56		1522.7							
	OBS	00500	16.97	36.34	26.57		1523.3							
	OBS	00540	16.56	36.23	26.56		1522.6							
	OBS	00550	16.66	36.28	26.59		1523.1							
	OBS	00560	16.57	36.27	26.61		1523.0							
	OBS	00600	16.07	36.16	26.64		1522.0							
	OBS	00700	14.30	35.87	26.81		1517.7							
	OBS	00800	11.90	35.49	27.01		1510.9							
	OBS	00850	10.76	35.36	27.12		1507.6							
	OBS	00900	08.68	35.01	27.20		1500.3							
	OBS	00915	08.37	34.95	27.20		1499.3							
	OBS	00940	08.05	34.59	27.28		1498.6							
	OBS	00950	08.08	35.00	27.28		1498.9							
	OBS	00980	07.17	34.94	27.37		1495.8							
	OBS	01000	07.18	35.00	27.41		1496.2							
	OBS	01035	06.88	35.01	27.46		1495.7							
	OBS	01040	07.01	35.09	27.51		1496.4							
	OBS	01100	06.30	35.05	27.57		1494.5							
	OBS	01150	06.14	35.77	27.61		1494.7							
	OBS	01200	05.75	35.07	27.66		1494.0							
	OBS	01300	05.44	35.09	27.72		1494.5							
	OBS	01400	05.03	35.08	27.76		1494.4							
	OBS	01500	04.83	35.07	27.77		1495.3							

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TABLE LI.—Observed and interpolated oceanographic data for stations taken by USCGC SHERMAN at Ocean Station ECHO, 17 May 1972 - 10 June 1972, prepared from NODC listing No. 31 - 8322.

REFID	31	8322	YEAR	1972	BOTOP	02377	AIR TEMP	12.2	OIR HGT	PER	WIND-DIR	23	INST STD RECORDER	TEN SQ	1308	
CONSEC		0001	MONTH	05	SHIP LH		WET BULB	10.5	20	2	WIND-SPD	12	TRACE DIR	0	5 SQUARE	2
LAT	41	33.3N	DAY	14	DATA USE	1	BAROMETR	1027.2	SEA		WIND-FJR		DURATION	00.5	2 SQUARE	04
LONG	065	25 W	HOUR	16.4	AREA	05	CLLOUD T/A		CL/TR		WEATHER	XJ	ORIG EEN 01E		1 SQUARE	15

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	JAYG	P14	TGT P	N02	N03	SI03	PH
16.4	08S	00000	07.22	32.49	25.44		1476.6							
	08S	00010	06.38	32.78	25.78		1473.8							
	08S	00020	06.43	32.90	25.86		1474.9							
	08S	00030	07.22	33.32	26.09		1478.2							
	08S	00040	07.41	33.44	26.16		1479.5							
	08S	00050	07.31	33.55	26.26		1479.2							
	08S	00060	07.25	33.66	26.35		1477.5							
	08S	00075	07.54	33.93	26.52		1481.0							
	08S	00100	09.15	34.57	26.78		1485.3							
	08S	00110	09.70	34.78	26.85		1490.8							
	08S	00116	09.34	34.69	26.85		1488.4							
	08S	00125	09.39	34.90	27.00		1490.1							
	08S	00150	09.43	34.95	27.03		1490.7							
	08S	00175	09.57	35.00	27.04		1491.7							
	08S	00200	09.14	35.03	27.13		1493.7							
	08S	00230	08.82	35.05	27.21		1489.7							
	08S	00250	08.17	35.00	27.27		1487.7							
	08S	00300	07.63	35.01	27.36		1486.4							
	08S	00400	06.24	34.94	27.45		1482.5							
	08S	00500	05.63	34.95	27.60		1481.5							
	08S	00560	05.00	34.94	27.65		1480.2							
	08S	00600	04.93	34.96	27.67		1480.6							
	08S	00700	04.81	34.95	27.70		1481.8							
	08S	00800	04.55	34.97	27.72		1482.3							
	08S	00830	04.50	34.97	27.73		1482.6							
	08S	00840	04.59	35.01	27.75		1483.2							
	08S	00900	04.42	34.99	27.75		1483.5							
	08S	01000	04.31	34.99	27.77		1484.7							
	08S	01100	04.15	34.93	27.78		1485.7							
	08S	01200	04.10	34.98	27.78		1487.1							
	08S	01300	04.00	34.98	27.75		1488.4							
	08S	01400	03.94	34.98	27.80		1489.3							
	08S	01500	03.87	34.98	27.81		1491.2							

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REFID	31	8322	YEAR	1972	BOTOP	04936	AIR TEMP	16.6	OIR HGT	PER	WIND-DIR	18	INST STD RECORDER	TEN SQ	1207		
CONSEC		0002	MONTH	05	SHIP LH		WET BULB	11.6	18	2	2	WIND-SPD	18	TRACE DIR	0	5 SQUARE	4
LAT	39	34 N	DAY	15	DATA USE	1	BAROMETR	1032.7	SEA		WIND-FJR		DURATION	00.6	2 SQUARE	88	
LONG	059	08 W	HOUR	12.2	AREA	05	CLLOUD T/A		CL/TR		WEATHER	XI	ORIG EEN 02E		1 SQUARE	99	

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	JAYG	P14	TGT P	N02	N03	SI03	PH
12.2	08S	00000	19.97	36.40	25.85		1523.7							
	08S	00010	19.97	36.40	25.85		1523.9							
	08S	00020	19.97	36.40	25.85		1524.3							
	08S	00030	19.92	36.40	25.87		1524.0							
	08S	00040	18.98	36.35	26.08		1521.6							
	08S	00045	19.22	36.36	26.17		1522.0							
	08S	00050	19.05	36.33	26.19		1522.1							
	08S	00075	18.37	36.48	26.33		1520.0							
	08S	00100	18.14	36.46	26.37		1520.3							
	08S	00125	17.77	36.45	26.41		1520.2							
	08S	00150	17.94	36.49	26.44		1520.6							
	08S	00200	17.69	36.45	26.48		1520.8							
	08S	00220	17.55	36.42	26.49		1520.5							
	08S	00230	17.71	36.32	26.52		1521.3							
	08S	00250	17.62	36.49	26.52		1521.3							
	08S	00300	17.38	36.46	26.56		1521.4							
	08S	00400	16.59	36.31	26.64		1520.4							
	08S	00448	15.33	36.01	26.65		1517.0							
	08S	00500	14.91	35.94	26.77		1516.5							
	08S	00600	13.03	35.70	26.95		1511.7							
	08S	00700	10.67	35.36	27.13		1504.8							
	08S	00800	08.34	35.13	27.34		1497.6							
	08S	00900	06.70	35.06	27.53		1492.8							
	08S	01000	05.75	35.07	27.66		1490.7							
	08S	01040	05.08	35.02	27.70		1489.4							
	08S	01100	05.17	35.06	27.72		1490.0							
	08S	01200	04.73	35.12	27.74		1489.8							
	08S	01300	04.45	35.00	27.76		1490.3							
	08S	01400	04.28	35.00	27.78		1491.3							
	08S	01500	04.19	35.04	27.80		1492.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 05271 AIR TEMP 16.0 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1207  
 CONSEC 0003 MONTH 05 SHIP 1H WET BULB 10.7 DIR 09 3 2 WIND-SPO 08 TRACE DIR 0 5 SQUARE 4  
 LAT 38 25 N DAY 16 DATA USE 1 BAROMETR 1033.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 84  
 LONG 055 29 W HOUR 00.0 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG FEN 03E 1 SQUARE 85

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI13	PH
00.0	OBS	00000	20.02	36.46	25.89		1523.9							
	OBS	00010	19.87	36.45	25.92		1523.6							
	OBS	00020	19.82	36.45	25.93		1523.7							
	OBS	00030	19.80	36.45	25.94		1523.8							
	OBS	00050	18.50	36.49	26.23		1520.4							
	OBS	00062	18.31	36.45	26.32		1520.1							
	OBS	00075	18.35	36.51	26.36		1520.5							
	OBS	00085	18.13	36.44	26.36		1520.0							
	OBS	00100	18.04	36.44	26.38		1520.0							
	OBS	00125	18.00	36.45	26.40		1520.3							
	OBS	00150	17.86	36.45	26.43		1520.3							
	OBS	00200	17.71	36.44	26.50		1520.7							
	OBS	00250	17.49	36.47	26.54		1520.9							
	OBS	00300	17.15	36.40	26.57		1520.6							
	OBS	00400	16.18	36.19	26.64		1519.1							
	OBS	00500	14.81	35.98	26.79		1515.2							
	OBS	00600	12.60	35.63	26.98		1510.2							
	OBS	00700	10.20	35.29	27.16		1503.0							
	OBS	00800	08.11	35.10	27.36		1496.6							
	OBS	00900	06.40	35.02	27.54		1491.5							
	OBS	01000	05.70	35.03	27.64		1490.4							
	OBS	01100	05.13	35.02	27.70		1489.8							
	OBS	01200	04.82	35.01	27.73		1490.1							
	OBS	01300	04.54	35.00	27.75		1490.7							
	OBS	01400	04.34	35.00	27.77		1491.5							
	OBS	01500	04.20	35.00	27.79		1492.6							

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REFID 31 8322 YEAR 1972 BOTOP 05200 AIR TEMP 19.3 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0004 MONTH 05 SHIP 1H WET BULB 13.0 DIR 10 3 3 WIND-SPO 13 TRACE DIR 0 5 SQUARE 4  
 LAT 36 05 N DAY 17 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 00.6 2 SQUARE 68  
 LONG 049 21 W HOUR 00.0 AREA 05 CLOUD T/A CLZTR WEATHER XI ORIG F72 001 1 SQUARE 69

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI13	PH
00.0	OBS	00000	19.24	36.47	26.10		1521.8							
	OBS	00010	19.22	36.48	26.11		1521.9							
	OBS	00020	19.20	36.48	26.12		1522.0							
	OBS	00030	19.10	36.45	26.12		1521.8							
	OBS	00050	18.40	36.45	26.30		1520.2							
	OBS	00075	18.20	36.46	26.36		1520.0							
	OBS	00100	17.99	36.47	26.42		1519.9							
	OBS	00125	17.84	36.47	26.44		1520.0							
	OBS	00150	17.78	36.46	26.46		1520.1							
	OBS	00200	17.62	36.46	26.50		1520.4							
	OBS	00250	17.51	36.47	26.54		1520.9							
	OBS	00300	17.26	36.43	26.57		1521.0							
	OBS	00400	16.74	36.33	26.61		1520.9							
	OBS	00500	15.67	36.13	26.71		1519.1							
	OBS	00520	15.43	36.08	26.73		1518.6							
	OBS	00600	13.60	35.40	26.91		1513.7							
	OBS	00670	11.77	35.50	27.04		1508.3							
	OBS	00700	11.12	35.43	27.11		1506.4							
	OBS	00800	08.92	35.16	27.28		1499.8							
	OBS	00900	06.89	35.05	27.49		1493.5							
	OBS	01000	05.40	35.05	27.63		1491.2							
	OBS	01030	05.73	35.04	27.64		1491.0							
	OBS	01041	05.81	35.04	27.67		1491.6							
	OBS	01070	05.70	35.09	27.68		1491.7							
	OBS	01090	05.26	35.02	27.68		1490.1							
	OBS	01100	05.38	35.07	27.71		1490.8							
	OBS	01115	05.54	35.11	27.72		1491.8							
	OBS	01200	05.27	35.09	27.74		1492.1							
	OBS	01250	04.82	35.04	27.75		1491.0							
	OBS	01300	04.87	35.07	27.77		1492.1							
	OBS	01400	04.43	35.01	27.77		1491.4							
	OBS	01500	04.17	35.00	27.75		1492.5							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTDP 04023	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 10	INST STO RECORDER	TEN SQ 1206
CONSEC 0005	MONTH 05	SHIP LH	WET BULB 14.1	10 5 3	WIND-SPD 20	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 17	DATA USE 1	BAROMETR 1027.6	SEA	WIND-FUR	DURATION 00.4	2 SQUARE 48
LONG 048 06 W	HOUR 11.6	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG ETZ 003	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	JAYG	PJ4	TOT P	NO2	NO3	SIJ3	PH
11.6	085	00000	19.07	36.46	26.14		1521.3							
	085	00010	19.05	36.46	26.14		1521.4							
	085	00020	19.05	36.47	26.15		1521.6							
	085	00030	19.05	36.47	26.15		1521.7							
	085	00050	19.05	36.47	26.15		1522.0							
	085	00075	18.74	36.44	26.15		1521.7							
	085	00100	17.74	36.40	26.43		1519.1							
	085	00125	17.49	36.41	26.45		1518.7							
	085	00150	17.40	36.41	26.52		1518.9							
	085	00185	16.91	36.31	26.56		1517.9							
	085	00195	17.05	36.37	26.58		1518.5							
	085	00200	16.54	36.34	26.57		1518.3							
	085	00250	16.45	36.27	26.64		1517.5							
	085	00300	15.92	36.18	26.65		1516.6							
	085	00400	14.95	36.02	26.75		1515.0							
	085	00410	14.82	36.01	26.81		1514.8							
	085	00430	14.81	36.04	26.83		1515.1							
	085	00500	13.60	35.80	26.71		1512.1							
	085	00600	12.14	35.60	27.05		1508.6							
	085	00700	09.91	35.26	27.19		1501.9							
	085	00800	08.00	35.16	27.42		1496.3							
	085	00900	06.78	35.13	27.57		1493.2							
	085	01000	06.08	35.13	27.67		1492.1							
	085	01040	05.98	35.14	27.65		1492.4							
	085	01070	05.18	35.03	27.70		1489.5							
	085	01100	05.38	35.08	27.71		1490.9							
	085	01200	04.80	35.02	27.74		1490.1							
	085	01220	04.74	35.01	27.73		1490.1							
	085	01240	04.81	35.03	27.74		1490.8							
	085	01260	04.65	35.02	27.75		1490.5							
	085	01280	04.76	35.05	27.76		1491.3							
	085	01300	04.58	35.01	27.75		1490.8							
	085	01400	04.40	35.01	27.77		1491.8							
	085	01500	04.23	35.01	27.75		1492.7							

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REFID 31 8322	YEAR 1972	BOTDP 04460	AIR TEMP 19.3	DIR HGT PER	WIND-DIR 10	INST STO RECORDER	TEN SQ 1206
CONSEC 0006	MONTH 05	SHIP LH	WET BULB 14.0	10 3 2	WIND-SPD 18	TRACE DIR 0	5 SQUARE 4
LAT 35 00 N	DAY 17	DATA USE 1	BAROMETR 1028.0	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER XL	ORIG ETZ 003	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	UXYG	PJ4	TOT P	NO2	NO3	SIJ3	PH
23.8	085	00000	18.97	36.46	26.16		1521.0							
	085	00010	18.60	36.43	26.23		1520.1							
	085	00020	17.57	36.41	26.47		1517.3							
	085	00030	17.50	36.41	26.49		1517.2							
	085	00050	17.48	36.42	26.50		1517.5							
	085	00075	17.46	36.42	26.51		1517.9							
	085	00100	17.45	36.41	26.50		1518.2							
	085	00125	17.41	36.41	26.51		1518.5							
	085	00150	17.22	36.37	26.53		1518.3							
	085	00200	16.97	36.36	26.58		1518.4							
	085	00250	16.46	36.23	26.60		1517.5							
	085	00300	16.04	36.22	26.69		1517.0							
	085	00400	14.83	36.01	26.81		1514.7							
	085	00500	13.25	35.75	26.94		1510.8							
	085	00590	11.53	35.51	27.09		1506.2							
	085	00593	11.56	35.54	27.11		1506.4							
	085	00600	11.53	35.54	27.12		1506.4							
	085	00700	09.25	35.25	27.29		1499.5							
	085	00800	07.36	35.14	27.50		1493.8							
	085	00850	06.67	35.13	27.59		1491.9							
	085	00860	06.70	35.15	27.60		1492.2							
	085	00890	06.44	35.11	27.60		1491.7							
	085	00900	06.28	35.12	27.63		1491.2							
	085	00935	06.32	35.16	27.66		1492.0							
	085	00950	06.24	35.16	27.67		1491.9							
	085	00990	05.44	35.05	27.68		1489.2							
	085	00995	05.68	35.11	27.70		1490.4							
	085	01000	05.48	35.06	27.69		1489.6							
	085	01010	05.34	35.07	27.71		1489.2							
	085	01020	05.39	35.08	27.71		1489.6							
	085	01030	05.22	35.06	27.72		1489.0							
	085	01045	05.38	35.08	27.71		1489.9							
	085	01057	05.01	35.03	27.72		1488.6							
	085	01100	04.81	35.02	27.73		1488.4							
	085	01120	04.85	35.04	27.75		1489.0							
	085	01200	04.67	35.03	27.76		1489.6							
	085	01215	04.58	35.03	27.77		1489.4							
	085	01240	04.60	35.03	27.77		1489.7							
	085	01280	04.48	35.03	27.78		1490.1							
	085	01300	04.54	35.03	27.77		1490.7							
	085	01370	04.39	35.03	27.75		1491.2							
	085	01400	04.43	35.04	27.79		1491.4							
	085	01418	04.21	35.02	27.80		1491.3							
	085	01460	04.24	35.02	27.80		1492.1							
	085	01500	04.10	35.00	27.80		1492.2							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BUTOP 04206 AIR TEMP 20.1 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1206  
 CONSEC 0007 MONTH 05 SHIP 1H WET BULB 18.0 10 5 4 WIND-SPO 18 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETH 1028.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG C48 00 W HOUR 11.5 AREA 05 CLOUD 1/A CL/TR WEATHER X1 ORIG E72 004 1 SQUARE 58

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
11.5	0BS	0000	19.12	36.47	26.13		1521.4							
	0BS	0010	19.08	36.47	26.14		1521.5							
	0BS	0020	18.60	36.43	26.23		1520.3							
	0BS	0030	18.15	36.43	26.35		1519.1							
	0BS	0050	17.66	36.39	26.44		1518.0							
	0BS	0075	17.30	36.37	26.51		1517.3							
	0BS	0100	17.12	36.35	26.54		1517.2							
	0BS	0125	16.97	36.33	26.56		1517.1							
	0BS	0150	16.87	36.34	26.59		1517.2							
	0BS	0200	16.47	36.29	26.65		1516.8							
	0BS	0212	16.25	36.22	26.64		1516.2							
	0BS	0250	16.10	36.21	26.67		1516.4							
	0BS	0300	15.50	36.11	26.73		1515.2							
	0BS	0400	14.50	35.96	26.84		1513.5							
	0BS	0500	13.21	35.76	26.96		1510.7							
	0BS	0540	12.78	35.70	27.00		1509.9							
	0BS	0550	12.56	35.66	27.01		1509.2							
	0BS	0600	11.68	35.51	27.06		1506.9							
	0BS	0700	09.09	35.22	27.30		1498.8							
	0BS	0800	07.82	35.11	27.41		1495.5							
	0BS	0824	07.77	35.17	27.46		1495.8							
	0BS	0900	06.47	35.11	27.60		1491.9							
	0BS	0967	05.49	35.01	27.65		1489.0							
	0BS	0985	05.46	35.04	27.67		1489.2							
	0BS	1000	05.91	35.15	27.70		1491.4							
	0BS	1100	05.07	35.03	27.71		1489.5							
	0BS	1144	05.02	35.05	27.73		1490.1							
	0BS	1184	04.84	35.03	27.74		1490.0							
	0BS	1200	04.90	35.05	27.75		1490.5							
	0BS	1225	04.98	35.07	27.75		1491.3							
	0BS	1230	04.76	35.03	27.75		1490.4							
	0BS	1257	04.73	35.05	27.77		1490.8							
	0BS	1268	04.83	35.07	27.77		1491.4							
	0BS	1300	04.69	35.05	27.77		1491.3							
	0BS	1338	04.57	35.03	27.77		1491.5							
	0BS	1355	04.43	35.02	27.78		1491.1							
	0BS	1400	04.35	35.01	27.78		1491.6							
	0BS	1434	04.28	35.01	27.79		1491.8							
	0BS	1470	04.37	35.03	27.79		1492.8							
	0BS	1500	04.31	35.03	27.80		1493.1							

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REFID 31 8322 YEAR 1972 BUTOP 03931 AIR TEMP 19.5 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0008 MONTH 05 SHIP 1H WET BULB 17.9 10 4 3 WIND-SPO 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 19 DATA USE 1 BAROMETH 1029.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG C47 53 W HOUR 00.2 AREA 05 CLOUD 1/A CL/TR WEATHER X1 ORIG E72 005 1 SQUARE 57

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	SIO3	PH
00.2	0BS	0000	19.14	36.47	26.13		1521.5							
	0BS	0010	19.07	36.47	26.14		1521.5							
	0BS	0020	18.93	36.47	26.18		1521.2							
	0BS	0030	18.83	36.47	26.21		1521.1							
	0BS	0050	17.91	36.40	26.38		1518.7							
	0BS	0075	17.54	36.41	26.48		1518.1							
	0BS	0100	17.46	36.41	26.50		1518.2							
	0BS	0125	17.39	36.40	26.51		1518.4							
	0BS	0150	17.26	36.38	26.53		1518.4							
	0BS	0200	16.96	36.37	26.59		1518.4							
	0BS	0250	16.43	36.28	26.65		1517.5							
	0BS	0350	15.20	36.05	26.75		1515.0							
	0BS	0400	14.79	36.03	26.83		1514.6							
	0BS	0500	13.30	35.76	26.94		1511.0							
	0BS	0530	12.94	35.73	26.99		1510.3							
	0BS	0590	11.65	35.57	27.08		1507.4							
	0BS	0600	11.79	35.55	27.07		1507.3							
	0BS	0620	11.04	35.44	27.13		1504.9							
	0BS	0700	09.59	35.29	27.27		1500.8							
	0BS	0760	08.11	35.15	27.39		1496.0							
	0BS	0800	07.56	35.14	27.47		1494.6							
	0BS	0850	07.03	35.11	27.52		1493.3							
	0BS	0900	06.66	35.14	27.60		1492.7							
	0BS	0962	05.52	35.02	27.65		1489.0							
	0BS	1030	05.43	35.02	27.66		1489.3							
	0BS	1010	05.32	35.01	27.67		1489.0							
	0BS	11030	05.34	35.03	27.68		1489.4							
	0BS	11044	05.04	35.00	27.65		1489.5							
	0BS	11055	05.19	35.05	27.71		1489.3							
	0BS	11066	05.07	35.03	27.71		1489.0							
	0BS	11077	05.36	35.10	27.73		1490.4							
	0BS	11091	05.00	35.08	27.76		1489.2							
	0BS	11100	05.43	35.13	27.75		1491.1							
	0BS	11140	05.13	35.07	27.74		1490.5							
	0BS	11153	05.36	35.12	27.75		1491.7							
	0BS	11200	05.24	35.11	27.76		1492.0							
	0BS	11220	05.17	35.10	27.76		1492.0							
	0BS	11242	04.84	35.05	27.75		1491.0							
	0BS	11257	05.04	35.09	27.76		1492.1							
	0BS	11272	04.62	35.02	27.76		1490.5							
	0BS	11300	04.57	35.02	27.76		1490.8							
	0BS	11330	04.51	35.03	27.78		1491.1							
	0BS	11350	04.65	35.05	27.78		1492.0							
	0BS	11380	04.63	35.05	27.78		1492.4							
	0BS	11400	04.57	35.05	27.79		1492.5							
	0BS	11420	04.58	35.05	27.78		1492.9							
	0BS	11500	04.36	35.03	27.79		1493.3							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BUOTP 04480 AIR TEMP 21.1 DIR HGT PER WIND-DIR 11 INST STO RECORDER TEM SQ 1206  
 CONSEC 0004 MONTH 05 SHIP 1H WET BULB 17.8 11 5 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1029.2 SEA 00.9 WIND-FOR DURATION 00.9 2 SQUARE 46  
 LONG 047 55 W HOUR 11.7 AREA USE 05 CLOUD 1/A CL/TR WEATHER X1 ORIG E72 006 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TUT P	NO2	NO3	SIO3	PH
11.7	OBS	00000	19.33	36.46	26.07		1522.0							
	OBS	00010	19.10	36.43	26.11		1521.5							
	OBS	00020	17.62	36.41	26.46		1517.4							
	OBS	00030	17.48	36.41	26.50		1517.2							
	OBS	00050	17.44	36.41	26.51		1517.4							
	OBS	00075	17.35	36.39	26.51		1517.5							
	OBS	00100	17.25	36.38	26.53		1517.6							
	OBS	00125	17.06	36.37	26.57		1517.4							
	OBS	00150	16.95	36.36	26.55		1517.5							
	OBS	00175	16.83	36.34	26.60		1517.5							
	OBS	00200	16.56	36.10	26.63		1517.1							
	OBS	00250	16.01	36.21	26.65		1516.1							
	OBS	00300	15.52	36.11	26.73		1515.3							
	OBS	00400	14.30	35.92	26.85		1512.8							
	OBS	00500	13.24	35.75	26.94		1510.8							
	OBS	00600	11.13	35.43	27.10		1504.8							
	OBS	00700	08.68	35.17	27.32		1497.2							
	OBS	00800	07.36	35.14	27.50		1493.4							
	OBS	00900	06.73	35.21	27.64		1493.1							
	OBS	00950	06.51	35.22	27.68		1493.1							
	OBS	01000	06.02	35.18	27.71		1491.9							
	OBS	01020	05.54	35.10	27.71		1490.2							
	OBS	01100	05.11	35.07	27.74		1489.7							
	OBS	01200	04.98	35.08	27.76		1490.9							
	OBS	01220	04.84	35.06	27.76		1490.6							
	OBS	01242	04.93	35.09	27.78		1491.4							
	OBS	01285	04.68	35.06	27.78		1491.1							
	OBS	01300	04.74	35.07	27.78		1491.6							
	OBS	01400	04.43	35.05	27.80		1492.1							
	OBS	01470	04.56	35.07	27.80		1493.7							
	OBS	01500	04.43	35.06	27.81		1493.6							
	OBS	01508	04.24	35.03	27.81		1492.9							
	OBS	01560	04.39	35.06	27.81		1494.5							
	OBS	01600	04.22	35.03	27.81		1494.4							
	OBS	01660	04.08	35.02	27.82		1494.8							
	OBS	01700	04.15	35.04	27.82		1495.8							
	OBS	01740	03.90	35.01	27.83		1495.4							
	OBS	01750	03.98	35.02	27.83		1495.9							
	OBS	01800	03.96	35.00	27.82		1496.2							
	OBS	02000	03.63	34.99	27.84		1498.7							
	OBS	02320	03.37	34.98	27.86		1503.0							
	OBS	02500	03.31	34.99	27.87		1505.8							
	OBS	02600	03.25	34.98	27.87		1507.3							
	OBS	03000	02.87	34.95	27.88		1512.5							

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REFID 31 8322 YEAR 1972 BUOTP 04840 AIR TEMP 20.7 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEM SQ 1206  
 CONSEC 0010 MONTH 05 SHIP 1H WET BULB 18.3 13 4 4 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02 N DAY 20 DATA USE 1 BAROMETR 1030.6 SEA 00.9 WIND-FOR DURATION 00.9 2 SQUARE 48  
 LONG 048 03 W HOUR 12.4 AREA USE 05 CLOUD 1/A 277 CL/TR 730 WEATHER X1 ORIG E72 007 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TUT P	NO2	NO3	SIO3	PH
12.4	OBS	00000	19.34	36.516	26.10		1522.2							
12.4	OBS	00022	19.02	36.463	26.15		1521.5							
12.4	OBS	00045	18.70	36.460	26.23		1521.0							
12.4	OBS	00067	17.57	36.436	26.49		1518.1							
12.4	OBS	00090	17.43	36.436	26.52		1518.2							
12.4	OBS	00135	17.43	36.428	26.52		1518.8							
12.4	OBS	T00185	17.24	36.394	26.55		1519.0							
12.4	OBS	00275	16.51	36.278	26.63		1518.1							
12.4	OBS	T00306	15.70	36.161	26.73		1517.0							
12.4	OBS	00461	14.37	35.942	26.85		1514.1							
12.4	OBS	T00551	13.27	35.770	26.95		1511.8							
12.4	OBS	T00732	04.24	35.240	27.28		1500.1							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 01824 AIR TEMP 17.8 DIR FGT PER WIND-DIR 00 INST STD HFCORR TEN SQ 1206  
 CONSEC 0011 MONTH 05 SHIP 1H WFT SURF 17.8 13 2 3 WIND-SPD 00 TRACE DIR 0 5 SQUARE 4  
 LAT 35 07 N DAY 20 DATA USE 1 0 AKOMETH 1031.1 SEA WIND-FUR 00 DURATION 01.5 2 SQUARE 48  
 LONG 044 03 W HOUR 23.0 AREA 05 CLOUD 1/A CLZTR WEATHER XL ORIG E72 C08 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	UXYG	PI4	TOT P	NO2	NO3	SI03	PH
23.8	085	00000	20.05	36.46	27.67		1524.1							
	085	00010	19.19	36.43	26.08		1521.7							
	085	00020	18.74	36.40	26.17		1520.6							
	085	00030	18.50	36.38	26.22		1520.1							
	085	00040	18.05	36.39	26.34		1518.9							
	085	00050	17.67	36.39	26.44		1518.0							
	085	00075	17.58	36.41	26.47		1518.2							
	085	00100	17.45	36.39	26.45		1518.2							
	085	00125	17.36	36.39	26.51		1518.4							
	085	00150	17.27	36.37	26.52		1518.5							
	085	00160	17.29	36.38	26.52		1518.7							
	085	00200	17.01	36.35	26.56		1518.5							
	085	00250	16.75	36.31	26.60		1518.5							
	085	00300	16.25	36.21	26.64		1517.6							
	085	00370	15.22	36.05	26.75		1515.4							
	085	00400	14.88	35.99	26.78		1514.8							
	085	00500	13.62	35.79	26.85		1512.1							
	085	00560	12.46	35.59	26.98		1509.0							
	085	00570	12.33	35.60	27.01		1508.7							
	085	00579	12.14	35.56	27.01		1508.2							
	085	00590	12.06	35.58	27.05		1508.1							
	085	00600	11.97	35.56	27.05		1507.9							
	085	00635	11.17	35.44	27.11		1505.6							
	085	00653	11.13	35.44	27.11		1505.7							
	085	00670	10.63	35.36	27.14		1504.1							
	085	00700	10.03	35.27	27.18		1502.3							
	085	00800	08.36	35.15	27.36		1497.7							
	085	00900	06.95	35.11	27.53		1493.8							
	085	01000	06.23	35.11	27.63		1492.6							
	085	01010	06.21	35.13	27.65		1492.3							
	085	01058	05.82	35.11	27.68		1492.0							
	085	01181	05.80	35.12	27.65		1492.3							
	085	01100	05.43	35.08	27.71		1491.1							
	085	01200	05.09	35.07	27.74		1491.3							

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REFID 31 8322 YEAR 1972 BOTOP 03566 AIR TEMP 20.5 DIR FGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 05 SHIP 1H WFT SURF 18.2 14 3 3 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 21 DATA USE 1 0 AKOMETH 1030.9 SEA WIND-FUR 00 DURATION 01.5 2 SQUARE 48  
 LONG 048 03 W HOUR 12.5 AREA 05 CLOUD 1/A CLZTR WEATHER XL ORIG E72 009 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	UXYG	PI4	TOT P	NO2	NO3	SI03	PH
12.5	085	00000	19.90	36.473	25.93		1523.6							
	085	00024	19.36	36.496	26.05		1522.5							
	085	00049	18.49	36.434	26.26		1520.4							
	085	00073	17.77	36.403	26.42		1518.7							
	085	00097	17.45	36.380	26.48		1518.1							
	085	00146	17.20	36.362	26.53		1518.2							
	085	T00149	16.84	36.330	26.59		1517.9							
	085	00276	16.20	36.226	26.66		1517.5							
	085	T00343	14.92	36.005	26.78		1514.8							
	085	00495	14.00	35.873	26.88		1513.4							
	085	00593	12.46	35.645	27.01		1509.7							
	085	T00787	08.51	35.143	27.33		1498.0							
	085	T00946	06.76	35.133	27.62		1494.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTDTP 01302 AIR TEMP 20.0 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1206  
 CONSEC 0013 MONTH 05 SHIP 1H WET BULB 17.7 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 35 10 N DAY 21 DATA USE 1 BAROMETR 1030.1 SEA WIND-FGR DURATION 00.5 2 SQUARE 46  
 LONG 047 50 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 010 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SIO3	PH
23.7	085	00000	20.24	36.39	25.78		1524.4							
	085	00010	19.50	36.40	25.98		1522.6							
	085	00020	19.17	36.37	26.04		1521.8							
	085	00030	18.12	36.39	26.32		1519.0							
	085	00050	17.75	36.37	26.40		1518.2							
	085	00075	17.47	36.37	26.47		1517.8							
	085	00100	17.39	36.37	26.49		1518.0							
	085	00125	17.27	36.36	26.51		1518.0							
	085	00150	17.17	36.35	26.53		1518.1							
	085	00200	16.87	36.32	26.58		1518.0							
	085	00220	16.84	36.34	26.60		1518.3							
	085	00250	16.45	36.26	26.63		1517.5							
	085	00300	16.06	36.19	26.67		1517.1							
	085	00400	15.04	36.02	26.77		1515.3							
	085	00500	13.59	35.79	26.90		1512.0							
	085	00528	13.56	35.61	26.92		1512.4							
	085	00542	13.27	35.73	26.92		1511.6							
	085	00600	12.15	35.55	27.01		1508.5							
	085	00700	10.11	35.33	27.21		1502.7							
	085	00708	09.97	35.31	27.22		1502.3							
	085	00719	10.02	35.35	27.24		1502.7							
	085	00800	08.23	35.10	27.34		1497.1							
	085	00820	07.94	35.09	27.37		1496.3							
	085	00830	07.91	35.04	27.38		1495.1							
	085	00855	07.25	35.10	27.48		1494.2							
	085	00870	07.29	35.14	27.51		1494.7							
	085	00880	07.13	35.12	27.52		1494.2							
	085	00885	07.07	35.14	27.54		1494.1							
	085	00900	07.21	35.19	27.56		1494.9							
	085	00922	07.04	35.18	27.58		1494.6							
	085	01000	06.49	35.17	27.64		1493.8							
	085	01024	06.43	35.17	27.65		1493.9							
	085	01040	06.12	35.14	27.67		1492.9							
	085	01050	06.08	35.13	27.67		1492.9							
	085	01055	05.96	35.13	27.68		1492.5							
	085	01065	05.99	35.17	27.71		1492.9							
	085	01100	05.84	35.15	27.71		1492.8							
	085	01125	05.50	35.10	27.72		1491.8							
	085	01160	05.45	35.11	27.73		1492.2							
	085	01200	05.11	35.06	27.73		1491.4							
	085	01220	05.03	35.07	27.75		1491.4							
	085	01250	05.03	35.08	27.76		1491.9							
	085	01270	04.86	35.06	27.76		1491.5							
	085	01300	04.81	35.07	27.77		1491.9							

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REFID 31 8322 YEAR 1972 BOTDTP 04846 AIR TEMP 21.2 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0014 MONTH 05 SHIP 1H WET BULB 18.3 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 35 26 N DAY 22 DATA USE 1 BAROMETR 1010.0 SEA WIND-FGR DURATION 00.5 2 SQUARE 46  
 LONG 047 03 W HOUR 11.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG E72 011 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SIO3	PH
11.7	085	00000	19.98	36.40	25.85		1523.7							
	085	00010	19.35	36.34	25.97		1522.1							
	085	00020	18.50	36.37	26.21		1519.9							
	085	00030	17.85	36.40	26.40		1518.2							
	085	00050	17.66	36.41	26.45		1518.0							
	085	00075	17.55	36.40	26.47		1518.1							
	085	00100	17.46	36.39	26.49		1518.2							
	085	00125	17.45	36.39	26.49		1518.6							
	085	00150	17.42	36.39	26.50		1518.9							
	085	00200	17.29	36.39	26.53		1519.4							
	085	00250	17.12	36.36	26.55		1519.6							
	085	00300	16.90	36.33	26.58		1519.8							
	085	00400	15.90	36.13	26.66		1518.1							
	085	00450	15.37	36.05	26.72		1517.2							
	085	00460	15.50	36.10	26.72		1517.9							
	085	00500	14.91	35.99	26.77		1516.5							
	085	00507	14.82	35.98	26.78		1516.3							
	085	00525	14.92	36.06	26.82		1517.1							
	085	00600	13.77	35.79	26.86		1514.3							
	085	00700	12.05	35.55	27.02		1509.8							
	085	00800	10.34	35.30	27.15		1505.2							
	085	00825	09.64	35.21	27.20		1502.9							
	085	00835	09.44	35.25	27.26		1502.4							
	085	00848	09.50	35.27	27.27		1502.9							
	085	00860	08.88	35.18	27.30		1501.0							
	085	00865	08.65	35.22	27.37		1500.5							
	085	00900	07.66	35.15	27.46		1497.5							
	085	00959	07.75	35.16	27.46		1498.0							
	085	01000	07.30	35.18	27.54		1496.9							
	085	01100	06.33	35.14	27.64		1496.7							
	085	01110	06.45	35.18	27.66		1495.4							
	085	01150	05.96	35.12	27.67		1494.1							
	085	01200	05.84	35.13	27.70		1494.4							
	085	01239	05.70	35.14	27.72		1494.5							
	085	01280	05.72	35.16	27.74		1495.3							
	085	01300	05.82	35.18	27.74		1496.1							
	085	01350	05.68	35.18	27.76		1496.5							
	085	01400	05.41	35.16	27.77		1496.1							
	085	01460	05.12	35.12	27.78		1495.9							
	085	01470	05.15	35.14	27.79		1496.2							
	085	01500	05.00	35.14	27.81		1496.1							

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TABLE II.—Continued

REF ID: A322 YEAR: 1972 HGTOP: 04572 AIR TEMP: 20.5 DIR HGT PER: WIND DIR: 24 INST. STOR. RECORDER: TEN SQ. 1206  
 CONSEC: 0015 MONTH: 05 SHIP ID: WET WUB: 19.2 24 5 3 WIND SPD: 20 TRACE DIR: 0 5 SQUARE: 4  
 LAT: 35 51 N DAY: 23 DATA USE: 1 BAROMETR: 1022.3 SEA WIND-FOR: 00.4 2 SQUARE: 48  
 LONG: 047 57 W HOUR: 14.0 AREA: 05 CLOUD: T/A CLZTR: WEATHER: X1 ORIG. ETZ: 012 1 SQUARE: 59

CASINUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SPD VEL	JKYG	P14	TOT P	N02	N03	S103	PH
14.0	UBS	00000	19.84	36.46	25.94		1523.4							
	UBS	00310	19.83	36.45	25.94		1523.5							
	UBS	00620	19.86	36.45	26.05		1522.4							
	UBS	00930	18.86	36.44	26.17		1521.2							
	UBS	00550	17.44	36.38	26.36		1518.1							
	UBS	00075	17.55	36.39	26.46		1518.1							
	UBS	00100	17.47	36.39	26.48		1518.3							
	UBS	00125	17.45	36.39	26.49		1518.6							
	UBS	00150	17.42	36.39	26.50		1518.7							
	UBS	00200	17.24	36.38	26.53		1519.2							
	UBS	00250	17.03	36.35	26.56		1519.5							
	UBS	00300	16.78	36.31	26.59		1519.6							
	UBS	00338	16.64	36.30	26.61		1519.6							
	UBS	00400	15.74	36.11	26.68		1517.6							
	UBS	00500	14.77	35.99	26.80		1516.1							
	UBS	00600	13.56	35.75	26.92		1512.9							
	UBS	00700	11.47	35.43	27.04		1507.7							
	UBS	00800	08.86	35.15	27.28		1499.5							
	UBS	00900	06.77	35.33	27.45		1493.0							
	UBS	00944	06.27	35.24	27.57		1491.9							
	UBS	00967	06.34	35.09	27.60		1492.4							
	UBS	01000	05.02	35.07	27.63		1491.8							
	UBS	01100	05.46	35.07	27.70		1491.2							
	UBS	01150	05.25	35.06	27.71		1491.1							
	UBS	01175	05.24	35.07	27.72		1491.7							
	UBS	01200	05.25	35.07	27.72		1492.0							
	UBS	01235	04.91	35.02	27.77		1491.1							
	UBS	01300	04.68	35.01	27.74		1491.2							
	UBS	01360	04.53	35.01	27.76		1491.6							
	UBS	01370	04.56	35.02	27.76		1491.9							
	UBS	01390	04.50	35.00	27.75		1492.0							
	UBS	01400	04.53	35.02	27.77		1492.3							
	UBS	01420	04.48	35.00	27.76		1492.4							
	UBS	01440	04.50	35.02	27.77		1492.9							
	UBS	01500	04.41	35.02	27.78		1493.5							

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REF ID: A322 YEAR: 1972 HGTOP: 04446 AIR TEMP: 21.0 DIR HGT PER: WIND DIR: 21 INST. STOR. RECORDER: TEN SQ. 1206  
 CONSEC: 0016 MONTH: 05 SHIP ID: WET WUB: 19.9 23 5 3 WIND SPD: 14 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 34 58 N DAY: 24 DATA USE: 1 BAROMETR: 1024.7 SEA WIND-FOR: 00.5 2 SQUARE: 46  
 LONG: 047 42.5 W HOUR: 11.8 AREA: 05 CLOUD: T/A CLZTR: WEATHER: X1 ORIG. ETZ: 013 1 SQUARE: 47

CASINUM/TIME	LEVEL	DEPTH	TEMP	SAL	SIGMA-T	DYNDEPTH	SPD VEL	JKYG	P14	TOT P	N02	N03	S103	PH
11.8	UBS	00000	19.95	36.46	25.91		1523.7							
	UBS	00010	19.93	36.45	25.91		1523.7							
	UBS	00020	19.13	36.42	26.05		1521.7							
	UBS	00030	18.40	36.43	26.16		1521.3							
	UBS	00050	19.42	36.39	26.25		1520.2							
	UBS	00075	17.48	36.38	26.47		1517.9							
	UBS	00100	17.41	36.38	26.45		1518.1							
	UBS	00125	17.30	36.36	26.50		1518.1							
	UBS	00150	17.13	36.35	26.54		1518.0							
	UBS	00200	16.58	36.34	26.56		1518.4							
	UBS	00250	16.73	36.31	26.60		1518.4							
	UBS	00300	16.12	36.18	26.64		1517.2							
	UBS	00323	16.03	36.17	26.67		1517.4							
	UBS	00400	15.08	36.03	26.77		1515.5							
	UBS	00500	13.72	35.92	26.90		1512.5							
	UBS	00600	12.39	35.81	27.00		1507.4							
	UBS	00700	10.35	35.42	27.16		1503.6							
	UBS	00800	08.25	35.12	27.35		1497.2							
	UBS	00846	07.72	35.13	27.44		1495.9							
	UBS	00851	07.80	35.18	27.47		1496.4							
	UBS	00864	07.64	35.14	27.44		1496.0							
	UBS	00887	07.14	35.11	27.51		1494.3							
	UBS	00900	07.07	35.12	27.52		1494.4							
	UBS	01000	06.42	35.14	27.63		1493.4							
	UBS	01100	05.75	35.11	27.65		1492.4							
	UBS	01137	05.92	35.17	27.72		1493.8							
	UBS	01200	05.67	35.15	27.73		1493.4							
	UBS	01270	05.20	35.12	27.76		1493.3							
	UBS	01280	05.39	35.14	27.76		1494.0							
	UBS	01300	05.16	35.10	27.76		1493.3							
	UBS	01320	05.27	35.14	27.78		1494.2							
	UBS	01374	04.93	35.08	27.77		1493.5							
	UBS	01385	05.04	35.10	27.77		1494.3							
	UBS	01400	04.84	35.07	27.77		1493.7							
	UBS	01415	04.77	35.06	27.77		1493.6							
	UBS	01421	04.88	35.08	27.77		1494.2							
	UBS	01500	04.57	35.05	27.79		1494.2							

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TABLE LI.—Continued

REF ID	31	B322	YEAR	1972	BOTUP	04526	AIR TEMP	20.7	DIR HGT PER	#INO-DIR	23	INST STO RECORDER	TEN SQ	1206		
CUNSEC	0017		MONTH	05	SHIP LH		WET BULB	19.7	21	4	2	TRACE DIR	0	5 SQUARE	2	
LAT	34	58	N	DAY	24	DATA USE	1	BAROMETR	1024.0	SEA	#INO-FJR	DURATION	00.5	2 SQUARE	48	
LONG	048	02	W	HOUR	23.9	AREA	05	CLCUD	T/A	CL/TR	WEATHER	X1	ORIG E72	014	1 SQUARE	48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
23.9	085	00000	20.06	36.47	25.88		1524.0							
	085	00010	19.47	36.40	25.95		1522.5							
	085	00020	18.97	36.42	26.13		1521.3							
	085	00030	18.48	36.40	26.24		1520.0							
	085	00050	17.66	36.38	26.43		1518.0							
	085	00075	17.50	36.38	26.47		1517.9							
	085	00100	17.40	36.38	26.45		1518.0							
	085	00125	17.33	36.38	26.51		1518.2							
	085	00150	17.23	36.37	26.53		1518.3							
	085	00200	16.93	36.34	26.58		1518.2							
	085	00250	16.57	36.27	26.61		1517.9							
	085	00300	16.07	36.21	26.68		1517.1							
	085	00400	14.96	36.00	26.77		1515.1							
	085	00420	14.80	36.01	26.81		1514.9							
	085	00500	13.87	35.85	26.89		1513.0							
	085	00600	12.27	35.59	27.01		1509.0							
	085	00700	10.25	35.31	27.17		1503.2							
	085	00800	08.07	35.10	27.36		1496.5							
	085	00840	07.48	35.07	27.43		1494.8							
	085	00900	06.93	35.10	27.53		1493.7							
	085	00953	06.32	35.10	27.61		1492.2							
	085	00960	06.51	35.16	27.63		1493.2							
	085	00980	06.34	35.14	27.64		1492.8							
	085	00990	06.38	35.16	27.65		1493.1							
	085	01000	06.32	35.15	27.65		1493.1							
	085	01100	05.85	35.13	27.70		1492.8							
	085	01133	05.46	35.09	27.71		1491.8							
	085	01150	05.53	35.14	27.74		1492.4							
	085	01162	05.81	35.20	27.76		1493.8							
	085	01200	05.57	35.15	27.75		1493.4							
	085	01300	05.11	35.11	27.77		1493.1							
	085	01400	04.77	35.08	27.79		1493.4							
	085	01415	04.77	35.08	27.79		1493.6							
	085	01485	04.40	35.03	27.79		1493.2							
	085	01500	04.42	35.05	27.80		1493.6							

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REF ID	31	B322	YEAR	1972	BOTUP	04064	AIR TEMP	21.0	DIR HGT PER	#WIND-DIR	24	INST STO RECORDER	TEN SQ	1206		
CUNSEC	0018		MONTH	05	SHIP LH		WET BULB	20.0	24	3	3	TRACE DIR	0	5 SQUARE	4	
LAT	35	13	N	DAY	25	DATA USE	1	BAROMETR	1024.8	SEA	#WIND-FJR	DURATION	01.0	2 SQUARE	46	
LONG	047	36	W	HOUR	11.6	AREA	05	CLCUD	T/A	CL/TR	WEATHER	X1	ORIG E72	015	1 SQUARE	57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.6	085	00300	20.27	36.44	25.81		1524.6							
	085	00310	19.78	36.42	25.92		1523.4							
	085	00320	19.07	36.39	26.08		1521.5							
	085	00340	18.14	36.40	26.33		1519.1							
	085	00050	17.79	36.39	26.41		1518.4							
	085	00075	17.41	36.36	26.48		1517.6							
	085	00100	17.11	36.33	26.53		1517.1							
	085	00125	17.04	36.35	26.56		1517.3							
	085	00150	16.84	36.32	26.58		1517.1							
	085	00200	16.59	36.29	26.62		1517.2							
	085	00250	16.15	36.21	26.66		1516.5							
	085	00300	15.74	36.14	26.70		1516.0							
	085	00400	14.85	35.99	26.75		1514.7							
	085	00500	13.68	35.80	26.89		1512.3							
	085	00520	13.32	35.73	26.91		1511.4							
	085	00600	12.05	35.57	27.04		1508.2							
	085	00700	10.24	35.34	27.15		1503.2							
	085	00800	08.72	35.21	27.35		1499.1							
	085	00820	08.36	35.19	27.35		1498.0							
	085	00840	08.09	35.17	27.41		1497.3							
	085	00860	07.81	35.17	27.46		1496.6							
	085	00900	07.54	35.19	27.50		1496.4							
	085	00906	07.47	35.20	27.53		1496.1							
	085	00980	07.02	35.21	27.60		1495.6							
	085	01000	06.91	35.19	27.60		1495.4							
	085	01058	06.22	35.15	27.66		1493.6							
	085	01078	06.35	35.21	27.69		1494.6							
	085	01100	06.22	35.18	27.69		1494.4							
	085	01120	05.99	35.16	27.70		1493.8							
	085	01130	05.88	35.16	27.72		1493.5							
	085	01150	05.92	35.18	27.73		1494.0							
	085	01200	05.61	35.14	27.73		1493.5							
	085	01300	05.14	35.10	27.76		1493.2							
	085	01400	04.79	35.07	27.78		1493.5							
	085	01500	04.50	35.05	27.79		1493.9							
	085	01757	04.08	35.01	27.81		1496.3							
	085	02000	03.78	34.99	27.82		1499.3							
	085	02500	03.42	34.99	27.86		1506.3							
	085	02880	03.09	34.97	27.87		1511.4							
	085	03300	02.97	34.96	27.88		1513.0							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 03749 AIR TEMP 20.6 DIR HGT PER WIND-DIR Z1 INST STD RECORDER TEN SQ 1206  
 CONSEC 0019 MONTH 05 SHIP LH WET BULB 19.4 21 3 3 WIND-SPD L7 TRACE DIR 0 5 SQUARE 4  
 LAT 35 12 N DAY 25 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 23.6 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E72 016 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.6	08S	00000	20.24	36.43	25.81		1524.5							
	08S	00010	19.95	36.44	25.89		1523.8							
	08S	00020	19.51	36.37	25.95		1522.7							
	08S	00030	18.92	36.37	26.11		1521.2							
	08S	00050	17.88	36.39	26.38		1518.6							
	08S	00075	17.42	36.37	26.48		1517.7							
	08S	00100	17.23	36.36	26.52		1517.5							
	08S	00125	17.08	36.35	26.55		1517.5							
	08S	00150	16.93	36.35	26.58		1517.4							
	08S	00200	16.58	36.29	26.62		1517.1							
	08S	00250	16.17	36.23	26.67		1516.6							
	08S	00300	15.84	36.17	26.70		1516.4							
	08S	00400	14.69	35.98	26.81		1514.2							
	08S	00500	13.47	35.78	26.92		1511.6							
	08S	00600	11.93	35.55	27.05		1507.8							
	08S	00700	09.92	35.30	27.22		1502.0							
	08S	00800	08.64	35.22	27.37		1498.8							
	08S	00900	07.27	35.16	27.53		1495.1							
	08S	01000	06.38	35.14	27.63		1493.3							
	08S	01100	05.96	35.15	27.70		1493.3							
	08S	01157	05.80	35.16	27.73		1493.6							
	08S	01200	05.36	35.10	27.73		1492.5							
	08S	01300	04.78	35.05	27.76		1491.7							
	08S	01312	04.95	35.10	27.78		1492.7							
	08S	01322	04.80	35.06	27.77		1492.2							
	08S	01342	04.97	35.11	27.79		1493.3							
	08S	01400	04.80	35.09	27.79		1493.5							
	08S	01500	04.63	35.08	27.80		1494.5							

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REFID 31 8322 YEAR 1972 BOTOP 03931 AIR TEMP 21.1 DIR HGT PER WIND-DIR L8 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 05 SHIP LH WET BULB 19.0 18 4 3 WIND-SPD L8 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 26 DATA USE 1 BAROMETR 1026.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 57 W HOUR 13.3 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E72 017 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SNO VEL	JXYG	P34	TOT P	NO2	NO3	SI03	PH
13.3	08S	00000	20.23	36.492	25.86		1524.5							
13.3	08S	00026	19.94	36.471	25.90		1524.3							
13.3	08S	00047	18.47	36.429	26.27		1520.3							
13.3	08S	00073	17.69	36.487	26.43		1513.5							
13.3	08S	00094	17.40	36.379	26.49		1517.9							
13.3	08S	00142	17.28	36.387	26.53		1518.4							
13.3	08S	00190	16.93	36.356	26.55		1518.1							
13.3	08S	00286	16.16	36.242	26.68		1517.2							
13.3	08S	T00384	15.20	36.063	26.76		1515.6							
13.3	08S	00481	14.07	35.884	26.87		1513.6							
13.3	08S	T00579	13.04	35.732	26.97		1511.2							
13.3	08S	T00781	09.87	35.381	27.25		1503.2							

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REFID 31 8322 YEAR 1972 BOTOP 04206 AIR TEMP 20.7 DIR HGT PER WIND-DIR Z1 INST STD RECORDER TEN SQ 1206  
 CONSEC 0021 MONTH 05 SHIP LH WET BULB 19.0 21 4 3 WIND-SPD L7 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02.4N DAY 27 DATA USE 1 BAROMETR 1026.5 SEA WIND-FOR DURATION 00.6 2 SQUARE 46  
 LONG 047 58.5W HOUR 00.2 AREA 05 CLOUD T/A CL/T/P WEATHER X1 ORIG E72 018 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.2	08S	00000	20.34	36.48	25.82		1524.8							
	08S	00010	20.34	36.48	25.82		1525.0							
	08S	00020	19.97	36.44	25.85		1524.1							
	08S	00030	19.27	36.43	26.06		1522.3							
	08S	00050	17.97	36.41	26.38		1518.9							
	08S	00075	17.69	36.40	26.44		1513.5							
	08S	00100	17.54	36.40	26.47		1513.3							
	08S	00125	17.51	36.41	26.45		1518.8							
	08S	00150	17.43	36.41	26.50		1519.1							
	08S	00200	17.27	36.37	26.52		1519.3							
	08S	00250	17.05	36.35	26.56		1519.4							
	08S	00300	16.70	36.31	26.61		1519.2							
	08S	00400	15.57	36.11	26.72		1517.1							
	08S	00500	14.46	35.95	26.84		1515.0							
	08S	00600	12.87	35.68	26.96		1511.1							
	08S	00700	10.61	35.34	27.13		1504.5							
	08S	00800	08.38	35.12	27.33		1497.7							
	08S	00900	07.14	35.10	27.50		1496.6							
	08S	01000	06.38	35.14	27.63		1493.3							
	08S	01065	05.37	35.12	27.68		1492.3							
	08S	01100	06.07	35.19	27.71		1493.4							
	08S	01129	05.83	35.19	27.75		1493.2							
	08S	01130	06.01	35.22	27.75		1494.1							
	08S	01200	05.50	35.15	27.76		1493.1							
	08S	01300	04.96	35.08	27.76		1492.5							
	08S	01400	04.66	35.06	27.78		1492.9							
	08S	01500	04.43	35.05	27.80		1493.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 04277 AIR TEMP 23.0 OIR HGT PER WIND-OIR 20 INST STO RECORDER TEN SQ 1206  
 LCNSFL 0022 MONTH 05 SHIP LH WET BULB 20.5 20 3 2 WIND-SPO 14 TRACE OIR 0 5 SQUARE 2  
 LAT 34 57 N DAY 27 DATA USE 1 BAROMETR 1020.1 SEA WIND-FUR 00.3 2 SQUARE 48  
 LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A CL/T/R WEATHER X1 ORIG ETZ 019 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
12.2	UBS	0000	20.47	36.49	25.79		1525.1							
	UBS	0010	20.41	36.49	25.81		1525.2							
	UBS	0020	20.21	36.49	25.82		1524.7							
	UBS	0030	19.41	36.44	26.03		1522.7							
	UBS	0050	18.39	36.41	26.27		1520.1							
	UBS	0057	17.75	36.39	26.42		1514.4							
	UBS	0075	17.55	36.40	26.47		1514.1							
	UBS	00100	17.50	36.40	26.48		1518.4							
	UBS	00125	17.45	36.40	26.50		1518.6							
	UBS	00150	17.42	36.40	26.50		1514.9							
	UBS	00200	17.16	36.37	26.54		1519.0							
	UBS	00250	16.97	36.35	26.57		1514.2							
	UBS	00300	16.71	36.31	26.61		1519.2							
	UBS	00350	16.05	36.20	26.68		1518.4							
	UBS	00400	15.74	36.14	26.70		1517.7							
	UBS	00430	15.28	36.06	26.74		1516.6							
	UBS	00500	14.56	35.96	26.83		1515.4							
	UBS	00600	13.17	35.74	26.95		1512.2							
	UBS	00620	12.83	35.68	26.97		1511.3							
	UBS	00640	12.52	35.65	27.01		1510.6							
	UBS	00660	12.14	35.56	27.01		1509.6							
	UBS	00700	10.84	35.37	27.11		1505.4							
	UBS	00765	09.28	35.23	27.27		1500.6							
	UBS	00800	08.66	35.20	27.35		1498.8							
	UBS	00815	08.35	35.18	27.38		1497.9							
	UBS	00900	07.44	35.20	27.53		1496.0							
	UBS	01000	06.03	35.20	27.65		1494.4							
	UBS	01032	06.32	35.18	27.67		1493.6							
	UBS	01050	06.01	35.15	27.65		1492.7							
	UBS	01100	05.57	35.08	27.65		1491.6							
	UBS	01108	05.62	35.10	27.70		1492.0							
	UBS	01200	05.00	35.05	27.75		1491.2							
	UBS	01300	04.31	35.04	27.75		1491.4							
	UBS	01400	04.51	35.02	27.77		1492.2							
	UBS	01500	04.37	35.01	27.78		1493.3							

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REFID 31 8322 YEAR 1972 BOTOP 04435 AIR TEMP 18.9 OIR HGT PER WIND-OIR 19 INST STO RECORDER TEN SQ 1206  
 CONSEC 0023 MONTH 05 SHIP LH WET BULB 17.2 19 3 3 WIND-SPO 16 TRACE OIR 0 5 SQUARE 2  
 LAT 34 59 N DAY 27 DATA USE 1 BAROMETR 1025.3 SEA WIND-FUR 00.5 2 SQUARE 48  
 LONG 048 00 W HOUR 23.7 AREA 05 CLOUD T/A CL/T/R WEATHER X1 ORIG ETZ 020 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
23.7	UBS	00000	20.67	36.49	25.74		1525.7							
	UBS	00010	20.62	36.47	25.73		1525.7							
	UBS	00020	20.42	36.47	25.75		1525.3							
	UBS	00030	19.97	36.45	25.89		1524.2							
	UBS	00050	18.27	36.40	26.29		1519.8							
	UBS	00075	17.62	36.38	26.44		1518.3							
	UBS	00100	17.45	36.38	26.48		1518.2							
	UBS	00125	17.37	36.38	26.50		1518.4							
	UBS	00150	17.29	36.37	26.51		1518.5							
	UBS	00200	17.22	36.37	26.53		1519.1							
	UBS	00250	17.08	36.37	26.56		1519.5							
	UBS	00300	16.86	36.35	26.60		1519.7							
	UBS	00340	16.33	36.23	26.63		1518.6							
	UBS	00350	16.33	36.26	26.66		1518.8							
	UBS	00400	15.70	36.13	26.70		1517.5							
	UBS	00424	15.23	36.05	26.75		1516.4							
	UBS	00500	14.38	35.92	26.83		1514.7							
	UBS	00600	12.85	35.68	26.97		1511.1							
	UBS	00700	11.06	35.42	27.11		1506.2							
	UBS	00800	08.61	35.14	27.31		1498.6							
	UBS	00810	08.55	35.19	27.36		1498.6							
	UBS	00868	07.75	35.15	27.45		1496.5							
	UBS	00873	07.83	35.21	27.48		1496.9							
	UBS	00900	07.41	35.16	27.51		1495.7							
	UBS	00960	06.77	35.14	27.58		1494.2							
	UBS	00973	07.02	35.21	27.60		1495.4							
	UBS	01000	06.68	35.19	27.63		1496.5							
	UBS	01060	06.46	35.19	27.66		1496.7							
	UBS	01100	05.68	35.09	27.65		1492.1							
	UBS	01110	05.60	35.08	27.69		1491.9							
	UBS	01121	05.88	35.14	27.70		1493.3							
	UBS	01154	05.48	35.09	27.71		1492.2							
	UBS	01200	05.11	35.06	27.73		1491.4							
	UBS	01220	05.03	35.06	27.74		1491.4							
	UBS	01232	05.12	35.09	27.75		1492.0							
	UBS	01263	04.87	35.04	27.74		1491.4							
	UBS	01300	04.77	35.04	27.75		1491.7							
	UBS	01400	04.47	35.02	27.77		1492.1							
	UBS	01500	04.29	35.01	27.78		1493.0							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTOP 04023	AIR TEMP 21.6	OIR HGT PER	WIND-OIR 20	INST STO RECORDER	TEN SQ 1206
CONSEC 0024	MONTH 05	SHIP 1H	WET BULB 19.8	20 3 2	WIND-SPD 14	TRACE DIR 0	5 SQUARE 4
LAT 35 07 N	DAY 28	DATA USE 1	BAROMETR 1022.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 40
LONG 047 55 W	HOOR 11.9	AREA 05	CLOUD 7/A	CL/TR	WEATHER X1	ORIG E72 021	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
11.9	OBS	00000	20.45	36.48	25.75		1525.1							
	OBS	00010	20.42	36.47	25.79		1525.2							
	OBS	00020	19.81	36.39	25.89		1523.5							
	OBS	00030	18.89	36.44	26.17		1521.2							
	OBS	00050	18.35	36.42	26.29		1520.0							
	OBS	00075	17.89	36.42	26.40		1519.1							
	OBS	00100	17.76	36.41	26.43		1519.1							
	OBS	00113	17.24	36.29	26.46		1517.7							
	OBS	00125	17.43	36.39	26.49		1518.5							
	OBS	00150	17.37	36.39	26.50		1518.8							
	OBS	00200	17.16	36.37	26.54		1519.0							
	OBS	00250	16.80	36.33	26.60		1518.7							
	OBS	00300	16.40	36.26	26.64		1518.2							
	OBS	00400	15.14	36.04	26.76		1515.7							
	OBS	00500	14.16	35.89	26.86		1514.0							
	OBS	00536	13.73	35.83	26.90		1513.1							
	OBS	00600	12.51	35.62	26.99		1509.8							
	OBS	00700	10.57	35.36	27.15		1504.4							
	OBS	00750	09.24	35.23	27.28		1500.2							
	OBS	00800	08.31	35.15	27.36		1497.5							
	OBS	00834	07.76	35.11	27.42		1495.9							
	OBS	00859	07.28	35.09	27.47		1494.4							
	OBS	00900	06.92	35.11	27.54		1493.7							
	OBS	00945	06.73	35.13	27.58		1493.7							
	OBS	00955	06.42	35.11	27.61		1492.7							
	OBS	00970	06.54	35.15	27.62		1493.4							
	OBS	01000	06.24	35.12	27.64		1492.7							
	OBS	01020	05.98	35.14	27.65		1492.0							
	OBS	01043	06.07	35.16	27.69		1492.8							
	OBS	01100	05.78	35.15	27.72		1492.6							
	OBS	01200	05.43	35.14	27.76		1492.8							
	OBS	01260	05.15	35.11	27.77		1492.6							
	OBS	01269	05.25	35.14	27.78		1493.2							
	OBS	01300	04.95	35.08	27.77		1492.4							
	OBS	01350	04.86	35.09	27.78		1492.9							
	OBS	01373	04.93	35.10	27.78		1493.6							
	OBS	01390	04.85	35.09	27.79		1493.6							
	OBS	01400	04.91	35.11	27.75		1494.0							
	OBS	01411	04.96	35.12	27.80		1494.4							
	OBS	01500	04.53	35.06	27.80		1494.0							

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REFID 31 8322	YEAR 1972	BOTOP 04252	AIR TEMP 20.5	OIR HGT PER	WIND-OIR 21	INST STO RECORDER	TEN SQ 1206
CONSEC 0025	MONTH 05	SHIP 1H	WET BULB 19.8	20 4 3	WIND-SPD 20	TRACE DIR 0	5 SQUARE 4
LAT 35 01 N	DAY 28	DATA USE 1	BAROMETR 1020.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 48
LONG 048 01 W	HOOR 23.6	AREA 05	CLOUD 7/A	CL/TR	WEATHER X6	ORIG E72 022	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
23.6	OBS	00000	20.53	36.48	25.77		1525.3							
	OBS	00010	20.52	36.48	25.77		1525.4							
	OBS	00020	20.48	36.48	25.78		1525.5							
	OBS	00030	19.94	36.44	25.88		1524.1							
	OBS	00050	18.79	36.43	26.18		1521.3							
	OBS	00050	17.92	36.43	26.40		1519.2							
	OBS	00100	17.58	36.39	26.46		1518.5							
	OBS	00125	17.43	36.38	26.49		1518.5							
	OBS	00150	17.33	36.37	26.50		1518.6							
	OBS	00200	17.23	36.38	26.53		1519.2							
	OBS	00250	17.03	36.36	26.57		1519.4							
	OBS	00300	16.74	36.33	26.61		1519.3							
	OBS	00400	15.73	36.15	26.71		1517.6							
	OBS	00500	14.24	35.91	26.86		1514.3							
	OBS	00600	12.70	35.67	26.99		1510.5							
	OBS	00700	10.72	35.37	27.13		1504.9							
	OBS	00800	08.62	35.17	27.33		1498.7							
	OBS	00828	08.09	35.15	27.40		1497.1							
	OBS	00892	07.55	35.17	27.49		1496.1							
	OBS	00900	07.28	35.13	27.50		1495.1							
	OBS	00940	07.12	35.17	27.56		1495.2							
	OBS	00980	06.57	35.14	27.61		1493.7							
	OBS	01000	06.57	35.18	27.64		1494.1							
	OBS	01008	06.63	35.20	27.65		1494.5							
	OBS	01040	06.17	35.13	27.65		1493.1							
	OBS	01049	06.29	35.15	27.65		1493.8							
	OBS	01058	06.00	35.11	27.66		1492.7							
	OBS	01070	06.27	35.18	27.68		1494.1							
	OBS	01100	05.88	35.13	27.69		1492.9							
	OBS	01110	05.83	35.13	27.70		1492.9							
	OBS	01130	05.40	35.06	27.70		1491.4							
	OBS	01159	05.23	35.05	27.71		1491.2							
	OBS	01182	05.70	35.16	27.74		1493.0							
	OBS	01200	05.58	35.15	27.75		1493.4							
	OBS	01230	05.03	35.06	27.74		1491.0							
	OBS	01260	04.93	35.05	27.74		1491.7							
	OBS	01294	04.94	35.07	27.76		1492.3							
	OBS	01300	05.03	35.08	27.76		1492.8							
	OBS	01330	04.76	35.05	27.76		1492.1							
	OBS	01365	04.60	35.04	27.77		1492.3							
	OBS	01380	04.74	35.07	27.78		1492.9							
	OBS	01400	04.67	35.05	27.77		1492.9							
	OBS	01455	04.50	35.04	27.75		1493.1							
	OBS	01500	04.57	35.06	27.79		1494.2							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTOP 02871	AIR TEMP 21.4	DIR HGT PER	WIND-DIR 34	INST STO RECORDER	TEN SQ 1206
COMSEC 0026	MONTH 05	SHIP 1H	WET BULB 18.4	34 2 2	WIND-SPO 15	TRACE OIR 0	5 SQUARE 4
LAT 35 04 N	DAY 29	DATA USE 1	BAROMETH 1022.6	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 01 W	HOOR 12.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 023	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	DXYG	P04	TOT P	NO2	NO3	S103	PH
12.0	08S	00000	20.43	36.48	25.79		1525.0							
	08S	00010	20.39	36.48	25.80		1525.1							
	08S	00020	20.32	36.48	25.82		1525.1							
	08S	00030	19.37	36.43	26.04		1522.6							
	08S	00050	18.48	36.42	26.26		1520.4							
	08S	00075	18.05	36.42	26.36		1519.6							
	08S	00100	17.98	36.45	26.40		1519.8							
	08S	00125	17.86	36.46	26.44		1519.9							
	08S	00150	17.64	36.43	26.47		1519.6							
	08S	00200	17.41	36.41	26.51		1519.7							
	08S	00250	17.16	36.40	26.57		1519.8							
	08S	00280	17.02	36.38	26.59		1519.9							
	08S	00300	16.73	36.30	26.55		1519.2							
	08S	00320	16.39	36.25	26.64		1518.5							
	08S	00400	15.58	36.11	26.71		1517.1							
	08S	00470	14.67	35.99	26.82		1515.3							
	08S	00500	14.40	35.91	26.82		1514.8							
	08S	00600	12.88	35.68	26.96		1511.2							
	08S	00700	10.62	35.36	27.14		1504.6							
	08S	00750	09.20	35.19	27.25		1500.0							
	08S	00800	08.47	35.13	27.32		1498.0							
	08S	00830	08.30	35.17	27.38		1497.9							
	08S	00855	07.80	35.13	27.43		1496.4							
	08S	00862	07.64	35.14	27.46		1495.9							
	08S	00870	07.76	35.20	27.49		1496.6							
	08S	00900	07.49	35.18	27.51		1496.0							
	08S	01000	06.78	35.18	27.61		1494.9							
	08S	01062	05.86	35.08	27.65		1492.2							
	08S	01080	05.89	35.13	27.65		1492.6							
	08S	01092	05.77	35.10	27.68		1492.3							
	08S	01100	05.89	35.15	27.71		1493.0							
	08S	01115	05.92	35.16	27.71		1493.4							
	08S	01140	05.73	35.13	27.71		1493.0							
	08S	01165	05.76	35.16	27.73		1493.6							
	08S	01200	05.55	35.13	27.73		1493.3							
	08S	01240	05.37	35.12	27.75		1493.2							
	08S	01250	05.41	35.13	27.75		1493.5							
	08S	01300	05.15	35.10	27.76		1493.3							
	08S	01310	04.98	35.07	27.75		1492.7							
	08S	01330	05.05	35.08	27.75		1493.4							
	08S	01332	04.97	35.09	27.77		1493.1							
	08S	01354	05.11	35.12	27.78		1494.1							
	08S	01400	04.65	35.04	27.77		1492.8							
	08S	01410	04.60	35.04	27.77		1492.8							
	08S	01450	04.81	35.08	27.78		1494.4							
	08S	01480	04.50	35.03	27.78		1493.5							
	08S	01500	04.46	35.04	27.79		1493.7							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 01737 AIR TEMP 18.6 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0027 MONTH 05 SHIP LH WET BULB 14.0 36 3 2 WIND-SPD 08 TRACE DIR 0 5 SQUARE 4  
 LAT 35 02.8N DAY 29 DATA USE 1 BAROMETR 1025.7 SFA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 047 50.0W HOUR 23.6 AREA 05 CLOUD 1/A CL/TR WEATHER X1 ORIG ETZ 024 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.6	0BS	00000	20.77	36.49	25.71		1525.9							
	0BS	00010	20.73	36.48	25.71		1526.0							
	0BS	00020	20.59	36.45	25.73		1525.7							
	0BS	00030	19.39	36.41	26.01		1522.6							
	0BS	00040	18.79	36.43	26.18		1521.1							
	0BS	00050	18.62	36.45	26.24		1520.8							
	0BS	00075	18.31	36.45	26.32		1520.1							
	0BS	00075	18.14	36.43	26.35		1519.8							
	0BS	00100	17.80	36.43	26.43		1519.3							
	0BS	00125	17.51	36.40	26.48		1518.8							
	0BS	00150	17.38	36.39	26.51		1518.8							
	0BS	00200	17.28	36.39	26.53		1519.3							
	0BS	00250	17.15	36.40	26.57		1519.8							
	0BS	00300	16.85	36.35	26.60		1519.7							
	0BS	00320	16.74	36.33	26.61		1519.6							
	0BS	00400	15.75	36.14	26.70		1517.7							
	0BS	00500	14.20	35.87	26.83		1514.1							
	0BS	00600	12.54	35.63	26.99		1510.0							
	0BS	00700	10.98	35.41	27.12		1505.9							
	0BS	00775	09.33	35.24	27.27		1501.0							
	0BS	00800	08.84	35.21	27.33		1499.5							
	0BS	00900	07.51	35.19	27.52		1496.1							
	0BS	00935	07.23	35.14	27.52		1495.5							
	0BS	00950	06.84	35.09	27.53		1494.2							
	0BS	00972	06.71	35.10	27.56		1494.1							
	0BS	00975	06.31	35.04	27.56		1492.5							
	0BS	00995	05.82	35.02	27.61		1490.8							
	0BS	01000	05.98	35.07	27.63		1491.6							
	0BS	01003	06.02	35.07	27.63		1491.8							
	0BS	01028	05.48	34.98	27.62		1489.9							
	0BS	01058	05.33	34.99	27.65		1489.8							
	0BS	01073	05.87	35.13	27.69		1492.4							
	0BS	01100	05.76	35.13	27.71		1492.5							
	0BS	01128	05.74	35.14	27.72		1492.9							
	0BS	01170	05.29	35.06	27.71		1491.6							
	0BS	01200	05.16	35.05	27.72		1491.6							
	0BS	01300	04.92	35.05	27.75		1492.3							
	0BS	01355	04.60	35.01	27.75		1491.8							
	0BS	01385	04.64	35.04	27.77		1492.5							
	0BS	01400	04.53	35.02	27.77		1492.3							
	0BS	01500	04.45	35.04	27.79		1493.7							

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REFID 31 8322 YEAR 1972 BOTOP 03566 AIR TEMP 21.0 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0028 MONTH 05 SHIP LH WET BULB 20.2 04 1 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 35 01 N DAY 30 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.6 2 SQUARE 48  
 LONG 048 00 W HOUR 11.6 AREA 05 CLOUD 1/A CL/TR WEATHER X1 ORIG ETZ 025 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.6	0BS	00000	20.83	36.50	25.70		1526.1							
	0BS	00010	20.80	36.50	25.71		1526.2							
	0BS	00020	19.45	36.40	25.99		1522.6							
	0BS	00030	18.60	36.46	26.26		1520.4							
	0BS	00050	18.23	36.43	26.33		1519.7							
	0BS	00075	18.10	36.46	26.38		1519.8							
	0BS	00100	17.80	36.43	26.43		1519.3							
	0BS	00125	17.53	36.39	26.47		1518.8							
	0BS	00150	17.45	36.40	26.50		1519.0							
	0BS	00200	17.28	36.39	26.53		1519.3							
	0BS	00250	17.15	36.38	26.55		1519.8							
	0BS	00300	16.92	36.37	26.60		1519.9							
	0BS	00320	16.74	36.34	26.62		1519.6							
	0BS	00380	15.94	36.19	26.65		1518.0							
	0BS	00400	15.59	36.10	26.70		1517.2							
	0BS	00430	15.03	36.04	26.77		1516.0							
	0BS	00500	14.54	35.97	26.84		1515.3							
	0BS	00600	13.00	35.72	26.97		1511.6							
	0BS	00615	12.86	35.70	26.98		1511.4							
	0BS	00670	11.88	35.54	27.05		1508.7							
	0BS	00700	11.19	35.41	27.08		1506.7							
	0BS	00800	09.26	35.23	27.28		1501.1							
	0BS	00822	08.77	35.17	27.31		1499.6							
	0BS	00835	08.55	35.19	27.36		1499.0							
	0BS	00848	08.28	35.16	27.38		1498.2							
	0BS	00900	07.75	35.20	27.49		1497.0							
	0BS	01000	05.89	35.00	27.59		1491.1							
	0BS	01040	05.52	35.00	27.63		1490.3							
	0BS	01060	05.90	35.13	27.69		1492.4							
	0BS	01074	05.97	35.14	27.65		1492.9							
	0BS	01100	05.61	35.08	27.65		1491.8							
	0BS	01148	05.06	35.04	27.72		1490.3							
	0BS	01160	05.42	35.11	27.73		1492.1							
	0BS	01200	05.42	35.11	27.73		1492.7							
	0BS	01223	05.28	35.09	27.73		1492.5							
	0BS	01300	05.22	35.12	27.77		1493.6							
	0BS	01400	04.84	35.08	27.78		1493.7							
	0BS	01450	04.75	35.07	27.78		1494.1							
	0BS	01475	04.63	35.06	27.79		1494.0							
	0BS	01500	04.63	35.06	27.79		1494.5							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BOTOP 03926	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 36	INST STO RECORDER	TEN SQ 1206
CDNSC 0029	MONTH 05	SHIP 1H	WET BULB 16.4	49 2 X	WIND-SPO 09	TRACE DIR 0	5 SQUARE 4
LAT 35 05 N	DAY 30	DATA USE 1	BAROMETR 1028.5	SEA	WIND-FUR	DURATION 00.5	2 SQUARE 48
LONG 048 00 W	HOUR 23.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG E72 026	1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	OXYG	PO4	TUT P	NO2	NO3	SI03	PH
23.6	085	00000	20.94	36.50	25.67		1526.4							
	085	00010	20.62	36.48	25.74		1525.7							
	085	00020	20.53	36.48	25.77		1525.6							
	085	00030	19.84	36.44	25.92		1523.9							
	085	00050	18.83	36.42	26.17		1521.4							
	085	00075	18.02	36.40	26.36		1519.5							
	085	00100	17.57	36.39	26.46		1518.5							
	085	00125	17.44	36.38	26.48		1518.6							
	085	00150	17.37	36.38	26.50		1518.8							
	085	00200	17.30	36.39	26.53		1519.4							
	085	00250	17.19	36.39	26.55		1519.9							
	085	00300	16.91	36.36	26.60		1519.8							
	085	00333	16.78	36.32	26.60		1519.9							
	085	00400	16.02	36.17	26.66		1518.6							
	085	00500	14.46	35.92	26.82		1515.0							
	085	00600	13.08	35.72	26.95		1511.9							
	085	00643	12.53	35.64	27.00		1510.6							
	085	00670	12.32	35.61	27.02		1510.3							
	085	00700	11.53	35.47	27.06		1507.9							
	085	00800	08.64	35.13	27.30		1498.7							
	085	00830	08.31	35.16	27.37		1498.0							
	085	00840	08.34	35.17	27.38		1498.3							
	085	00870	07.85	35.16	27.44		1496.9							
	085	00880	07.95	35.19	27.45		1497.5							
	085	00900	07.75	35.19	27.48		1497.0							
	085	01000	06.50	35.14	27.61		1494.0							
	085	01020	06.73	35.20	27.63		1495.1							
	085	01075	05.95	35.11	27.67		1492.8							
	085	01085	06.04	35.14	27.68		1493.3							
	085	01100	05.84	35.12	27.69		1492.8							
	085	01115	05.93	35.15	27.70		1493.4							
	085	01140	05.58	35.10	27.71		1492.4							
	085	01148	05.68	35.12	27.71		1492.9							
	085	01160	05.32	35.06	27.71		1491.6							
	085	01178	05.44	35.10	27.72		1492.4							
	085	01190	05.22	35.06	27.72		1491.7							
	085	01200	05.40	35.11	27.74		1492.6							
	085	01210	05.68	35.16	27.74		1494.0							
	085	01260	05.36	35.12	27.75		1493.5							
	085	01275	05.42	35.13	27.75		1494.0							
	085	01300	05.00	35.06	27.74		1492.6							
	085	01305	05.21	35.11	27.76		1493.6							
	085	01330	05.30	35.13	27.76		1494.4							
	085	01400	04.73	35.05	27.77		1493.2							
	085	01500	04.53	35.04	27.78		1494.0							

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TABLE LI.—Continued

REF ID 31 8322 YEAR 1972 HC TOP 04572 AIR TEMP 19.0 DIR HGT PER WIND-DIR 03 INST STO RECORDER TEN SQ 1206  
 CONSEC 0030 MONTH 05 SHIP LH WET BULB 16.7 03 2 2 WIND-SPO 07 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 31 DATA USE 1 BAROMETR 1027.6 SEA WIND-FUR WIND-ORIG 00.4 2 SQUARE 46  
 LONG 047 54 W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E72 027 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	QXYG	PU4	TOT P	NO2	NO3	SI03	PH
11.5	0BS	00000	21.07	36.51	25.64		1526.8							
	0BS	00010	21.05	36.51	25.65		1526.7							
	0BS	00020	20.99	36.51	25.66		1526.9							
	0BS	00030	20.02	36.52	25.93		1524.5							
	0BS	00050	18.67	36.51	26.28		1521.0							
	0BS	00075	18.12	36.46	26.38		1519.4							
	0BS	00100	17.87	36.44	26.42		1519.5							
	0BS	00125	17.70	36.43	26.46		1519.4							
	0BS	00150	17.42	36.38	26.49		1518.9							
	0BS	00200	17.34	36.40	26.52		1519.5							
	0BS	00250	17.24	36.40	26.55		1520.1							
	0BS	00300	16.95	36.38	26.60		1520.0							
	0BS	00400	15.97	36.18	26.68		1518.4							
	0BS	00440	15.41	36.08	26.71		1517.2							
	0BS	00500	14.85	36.03	26.82		1516.4							
	0BS	00600	13.50	35.77	26.90		1513.3							
	0BS	00680	12.58	35.64	26.94		1511.4							
	0BS	00700	12.01	35.51	27.00		1509.6							
	0BS	00800	09.38	35.24	27.26		1501.6							
	0BS	00828	08.73	35.17	27.31		1499.5							
	0BS	00860	08.23	35.16	27.38		1498.2							
	0BS	00900	07.89	35.19	27.46		1497.6							
	0BS	01000	06.03	35.02	27.54		1491.7							
	0BS	01025	05.81	35.01	27.61		1491.2							
	0BS	01050	06.03	35.10	27.65		1492.7							
	0BS	01062	05.89	35.10	27.67		1492.3							
	0BS	01085	05.96	35.13	27.68		1493.0							
	0BS	01100	05.93	35.13	27.69		1493.1							
	0BS	01123	05.93	35.15	27.70		1493.5							
	0BS	01145	05.91	35.16	27.71		1493.8							
	0BS	01190	05.42	35.10	27.73		1492.5							
	0BS	01200	05.49	35.12	27.73		1493.0							
	0BS	01240	05.11	35.07	27.74		1492.1							
	0BS	01300	04.93	35.04	27.74		1492.3							
	0BS	01325	04.82	35.05	27.76		1492.3							
	0BS	01352	04.94	35.08	27.77		1493.3							
	0BS	01370	04.70	35.04	27.76		1492.5							
	0BS	01400	04.58	35.03	27.77		1492.5							
	0BS	01500	04.36	35.01	27.78		1493.3							
	0BS	01750	04.04	35.00	27.80		1496.1							
	0BS	02000	03.83	35.00	27.83		1499.5							
	0BS	02180	03.81	35.02	27.84		1502.5							
	0BS	02500	03.46	35.00	27.86		1506.5							
	0BS	02660	03.23	34.96	27.85		1508.2							
	0BS	03000	02.99	34.96	27.88		1513.0							

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REF ID 31 8322 YEAR 1972 BOTOP 04224 AIR TEMP 19.0 DIR HGT PER WIND-DIR 06 INST STO RECORDER TEN SQ 1206  
 CONSEC 0031 MONTH 05 SHIP LH WET BULB 16.2 49 2 X WIND-SPO 07 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1027.5 SEA WIND-FUR WIND-ORIG 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E72 028 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	QXYG	PU4	TOT P	NO2	NO3	SI03	PH
23.7	0BS	00000	21.26	36.52	25.60		1527.3							
	0BS	00010	21.05	36.51	25.65		1526.9							
	0BS	00020	20.46	36.54	25.83		1525.5							
	0BS	00030	19.78	36.43	25.93		1523.7							
	0BS	00037	18.95	36.50	26.20		1521.6							
	0BS	00050	18.73	36.50	26.25		1521.2							
	0BS	00075	18.27	36.47	26.35		1520.3							
	0BS	00100	18.02	36.44	26.39		1519.9							
	0BS	00125	17.78	36.43	26.44		1519.6							
	0BS	00150	17.54	36.40	26.47		1519.3							
	0BS	00200	17.33	36.39	26.52		1519.5							
	0BS	00250	17.24	36.40	26.55		1520.1							
	0BS	00300	17.04	36.39	26.59		1520.3							
	0BS	00340	16.91	36.38	26.61		1520.5							
	0BS	00400	16.17	36.20	26.64		1519.1							
	0BS	00440	15.35	36.08	26.74		1517.0							
	0BS	00489	14.82	36.04	26.83		1516.1							
	0BS	00500	14.83	36.04	26.83		1516.3							
	0BS	00600	13.27	35.76	26.94		1512.6							
	0BS	00700	11.64	35.52	27.08		1508.4							
	0BS	00766	09.99	35.29	27.20		1503.3							
	0BS	00800	09.55	35.25	27.24		1502.2							
	0BS	00827	08.76	35.18	27.32		1499.6							
	0BS	00858	08.22	35.13	27.36		1498.1							
	0BS	00900	07.89	35.17	27.44		1497.5							
	0BS	00932	07.43	35.17	27.51		1496.3							
	0BS	01000	07.10	35.17	27.56		1496.2							
	0BS	01100	06.46	35.19	27.66		1495.3							
	0BS	01122	06.23	35.17	27.68		1494.4							
	0BS	01200	05.45	35.08	27.71		1492.8							
	0BS	01212	05.32	35.06	27.71		1492.5							
	0BS	01230	05.12	35.05	27.72		1491.9							
	0BS	01300	04.96	35.05	27.74		1492.4							
	0BS	01400	04.63	35.03	27.76		1492.7							
	0BS	01470	04.46	35.02	27.77		1493.2							
	0BS	01500	04.49	35.04	27.75		1493.9							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 04023 AIR TEMP 20.0 DIR HGT PER WIND-DIR 07 INST STO RECORDER TEN SQ 1206  
 CONSEC 0032 MONTH 06 SHIP 1H WET HULB 17.0 DIR 07 1 2 WIND-SPO 07 TRACE DIR 0 D 5 SQUARE 2  
 LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1027.4 SEA WIND-FJK 00.4 2 SQUARE 48  
 LONG 048 04 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETZ 029 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNORTH	SNO VEL	XYG	P34	TOT P	NO2	NO3	SIJ3	PH
11.6	0BS	00000	21.21	36.59	25.66		1527.2							
	0BS	00010	21.08	36.57	25.68		1527.0							
	0BS	00020	20.56	36.55	25.81		1525.8							
	0BS	00030	19.55	36.57	26.10		1523.2							
	0BS	00050	18.65	36.50	26.22		1521.5							
	0BS	00075	18.37	36.47	26.32		1520.5							
	0BS	00100	18.10	36.46	26.38		1520.2							
	0BS	00125	17.91	36.44	26.41		1520.0							
	0BS	00150	17.70	36.40	26.44		1519.8							
	0BS	00200	17.55	36.44	26.50		1520.2							
	0BS	00230	17.31	36.37	26.51		1519.7							
	0BS	00250	17.34	36.42	26.54		1520.4							
	0BS	00300	17.16	36.41	26.57		1520.6							
	0BS	00400	16.44	36.26	26.63		1520.0							
	0BS	00500	14.95	36.01	26.78		1516.7							
	0BS	00600	13.34	35.75	26.92		1512.8							
	0BS	00627	13.13	35.74	26.96		1512.5							
	0BS	00700	11.86	35.52	27.04		1509.1							
	0BS	00800	09.37	35.22	27.25		1501.5							
	0BS	00822	08.91	35.15	27.27		1500.1							
	0BS	00840	08.39	35.13	27.34		1498.4							
	0BS	00900	07.76	35.17	27.46		1497.0							
	0BS	00924	07.74	35.18	27.47		1497.4							
	0BS	01000	06.84	35.15	27.58		1495.1							
	0BS	01100	05.29	34.99	27.65		1490.4							
	0BS	01130	05.04	34.98	27.68		1489.8							
	0BS	01154	05.12	34.99	27.67		1490.6							
	0BS	01170	04.97	34.99	27.65		1490.2							
	0BS	01180	05.04	35.02	27.71		1490.7							
	0BS	01200	04.95	35.01	27.71		1490.7							
	0BS	01243	04.72	34.98	27.71		1490.4							
	0BS	01300	04.65	34.99	27.73		1491.1							
	0BS	01400	04.50	35.00	27.75		1492.2							
	0BS	01500	04.27	34.99	27.77		1492.9							

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REFID 31 8322 YEAR 1972 BOTOP 04309 AIR TEMP 19.1 DIR HGT PER WIND-DIR 08 INST STO RECORDER TEN SQ 1206  
 CONSEC 0033 MONTH 06 SHIP 1H WET HULB 16.1 DIR 08 2 2 WIND-SPO 06 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 01 DATA USE 1 BAROMETR 1027.5 SEA WIND-FJK 00.4 2 SQUARE 48  
 LONG 048 06 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETZ 030 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNORTH	SNO VEL	XYG	P14	TOT P	NO2	NO3	SIJ3	PH
23.5	0BS	00000	21.46	36.60	25.60		1527.3							
	0BS	00010	21.08	36.56	25.68		1527.0							
	0BS	00020	20.58	36.54	25.80		1525.8							
	0BS	00030	19.63	36.53	26.04		1523.4							
	0BS	00050	18.60	36.49	26.28		1520.8							
	0BS	00075	18.18	36.46	26.36		1520.0							
	0BS	00100	17.95	36.44	26.40		1519.7							
	0BS	00125	17.76	36.42	26.44		1519.5							
	0BS	00150	17.56	36.39	26.46		1519.3							
	0BS	00175	17.36	36.36	26.45		1519.1							
	0BS	00200	17.43	36.42	26.52		1519.8							
	0BS	00250	17.23	36.40	26.55		1520.0							
	0BS	00300	16.95	36.36	26.59		1520.0							
	0BS	00400	16.03	36.20	26.68		1513.6							
	0BS	00480	14.86	36.00	26.74		1516.1							
	0BS	00500	14.81	36.01	26.81		1516.2							
	0BS	00600	13.21	35.73	26.93		1512.3							
	0BS	00700	11.58	35.47	27.05		1508.1							
	0BS	00800	09.34	35.24	27.27		1501.4							
	0BS	00803	09.34	35.24	27.26		1501.7							
	0BS	00866	08.17	35.13	27.37		1498.3							
	0BS	00875	08.28	35.16	27.38		1498.6							
	0BS	00900	07.95	35.18	27.44		1497.6							
	0BS	01000	06.50	35.10	27.55		1493.7							
	0BS	01018	05.91	35.01	27.54		1491.5							
	0BS	01040	05.65	35.01	27.63		1490.9							
	0BS	01056	05.85	35.09	27.66		1492.0							
	0BS	01095	05.20	34.98	27.66		1489.9							
	0BS	01100	05.29	35.04	27.65		1490.4							
	0BS	01118	05.80	35.13	27.70		1492.9							
	0BS	01148	05.84	35.14	27.70		1493.6							
	0BS	01200	05.46	35.10	27.72		1492.9							
	0BS	01300	05.07	35.08	27.75		1492.9							
	0BS	01330	05.10	35.09	27.76		1493.6							
	0BS	01350	04.93	35.06	27.75		1493.2							
	0BS	01357	05.00	35.08	27.76		1493.8							
	0BS	01393	04.61	35.02	27.76		1492.7							
	0BS	01400	04.76	35.06	27.77		1493.3							
	0BS	01408	04.56	35.05	27.74		1492.6							
	0BS	01438	04.69	35.06	27.78		1493.7							
	0BS	01500	04.47	35.02	27.77		1493.7							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 04206 AIR TEMP 20.8 DIR HGT PER WIND-DIR 13 INST STO RECORDER TEN SQ 1206  
 CONSEC 0034 MONTH 06 SHIP 1H WET BULB 17.8 DIR 3 2 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 46  
 LONG 047 59 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETZ 031 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.6	OBS	00000	21.18	36.52	25.62		1527.1							
	OBS	00010	21.17	36.53	25.63		1527.2							
	OBS	00020	20.92	36.49	25.67		1526.7							
	OBS	00030	20.08	36.54	25.93		1524.6							
	OBS	00050	18.77	36.50	26.24		1521.3							
	OBS	00075	18.14	36.43	26.35		1519.8							
	OBS	00100	17.86	36.42	26.41		1519.4							
	OBS	00125	17.68	36.40	26.44		1519.3							
	OBS	00150	17.49	36.41	26.49		1519.2							
	OBS	00200	17.36	36.41	26.53		1519.6							
	OBS	00250	17.16	36.39	26.56		1519.8							
	OBS	00300	16.86	36.35	26.60		1519.7							
	OBS	00342	16.56	36.30	26.63		1519.4							
	OBS	00400	15.82	36.14	26.68		1517.9							
	OBS	00464	14.96	36.02	26.78		1516.1							
	OBS	00500	14.76	35.99	26.81		1516.1							
	OBS	00600	13.22	35.75	26.95		1512.4							
	OBS	00620	13.10	35.74	26.96		1512.3							
	OBS	00700	11.99	35.55	27.04		1509.6							
	OBS	00712	11.59	35.47	27.05		1508.3							
	OBS	00740	11.19	35.44	27.10		1507.4							
	OBS	00800	09.88	35.28	27.21		1503.5							
	OBS	00810	09.40	35.19	27.22		1501.8							
	OBS	00850	08.45	35.13	27.33		1498.8							
	OBS	00900	07.78	35.17	27.46		1497.1							
	OBS	00923	07.42	35.16	27.51		1496.1							
	OBS	00933	07.51	35.20	27.52		1496.7							
	OBS	00992	06.85	35.15	27.58		1495.0							
	OBS	01000	07.00	35.21	27.60		1495.8							
	OBS	01100	06.06	35.14	27.68		1493.7							
	OBS	01135	05.93	35.15	27.70		1493.7							
	OBS	01160	05.98	35.18	27.72		1494.4							
	OBS	01200	05.72	35.15	27.73		1494.0							
	OBS	01250	05.56	35.14	27.74		1494.2							
	OBS	01270	05.56	35.15	27.75		1494.5							
	OBS	01300	05.34	35.12	27.75		1494.1							
	OBS	01325	04.99	35.07	27.75		1493.0							
	OBS	01342	05.04	35.09	27.76		1493.5							
	OBS	01362	04.74	35.04	27.76		1492.6							
	OBS	01400	04.67	35.03	27.76		1492.9							
	OBS	01440	04.54	35.01	27.76		1493.0							
	OBS	01500	04.51	35.03	27.78		1493.9							

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REFID 31 8322 YEAR 1972 BOTOP 03658 AIR TEMP 19.6 DIR HGT PER WIND-DIR 03 INST STO RECORDER TEN SQ 1206  
 CONSEC 0035 MONTH 06 SHIP 1H WET BULB 17.3 DIR 4 3 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1027.2 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETZ 032 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
23.5	OBS	00000	21.44	36.59	25.60		1527.8							
	OBS	00010	21.39	36.58	25.61		1527.8							
	OBS	00020	21.01	36.55	25.69		1527.0							
	OBS	00030	19.84	36.49	25.96		1523.9							
	OBS	00050	18.70	36.47	26.24		1521.1							
	OBS	00075	18.26	36.45	26.33		1520.2							
	OBS	00100	18.03	36.45	26.39		1520.0							
	OBS	00125	17.84	36.44	26.43		1519.8							
	OBS	00150	17.63	36.41	26.46		1519.6							
	OBS	00200	17.35	36.38	26.51		1519.5							
	OBS	00250	17.32	36.42	26.54		1520.3							
	OBS	00300	17.01	36.38	26.59		1520.2							
	OBS	00360	16.62	36.30	26.62		1519.9							
	OBS	00400	16.10	36.21	26.67		1518.9							
	OBS	00470	14.94	35.99	26.77		1516.1							
	OBS	00500	14.74	36.00	26.82		1516.0							
	OBS	00600	13.16	35.73	26.94		1512.2							
	OBS	00650	12.68	35.64	26.97		1511.3							
	OBS	00700	11.62	35.49	27.06		1508.3							
	OBS	00800	09.47	35.25	27.26		1501.9							
	OBS	00811	09.01	35.17	27.27		1500.3							
	OBS	00840	08.51	35.17	27.35		1498.9							
	OBS	00900	07.90	35.18	27.45		1497.6							
	OBS	00982	06.77	35.06	27.52		1494.4							
	OBS	01000	06.53	35.10	27.58		1493.8							
	OBS	01050	05.76	35.00	27.60		1491.4							
	OBS	01082	06.08	35.12	27.66		1493.4							
	OBS	01100	05.74	35.06	27.65		1492.3							
	OBS	01122	05.87	35.12	27.68		1493.3							
	OBS	01178	05.48	35.08	27.70		1492.6							
	OBS	01185	05.54	35.11	27.72		1493.0							
	OBS	01200	05.51	35.11	27.72		1493.1							
	OBS	01230	05.28	35.07	27.72		1492.6							
	OBS	01244	05.35	35.10	27.73		1493.2							
	OBS	01260	05.08	35.06	27.73		1492.3							
	OBS	01300	05.13	35.08	27.74		1493.2							
	OBS	01360	04.81	35.04	27.75		1492.8							
	OBS	01378	04.90	35.07	27.76		1493.5							
	OBS	01400	04.69	35.03	27.76		1493.0							
	OBS	01448	04.85	35.08	27.78		1494.5							
	OBS	01490	04.68	35.05	27.77		1494.5							
	OBS	01500	04.65	35.07	27.79		1494.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 03749 AIR TEMP 20.7 DIR HGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1206  
 CONSEC 0036 MONTH 06 SHIP LH WET BULB 18.7 OB 4 3 WIND-SPD 21 TRACE DIR 0 5 SQUARE 4  
 LAT 35 03 N DAY 03 DATA USE 1 BAROMETR 1027.7 SEA WIND-FUN DURATION 00.5 2 SQUARE 46  
 LONG 047 59 W HOUR 11.6 AREA 05 CLOUD T/A CL/TRK WEATHER X1 ORIG E72 013 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
11.6	085	00000	21.33	36.58	25.62		1527.5							
	085	00010	20.99	36.56	25.70		1526.8							
	085	00020	20.67	36.57	25.80		1526.1							
	085	00030	19.92	36.55	25.98		1524.2							
	085	00050	19.15	36.53	26.17		1522.4							
	085	00075	18.53	36.49	26.30		1521.0							
	085	00100	18.31	36.48	26.34		1520.8							
	085	00125	18.03	36.45	26.35		1520.4							
	085	00150	17.84	36.45	26.44		1520.2							
	085	00200	17.57	36.43	26.49		1520.2							
	085	00210	17.45	36.40	26.50		1520.0							
	085	00240	17.35	36.40	26.52		1520.2							
	085	00250	17.39	36.43	26.53		1520.5							
	085	00300	17.16	36.40	26.57		1520.6							
	085	00360	16.93	36.37	26.60		1520.9							
	085	00400	16.64	36.31	26.62		1520.6							
	085	00500	15.33	36.04	26.72		1517.9							
	085	00600	13.68	35.79	26.88		1514.0							
	085	00700	11.79	35.50	27.04		1508.9							
	085	00800	09.70	35.24	27.21		1502.8							
	085	00950	08.54	35.14	27.32		1499.1							
	085	01000	07.92	35.17	27.44		1497.7							
	085	01068	06.69	35.11	27.57		1494.5							
	085	01084	05.85	35.08	27.66		1492.2							
	085	01084	05.97	35.13	27.68		1493.0							
	085	01100	05.90	35.12	27.68		1493.0							
	085	01125	05.61	35.08	27.69		1492.2							
	085	01200	05.37	35.09	27.72		1492.5							
	085	01215	05.26	35.07	27.72		1492.3							
	085	01220	05.34	35.11	27.74		1492.7							
	085	01300	04.68	35.04	27.74		1492.1							
	085	01355	04.75	35.03	27.75		1492.5							
	085	01382	04.52	35.00	27.75		1491.9							
	085	01390	04.56	35.01	27.75		1492.3							
	085	01400	04.55	35.00	27.75		1492.4							
	085	01440	04.39	34.99	27.76		1492.4							
	085	01500	04.32	35.00	27.77		1493.1							

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REFID 31 8322 YEAR 1972 BOTOP 04123 AIR TEMP 20.0 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1206  
 CONSEC 0037 MONTH 06 SHIP LH WET BULB 18.2 OB 4 3 WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 35 05 N DAY 03 DATA USE 1 BAROMETR 1027.4 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 55.5W HOUR 23.5 AREA 05 CLOUD T/A CL/TRK WEATHER X1 ORIG E72 034 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
23.5	085	00000	20.96	36.50	25.66		1526.5							
	085	00010	20.89	36.48	25.67		1526.4							
	085	00020	19.84	36.42	25.90		1523.7							
	085	00030	19.09	36.40	26.09		1521.8							
	085	00050	18.26	36.42	26.31		1519.8							
	085	00075	17.99	36.43	26.39		1519.4							
	085	00100	17.69	36.40	26.44		1518.9							
	085	00125	17.52	36.38	26.46		1518.8							
	085	00150	17.41	36.39	26.50		1518.9							
	085	00200	17.32	36.39	26.52		1519.5							
	085	00250	17.18	36.40	26.56		1519.9							
	085	00300	16.99	36.38	26.59		1520.1							
	085	00350	16.62	36.31	26.63		1519.7							
	085	00400	15.82	36.15	26.69		1517.9							
	085	00440	15.13	36.01	26.74		1516.3							
	085	00500	14.68	35.99	26.82		1515.8							
	085	00600	13.49	35.79	26.92		1513.3							
	085	00700	11.75	35.52	27.06		1508.8							
	085	00800	09.81	35.27	27.21		1503.2							
	085	00811	09.60	35.22	27.21		1502.5							
	085	00860	08.70	35.18	27.33		1500.0							
	085	00900	07.98	35.12	27.39		1497.8							
	085	01000	06.75	35.14	27.58		1494.7							
	085	01020	06.82	35.16	27.59		1495.4							
	085	01030	06.69	35.14	27.59		1495.0							
	085	01100	06.16	35.11	27.64		1494.0							
	085	01110	05.96	35.09	27.65		1493.4							
	085	01200	05.70	35.13	27.71		1493.9							
	085	01225	05.79	35.16	27.73		1494.7							
	085	01236	05.59	35.12	27.72		1494.0							
	085	01246	05.62	35.14	27.73		1494.3							
	085	01300	05.25	35.09	27.74		1493.7							
	085	01400	04.95	35.09	27.77		1494.1							
	085	01419	04.79	35.06	27.77		1493.8							
	085	01430	04.91	35.09	27.78		1494.5							
	085	01500	04.57	35.04	27.78		1494.2							

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TABLE LI.—Continued

REF ID: A322 YEAR: 1972 BOTOP: 04297 AIR TEMP: 20.6 DIR HGT PER: WIND-DIR: 05 INST STO RECORDER: TEN SQ: 1206  
 CONSEC: 0038 MONTH: 06 SHIP ID: WET BULB: 19.2 DIR: 05 3 2 WIND-SPO: 16 TRACE DIR: 0 5 SQUARE: 4  
 LAT: 35 05 N DAY: 04 DATA USE: 1 BAROMETR: 1025.8 SEA: WIND-FGR: DURATION: 00.4 2 SQUARE: 46  
 LONG: 047 58 W HOUR: 11.6 AREA: 05 CLOUD: T/A CL/TR: WEATHER: X1 DURIG: E72 035 1 SQUARE: 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.6	0BS	00000	20.98	36.49	25.65		1526.5							
	0BS	00010	20.97	36.49	25.65		1526.6							
	0BS	00020	20.27	36.43	25.80		1526.9							
	0BS	00030	19.22	36.42	26.07		1522.1							
	0BS	00050	18.41	36.44	26.29		1520.2							
	0BS	00075	18.01	36.42	26.37		1519.5							
	0BS	00100	17.83	36.43	26.43		1519.4							
	0BS	00125	17.64	36.41	26.46		1519.2							
	0BS	00150	17.50	36.40	26.48		1519.2							
	0BS	00170	17.38	36.38	26.50		1519.1							
	0BS	00175	17.42	36.41	26.51		1519.4							
	0BS	00200	17.34	36.40	26.52		1519.5							
	0BS	00250	17.15	36.39	26.56		1519.8							
	0BS	00300	16.95	36.37	26.59		1520.0							
	0BS	00350	16.60	36.30	26.62		1519.7							
	0BS	00400	15.83	36.13	26.67		1517.9							
	0BS	00450	15.18	36.02	26.74		1516.6							
	0BS	00500	14.76	35.99	26.81		1516.1							
	0BS	00600	13.64	35.80	26.90		1513.8							
	0BS	00657	12.98	35.70	26.96		1512.5							
	0BS	00700	12.04	35.54	27.02		1509.8							
	0BS	00800	09.60	35.25	27.23		1502.4							
	0BS	00821	09.09	35.18	27.26		1500.8							
	0BS	00828	09.22	35.24	27.29		1501.4							
	0BS	00871	08.30	35.15	27.37		1498.6							
	0BS	00900	08.08	35.18	27.42		1498.3							
	0BS	00972	07.02	35.13	27.54		1495.3							
	0BS	00979	07.12	35.16	27.55		1495.9							
	0BS	01000	06.98	35.20	27.60		1495.7							
	0BS	01033	06.94	35.19	27.60		1496.1							
	0BS	01100	06.37	35.19	27.68		1495.0							
	0BS	01160	05.79	35.13	27.70		1493.6							
	0BS	01176	05.57	35.19	27.73		1494.6							
	0BS	01200	05.74	35.14	27.72		1494.1							
	0BS	01221	05.50	35.10	27.72		1493.4							
	0BS	01239	05.57	35.14	27.74		1494.0							
	0BS	01300	05.11	35.08	27.75		1493.1							
	0BS	01335	05.06	35.07	27.74		1493.5							
	0BS	01345	04.81	35.03	27.74		1492.6							
	0BS	01400	04.65	35.02	27.75		1492.8							
	0BS	01445	04.52	35.02	27.77		1493.0							
	0BS	01500	04.51	35.03	27.78		1493.9							

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REF ID: A322 YEAR: 1972 BOTOP: 04389 AIR TEMP: 20.0 DIR HGT PER: WIND-DIR: 15 INST STO RECORDER: TEN SQ: 1206  
 LUNSEC: 0019 MONTH: 06 SHIP ID: WET BULB: 17.9 DIR: 15 3 3 WIND-SPO: 17 TRACE DIR: 0 5 SQUARE: 2  
 LAT: 36 58 N DAY: 04 DATA USE: 1 BAROMETR: 1025.8 SEA: WIND-FGR: DURATION: 00.4 2 SQUARE: 46  
 LONG: 047 59 W HOUR: 23.3 AREA: 05 CLOUD: T/A CL/TR: WEATHER: X1 DURIG: E72 036 1 SQUARE: 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
23.3	0BS	00000	21.33	36.50	25.56		1527.4							
	0BS	00010	21.33	36.51	25.57		1527.6							
	0BS	00020	21.05	36.48	25.62		1527.0							
	0BS	00030	20.30	36.44	25.80		1525.1							
	0BS	00050	18.87	36.41	26.15		1521.5							
	0BS	00075	18.24	36.44	26.33		1520.1							
	0BS	00100	17.88	36.43	26.41		1519.5							
	0BS	00125	17.63	36.40	26.45		1519.1							
	0BS	00150	17.41	36.37	26.48		1518.9							
	0BS	00200	17.31	36.39	26.52		1519.4							
	0BS	00250	17.17	36.39	26.56		1519.8							
	0BS	00300	17.05	36.39	26.59		1520.3							
	0BS	00369	16.55	36.30	26.64		1519.8							
	0BS	00400	16.15	36.20	26.65		1519.0							
	0BS	00500	14.96	36.01	26.78		1516.7							
	0BS	00600	13.75	35.82	26.89		1514.2							
	0BS	00670	12.84	35.69	26.98		1512.2							
	0BS	00700	12.20	35.57	27.01		1510.4							
	0BS	00800	10.07	35.29	27.19		1504.2							
	0BS	00860	08.67	35.14	27.30		1499.8							
	0BS	00868	08.75	35.20	27.33		1500.3							
	0BS	00900	08.18	35.17	27.40		1498.6							
	0BS	00962	07.29	35.15	27.52		1496.2							
	0BS	00980	07.27	35.16	27.53		1496.5							
	0BS	01000	06.91	35.11	27.54		1495.3							
	0BS	01033	06.53	35.13	27.61		1494.4							
	0BS	01055	06.48	35.14	27.62		1494.0							
	0BS	01066	06.21	35.09	27.62		1493.6							
	0BS	01088	06.11	35.12	27.65		1493.6							
	0BS	01100	06.20	35.16	27.67		1494.3							
	0BS	01111	06.05	35.13	27.67		1493.8							
	0BS	01128	06.09	35.16	27.65		1494.3							
	0BS	01152	06.04	35.16	27.69		1494.5							
	0BS	01200	05.51	35.10	27.71		1493.1							
	0BS	01210	05.62	35.12	27.72		1493.7							
	0BS	01220	05.46	35.10	27.72		1493.2							
	0BS	01232	05.65	35.15	27.74		1494.2							
	0BS	01255	05.32	35.10	27.74		1493.2							
	0BS	01287	05.33	35.10	27.74		1493.8							
	0BS	01300	04.95	35.04	27.73		1492.4							
	0BS	01338	04.97	35.06	27.75		1493.1							
	0BS	01400	04.61	35.02	27.76		1492.6							
	0BS	01500	04.41	35.02	27.78		1493.5							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 03983 AIR TEMP 19.0 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0040 MONTH 06 SHIP 1H WET BULB 17.0 WIND-SPD 17 TRACE DIR 0 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 048 02 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETZ 037 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DXYG	PJA	TOT P	NO2	NO3	S103	PH
11.6	08S	00000	20.99	36.49	25.65		1526.5							
	08S	00010	21.00	36.49	25.65		1526.7							
	08S	00020	20.42	36.41	25.74		1525.2							
	08S	00030	19.35	36.44	26.05		1522.5							
	08S	00050	18.32	36.42	26.30		1519.9							
	08S	00075	17.98	36.44	26.40		1519.4							
	08S	00100	17.67	36.41	26.45		1518.9							
	08S	00125	17.54	36.41	26.48		1518.9							
	08S	00150	17.41	36.39	26.50		1518.9							
	08S	00200	17.31	36.39	26.52		1519.4							
	08S	00250	17.18	36.39	26.55		1519.9							
	08S	00300	17.00	36.38	26.59		1520.1							
	08S	00350	16.67	36.32	26.62		1519.9							
	08S	00400	16.08	36.21	26.68		1518.8							
	08S	00450	15.06	36.02	26.76		1516.2							
	08S	00480	14.79	36.00	26.81		1515.8							
	08S	00490	14.84	36.02	26.81		1516.2							
	08S	00500	14.78	36.01	26.82		1516.1							
	08S	00600	13.70	35.83	26.91		1514.1							
	08S	00640	13.43	35.78	26.93		1513.8							
	08S	00700	12.38	35.62	27.01		1511.0							
	08S	00800	10.34	35.32	27.16		1505.2							
	08S	00870	08.75	35.12	27.27		1500.2							
	08S	00900	08.14	35.16	27.40		1498.5							
	08S	00944	07.76	35.18	27.47		1497.8							
	08S	00960	07.32	35.14	27.50		1496.3							
	08S	01000	07.02	35.13	27.54		1495.8							
	08S	01012	06.83	35.14	27.57		1495.3							
	08S	01019	06.92	35.16	27.58		1495.8							
	08S	01055	06.48	35.15	27.63		1494.6							
	08S	01073	06.61	35.19	27.64		1495.5							
	08S	01100	06.11	35.12	27.65		1493.8							
	08S	01110	06.05	35.12	27.66		1493.8							
	08S	01121	06.14	35.16	27.68		1494.4							
	08S	01170	05.68	35.10	27.65		1493.3							
	08S	01200	05.66	35.13	27.72		1493.7							
	08S	01220	05.81	35.18	27.74		1494.7							
	08S	01230	05.65	35.15	27.74		1494.2							
	08S	01245	05.72	35.17	27.74		1494.8							
	08S	01300	05.41	35.13	27.75		1494.4							
	08S	01400	04.56	35.09	27.77		1494.2							
	08S	01500	04.69	35.07	27.79		1494.7							

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REFID 31 8322 YEAR 1972 BOTOP 04393 AIR TEMP 20.2 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0041 MONTH 06 SHIP 1H WET BULB 19.1 WIND-SPD 10 TRACE DIR 0 5 SQUARE 2  
 LAT 34 58 N DAY 05 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 00.5 2 SQUARE 48  
 LONG 047 54 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG ETZ 038 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	DXYG	PJA	TOT P	NO2	NO3	S103	PH
23.6	08S	00000	20.98	36.46	25.63		1526.5							
	08S	00010	20.96	36.46	25.63		1526.6							
	08S	00020	20.89	36.46	25.65		1526.0							
	08S	00030	20.40	36.38	25.72		1525.3							
	08S	00050	18.73	36.39	26.17		1521.1							
	08S	00075	18.01	36.43	26.38		1519.5							
	08S	00100	17.83	36.43	26.43		1519.4							
	08S	00125	17.73	36.42	26.44		1519.5							
	08S	00150	17.49	36.39	26.46		1519.1							
	08S	00200	17.27	36.37	26.52		1519.3							
	08S	00250	17.21	36.39	26.55		1519.9							
	08S	00300	16.96	36.36	26.58		1520.0							
	08S	00340	16.66	36.31	26.62		1519.7							
	08S	00400	15.94	36.17	26.68		1518.3							
	08S	00420	15.55	36.11	26.72		1517.4							
	08S	00500	14.95	36.02	26.79		1516.7							
	08S	00545	14.70	35.99	26.82		1516.5							
	08S	00600	13.98	35.85	26.97		1515.0							
	08S	00650	13.55	35.78	26.90		1514.3							
	08S	00700	12.84	35.69	26.98		1512.7							
	08S	00800	10.56	35.33	27.13		1506.0							
	08S	00848	09.00	35.17	27.27		1500.9							
	08S	00885	08.69	35.20	27.34		1500.4							
	08S	00900	08.36	35.16	27.36		1499.3							
	08S	00950	07.69	35.17	27.47		1497.6							
	08S	01000	07.37	35.21	27.55		1497.3							
	08S	01100	06.54	35.15	27.65		1495.6							
	08S	01111	06.35	35.15	27.65		1495.0							
	08S	01140	06.08	35.14	27.67		1494.4							
	08S	01143	05.95	35.14	27.69		1493.9							
	08S	01160	06.04	35.16	27.69		1494.6							
	08S	01178	05.83	35.13	27.70		1494.0							
	08S	01183	05.94	35.15	27.70		1494.6							
	08S	01200	05.72	35.12	27.70		1493.7							
	08S	01221	05.75	35.15	27.72		1494.5							
	08S	01300	05.47	35.14	27.75		1494.0							
	08S	01400	05.27	35.13	27.77		1493.5							
	08S	01414	05.01	35.09	27.77		1494.7							
	08S	01440	04.79	35.06	27.77		1494.1							
	08S	01460	04.79	35.06	27.77		1494.8							
	08S	01500	04.61	35.06	27.79		1494.4							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP G3200 AIR TEMP 20.8 DIR HGT PER WIND-DIR 15 INST STD RECORDER TEN SQ 1206  
 CONSEC 0042 MONTH 06 SHIP 1H WET BULB 18.5 49 2 X WIND-SPD 12 TRACE DIR D 5 SQUARE 4  
 LAT 15 01 N DAY 06 DATA USE 1 BAROMETR 1022.4 SEA WIND-FOK DURATION 00.4 2 SQUARE 48  
 LONG 048 03 W HOUR 11.6 AREA 05 CLUDD T/A CL/TR WEATHER X1 ORIG ETZ 039 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	ORYG	PJ4	TOT P	NO2	NO3	SI03	PH
11.6	0BS	00000	21.11	36.46	25.59		1526.9							
	0BS	00010	21.06	36.45	25.60		1526.8							
	0BS	00020	20.76	36.49	25.71		1526.3							
	0BS	00030	19.69	36.43	25.96		1523.3							
	0BS	00050	18.38	36.42	26.28		1520.1							
	0BS	00075	18.07	36.43	26.37		1519.6							
	0BS	00100	17.87	36.43	26.42		1519.5							
	0BS	00125	17.66	36.41	26.45		1519.2							
	0BS	00150	17.50	36.39	26.46		1519.2							
	0BS	00200	17.36	36.39	26.51		1519.0							
	0BS	00250	17.30	36.40	26.53		1520.2							
	0BS	00300	17.06	36.38	26.58		1520.3							
	0BS	00330	16.97	36.37	26.55		1520.5							
	0BS	00400	16.42	36.26	26.64		1519.9							
	0BS	00500	15.04	36.02	26.76		1517.1							
	0BS	00600	13.77	35.31	26.88		1514.3							
	0BS	00700	12.14	35.57	27.02		1510.2							
	0BS	00800	09.64	35.21	27.20		1507.5							
	0BS	00875	08.37	35.13	27.34		1495.9							
	0BS	00900	08.21	35.17	27.40		1498.8							
	0BS	00920	08.07	35.18	27.42		1498.6							
	0BS	00940	06.46	35.11	27.53		1495.2							
	0BS	01000	06.84	35.11	27.55		1495.1							
	0BS	01030	06.71	35.13	27.58		1494.1							
	0BS	01055	05.98	35.06	27.62		1492.5							
	0BS	01080	06.47	35.18	27.65		1495.0							
	0BS	01100	06.16	35.13	27.66		1494.1							
	0BS	01115	06.14	35.15	27.67		1494.3							
	0BS	01133	05.90	35.11	27.67		1493.5							
	0BS	01160	05.42	35.14	27.65		1494.1							
	0BS	01200	05.60	35.10	27.70		1493.4							
	0BS	01218	05.55	35.10	27.71		1493.5							
	0BS	01235	05.21	35.05	27.71		1492.4							
	0BS	01300	04.98	35.04	27.73		1492.5							
	0BS	01400	04.67	35.02	27.75		1492.9							
	0BS	01500	04.42	35.01	27.77		1491.5							

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REFID 31 8322 YEAR 1972 BOTOP 04206 AIR TEMP 21.0 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1206  
 CONSEC 0043 MONTH 06 SHIP 1H WET BULB 19.1 99 3 X WIND-SPD 11 TRACE DIR D 5 SQUARE 4  
 LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOK DURATION 00.4 2 SQUARE 46  
 LONG 047 58 W HOUR 23.5 AREA 05 CLUDD T/A CL/TR WEATHER X2 ORIG ETZ 040 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	ORYG	PJ4	TOT P	NO2	NO3	SI03	PH
23.5	0BS	00000	21.40	36.47	25.52		1527.6							
	0BS	00010	21.29	36.46	25.54		1527.4							
	0BS	00020	20.03	36.30	25.78		1524.1							
	0BS	00030	19.02	36.43	26.13		1521.6							
	0BS	00050	18.45	36.41	26.26		1520.3							
	0BS	00075	18.03	36.42	26.37		1519.5							
	0BS	00100	17.85	36.41	26.41		1519.4							
	0BS	00125	17.73	36.41	26.44		1519.4							
	0BS	00150	17.51	36.39	26.47		1519.2							
	0BS	00185	17.38	36.40	26.51		1519.4							
	0BS	00200	17.42	36.42	26.52		1519.8							
	0BS	00250	17.17	36.39	26.56		1519.8							
	0BS	00277	16.98	36.35	26.57		1519.7							
	0BS	00290	16.94	36.37	26.58		1519.9							
	0BS	00300	16.94	36.36	26.59		1519.9							
	0BS	00340	16.64	36.32	26.62		1519.8							
	0BS	00400	16.04	36.19	26.67		1518.6							
	0BS	00440	15.44	36.08	26.72		1517.3							
	0BS	00472	15.04	36.01	26.76		1516.5							
	0BS	00500	14.83	36.00	26.80		1516.3							
	0BS	00600	13.77	35.82	26.85		1514.3							
	0BS	00700	12.58	35.61	26.97		1511.7							
	0BS	00758	11.28	35.44	27.08		1508.0							
	0BS	00800	10.48	35.35	27.16		1505.7							
	0BS	00870	08.58	35.16	27.33		1499.7							
	0BS	00880	08.65	35.19	27.34		1500.1							
	0BS	00900	08.36	35.16	27.36		1499.3							
	0BS	00920	07.93	35.15	27.41		1498.2							
	0BS	01000	07.22	35.17	27.54		1496.6							
	0BS	01100	06.14	35.11	27.64		1494.0							
	0BS	01115	05.93	35.13	27.69		1493.4							
	0BS	01142	05.82	35.10	27.68		1493.4							
	0BS	01154	05.89	35.13	27.69		1493.9							
	0BS	01169	05.71	35.10	27.69		1493.4							
	0BS	01180	05.89	35.15	27.71		1494.3							
	0BS	01200	05.78	35.15	27.72		1494.2							
	0BS	01255	05.43	35.11	27.73		1493.7							
	0BS	01268	05.50	35.13	27.74		1494.2							
	0BS	01300	05.23	35.09	27.74		1493.6							
	0BS	01340	05.06	35.04	27.76		1493.6							
	0BS	01400	04.95	35.07	27.76		1494.1							
	0BS	01500	04.60	35.04	27.77		1494.3							

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TABLE LI.—Continued

REFID 31 8322	YEAR 1972	BUTOP 03658	AIR TEMP 21.6	UTR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1206
CONSEC 0044	MONTH 06	SHIP IM	WET BULB 20.0	18 2 2	WIND-SPD 14	TWALE DIR 0	5 SQUARE 2
LAT 34 59.5N	DAY 07	DATA USE 1	BAKUPTR 1021.2	SEA	WIND-FUR	DURATION 00.5	7 SQUARE 48
LONG 048 01 W	HOUR 11.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIG ETZ 041	1 SQUARE 49

CASINUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SI-MAT	SYNDPTH	SNO VEL	OXYG	P34	TOT P	NJ2	NU3	SI13	PH
11.8	0BS	00000	21.29	36.48	25.56		1527.3							
	0BS	00010	20.79	36.44	25.67		1526.1							
	0BS	00020	19.74	36.43	25.94		1523.4							
	0BS	00030	19.19	36.42	26.07		1522.1							
	0BS	00050	18.48	36.42	26.26		1520.4							
	0BS	00075	18.07	36.43	26.37		1519.6							
	0BS	00100	17.89	36.43	26.41		1519.5							
	0BS	00125	17.76	36.42	26.44		1519.5							
	0BS	00150	17.62	36.40	26.45		1519.5							
	0BS	00160	17.54	36.40	26.47		1519.5							
	0BS	00175	17.55	36.41	26.48		1519.7							
	0BS	00200	17.38	36.38	26.50		1519.5							
	0BS	00250	17.29	36.39	26.53		1520.2							
	0BS	00300	17.11	36.38	26.56		1520.5							
	0BS	00400	16.41	36.27	26.65		1519.9							
	0BS	00500	14.99	36.00	26.76		1516.8							
	0BS	00538	14.70	35.99	26.82		1516.5							
	0BS	00600	13.79	35.82	26.88		1514.4							
	0BS	00700	12.22	35.57	27.01		1510.4							
	0BS	00800	10.03	35.29	27.15		1504.9							
	0BS	00850	08.72	35.14	27.29		1499.8							
	0BS	00900	08.23	35.17	27.39		1498.8							
	0BS	00965	07.51	35.17	27.50		1497.2							
	0BS	00978	07.06	35.13	27.53		1495.6							
	0BS	00987	07.16	35.17	27.55		1496.2							
	0BS	01000	07.07	35.18	27.57		1496.0							
	0BS	01012	06.93	35.18	27.59		1495.7							
	0BS	01030	06.40	35.09	27.59		1493.8							
	0BS	01052	06.27	35.09	27.61		1493.6							
	0BS	01070	06.70	35.19	27.63		1495.8							
	0BS	01082	06.38	35.16	27.63		1496.6							
	0BS	01100	06.24	35.13	27.64		1496.4							
	0BS	01115	06.27	35.16	27.66		1496.8							
	0BS	01140	06.05	35.14	27.68		1494.3							
	0BS	01155	06.16	35.18	27.65		1495.0							
	0BS	01200	05.79	35.14	27.71		1496.3							
	0BS	01228	05.56	35.11	27.72		1493.8							
	0BS	01243	05.61	35.13	27.73		1494.2							
	0BS	01252	05.35	35.09	27.73		1493.3							
	0BS	01300	05.02	35.04	27.73		1492.7							
	0BS	01345	05.00	35.06	27.74		1493.4							
	0BS	01400	04.75	35.03	27.75		1493.2							
	0BS	01438	04.61	35.02	27.76		1493.3							
	0BS	01460	04.67	35.04	27.77		1493.9							
	0BS	01489	04.76	35.06	27.77		1494.8							
	0BS	01500	04.68	35.04	27.77		1494.6							

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TABLE LI.—Continued

REF ID: 31 8322 YEAR: 1972 BU: TOP 05242 AIR TEMP: 21.4 DIR HGT PER: WIND-DIR: 21 INST: STD RECORDER: TEN SQ: 1206  
 CONSEC: 0045 MONTH: 06 SHIP: 1M WET HULB: 20.2 DIR: 3 2 WIND-SPD: 13 TRACE DIR: 0 SQUARE: 4  
 LAT: 35 05 N DAY: 07 DATA USE: 1 BAROMETER: 1022.3 SEA CL/TK: WEATHER: 4140-FJR DURATION: 00.4 2 SQUARE: 46  
 LONG: 047 57 W HOUR: 23.0 AREA: 05 CLOUD: 1/4 CL/TK: WEATHER: 45 ORIG: E72 042 1 SQUARE: 57

CASINLM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	UXYG	P34	TOT P	NO2	NO3	S103	PH
24.6	08S	00000	21.34	36.48	25.54		1527.4							
	08S	00010	21.32	36.48	25.55		1527.5							
	08S	00020	19.64	36.40	25.94		1523.1							
	08S	00030	19.07	36.43	26.11		1521.7							
	08S	00050	18.72	36.42	26.20		1521.1							
	08S	00075	18.26	36.42	26.31		1520.2							
	08S	00100	18.03	36.42	26.37		1519.9							
	08S	00125	17.70	36.42	26.40		1520.0							
	08S	00150	17.75	36.40	26.43		1519.8							
	08S	00200	17.42	36.39	26.50		1519.7							
	08S	00230	17.36	36.39	26.51		1520.1							
	08S	00240	17.41	36.42	26.52		1520.4							
	08S	00250	17.36	36.40	26.52		1520.4							
	08S	00259	17.18	36.37	26.54		1520.3							
	08S	00300	17.05	36.37	26.57		1520.3							
	08S	00355	16.90	36.35	26.54		1520.7							
	08S	00400	16.78	36.27	26.64		1519.4							
	08S	00500	15.03	36.00	26.75		1516.3							
	08S	00540	14.66	35.98	26.82		1516.4							
	08S	00600	13.65	35.80	26.90		1513.9							
	08S	00651	13.05	35.70	26.94		1512.6							
	08S	00700	12.13	35.56	27.02		1510.1							
	08S	00800	09.85	35.26	27.20		1503.3							
	08S	00900	08.24	35.16	27.38		1498.3							
	08S	00966	07.07	35.15	27.55		1495.4							
	08S	01000	07.13	35.18	27.56		1496.3							
	08S	01008	07.26	35.21	27.57		1497.0							
	08S	01058	06.33	35.10	27.61		1494.0							
	08S	01080	06.19	35.10	27.63		1493.8							
	08S	01100	05.80	35.05	27.64		1492.5							
	08S	01122	06.00	35.14	27.68		1493.8							
	08S	01150	05.92	35.14	27.65		1493.9							
	08S	01162	06.00	35.16	27.70		1494.5							
	08S	01200	05.66	35.12	27.71		1493.7							
	08S	01710	05.57	35.10	27.71		1493.5							
	08S	01231	05.65	35.14	27.73		1494.2							
	08S	01300	05.08	35.06	27.73		1492.9							
	08S	01400	05.00	35.09	27.77		1494.3							
	08S	01440	04.80	35.05	27.76		1494.1							
	08S	01450	04.78	35.06	27.77		1494.2							
	08S	01455	04.85	35.08	27.78		1494.6							
	08S	01470	04.83	35.08	27.78		1494.8							
	08S	01480	04.58	35.04	27.78		1493.9							
	08S	01500	04.67	35.06	27.78		1494.6							

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REF ID: 31 8322 YEAR: 1972 BU: TOP 04297 AIR TEMP: 22.4 DIR HGT PER: WIND-DIR: 18 INST: STD RECORDER: TEN SQ: 1206  
 CONSEC: 0046 MONTH: 06 SHIP: 1M WET HULB: 21.2 DIR: 3 3 WIND-SPD: 12 TRACE DIR: 0 SQUARE: 4  
 LAT: 35 01 N DAY: 08 DATA USE: 1 BAROMETER: 1023.5 SEA CL/TK: WEATHER: 4140-FJR DURATION: 00.9 2 SQUARE: 48  
 LONG: 048 00 W HOUR: 11.6 AREA: 05 CLOUD: 1/4 CL/TK: WEATHER: 41 ORIG: E72 043 1 SQUARE: 58

CASINLM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPTH	SND VEL	UXYG	P34	TOT P	NO2	NO3	S103	PH
11.6	08S	00000	21.34	36.48	25.54		1527.4							
	08S	00010	21.00	36.45	25.62		1526.7							
	08S	00020	20.24	36.40	25.78		1524.8							
	08S	00030	19.69	36.40	25.93		1523.4							
	08S	00050	17.94	36.38	26.36		1518.8							
	08S	00075	17.58	36.39	26.46		1518.2							
	08S	00100	17.47	36.39	26.48		1518.3							
	08S	00125	17.41	36.38	26.49		1518.5							
	08S	00150	17.43	36.41	26.51		1519.0							
	08S	00200	17.25	36.39	26.54		1519.2							
	08S	00250	17.03	36.34	26.55		1519.4							
	08S	00300	16.64	36.30	26.61		1519.0							
	08S	00400	15.76	36.13	26.69		1517.7							
	08S	00500	14.46	35.91	26.81		1515.0							
	08S	00600	13.43	35.78	26.93		1513.1							
	08S	00700	11.95	35.53	27.03		1509.5							
	08S	00800	09.65	35.23	27.21		1502.6							
	08S	00900	08.15	35.17	27.40		1498.5							
	08S	00950	07.33	35.15	27.51		1496.2							
	08S	01000	06.99	35.16	27.58		1495.7							
	08S	01077	06.08	35.13	27.67		1493.4							
	08S	01080	06.16	35.16	27.68		1493.8							
	08S	01090	06.03	35.13	27.67		1493.4							
	08S	01100	06.06	35.15	27.68		1493.7							
	08S	01200	05.75	35.17	27.74		1494.1							
	08S	01280	05.35	35.13	27.76		1493.8							
	08S	01300	05.14	35.09	27.75		1493.2							
	08S	01340	04.90	35.07	27.76		1492.9							
	08S	01400	04.75	35.06	27.77		1493.3							
	08S	01500	04.42	35.03	27.75		1493.5							
	08S	01750	03.99	35.00	27.81		1495.9							
	08S	01799	04.03	35.01	27.81		1496.4							
	08S	01900	03.95	35.01	27.82		1498.3							
	08S	01925	04.01	35.02	27.82		1499.0							
	08S	02000	03.91	35.02	27.83		1499.9							
	08S	02500	03.38	34.98	27.85		1506.1							
	08S	03000	03.01	34.95	27.87		1513.1							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 03977 AIR TEMP 21.8 OIR HGT PER WIND-OIR 14 INST STD RECORDER TEN SQ 1206  
 CONSEC 0047 MONTH 06 SHIP 1H WET HULB 20.3 19 3 2 WIND-SPD 12 TRACE OIR 0 WIND-FJR 00.5 5 SQUARE 2  
 LAT 34 58 N DAY 09 DATA USE 1 BAROMETR 1023.8 SEA WIND-FJR 00.5 2 SQUARE 48  
 LONG 048 05 W HOUR 00.0 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E72 044 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
00.0	OBS	00000	21.51	36.48	25.50		1527.7							
	OBS	00010	21.26	36.48	25.57		1527.4							
	OBS	00020	20.49	36.43	25.74		1525.5							
	OBS	00030	19.43	36.39	25.99		1522.7							
	OBS	00050	18.59	36.41	26.22		1520.7							
	OBS	00075	18.04	36.43	26.37		1519.6							
	OBS	00100	17.87	36.42	26.41		1519.5							
	OBS	00125	17.76	36.44	26.45		1519.6							
	OBS	00150	17.58	36.41	26.47		1519.4							
	OBS	00200	17.34	36.38	26.51		1519.5							
	OBS	00250	17.26	36.39	26.54		1520.1							
	OBS	00300	17.01	36.37	26.58		1520.2							
	OBS	00370	16.50	36.28	26.63		1519.7							
	OBS	00400	16.04	36.20	26.68		1518.7							
	OBS	00460	15.09	36.01	26.75		1516.5							
	OBS	00500	14.77	35.99	26.80		1516.1							
	OBS	00600	13.68	35.82	26.91		1514.0							
	OBS	00700	12.07	35.57	27.04		1509.9							
	OBS	00800	09.77	35.26	27.21		1503.0							
	OBS	00880	08.13	35.14	27.38		1498.1							
	OBS	00900	08.01	35.16	27.42		1498.0							
	OBS	00975	07.42	35.20	27.54		1497.0							
	OBS	01000	07.05	35.20	27.59		1496.0							
	OBS	01020	06.81	35.16	27.59		1495.3							
	OBS	01040	06.78	35.21	27.64		1495.6							
	OBS	01080	06.22	35.12	27.64		1493.9							
	OBS	01100	06.47	35.22	27.69		1495.4							
	OBS	01130	06.06	35.15	27.68		1494.2							
	OBS	01142	06.14	35.19	27.71		1494.8							
	OBS	01200	05.57	35.11	27.71		1493.3							
	OBS	01215	05.72	35.16	27.74		1494.3							
	OBS	01228	05.46	35.11	27.73		1493.4							
	OBS	01300	05.08	35.09	27.76		1493.0							
	OBS	01365	04.99	35.09	27.77		1493.7							
	OBS	01372	04.86	35.06	27.76		1493.3							
	OBS	01380	04.97	35.10	27.78		1493.9							
	OBS	01400	04.91	35.08	27.77		1494.0							
	OBS	01450	04.72	35.05	27.77		1494.0							
	OBS	01470	04.44	35.01	27.77		1493.1							
	OBS	01500	04.38	35.02	27.78		1493.4							

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REFID 31 8322 YEAR 1972 BOTOP 04297 AIR TEMP 21.4 OIR HGT PER WIND-OIR 20 INST STD RECORDER TEN SQ 1206  
 CONSEC 0048 MONTH 06 SHIP 1H WET HULB 20.7 20 4 3 WIND-SPD 20 TRACE OIR 0 WIND-FJR 00.4 5 SQUARE 4  
 LAT 35 00 N DAY 09 DATA USE 1 BAROMETR 1025.6 SEA WIND-FJR 00.4 2 SQUARE 48  
 LONG 048 01 W HOUR 11.8 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E72 045 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	21.55	36.55	25.54		1528.1							
	OBS	00010	21.41	36.51	25.55		1527.8							
	OBS	00020	20.53	36.44	25.74		1525.6							
	OBS	00030	19.48	36.40	25.98		1522.8							
	OBS	00050	18.58	36.41	26.22		1520.7							
	OBS	00075	17.80	36.40	26.41		1518.8							
	OBS	00100	17.60	36.40	26.46		1518.6							
	OBS	00125	17.48	36.40	26.49		1518.7							
	OBS	00150	17.35	36.38	26.51		1518.7							
	OBS	00200	17.23	36.37	26.53		1519.2							
	OBS	00250	17.13	36.36	26.54		1519.7							
	OBS	00300	16.83	36.33	26.59		1519.6							
	OBS	00400	16.14	36.20	26.65		1519.0							
	OBS	00500	14.83	35.95	26.76		1516.2							
	OBS	00600	13.67	35.81	26.90		1513.9							
	OBS	00673	12.84	35.68	26.97		1512.2							
	OBS	00700	12.28	35.59	27.01		1510.7							
	OBS	00780	10.56	35.34	27.14		1505.7							
	OBS	00800	09.88	35.27	27.20		1503.4							
	OBS	00868	08.57	35.15	27.32		1499.6							
	OBS	00873	08.68	35.21	27.35		1500.1							
	OBS	00900	08.43	35.19	27.38		1499.6							
	OBS	00910	08.25	35.15	27.37		1499.1							
	OBS	00935	07.86	35.19	27.46		1498.0							
	OBS	00980	07.45	35.15	27.49		1497.2							
	OBS	00990	07.39	35.19	27.53		1497.1							
	OBS	01000	07.21	35.16	27.54		1496.6							
	OBS	01009	06.93	35.12	27.54		1495.6							
	OBS	01042	06.67	35.15	27.60		1495.1							
	OBS	01047	06.77	35.18	27.61		1495.7							
	OBS	01100	06.28	35.15	27.66		1494.6							
	OBS	01142	05.88	35.11	27.68		1493.6							
	OBS	01200	05.73	35.14	27.72		1494.0							
	OBS	01210	05.68	35.13	27.72		1494.0							
	OBS	01220	05.75	35.16	27.73		1494.5							
	OBS	01230	05.66	35.14	27.73		1494.2							
	OBS	01241	05.70	35.16	27.74		1494.6							
	OBS	01300	05.42	35.14	27.76		1494.4							
	OBS	01400	04.87	35.07	27.77		1493.8							
	OBS	01440	04.85	35.08	27.78		1494.4							
	OBS	01476	04.64	35.05	27.78		1494.1							
	OBS	01500	04.65	35.07	27.79		1494.6							

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TABLE LI.—Continued

REFID 31 8322 YEAR 1972 BOTOP 03704 AIR TEMP 21.3 OIR HGT PER WIND-OIR 18 INST STD RECORDER TEN SQ 1206  
 CONSEC 0049 MONTH 06 SHIP LH MET BULB 19.8 20 3 2 WIND-SPO 15 TRACE OIR 0 5 SQUARE 2  
 LAT 34 56 N DAY 09 DATA USE 1 BAROMETR 1026.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48  
 LONG 049 08 W HOUR 23.6 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG E72 046 1 SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
23.6	085	00000	21.67	36.43	25.42		1528.2							
	085	00010	21.65	36.43	25.42		1528.3							
	085	00020	20.99	36.44	25.61		1526.8							
	085	00030	20.35	36.39	25.75		1525.2							
	085	00050	18.00	36.36	26.33		1518.9							
	085	00075	17.59	36.39	26.45		1518.2							
	085	00100	17.54	36.39	26.47		1518.5							
	085	00125	17.53	36.40	26.48		1518.9							
	085	00150	17.50	36.40	26.48		1519.2							
	085	00200	17.39	36.39	26.50		1519.7							
	085	00250	17.25	36.38	26.53		1520.1							
	085	00300	17.00	36.35	26.57		1520.1							
	085	00400	16.11	36.20	26.66		1518.9							
	085	00500	14.86	35.99	26.78		1516.4							
	085	00530	14.64	35.97	26.82		1516.1							
	085	00600	13.04	35.70	26.94		1511.7							
	085	00700	10.46	35.33	27.15		1504.0							
	085	00800	08.43	35.13	27.33		1497.9							
	085	00865	07.49	35.10	27.45		1495.3							
	085	00870	07.54	35.14	27.47		1495.7							
	085	00900	07.43	35.15	27.50		1495.7							
	085	00930	07.29	35.15	27.52		1495.7							
	085	00948	06.98	35.18	27.58		1494.8							
	085	00988	06.81	35.19	27.62		1494.8							
	085	01000	06.58	35.16	27.62		1494.1							
	085	01018	06.25	35.13	27.64		1493.1							
	085	01038	06.24	35.14	27.65		1493.4							
	085	01050	05.85	35.08	27.66		1491.9							
	085	01070	05.83	35.09	27.67		1492.2							
	085	01083	05.61	35.07	27.68		1491.5							
	085	01100	05.62	35.09	27.69		1491.8							
	085	01126	05.31	35.05	27.70		1491.0							
	085	01158	05.29	35.07	27.72		1491.4							
	085	01171	04.96	35.01	27.71		1490.2							
	085	01200	04.76	34.99	27.72		1489.9							
	085	01300	04.56	35.00	27.75		1490.7							
	085	01400	04.43	35.00	27.76		1491.9							
	085	01500	04.32	35.00	27.77		1493.1							

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REFID 31 8322 YEAR 1972 BOTOP 02195 AIR TEMP 22.4 OIR HGT PER WIND-OIR 18 INST STD RECORDER TEN SQ 1207  
 CONSEC 0050 MONTH 06 SHIP LH MET BULB 21.5 99 4 X WIND-SPO 12 TRACE OIR 0 5 SQUARE 1  
 LAT 34 43 N DAY 10 DATA USE 1 BAROMETR 1028.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 40  
 LONG 050 07 W HOUR 11.6 AREA 05 CLOUD T/A CL/TR WEATHER XI ORIG EEN 01E 1 SQUARE 40

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPHT	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.6	085	00000	21.97	36.45	25.35		1529.0							
	085	00010	20.30	36.38	25.75		1524.7							
	085	00020	19.11	36.33	26.03		1521.6							
00.5	085	00030	18.30	36.36	26.26		1519.5							
00.5	085	00050	17.67	36.37	26.42		1518.0							
00.5	085	00075	17.38	36.36	26.48		1517.5							
00.5	085	00100	17.34	36.37	26.50		1517.8							
00.5	085	00110	17.29	36.37	26.51		1517.9							
00.5	085	00125	17.36	36.39	26.51		1518.3							
00.5	085	00150	17.25	36.37	26.52		1518.4							
00.5	085	00200	17.16	36.38	26.55		1519.0							
00.5	085	00222	17.17	36.39	26.56		1519.4							
00.5	085	00250	16.94	36.35	26.58		1519.1							
00.5	085	00300	16.47	36.27	26.63		1518.4							
00.5	085	00320	16.39	36.27	26.65		1518.5							
00.5	085	00360	15.96	36.16	26.67		1517.7							
00.5	085	00400	15.25	36.03	26.73		1516.0							
00.5	085	00500	13.67	35.30	26.89		1512.3							
00.5	085	00600	11.49	35.48	27.08		1506.2							
00.5	085	00700	09.43	35.25	27.26		1500.1							
00.5	085	00762	08.03	35.13	27.39		1495.7							
00.5	085	00800	07.65	35.12	27.44		1494.9							
00.5	085	00864	06.40	35.08	27.58		1491.0							
00.5	085	00900	06.20	35.09	27.62		1490.8							
00.5	085	00913	06.03	35.08	27.63		1490.4							
00.5	085	00945	06.01	35.09	27.64		1490.8							
00.5	085	00970	05.90	35.09	27.66		1490.8							
00.5	085	00980	05.93	35.10	27.66		1491.1							
00.5	085	01000	05.80	35.10	27.68		1490.9							
00.5	085	01040	05.52	35.07	27.69		1490.4							
00.5	085	01100	05.27	35.07	27.72		1490.4							
00.5	085	01200	05.00	35.06	27.74		1490.9							
00.5	085	01258	04.86	35.05	27.75		1491.3							
00.5	085	01276	04.64	35.01	27.75		1490.7							
00.5	085	01300	04.63	35.02	27.75		1491.3							
00.5	085	01400	04.46	35.01	27.77		1492.0							
00.5	085	01472	04.36	35.01	27.78		1492.8							
00.5	085	01500	04.36	35.02	27.78		1493.3							

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TABLE LII.—Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 10 June 1972 - 4 July 1972, prepared from NODC listing No. 31 - 2075.

REFID	31	2075	YEAR	1972	BOTOP	03532	AIR TEMP	22.4	DIR HGT	PER	WIND-DIR	13	INST NANSEN	CAST	TEN SQ	1206		
CONSEC		0001	MONTH	06	SHIP BX		WET BULB	19.7	99	X	X	WIND-SPD	03	TRACE DIR		5	SQUARE	4
LAT	35	04	N	DAY	17	DATA USE	1	BAROMETR	1029.8	SEA		WIND-FDR		DURATION		2	SQUARE	48
LONG	048	04	W	HR	00.6	AREA	05	CLOUD T/A	8/2	CL/TR		WEATHER	X0	DRIG E73	001	1	SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
00.6	OBS	00000	22.87	36.505	25.13		1531.4							
00.6	OBS	00025	19.64	36.427	25.96		1523.2							
00.6	OBS	00050	18.16	36.424	26.34		1519.5							
00.6	OBS	00076	17.80	36.416	26.42		1518.9							
00.6	OBS	00101	17.61	36.394	26.45		1518.7							
00.6	OBS	00151	17.39	36.388	26.50		1518.9							
00.6	OBS	T00207	17.26	36.375	26.52		1519.4							
00.6	OBS	00308	16.73	36.293	26.59		1519.4							
00.6	OBS	T00408	15.56	36.091	26.70		1517.2							
00.6	OBS	00514	14.59	35.977	26.83		1515.7							
00.6	OBS	T00615	13.56	35.803	26.92		1513.8							
00.6	OBS	T00816	09.99	35.388	27.28		1504.3							
00.6	OBS	01023	06.85	35.151	27.58		1495.5							
00.6	OBS	T01538	04.55											

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REFID	31	2075	YEAR	1972	BOTOP	02478	AIR TEMP	22.6	DIR HGT	PER	WIND-DIR	15	INST NANSEN	CAST	TEN SQ	1206		
CONSEC		0002	MONTH	06	SHIP BX		WET BULB	20.5	08	1	3	WIND-SPD	06	TRACE DIR		5	SQUARE	4
LAT	35	10	N	DAY	17	DATA USE	1	BAROMETR	1031.1	SEA		WIND-FDR		DURATION		2	SQUARE	48
LONG	048	12	W	HR	11.8	AREA	05	CLOUD T/A	8/2	CL/TR		WEATHER	X1	DRIG E73	002	1	SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
11.8	OBS	00000	22.59	36.503	25.21		1530.7							
11.8	OBS	00025	19.48	36.426	26.00		1522.8							
11.8	OBS	00050	18.40	36.400	26.26		1520.1							
11.8	OBS	00075	17.63	36.399	26.45		1518.3							
11.8	OBS	00101	17.57	36.398	26.47		1518.6							
11.8	OBS	00151	17.46	36.399	26.49		1519.1							
11.8	OBS	00207	17.42	36.389	26.50		1519.9							
11.8	OBS	00307	17.11	36.350	26.54		1520.5							
11.8	OBS	T00407	16.20	36.193	26.64		1519.3							
11.8	OBS	00512	15.10	36.025	26.76		1517.4							
11.8	OBS	T00612	14.09	35.888	26.87		1515.6							
11.8	OBS	T00813	09.70	35.317	27.27		1503.1							
11.8	OBS	T01018	06.82	35.132	27.57		1495.3							

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REFID	31	2075	YEAR	1972	BOTOP	02257	AIR TEMP	22.4	DIR HGT	PER	WIND-DIR	14	INST NANSEN	CAST	TEN SQ	1206		
CONSEC		0003	MONTH	06	SHIP BX		WET BULB	19.3	10	1	2	WIND-SPD	08	TRACE DIR		5	SQUARE	4
LAT	35	13	N	DAY	18	DATA USE	1	BAROMETR	1032.5	SEA		WIND-FDR		DURATION		2	SQUARE	46
LONG	047	49	W	HR	12.2	AREA	05	CLOUD T/A	8/2	CL/TR		WEATHER	X1	DRIG E73	003	1	SQUARE	57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	22.75	36.483	25.15		1531.0							
12.2	OBS	00025	20.44	36.403	25.73		1525.4							
12.2	OBS	00050	18.05	36.419	26.36		1519.2							
12.2	OBS	00075	17.75	36.395	26.42		1518.7							
12.2	OBS	00100	17.63	36.401	26.45		1518.7							
12.2	OBS	00150	17.47	36.388	26.48		1519.1							
12.2	OBS	00205	17.34	36.366	26.50		1519.6							
12.2	OBS	00304	17.02	36.351	26.56		1520.2							
12.2	OBS	T00404	16.14	36.191	26.65		1519.0							
12.2	OBS	00509	14.82	35.991	26.75		1516.4							
12.2	OBS	T00609	13.66	35.807	26.90		1514.1							
12.2	OBS	T00808	10.08	35.476	27.33		1504.6							
12.2	OBS	T01013	06.57	35.125	27.60		1494.2							

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TABLE LII.—Continued

REFID 31 2075 YEAR 1972 BOTOP 03054 AIR TEMP 23.9 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 06 SHIP BX WET BULB 19.8 10 2 3 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 35 16.2N DAY 19 DATA USE 1 BAROMETR 1032.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57.3W HOUR 13.2 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E73 004 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
13.2	085	00000	23.30	36.589	25.07		1532.5							
13.2	085	00025	21.87	36.516	25.42		1529.3							
13.2	085	00050	18.91	36.433	26.16		1521.6							
13.2	085	00075	18.30											
13.2	085	00100	17.84	36.411	26.41		1519.4							
13.2	085	00149	17.51	36.394	26.48		1519.2							
13.2	085	00204	17.36	36.390	26.51		1519.0							
13.2	085	00303	16.89	36.322	26.57		1519.8							
13.2	085	T00403	16.17	36.209	26.65		1519.1							
13.2	085	00506	15.06	36.028	26.77		1517.1							
13.2	085	T00610	13.66	35.819	26.91		1514.1							
13.2	085	T00805	09.84	35.404	27.31		1503.6							
13.2	085	T01004	07.09	35.181	27.57		1496.2							
13.2	085	T01495	04.69											

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REFID 31 2075 YEAR 1972 BOTOP 04801 AIR TEMP 22.8 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 06 SHIP BX WET BULB 20.4 13 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 23 DATA USE 1 BAROMETR 1027.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 18.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E73 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
18.5	085	00000	22.68	36.524	25.20		1530.9							
18.5	085	00025	22.05	36.494	25.36		1529.7							
18.5	085	00047	18.64	36.403	26.20		1520.8							
18.5	085	00072	17.73	36.397	26.43		1518.6							
18.5	085	00094	17.55	36.392	26.47		1518.4							
18.5	085	00141	17.41	36.387	26.50		1518.7							
18.5	085	00188	17.23	36.367	26.52		1519.0							
18.5	085	00284	16.71	36.298	26.60		1518.9							
18.5	085	T00383	15.81	36.146	26.65		1517.6							
18.5	085	T00485	14.85	36.053	26.83		1516.2							
18.5	085	T00586	13.80	35.883	26.93		1514.2							
18.5	085	T00790	09.75											
18.5	085	00998	06.99											
18.5	085	T01554	04.25											

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REFID 31 2075 YEAR 1972 BOTOP 04749 AIR TEMP 22.7 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 06 SHIP BX WET BULB 20.4 16 4 4 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 24 DATA USE 1 BAROMETR 1025.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 17.7 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E73 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
17.7	085	00000	22.63	36.564	25.25		1530.8							
17.7	085	00025	22.40	36.552	25.30		1530.7							
17.7	085	00047	19.57	36.467	26.01		1523.4							
17.7	085	00070	18.39	36.461	26.31		1520.5							
17.7	085	00092	18.10	36.450	26.37		1520.0							
17.7	085	00138	17.51	36.397	26.48		1519.0							
17.7	085	00184	17.35	36.376	26.50		1519.3							
17.7	085	00275	17.09	36.373	26.56		1520.0							
17.7	085	T00366	16.54	36.291	26.63		1519.7							
17.7	085	00460	15.44	36.102	26.74		1517.7							
17.7	085	T00551	14.37	35.938	26.85		1515.6							
17.7	085	T00735	11.53											
17.7	085	T00918	07.74	35.161	27.46		1497.3							

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REFID 31 2075 YEAR 1972 BOTOP 04224 AIR TEMP 22.4 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 06 SHIP BX WET BULB 20.0 11 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 25 DATA USE 1 BAROMETR 1024.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 13 W HOUR 12.6 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E73 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.6	085	00000	22.59	36.535	25.23		1530.7							
12.6	085	00030	21.31	36.507	25.57		1527.9							
12.6	085	00055	19.23	36.514	26.14		1522.7							
12.6	085	00084	18.38	36.463	26.31		1520.7							
12.6	085	00109	17.87	36.406	26.40		1519.6							
12.6	085	00164	17.64	36.431	26.47		1519.9							
12.6	085	00219	17.43	36.410	26.51		1520.1							
12.6	085	00330	17.06	36.375	26.57		1520.8							
12.6	085	T00443	15.66	36.130	26.71		1518.1							
12.6	085	00561	14.51	35.964	26.84		1516.2							
12.6	085	T00677	12.54	35.662	27.02		1511.3							
12.6	085	T00912	08.08	35.349	27.56		1498.7							
12.6	085	T01150	05.63	35.077	27.68		1492.7							

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TABLE LII.—Continued

REFID 31 2075 YEAR 1972 BOTDP 04206 AIR TEMP 23.2 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 06 SHIP BX WET BULB 20.1 13 3 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1028.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.7 AREA 05 CLOUD T/A 8/2 CL/TR /30 WEATHER X1 ORIG E73 008 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
13.7	08S	00000	22.78	36.593	25.22		1531.2							
13.7	08S	00029	21.86	36.582	25.48		1529.4							
13.7	08S	00054	19.41	36.507	26.08		1523.2							
13.7	08S	00083	18.39	36.464	26.31		1520.7							
13.7	08S	00107	18.06	36.440	26.38		1520.1							
13.7	08S	00161	17.54	36.389	26.47		1519.5							
13.7	08S	00216	17.35	36.389	26.51		1519.8							
13.7	08S	00327	16.96	36.365	26.59		1520.4							
13.7	08S	T00441	16.03	36.192	26.67		1519.3							
13.7	08S	00563	13.93	35.850	26.88		1514.2							
13.7	08S	T00683	12.00	35.587	27.06		1509.4							
13.7	08S	T00926	07.73	35.261	27.54		1497.5							
13.7	08S	T01169	05.64	35.126	27.72		1493.1							
13.7	08S	T01716	04.03											

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REFID 31 2075 YEAR 1972 BOTDP 04174 AIR TEMP 22.9 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP BX WET BULB 20.9 13 4 3 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 14 N DAY 27 DATA USE 1 BAROMETR 1028.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 13 W HOUR 21.2 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E73 009 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
21.2	08S	00000	22.79	36.536	25.18		1531.2							
21.2	08S	00030	21.40	36.555	25.59		1528.2							
21.2	08S	00055	19.30	36.511	26.12		1522.9							
21.2	08S	00085	18.53	36.463	26.28		1521.2							
21.2	08S	00110	18.00	36.431	26.38		1520.0							
21.2	08S	00164	17.58	36.401	26.47		1519.6							
21.2	08S	T00219	17.36	36.381	26.50		1519.9							
21.2	08S	00328	16.83	36.328	26.59		1520.0							
21.2	08S	T00438	15.85	36.151	26.68		1518.6							
21.2	08S	00553	14.04	35.842	26.85		1514.4							
21.2	08S	T00665	11.94	35.522	27.02		1508.8							
21.2	08S	T00891	07.91	35.405	27.63		1497.8							
21.2	08S	T01122	05.81	35.098	27.68		1493.0							

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REFID 31 2075 YEAR 1972 BOTDP 02560 AIR TEMP 22.0 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 06 SHIP BX WET BULB 20.4 14 4 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 28 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 17.9 AREA 05 CLOUD T/A 8/2 CL/TR /30 WEATHER X8 ORIG E73 010 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
17.9	08S	00000	23.01	36.566	25.14		1531.8							
17.9	08S	00028	21.90	36.577	25.46		1529.4							
17.9	08S	00048	19.32	36.357	25.95		1522.6							
17.9	08S	00074	18.09	36.350	26.30		1519.6							
17.9	08S	00096	17.74	36.326	26.37		1516.9							
17.9	08S	00144	17.52	36.311	26.41		1519.0							
17.9	08S	T00192	17.44	36.355	26.46		1519.6							
17.9	08S	00290	17.09											
17.9	08S	T00390	16.26	36.157	26.59		1519.1							
17.9	08S	00491	14.83	35.947	26.76		1516.1							
17.9	08S	T00593	13.18	35.687	26.91		1512.1							
17.9	08S	T00807	09.17	35.333	27.37		1501.0							
17.9	08S	T01020	06.56	35.082	27.56		1494.2							

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REFID 31 2075 YEAR 1972 BOTDP 04871 AIR TEMP 22.3 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 06 SHIP BX WET BULB 20.1 13 3 3 WIND-SPD 14 TRACE DIR 5 SQUARE 2  
 LAT 34 46.5N DAY 29 DATA USE 1 BAROMETR 1028.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 52.5W HOUR 12.0 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X2 ORIG E73 011 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PD4	TCT P	NO2	NO3	SI03	PH
12.0	08S	00000	22.82	36.512	25.15		1531.3							
12.0	08S	00026	22.67	36.507	25.19		1531.3							
12.0	08S	00049	19.02	36.323	26.04		1521.8							
12.0	08S	00076	17.99	36.394	26.36		1519.4							
12.0	08S	00098	17.71	36.344	26.35		1518.9							
12.0	08S	00147	17.50	36.328	26.43		1519.0							
12.0	08S	T00196	17.37	36.323	26.46		1519.5							
12.0	08S	00294	16.83	36.279	26.55		1519.4							
12.0	08S	00392	15.94	36.160	26.67		1518.2							
12.0	08S	00491	14.39	35.890	26.81		1514.6							
12.0	08S	T00592	13.13	35.732	26.95		1511.9							
12.0	08S	T00798	08.77	35.319	27.42		1499.4							
12.0	08S	T01005	06.33	35.153	27.65		1493.2							
14.6	08S	T02086	03.72	34.996	27.83		1500.5							
14.6	08S	T02633	03.24	34.961	27.85		1507.8							
14.6	08S	03179	02.78	34.912	27.86		1515.2							
14.6	08S	T03727	02.36	34.915	27.90		1523.0							
14.6	08S	T04282	02.26											
14.6	08S	T04635	02.28	34.881	27.88		1538.7							

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TABLE LIII.—Observed and interpolated oceanographic data for stations taken by USCGC CHAUTAUQUA at Ocean Station ECHO, 4 July 1972 - 30 July 1972, prepared from NODC listing No. 31 - 2113.

REFID 31 2113 YEAR 1972 BOTOP 04360 AIR TEMP 26.0 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 07 SHIP CO WET BULB 22.0 14 2 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 10 DATA USE 1 BAROMETR 1034.7 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 45 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR /08 WEATHER X1 ORIG E74 001 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P04	TOT P	NO2	NO3	S103	PH
12.8	085	00000	24.70	36.217	24.37		1535.5							
12.8	085	00025	22.28											
12.8	085	00050	19.46											
12.8	085	00075	18.44											
12.8	085	00100	18.06											
12.8	085	00150	17.81	36.429	26.43		1520.1							
12.8	085	T00205	17.62	36.408	26.46		1520.4							
12.8	085	00305	17.30	36.410	26.34		1521.1							
12.8	085	T00405	16.48	36.246	26.61		1520.1							
12.8	085	00510	14.88	35.962	26.76		1516.6							
12.8	085	00610	13.63	35.765	26.87		1513.9							
12.8	085	T00810	08.51	35.135	27.32		1498.4							
12.8	085	T01016	06.68											
12.8	085	T01526	04.25	35.029	27.80		1493.3							

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REFID 31 2113 YEAR 1972 BOTOP 05076 AIR TEMP 25.1 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 07 SHIP CO WET BULB 21.5 21 1 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 11 DATA USE 1 BAROMETR 1036.9 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 58.5 W HOUR 12.4 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E74 002 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P14	TOT P	NO2	NO3	S103	PH
12.4	085	00000	24.87	36.384	24.45		1536.1							
12.4	085	00024	21.63	36.403	25.39		1528.6							
12.4	085	00047	19.18	36.431	26.09		1522.3							
12.4	085	00071	18.43	36.424	26.28		1520.6							
12.4	085	00095	18.03	36.421	26.37		1519.8							
12.4	085	00142	17.73	36.404	26.43		1519.7							
12.4	085	T00194	17.58	36.407	26.47		1520.1							
12.4	085	00284	17.14	36.371	26.55		1520.4							
12.4	085	T00384	16.52	36.255	26.61		1519.9							
12.4	085	00483	14.99	35.954	26.73		1516.5							
12.4	085	00579	13.82	35.789	26.85		1514.1							
12.4	085	T00771	09.27	35.208	27.26		1500.6							
12.4	085	T00969	07.33											
12.4	085	T01464	04.33											

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REFID 31 2113 YEAR 1972 BOTOP 04748 AIR TEMP 25.5 DIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 07 SHIP CO WET BULB 21.6 15 2 2 WIND-SPD 02 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 12 DATA USE 1 BAROMETR 1031.8 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.2 AREA 05 CLOUD T/A 8/4 CL/TR /17 WEATHER X1 ORIG E74 003 1 SQUARE 47

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	P34	TOT P	NO2	NO3	S103	PH
12.2	085	00000	25.36	36.281	24.22		1537.1							
12.2	085	00024	20.96	36.344	25.55		1526.7							
12.2	085	00048	18.91	36.434	26.16		1521.6							
12.2	085	00072	18.21	36.407	26.31		1520.0							
12.2	085	00142	17.65	36.413	26.46		1519.5							
12.2	085	T00198	17.43	36.373	26.48		1519.7							
12.2	085	00295	16.85	36.313	26.57		1519.5							
12.2	085	T00391	15.84	36.128	26.67		1517.8							
12.2	085	00493	14.61	35.933	26.79		1515.4							
12.2	085	00589		35.750										
12.2	085	T00782	09.26	35.189	27.24		1500.8							
12.2	085	T00980	06.21	35.079	27.61		1492.2							

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BUTOP 04637 AIR TEMP 24.6 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 07 SHIP CO WET BULB 21.3 15 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 35 N DAY 13 DATA USE 1 BAROMETR 1029.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 15.8 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E74 004 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
15.8	085	00000	25.63	36.243	24.11		1537.7							
15.8	085	00026	21.63	36.322	25.34		1528.4							
15.8	085	00049	19.34	36.381	26.01		1522.7							
15.8	085	00075	18.03	36.424	26.37		1519.5							
15.8	085	00097	17.67	36.426	26.41		1517.4							
15.8	085	00146	17.59	36.398	26.46		1519.4							
15.8	085	T00196	17.48	36.367	26.48		1519.9							
15.8	085	00294	17.02	36.347	26.56		1520.1							
15.8	085	T00394	15.42	36.141	26.66		1518.1							
15.8	085	00493	14.12											
15.8	085	00594	13.55	35.815	26.93		1513.5							
15.8	085	T00803	09.12	35.248	27.31		1500.7							
16.5	085	T00894	07.08	35.089	27.50		1494.2							
16.5	085	T01388	04.35	35.104	27.85		1491.5							

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REFID 31 2113 YEAR 1972 BUTOP 04711 AIR TEMP 25.3 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 07 SHIP CO WET BULB 23.0 30 2 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 34 48 N DAY 14 DATA USE 1 BAROMETR 1027.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E74 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	25.10	36.259	24.28		1536.5							
12.3	085	00026	20.99	36.337	25.53		1526.8							
12.3	085	00048	18.96	36.383	26.11		1521.7							
12.3	085	00075	18.17	36.406	26.32		1519.9							
12.3	085	00097	17.87	36.411	26.40		1519.4							
12.3	085	00145	17.48	36.384	26.48		1519.0							
12.3	085	T00193	17.19	36.358	26.53		1518.9							
12.3	085	00289	16.68	36.280	26.59		1518.9							
12.3	085	T00385	15.85	36.133	26.67		1517.7							
12.3	085	00481	14.26	35.876	26.83		1514.0							
12.3	085	T00577	12.78	35.654	26.96		1510.4							
12.3	085	T00774	10.36	35.407	27.23		1504.9							
12.3	085	T00968	06.27	35.100	27.62		1492.3							
12.3	085	T01460	04.31											

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REFID 31 2113 YEAR 1972 BUTOP 04606 AIR TEMP 25.7 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 07 SHIP CO WET BULB 23.0 33 2 2 WIND-SPD 09 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 15 DATA USE 1 BAROMETR 1027.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E74 006 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	25.21	36.401	24.36		1536.9							
12.2	085	00025	20.93	36.283	25.51		1526.5							
12.2	085	00045	19.32	36.391	26.02		1522.6							
12.2	085	00069	18.52	36.431	26.25		1520.8							
12.2	085	00090	18.02	36.418	26.37		1519.7							
12.2	085	00133	17.82	36.441	26.44		1519.9							
12.2	085	T00178	17.56	36.396	26.47		1519.8							
12.2	085	00268	17.15	36.356	26.54		1520.0							
12.2	085	T00357	16.46	36.245	26.61		1519.3							
12.2	085	00447	15.60	36.121	26.72		1518.0							
12.2	085	00536	14.16	35.820	26.80		1514.5							
12.2	085	00717	11.44											
12.2	085	T00894	07.60											

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REFID 31 2113 YEAR 1972 BUTOP 04585 AIR TEMP 24.9 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 07 SHIP CO WET BULB 22.7 33 3 2 WIND-SPD 03 TRACE DIR 5 SQUARE 2  
 LAT 34 56.5N DAY 17 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.3 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E74 007 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	24.63	36.454	24.57		1535.6							
12.3	085	00024	21.81	36.345	25.35		1529.0							
12.3	085	00043	19.00	36.444	26.14		1521.8							
12.3	085	00066	18.25	36.428	26.32		1520.0							
12.3	085	00086	18.05	36.438	26.38		1519.3							
12.3	085	00129	17.82	36.424	26.42		1519.8							
12.3	085	T00173	17.68	36.406	26.44		1520.1							
12.3	085	00258	17.34	36.397	26.52		1520.3							
12.3	085	T00344	17.00	36.359	26.57		1520.8							

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BOTOP 04775 AIR TEMP 24.5 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 07 SHIP CO WET BULB 20.4 35 6 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 18 DATA USE 1 BAROMETR 1017.0 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.3 AREA US CLOUD T/A 2/6 CL/TR WEATHER XI ORIG E74 008 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	24.24	36.372	24.63		1534.6							
12.3	08S	00030	20.48	36.366	25.69		1525.5							
12.3	08S	00055	18.66	36.421	26.21		1521.0							
12.3	08S	00084	18.14	36.420	26.34		1520.0							
12.3	08S	00108	17.90	36.413	26.40		1519.7							
12.3	08S	00158	17.64	36.404	26.46		1519.7							
12.3	08S	00205	17.56	36.414	26.48		1520.3							
12.3	08S	00295	17.10	36.355	26.55		1520.3							
12.3	08S	T00375	16.56	36.260	26.60		1514.9							
12.3	08S	00455	15.68	36.111	26.65		1518.3							
12.3	08S	T00535	14.25											
12.3	08S	T00689	11.58	35.537	27.10		1509.0							

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REFID 31 2113 YEAR 1972 BOTOP 04606 AIR TEMP 24.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 07 SHIP CO WET BULB 21.5 03 2 3 WIND-SPD 07 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 19 DATA USE 1 BAROMETR 1014.3 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 03 W HOUR 13.1 AREA US CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E74 009 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
13.1	08S	00000	24.42	36.422	24.61		1535.0							
13.1	08S	00027	21.94	36.397	25.31		1529.3							
13.1	08S	00049	19.38	36.373	25.99		1522.8							
13.1	08S	00077	18.30	36.386	26.28		1520.3							
13.1	08S	00099	18.13	36.439	26.36		1520.2							
13.1	08S	00149	17.70	36.416	26.45		1513.8							
13.1	08S	T00198	17.58	36.413	26.47		1520.2							
13.1	08S	00298	17.16	36.363	26.54		1520.6							
13.1	08S	T00397	16.54	36.266	26.61		1520.2							
13.1	08S	00496	15.18	36.017	26.73		1517.3							
13.1	08S	T00594	13.99	35.821	26.84		1514.9							
13.1	08S	T00796	10.24	35.376	27.22		1504.8							

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REFID 31 2113 YEAR 1972 BOTOP 04500 AIR TEMP 25.9 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 07 SHIP CO WET BULB 22.5 26 4 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 20 DATA USE 1 BAROMETR 1010.6 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 52 W HOUR 12.3 AREA US CLOUD T/A 0/2 CL/TR WEATHER XI ORIG E74 010 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	24.32	36.374	24.61		1534.8							
12.3	08S	00032	20.52	36.369	25.68		1525.7							
12.3	08S	00060	18.69	36.391	26.18		1521.1							
12.3	08S	00092	18.12	36.411	26.34		1520.0							
12.3	08S	00119	17.92	36.410	26.39		1519.9							
12.3	08S	00179	17.68	36.382	26.43		1520.2							
12.3	08S	T00238	17.49	36.379	26.47		1520.6							
12.3	08S	00358	16.88											
12.3	08S	00479	15.53	36.075	26.70		1518.2							
12.3	08S	00607	13.89	35.804	26.85		1514.8							
12.3	08S	T00731	11.25	35.412	27.07		1507.4							
12.3	08S	00980	06.09	35.057	27.61		1491.7							
12.3	08S	T01231	04.63	35.090	27.81		1490.0							
12.3	08S	T01874	03.95											

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REFID 31 2113 YEAR 1972 BOTOP 04537 AIR TEMP 24.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 07 SHIP CO WET BULB 21.1 24 7 3 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 21 DATA USE 1 BAROMETR 1010.0 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 12.6 AREA US CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E74 011 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	QYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.6	08S	00000	24.22	36.370	24.63		1534.5							
12.6	08S	00028	20.84	36.366	25.58		1526.0							
12.6	08S	00053	20.30	36.348	26.73		1520.4							
12.6	08S	00082	19.05	36.390	26.34		1519.6							
12.6	08S	00106	17.91	36.431	26.41		1519.7							
12.6	08S	00159	17.70	36.417	26.45		1519.4							
12.6	08S	T00212	17.55	36.403	26.47		1520.3							
12.6	08S	00319	16.49	36.343	26.56		1520.4							
12.6	08S	00539	14.74	35.964	26.79		1516.6							
12.6	08S	T00648	13.24	35.757	26.95		1513.3							
12.6	08S	T00864	07.64	35.134	27.45		1496.0							
12.6	08S	01096	05.44											
12.6	08S	T01694	04.00											

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BOTOP 04532 AIR TEMP 24.1 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 07 SHIP CQ WET BULB 19.9 23 6 3 WIND-SPD 21 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 22 DATA USE 1 BAROMETR 1012.4 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 53 W HOUR 12.8 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X3 ORIG E74 012 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	085	0000	24.04	36.311	24.64		1534.0							
12.8	085	00021	23.59	36.333	24.79		1533.3							
12.8	085	00040	20.03	36.335	25.79		1524.4							
12.8	085	00061	18.70	36.391	26.18		1521.2							
12.8	085	00079	18.18	36.415	26.33		1520.0							
12.8	085	00120	17.93											
12.8	085	T00163	17.71	36.395	26.43		1520.0							
12.8	085	00247	17.28	36.368	26.51		1520.1							
12.8	085	00335	16.74	36.288	26.58		1519.8							
12.8	085	00427	15.87	36.144	26.67		1518.5							
12.8	085	00515	14.75	35.970	26.79		1516.2							
12.8	085	T00699	11.57	35.540	27.11		1508.1							
12.8	085	00892	07.52	35.308	27.61		1496.2							
12.8	085	T01400	04.22											

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REFID 31 2113 YEAR 1972 BOTOP 04631 AIR TEMP 23.9 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 07 SHIP CQ WET BULB 21.3 25 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 23 DATA USE 1 BAROMETR 1016.3 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 59 W HOUR 12.3 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG E74 013 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	23.90	36.309	24.68		1533.7							
12.3	085	00025	21.46	36.378	25.43		1524.0							
12.3	085	00046	19.41	36.357	25.97		1522.9							
12.3	085	00071	18.38	36.416	26.28		1520.4							
12.3	085	00092	18.12	36.423	26.35		1520.1							
12.3	085	00138	17.87	36.407	26.40		1520.1							
12.3	085	T00184	17.62	36.389	26.45		1520.1							
12.3	085	00279	17.27	36.364	26.52		1520.0							
12.3	085	T00374	16.46	36.228	26.60		1519.5							
12.3	085	00470	15.21	36.006	26.72		1517.3							
12.3	085	T00568	13.96	35.821	26.85		1514.4							

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REFID 31 2113 YEAR 1972 BOTOP 03738 AIR TEMP 24.9 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 07 SHIP CQ WET BULB 23.6 25 3 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 24 DATA USE 1 BAROMETR 1011.4 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 7/3 CL/TR WEATHER X1 ORIG E74 014 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	085	00000	23.81	36.185	24.61		1533.3							
12.5	085	00028	22.20	36.315	25.18		1529.9							
12.5	085	00052	19.81	36.396	25.89		1524.1							
12.5	085	00080	18.61	36.422	26.22		1521.3							
12.5	085	00104	18.12	36.405	26.34		1520.2							
12.5	085	00156	17.79	36.415	26.42		1520.1							
12.5	085	T00209	17.62	36.397	26.45		1520.5							
12.5	085	U0316	16.97	36.325	26.56		1520.2							
12.5	085	T00427	15.80	36.103	26.66		1518.2							
12.5	085	00546	14.74	35.942	26.77		1516.7							
12.5	085	T00644	12.52	35.828	26.99		1510.9							
12.5	085	T00905	07.26	35.114	27.49		1495.1							
12.5	085	T01151	05.28											
12.5	085	T01783	04.15											

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REFID 31 2113 YEAR 1972 BOTOP 04718 AIR TEMP 25.0 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 07 SHIP CQ WET BULB 23.8 25 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 25 DATA USE 1 BAROMETR 1016.6 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 54 W HOUR 13.8 AREA 05 CLOUD T/A 7/7 CL/TR WEATHER X4 ORIG E74 015 1 SQUARE 47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.8	085	00000	23.76	36.304	24.72		1533.3							
13.8	085	00027	20.57	36.345	25.65		1525.7							
13.8	085	00050	18.78	36.410	26.17		1521.2							
13.8	085	00078		36.407										
13.8	085	00101	17.88	36.389	26.38		1519.5							
13.8	085	00152	17.54	36.370	26.45		1519.3							
13.8	085	T00204	17.31	36.358	26.50		1519.5							
13.8	085	00307	16.72	36.293	26.59		1519.3							
13.8	085	T00410	15.58	36.101	26.71		1517.3							
13.8	085	00519	14.14	35.900	26.87		1516.3							
13.8	085	T00628	12.54	35.611	26.98		1510.4							
13.8	085	T00855	08.39	35.333	27.50		1498.9							
13.8	085	T01092	05.37											

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BOTDP 04519 AIR TEMP 26.1 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 07 SHIP CQ WET BULB 24.2 25 1 5 WIND-SPD 01 TRACE OIR 5 SQUARE 2  
 LAT 34 57 N DAY 26 DATA USE 1 BARUMETR 1022.0 SEA WIND-FJR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.4 AREA 05 CLOUD T/A X/Y CL/TR WEATHER X4 ORIG E74 016 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P14	TOT P	N02	N03	S103	PH
12.4	DBS	00000	24.14	36.298	24.60		1534.2							
12.4	DBS	00029	23.00	36.372	24.97		1532.2							
12.4	DBS	00053	18.54	36.424	26.24		1520.6							
12.4	DBS	00083	17.95	36.426	26.39		1519.4							
12.4	DBS	00107	17.75	36.422	26.44		1519.2							
12.4	DBS	00161	17.52	36.395	26.48		1519.4							
12.4	DBS	T00214	17.42	36.392	26.50		1520.0							
12.4	DBS	00321	16.92	36.343	26.58		1520.2							
12.4	DBS	T00429	15.73	36.109	26.68		1513.1							
12.4	DBS	00536	14.44	35.926	26.83		1515.5							
12.4	DBS	00643	11.85	35.516	27.04		1508.2							
12.4	DBS	T00862	07.22	35.068	27.46		1494.2							
12.4	DBS	T01077	05.32	35.075	27.72		1490.2							
15.0	DBS	T01878	03.95	34.984	27.80		1497.9							
15.0	DBS	T02365	03.57	34.988	27.84		1504.6							
15.0	DBS	T02845	03.07	34.972	27.88		1510.7							
15.0	DBS	T03336	02.59	34.961	27.91		1517.2							

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REFID 31 2113 YEAR 1972 BOTDP 04334 AIR TEMP 25.3 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 07 SHIP CQ WET BULB 23.9 22 1 2 WIND-SPD 09 TRACE OIR 5 SQUARE 2  
 LAT 34 52 N DAY 27 DATA USE 1 BARUMETR 1024.1 SEA WIND-FJR DURATION 2 SQUARE 46  
 LONG 047 30 W HOUR 12.4 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG E74 017 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P14	TOT P	N02	N03	S103	PH
12.4	DBS	00000	24.47	36.274	24.48		1535.0							
12.4	DBS	00027	22.92	36.516	25.13		1531.9							
12.4	DBS	00049	19.64	36.478	26.00		1523.7							
12.4	DBS	00076	18.56	36.454	26.26		1521.1							
12.4	DBS	00099	17.94	36.400	26.38		1519.6							
12.4	DBS	00148		36.331										
12.4	DBS	T00197	16.97	36.320	25.55		1518.3							
12.4	DBS	00297	16.47	36.249	25.62		1518.3							
12.4	DBS	T00398	15.48	36.088	25.72		1516.8							
12.4	DBS	00500	14.23	35.383	26.84		1514.2							
12.4	DBS	T00603	12.62	35.945	26.95		1510.3							
12.4	DBS	T00816	08.57	35.230	27.39		1498.8							
12.4	DBS	T01027	05.84	35.092	27.67		1491.5							
12.4	DBS	T01565	04.13											

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REFID 31 2113 YEAR 1972 BOTDP 04286 AIR TEMP 25.5 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 07 SHIP CQ WET BULB 23.5 15 1 2 WIND-SPD 10 TRACE OIR 5 SQUARE 2  
 LAT 34 54 N DAY 28 DATA USE 1 BARUMETR 1023.1 SEA WIND-FJR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.2 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E74 018 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SND VEL	OXYG	P04	TOT P	N02	N03	S103	PH
12.2	DBS	00000	24.77	36.304	24.42		1535.7							
12.2	DBS	00026	23.72	36.362	24.77		1533.7							
12.2	DBS	00048	19.80	36.364	25.87		1524.0							
12.2	DBS	00074	18.37	36.437	26.30		1520.5							
12.2	DBS	00096	18.01	36.431	26.38		1519.8							
12.2	DBS	00145	17.63	36.410	26.46		1519.5							
12.2	DBS	T00194	17.44	36.392	26.49		1519.7							
12.2	DBS	00294	16.95	36.337	26.57		1519.8							
12.2	DBS	T00397	15.90	36.143	26.67		1518.1							
12.2	DBS	00500	14.67	35.956	26.80		1515.7							
12.2	DBS	T00606	13.05	35.691	26.94		1511.8							
12.2	DBS	00824	07.78	35.113	27.42		1495.8							
12.2	DBS	T01040	05.68	35.102	27.69		1491.1							

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TABLE LIII.—Continued

REFID 31 2113 YEAR 1972 BOTOP 05018 AIR TEMP 25.9 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0019 MONTH 07 SHIP CQ WET HULB 24.1 22 2 2 WIND-SPD 13 TRACE DIR 5 SQUARE 1  
 LAT 33 18 N DAY 29 DATA USE 1 BAROMETR 1022.6 SEA WIND-FUR DURATION 2 SQUARE 20  
 LONG 050 06 W HOUR 13.8 AREA 05 CLOUD TPA 3/6 CL/TR WEATHER X1 ORIG E74 019 1 SQUARE 10

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	STMA-T	DYNOPTH	SND VEL	OXYG	P14	TOT P	NU2	NU3	SI 13	PH
13.8	DBS	00000	24.94	36.334	24.55		1530.2							
13.8	DBS	00026	24.12	36.344	24.65		1534.7							
13.8	DBS	00047	19.98	36.366	25.83		1524.4							
13.8	DBS	00073	18.28	36.404	26.24		1520.2							
13.8	DBS	00094	17.45	36.403	26.38		1514.0							
13.8	DBS	00140	17.54	36.362	26.46		1514.1							
13.8	DBS	T00186	17.32	36.394	26.49		1519.2							
13.8	DBS	00276	16.47	36.335	26.56		1514.6							
13.8	DBS	T00366	15.47	36.147	26.65		1517.3							
13.8	DBS	00456	14.86	35.990	26.76		1515.0							
13.8	DBS	T00547	13.44	35.787	26.42		1512.9							
13.8	DBS	00729	09.88	35.338	27.26		1502.4							
13.8	DBS	00904	06.57	35.222	27.67		1492.5							
13.8	DBS	T01334	04.37											

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REFID 31 2113 YEAR 1972 BOTOP 05040 AIR TEMP 25.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0020 MONTH 07 SHIP CQ WET HULB 23.4 18 2 2 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 36 36 N DAY 30 DATA USE 1 BAROMETR 1017.3 SEA WIND-FUR DURATION 2 SQUARE 68  
 LONG 047 55 W HOUR 12.3 AREA 05 CLOUD TPA 8/8 CL/TR WEATHER X1 ORIG E74 020 1 SQUARE 69

CASINUM/TIME	LVL TYP	DEPTH	TEMP	SAL	STMA-T	DYNOPTH	SND VEL	OXYG	P14	TOT P	NU2	NU3	SI 13	PH
12.3	DBS	00000	24.74	36.383	24.49		1535.8							
12.3	DBS	00027	20.44	36.347	25.69		1525.3							
12.3	DBS	00051	18.62	36.411	26.21		1520.6							
12.3	DBS	00078	18.04	36.402	26.34		1514.7							
12.3	DBS	00102	17.97	36.401	26.37		1514.8							
12.3	DBS	00153	17.70	36.394	26.43		1519.8							
12.3	DBS	T00204	17.56	36.386	26.46		1520.2							
12.3	DBS	00306	17.24	36.351	26.57		1520.7							
12.3	DBS	T00410	16.70	36.263	26.57		1521.2							
12.3	DBS	00518	15.85	36.122	26.66		1519.7							
12.3	DBS	T00622	15.01	35.795	26.75		1518.9							
12.3	DBS	00821	13.30	35.761	26.94		1516.3							
12.3	DBS	01014	09.11	35.353	27.40		1504.3							
12.3	DBS	T01440	04.84	35.021	27.73		1495.1							

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TABLE LIV.—Observed and interpolated oceanographic data for stations taken by USCGC GALLATIN at Ocean Station ECHO, 30 July 1972 - 24 August 1972, prepared from NODC listing No. 31 - 2112.

ARCHIVE LISTING

REFID	31	2112	YEAR	1972	BOTOP	09327	AIR TEMP	26.2	DIR HGT	PER	WIND-DIR	21	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0001	MONTH	08	SHIP	3L	WET BULB	23.9		21 1 2	WIND-SPD	17	TRACE DIR		5 SQUARE	4
LAT	35	23 N	DAY	01	DATA USE	1	BAROMETR	1021.3		SEA	WIND-FOR		DURATION		2 SQUARE	48
LONG	048	12 W	HOOR	13.2	AREA	05	CLOUD T/A	8/4		CL/TR	WEATHER	X1	ORIG E75 001		1 SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
13.2	085	00000	24.80	36.235	24.36		1535.7							
13.2	085	00025	24.76	36.218	24.35		1536.1							
13.2	085	00050	21.12	36.356	25.51		1527.5							
13.2	085	00075	19.23	36.384	26.04		1522.9							
13.2	085	00100	18.25	36.365	26.27		1520.5							
13.2	085	00150	17.61	36.345	26.42		1519.4							
13.2	085	T00205	17.29	36.333	26.48		1519.4							
13.2	085	00305	16.84	36.288	26.56		1519.6							
13.2	085	T00405	15.83	36.110	26.65		1518.1							
13.2	085	00510	14.72	35.912	26.75		1516.0							
13.2	085	T00610	13.32	35.707	26.89		1512.8							
13.2	085	00809	09.32	35.258	27.29		1501.5							
13.2	085	01013	06.30	35.069	27.59		1493.1							
13.2	085	T01519	04.34	35.074	27.83		1493.6							

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REFID	31	2112	YEAR	1972	BOTOP	04755	AIR TEMP	26.0	DIR HGT	PER	WIND-DIR	23	INST NANSEN	CAST	TEN SQ	1206	
CONSEC		0002	MONTH	08	SHIP	3L	WET BULB	23.5		20 1 2	WIND-SPD	12	TRACE DIR		5 SQUARE	4	
LAT	35	55.6N	DAY	02	DATA USE	1	BAROMETR	1022.4		SEA	WIND-FOR		DURATION		2 SQUARE	48	
LONG	048	01 W	HOOR	12.4	AREA	05	CLOUD T/A	8/2		CL/TR	7/40	WEATHER	X1	ORIG E75 002		1 SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.4	085	00000	24.92	36.245	24.33		1536.0							
12.4	085	00025	24.50	36.330	24.52		1535.5							
12.4	085	00049	19.74	36.441	25.95		1523.9							
12.4	085	00074	18.39	36.435	26.29		1520.5							
12.4	085	00099	17.65	36.403	26.45		1518.7							
12.4	085	00148	17.40	36.379	26.49		1518.8							
12.4	085	T00202	17.16	36.363	26.54		1519.0							
12.4	085	00300	16.50	36.267	26.62		1518.5							
12.4	085	T00399	15.28	36.061	26.74		1516.1							
12.4	085	00502	14.05	35.869	26.87		1513.7							
12.4	085	T00600	12.30	35.622	27.03		1509.1							
12.4	085	T00799	08.80	35.243	27.36		1499.4							
12.4	085	T01003	05.63	35.035	27.65		1490.2							
12.4	085	T01513	04.34	34.989	27.76		1493.4							

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REFID	31	2112	YEAR	1972	BOTOP	03292	AIR TEMP	25.3	DIR HGT	PER	WIND-DIR	22	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0003	MONTH	08	SHIP	3L	WET BULB	23.9		22 2 2	WIND-SPD	17	TRACE DIR		5 SQUARE	4
LAT	35	01 N	DAY	03	DATA USE	1	BAROMETR	1023.4		SEA	WIND-FOR		DURATION		2 SQUARE	48
LONG	048	04 W	HOOR	12.7	AREA	05	CLOUD T/A	8/2		CL/TR	WEATHER	X1	ORIG E75 003		1 SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.7	085	00000	24.99	36.292	24.34		1536.2							
12.7	085	00024	24.43	36.466	24.64		1535.5							
12.7	085	00049	19.92	36.268	25.77		1524.2							
12.7	085	00073	18.41	36.450	26.30		1520.6							
12.7	085	00097	17.93	36.418	26.39		1519.6							
12.7	085	00146	17.50	36.373	26.46		1519.1							
12.7	085	00200	17.25	36.364	26.52		1519.2							
12.7	085	00298	16.82	36.307	26.58		1519.5							
12.7	085	T00395	15.81	36.140	26.69		1517.8							
12.7	085	00498	14.55	35.937	26.81		1515.3							
12.7	085	T00596	13.16	35.724	26.94		1512.1							
12.7	085	00792	08.80	35.167	27.30		1499.2							
12.7	085	00995	05.89	35.065	27.64		1491.1							
12.7	085	T01502	04.17	34.984	27.78		1492.5							

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TABLE LIV.—Continued

REFID 31 2112 YEAR 1972 BOTOP 04206 AIR TEMP 25.9 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 08 SHIP 3L WET BULB 23.9 27 0 2 WIND-SPD 02 TRACE DIR 5 SQUARE 4  
 LAT 35 01.5N DAY 04 DATA USE 1 BAROMETR 1025.6 SEA WIND-FUR 02 DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 12.0 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E75 004 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	25.22	36.318	24.29		1536.8							
12.0	085	00026	23.20	36.282	24.87		1532.4							
12.0	085	00051		36.335										
12.0	085	00076	18.40	36.409	26.27		1520.6							
12.0	085	00102	18.02	36.417	26.37		1519.9							
12.0	085	00152	17.56	36.389	26.46		1519.4							
12.0	085	00208	17.24	36.370	26.52		1519.3							
12.0	085	00309	16.64	36.288	26.61		1519.1							
12.0	085	T00410	15.51	36.092	26.72		1517.1							
12.0	085	00517	14.15	35.879	26.85		1514.2							
12.0	085	T00618	12.84	35.727	27.01		1511.4							
12.0	085	00820	08.77	35.228	27.35		1499.6							
12.0	085	01027	05.62	35.039	27.65		1490.6							
12.0	085	T01538	04.31	35.003	27.78		1493.7							

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REFID 31 2112 YEAR 1972 BOTOP 03687 AIR TEMP 25.8 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 08 SHIP 3L WET BULB 23.9 27 2 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 57 N DAY 05 DATA USE 1 BAROMETR 1026.4 SEA WIND-FUR 02 DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E75 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.3	085	00000	25.19	36.220	24.23		1536.6							
12.3	085	00025	24.62	36.217	24.40		1535.7							
12.3	085	00050		36.352										
12.3	085	00075	18.30	36.374	26.27		1520.2							
12.3	085	00100	17.98	36.412	26.38		1519.8							
12.3	085	00150	17.68	36.415	26.45		1519.7							
12.3	085	T00204	17.45	36.396	26.49		1519.9							
12.3	085	00304	16.81	36.322	26.59		1519.6							
12.3	085	T00404	15.63	36.102	26.70		1517.3							
12.3	085	00508	14.44	35.935	26.83		1515.1							
12.3	085	T00608	12.87	35.760	27.03		1511.4							
12.3	085	00808	08.58	35.225	27.38		1498.7							
12.3	085	01013	05.55	35.031	27.65		1490.0							
12.3	085	T01523	04.28	35.055	27.82		1493.4							

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REFID 31 2112 YEAR 1972 BOTOP 04864 AIR TEMP 25.1 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 08 SHIP 3L WET BULB 23.0 24 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 06 DATA USE 1 BAROMETR 1026.5 SEA WIND-FUR 02 DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.6 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E75 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.6	085	00000	25.43	36.168	24.11		1537.1							
12.6	085	00024	24.88	36.200	24.30		1536.3							
12.6	085	00049		36.241										
12.6	085	00073	18.53	36.459	26.27		1521.0							
12.6	085	00097	17.93	36.427	26.40		1519.6							
12.6	085	00146	17.61	36.404	26.46		1519.4							
12.6	085	T00199	17.26	36.380	26.53		1519.2							
12.6	085	00296	16.53	36.272	26.62		1518.5							
12.6	085	T00392	14.78	35.967	26.78		1514.3							
12.6	085	00492	13.54	35.778	26.90		1511.7							
12.6	085	T00587	12.16	35.594	27.04		1508.4							
12.6	085	00778	08.55	35.310	27.45		1498.2							
12.6	085	00974	05.76	35.056	27.65		1490.3							
12.6	085	T01471	04.22	34.996	27.76		1492.2							

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REFID 31 2112 YEAR 1972 BOTOP 04901 AIR TEMP 26.2 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 08 SHIP 3L WET BULB 23.2 23 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 45 N DAY 07 DATA USE 1 BAROMETR 1026.1 SEA WIND-FUR 02 DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR /36 WEATHER X1 ORIG E75 007 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.7	085	00000	25.59	36.250	24.12		1537.6							
12.7	085	00022	25.52	36.446	24.29		1538.0							
12.7	085	00044		36.383										
12.7	085	00065	18.66	36.326	26.14		1521.0							
12.7	085	00087	17.61	36.355	26.42		1518.4							
12.7	085	00130	17.02	36.321	26.54		1517.3							
12.7	085	T00178	16.50	36.251	26.61		1516.5							
12.7	085	00264	15.84	36.158	26.69		1515.8							
12.7	085	T00350	14.95	35.999	26.77		1514.2							
12.7	085	00440	13.51	35.760	26.89		1510.7							
12.7	085	T00527	12.33	35.630	27.03		1508.0							
12.7	085	T00704	09.07	35.327	27.38		1499.0							
12.7	085	00892	06.67	35.156	27.61		1492.7							
12.7	085	T01381	04.39	35.001	27.77		1491.4							

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TABLE LIV.—Continued

REFID 31 2112 YEAR 1972 BOTOP 01682 AIR TEMP 24.0 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 08 SHIP 3L WET BULB 23.8 23 2 3 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 08 DATA USE 1 BAROMETR 1023.5 SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 06 W HOUR 13.0 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X6 ORIG E75 008 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.0	0BS	00000	25.55	36.219	24.11		1537.5							
13.0	0BS	00025	24.06	36.470	24.76		1534.7							
13.0	0BS	00049	19.91	36.377	25.85		1524.3							
13.0	0BS	00074	18.84	36.439	26.18		1521.8							
13.0	0BS	00099	18.36	36.448	26.31		1520.9							
13.0	0BS	00149	17.66	36.411	26.45		1519.6							
13.0	0BS	T00204	17.29	36.384	26.52		1519.4							
13.0	0BS	00303	16.51	36.257	26.61		1518.6							
13.0	0BS	T00403	15.19	36.029	26.74		1515.9							
13.0	0BS	00508	14.40	35.930	26.84		1515.0							
13.0	0BS	00607	12.60	35.649	26.99		1510.3							
13.0	0BS	T00H06	08.97	35.278	27.36		1500.2							
13.0	0BS	T01010	05.84	35.057	27.64		1491.2							
13.0	0BS	T01519	04.32	35.007	27.76		1493.4							

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REFID 31 2112 YEAR 1972 BOTOP 04206 AIR TEMP 25.3 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 08 SHIP 3L WET BULB 21.8 29 2 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 09 DATA USE 1 BAROMETR SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E75 009 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.3	0BS	00000	25.62	36.344	24.19		1537.8							
12.3	0BS	00025	25.37	36.464	24.35		1537.7							
12.3	0BS	00049	20.72	36.397	25.65		1526.5							
12.3	0BS	00073	18.94	36.388	26.11		1522.0							
12.3	0BS	00098	17.96	36.410	26.38		1519.7							
12.3	0BS	00146	17.50	36.386	26.47		1519.1							
12.3	0BS	T00200	17.19	36.353	26.52		1519.0							
12.3	0BS	00297	16.20	36.188	26.63		1517.4							
12.3	0BS	T00394	15.20	36.051	26.75		1515.8							
12.3	0BS	00496	13.77	35.811	26.88		1512.6							
12.3	0BS	T00593	12.57	35.683	27.01		1510.0							
12.3	0BS	T00788	08.94	35.269	27.35		1499.9							
12.3	0BS	00948	05.99	35.053	27.62		1491.4							
12.3	0BS	T01489	04.19	34.999	27.79		1492.4							

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REFID 31 2112 YEAR 1972 BOTOP 04608 AIR TEMP 24.8 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 08 SHIP 3L WET BULB 22.8 49 1 X WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 10 DATA USE 1 BAROMETR 1026.1 SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 12.0 AREA 05 CLOUD T/A 8/3 CL/TR 749 WEATHER X1 ORIG E75 010 1 SQUARE 48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	0BS	00000	25.60	36.241	24.11		1537.6							
12.0	0BS	00025	25.63	36.305	24.15		1538.2							
12.0	0BS	00050	20.94	36.399	25.59		1527.1							
12.0	0BS	00075	18.08	36.367	26.32		1519.6							
12.0	0BS	00100	17.50	36.361	26.45		1518.3							
12.0	0BS	00150	17.30	36.343	26.49		1518.5							
12.0	0BS	T00205	17.11	36.343	26.54		1518.9							
12.0	0BS	00304	16.61	36.286	26.61		1518.9							
12.0	0BS	T00403	15.16	36.030	26.75		1515.8							
12.0	0BS	00506	13.79	35.818	26.88		1512.8							
12.0	0BS	T00605	12.15	35.598	27.04		1508.7							
12.0	0BS	T00800	08.29	35.217	27.42		1497.5							
12.0	0BS	T01001	05.62	35.015	27.63		1490.1							
12.0	0BS	T01495	04.15	34.990	27.78		1492.3							

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REFID 31 2112 YEAR 1972 BOTOP 04572 AIR TEMP 25.6 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 08 SHIP 3L WET BULB 22.2 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1026.3 SEA WIND-FUR 10 DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 12.5 AREA 05 CLOUD T/A 8/2 CL/TR 746 WEATHER X1 ORIG E75 011 1 SQUARE 58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.5	0BS	00000	25.70	36.034	23.93		1537.6							
12.5	0BS	00025	25.34	36.049	24.05		1537.2							
12.5	0BS	00049	22.36	36.185	25.03		1530.5							
12.5	0BS	00074		36.465										
12.5	0BS	00099	19.23	36.479	26.11		1523.4							
12.5	0BS	00148	18.14	36.439	26.36		1521.0							
12.5	0BS	T00202	17.65	36.389	26.44		1520.5							
12.5	0BS	00301	16.44	36.205	26.59		1518.3							
12.5	0BS	T00399	15.51	36.084	26.71		1516.7							
12.5	0BS	00503	14.36	35.910	26.83		1514.7							
12.5	0BS	T00601	12.22	35.581	27.02		1508.8							
12.5	0BS	T00798	08.77	35.253	27.37		1499.3							
12.5	0BS	01000	06.08	35.050	27.60		1492.0							
12.5	0BS	T01504	04.28	35.023	27.60		1493.0							

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TABLE LIV.—Continued

REFID 31 2112 YEAR 1972 BDTOP 01920 AIR TEMP 25.7 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 08 SHIP 3L WET BULB 22.6 00 0 2 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 12 DATA USE 1 BAROMETR 1027.9 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 07.0W HOUR 11.8 AREA 05 CLOUD T/A 8/1 CL/TR WEAHTER X1 DRIG E75 012 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
11.8	085	00000	25.58	36.101	24.84		1538.3							
11.8	085	00024	25.14	36.166	24.21		1536.4							
11.8	085	00049	21.41	36.332	25.41		1528.3							
11.8	085	00073	21.10	36.375	25.53		1527.4							
11.8	085	00097	18.44	36.424	26.27		1521.0							
11.8	085	00146	17.50	36.357	26.45		1519.1							
11.8	085	00199	17.29	36.355	26.50		1519.3							
11.8	085	00296	16.81	36.307	26.58		1519.4							
11.8	085	T00393	15.56	36.124	26.73		1517.0							
11.8	085	00495	14.10	35.889	26.87		1513.7							
11.8	085	T00592	12.60	35.651	27.00		1510.1							
11.8	085	00786	08.83	35.208	27.33		1499.3							
11.8	085	00935	05.68	35.126	27.69		1491.0							
11.8	085	T01478	04.44											

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REFID 31 2112 YEAR 1972 BDTOP 04608 AIR TEMP 26.9 DIR HGT PER WIND-DIR 12 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 08 SHIP 3L WET BULB 23.2 12 0 2 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 13 DATA USE 1 BAROMETR 1028.7 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 046 52 W HOUR 12.5 AREA 05 CLOUD T/A 8/4 CL/TR WEAHTER X1 DRIG E75 U13 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.5	085	00000	26.07	36.119	23.88		1538.5							
12.5	085	00023	25.20	36.117	24.14		1536.9							
12.5	085	00045	21.42	36.295	25.38		1528.2							
12.5	085	00067	19.92	36.363	25.84		1524.6							
12.5	085	00089	19.46	36.441	26.02		1523.8							
12.5	085	00134	17.97											
12.5	085	00181		35.392										
12.5	085	00263	17.13	36.352	26.54		1519.9							
12.5	085	T00345	16.39	36.207	26.60		1518.8							
12.5	085	00430	15.20	35.998	26.71		1516.3							
12.5	085	T00510	14.05	35.831	26.84		1513.7							
12.5	085	T00670	11.13	35.535	27.19		1506.1							
12.5	085	00838	08.17	35.186	27.41		1497.6							
12.5	085	T01260	04.92											

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REFID 31 2112 YEAR 1972 BDTOP 04206 AIR TEMP 26.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 08 SHIP 3L WET BULB 23.1 10 0 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 01.3N DAY 14 DATA USE 1 BAROMETR 1028.2 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 09.8W HOUR 12.2 AREA 05 CLOUD T/A 8/2 CL/TR WEAHTER X1 DRIG E75 U14 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.2	085	00000	25.95	36.156	23.94		1538.3							
12.2	085	00024	25.43	36.114	24.07		1537.5							
12.2	085	00048	22.81	36.331	25.02		1531.8							
12.2	085	00072	20.43	36.359	25.70		1526.1							
12.2	085	00096	18.74	36.339	26.13		1521.8							
12.2	085	00143	17.94	36.402	26.38		1520.3							
12.2	085	T00195	17.57	36.397	26.46		1520.1							
12.2	085	00289	16.94	36.336	26.57		1519.7							
12.2	085	T00383	15.87	36.132	26.67		1517.8							
12.2	085	00481	14.75	35.983	26.80		1515.7							
12.2	085	T00575	13.24	35.761	26.95		1512.1							
12.2	085	00762	09.02	35.219	27.31		1499.6							
12.2	085	00954	06.39	35.047	27.56		1492.4							
12.2	085	T01438	04.37	35.022	27.79		1492.3							

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REFID 31 2112 YEAR 1972 BDTOP 03658 AIR TEMP 25.8 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 08 SHIP 3L WET BULB 24.8 13 0 2 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 15 DATA USE 1 BAROMETR 1025.5 SEA WIND-FJR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 8/1 CL/TR WEAHTER X1 DRIG E75 015 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
12.3	085	00000	25.88	36.207	24.00		1538.2							
12.3	085	00022	25.62											
12.3	085	00044	22.79											
12.3	085	00089	18.41											
12.3	085	00134	17.80											
12.3	085	00182	17.46											
12.3	085	00270	17.07											
12.3	085	T00357	15.84											
12.3	085	00448	14.84											
12.3	085	T00534	13.82											
12.3	085	T00708	10.65											
12.3	085	00887	06.90											
12.3	085	T01344	04.58	35.048	27.78		1491.6							

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TABLE LIV.—Continued

REFID	31	2112	YEAR	1972	BOTOP	04572	AIR TEMP	26.2	OIR HGT PER	#INO-OIR	18	INST NANSEM	CAS	TEN SQ	1206
CONSEC		0016	MONTH	08	SHIP	3L	WET BULB	24.0	18 1 2	#INO-SPD	15	TRACE OIR		5	SQUARE 2
LAT	34	00	N	UAY	17	DATA USE	1	BAROMETR	1021.5	SEA		DURATION		2	SQUARE 48
LONG	049	07	W	MIUR	12.9	AREA	05	CLOUD T/A	8/3	CL/TR	/32	WEATHER	X1	ORIG	E75 016
														1	SQUARE 49

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PIJ4	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	26.35	36.465	24.05		1539.6							
12.9	085	00025	25.30	36.478	24.39		1537.6							
12.9	085	00050	20.61	36.365	25.66		1526.2							
12.9	085	00075	17.96	36.292	26.29		1519.2							
12.9	085	00100	17.17	36.312	26.50		1517.3							
12.9	085	00150	16.28	36.205	26.63		1515.3							
12.9	085	T00205	15.82	36.129	26.67		1514.7							
12.9	085	00305	14.77	35.986	26.80		1512.9							
12.9	085	T00405	13.47	35.766	26.91		1510.0							
12.9	085	00510	11.77	35.533	27.07		1505.7							
12.9	085	T00610	09.47	35.332	27.24		1500.7							
12.9	085	00810	06.34	35.071	27.55		1489.9							
12.9	085	01015	05.48	35.000	27.71		1489.9							
12.9	085	01525	04.52	34.900	27.74		1494.3							

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TABLE LV.--Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 24 August 1972 - 18 September 1972, prepared from NODC listing No. 31 - 2124.

REFID 31 2124	YEAR 1972	BOTOP 03357	AIR TEMP 29.5	OIR HGT PER	#IND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 08	SHIP BX	WET BULB 28.0	28 2 4	#IND-SPD 08	TRACE DIR	5 SQUARE 2
LAT 34 55 N	DAY 25	DATA USE 1	BAROMETR 1019.3	SEA	#IND-FOR	DURATION	2 SQUARE 48
LONG 048 30 W	HOUR 19.1	AREA 05	CLOUD T/A 9/3	CL/TR	WEATHER X8	ORIG E76 001	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
19.1	DBS	00000	27.07	36.509	23.85		1541.2							
19.1	DBS	00026	26.51	36.506	24.03		1540.4							
19.1	DBS	00048	21.47	36.453	25.45		1528.5							
19.1	DBS	00074	18.85	36.426	26.17		1521.8							
19.1	DBS	00096	18.33	36.421	26.29		1520.7							
19.1	DBS	00144	17.67	36.414	26.45		1519.6							
19.1	DBS	T00191	17.35	36.385	26.51		1519.4							
19.1	DBS	00286	16.74	36.306	26.60		1519.0							
19.1	DBS	T00381	15.80	36.146	26.69		1517.5							
19.1	DBS	00476	14.57	35.949	26.82		1515.0							
19.1	DBS	T00570	13.04	35.719	26.96		1511.3							
19.1	DBS	T00766	08.91											
19.1	DBS	T00957	06.10	35.063	27.01		1491.3							

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REFID 31 2124	YEAR 1972	BOTDP 03112	AIR TEMP 26.3	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 08	SHIP BX	WET BULB 23.3	27 2 3	WIND-SPD 17	TRACE DIR	5 SQUARE 4
LAT 35 05 N	DAY 26	DATA USE 1	BAROMETR 1018.9	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 55 W	HOUR 12.6	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E76 002	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
12.6	DBS	00000	26.97	36.506	23.88		1541.0							
12.6	DBS	00023	26.71	36.488	23.95		1540.8							
12.6	DBS	00043	23.66	36.443	24.85		1534.0							
12.6	DBS	00067	19.85	36.411	25.90		1524.5							
12.6	DBS	00088	18.83	36.413	26.16		1522.0							
12.6	DBS	00132	17.94	36.415	26.39		1520.2							
12.6	DBS	00176	17.62	36.402	26.46		1520.0							
12.6	DBS	00266	17.29	36.372	26.51		1520.4							
12.6	DBS	T00354	16.91	36.326	26.57		1520.7							
12.6	DBS	00442	16.09	36.184	26.65		1519.5							
12.6	DBS	T00529	14.86	35.995	26.79		1516.8							
12.6	DBS	T00709	11.38											
12.6	DBS	T00867	08.07	35.215	27.45		1496.1							

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REFID 31 2124	YEAR 1972	BOTDP 04762	AIR TEMP 26.3	OIR HGT PER	WIND-DIR 23	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 08	SHIP BX	WET BULB 23.3	23 2 3	WIND-SPD 16	TRACE DIR	5 SQUARE 2
LAT 34 50 N	DAY 27	DATA USE 1	BAROMETR 1017.3	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 17 W	HOUR 12.7	AREA 05	CLOUD T/A 9/6	CL/TR	WEATHER X8	ORIG E76 003	1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	PC4	TOT P	NO2	NO3	SI03	PH
12.7	DBS	00000	26.71	36.453	23.93		1540.4							
12.7	DBS	00034	24.05	36.456	24.75		1534.8							
12.7	DBS	00064	19.65	36.504	26.02		1524.0							
12.7	DBS	00099	18.38	36.456	26.31		1520.9							
12.7	DBS	00128	18.01	36.435	26.39		1520.3							
12.7	DBS	00192	17.65	36.433	26.47		1520.3							
12.7	DBS	T00257	17.34	36.417	26.54		1520.5							
12.7	DBS	00385	16.22	36.221	26.65		1519.0							
12.7	DBS	00513	14.06	35.834	26.84		1513.8							
12.7	DBS	00647	11.58	35.490	27.07		1507.3							
12.7	DBS	00775	09.07	35.249	27.32		1500.0							
12.7	DBS	T01032	06.15											
12.7	DBS	T01288	05.17	35.098	27.75		1493.2							
12.7	DBS	01935	03.94	35.021	27.63		1498.9							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTOP 03064 AIR TEMP 24.7 DIR HGT PER WIND-OIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 08 SHIP BX WET BULB 22.3 00 0 X WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 28 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 12.3 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 CRIG E76 004 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.3	08S	00000	26.63	36.548	24.02		1540.3							
12.3	08S	00030	23.86	36.499	24.84		1534.3							
12.3	08S	00055	19.78	36.469	25.96		1524.2							
12.3	08S	00085	18.38	36.454	26.31		1520.7							
12.3	08S	00110	18.02	36.472	26.41		1520.1							
12.3	08S	00165	17.67	36.437	26.47		1520.0							
12.3	08S	00220	17.46	36.440	26.52		1520.3							
12.3	08S	00330	16.90	36.350	26.59		1520.3							
12.3	08S	00440	15.62	36.107	26.70		1517.9							
12.3	08S	00550	14.11	35.881	26.86		1514.6							
12.3	08S	T00600	11.66	35.520	27.08		1507.8							
12.3	08S	T00885	07.52											
12.3	08S	T01105	05.77	35.118	27.70		1492.6							
12.3	08S	01655	04.37	35.045	27.80		1496.0							

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REFID 31 2124 YEAR 1972 BOTOP C2785 AIR TEMP 26.0 DIR HGT PER WIND-OIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 08 SHIP BX WET BULB 23.4 27 1 2 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.5 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X2 CRIG E76 005 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.5	08S	00000	26.74	36.491	23.94		1540.5							
12.5	08S	00025	26.11	36.530	24.17		1539.5							
12.5	08S	00047	22.15	36.476	25.32		1530.3							
12.5	08S	00072	19.00	36.506	26.15		1522.3							
12.5	08S	00094	18.40	36.463	26.31		1520.9							
12.5	08S	00140	17.81	36.436	26.44		1520.0							
12.5	08S	T00187	17.51	36.399	26.46		1519.8							
12.5	08S	00279	17.19	36.393	26.55		1520.4							
12.5	08S	T00371	16.82	36.353	26.61		1520.7							
12.5	08S	00464	15.60	36.118	26.72		1518.3							
12.5	08S	T00556	14.36	35.922	26.84		1515.6							
12.5	08S	T00749	11.16											
12.5	08S	T00943	07.37	35.143	27.50		1496.2							
12.5	08S	T01451	04.80	35.095	27.79		1494.4							

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REFID 31 2124 YEAR 1972 BOTOP 03411 AIR TEMP 26.2 DIR HGT PER WIND-OIR 32 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 08 SHIP BX WET BULB 23.4 01 2 4 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 30 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 11 W HOUR 12.1 AREA 05 CLOUD T/A 9/2 CL/TR WEATHER X1 CRIG E76 006 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.1	08S	00000	26.76	36.553	23.95		1540.6							
12.1	08S	00025	25.25	36.568	24.47		1537.6							
12.1	08S	00050	21.51	36.568	25.56		1528.8							
12.1	08S	00074	19.31	36.521	26.12		1523.2							
12.1	08S	00099	18.77	36.521	26.26		1522.1							
12.1	08S	00149	17.86	36.429	26.42		1520.2							
12.1	08S	T00204	17.53	36.412	26.49		1520.2							
12.1	08S	00304	17.12	36.383	26.56		1520.6							
12.1	08S	T00404	16.48	36.275	26.63		1520.2							
12.1	08S	00509	14.81	35.989	26.79		1516.4							
12.1	08S	T00609	13.00	35.710	26.96		1511.8							
12.1	08S	T00809	09.16											
12.1	08S	01013	06.64	35.143	27.60		1494.5							
12.1	08S	T01523	04.57	35.061	27.75		1494.6							

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REFID 31 2124 YEAR 1972 BOTOP 03422 AIR TEMP 26.2 DIR HGT PER WIND-OIR 30 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 08 SHIP BX WET BULB 22.5 03 1 4 WIND-SPD 04 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 31 DATA USE 1 BAROMETR 1021.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 13 W HOUR 12.2 AREA 05 CLOUD T/A 9/4 CL/TR WEATHER X8 CRIG E76 007 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNPTH	SND VEL	OXYG	PJ4	TCT P	NO2	NO3	SI03	PH
12.2	08S	00000	26.98	36.436	23.63		1540.9							
12.2	08S	00025	26.21	36.471	24.10		1539.7							
12.2	08S	00051	20.88	36.483	25.67		1527.1							
12.2	08S	00076	18.92	36.507	26.21		1522.2							
12.2	08S	00102	18.16	36.442	26.35		1520.4							
12.2	08S	00152	17.76	36.432	26.45		1520.0							
12.2	08S	T00208	17.51	36.415	26.49		1520.2							
12.2	08S	00309	17.07	36.382	26.57		1520.5							
12.2	08S	T00409	16.46	36.265	26.63		1520.2							
12.2	08S	00515	14.73	35.955	26.78		1516.2							
12.2	08S	T00615	13.02	35.713	26.96		1511.9							
12.2	08S	T00817	08.62											
12.2	08S	T01023	06.44	35.113	27.61		1493.9							
12.2	08S	T01536	04.50	35.049	27.79		1494.5							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTOP 04312 AIR TEMP 26.2 OIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MCNTH 09 SHIP BX WET BULB 23.2 JO 0 A WIND-SPO 00 TRACE DIR 5 SQUARE 2  
 LAT 34 59 N DAY 01 DATA USE 1 BAROMETR 1017.3 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 046 14 W HOUR 12.5 AREA 05 CLOUD T/A 9/6 CL/TR WEATHER X5 CRIG E76 008 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
12.5	085	00000	26.82	36.433	25.88		1540.6							
12.5	085	00025	24.62	36.492	24.60		1536.0							
12.5	085	00050	20.40	36.415	25.75		1529.7							
12.5	085	00075	18.85	36.425	26.17		1521.8							
12.5	085	00100	18.23	36.420	26.32		1520.5							
12.5	085	00150	17.66	36.414	26.46		1519.7							
12.5	085	00204	17.45	36.392	26.45		1519.9							
12.5	085	00304	16.93	36.335	26.58		1519.9							
12.5	085	00403	16.23	36.144	26.59		1519.2							
12.5	085	00508	14.70	35.949	26.75		1515.9							
12.5	085	00607	12.92	35.695	26.97		1511.4							
12.5	085	00606	09.13											
12.5	085	T01010	06.45	35.129	27.62		1493.7							
12.5	085	T01520	04.58	35.053	27.75		1494.6							

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REFID 31 2124 YEAR 1972 BOTOP 04779 AIR TEMP 25.8 OIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MCNTH 09 SHIP BX WET BULB 22.9 01 2 3 WIND-SPO 19 TRACE DIR 5 SQUARE 2  
 LAT 34 52 N DAY 02 DATA USE 1 BAROMETR 1015.9 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.8 AREA 05 CLOUD T/A 9/8 CL/TR WEATHER X2 CRIG E76 009 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
12.8	085	00000	26.60	36.616	24.08		1540.3							
12.8	085	00031	25.26	36.609	24.50		1537.7							
12.8	085	00058	20.02	36.472	25.90		1524.9							
12.8	085	00090	18.43	36.495	26.33		1521.0							
12.8	085	00116	17.66	36.433	26.42		1519.7							
12.8	085	00175	17.53	36.402	26.48		1519.7							
12.8	085	T00233	17.29	36.390	26.53		1519.9							
12.8	085	00349	16.57	36.292	26.62		1519.5							
12.8	085	T00463	15.26	36.046	26.74		1517.1							
12.8	085	00561	13.12	35.715	26.94		1511.7							
12.8	085	T00693	11.03	35.430	27.12		1506.0							
12.8	085	T00915	07.29											
12.8	085	T01138	05.57	35.097	27.70		1492.3							
12.8	085	T01721	04.20	35.037	27.82		1496.4							

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REFID 31 2124 YEAR 1972 BOTOP 03497 AIR TEMP 24.4 OIR HGT PER WIND-DIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MCNTH 09 SHIP BX WET BULB 20.3 05 2 3 WIND-SPO 14 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 03 DATA USE 1 BAROMETR 1015.5 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 12.9 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 CRIG E76 010 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
12.9	085	00000	26.25	36.591	24.18		1539.5							
12.9	085	00032	24.00	36.573	24.85		1534.7							
12.9	085	00060	19.79	36.464	25.95		1524.3							
12.9	085	00092	18.58	36.473	26.27		1521.4							
12.9	085	00120	18.01	36.433	26.38		1520.2							
12.9	085	00180	17.70	36.432	26.46		1520.3							
12.9	085	T00240	17.44	36.404	26.50		1520.5							
12.9	085	00358	16.84	36.334	26.59		1520.6							
12.9	085	T00475	15.59	36.102	26.71		1518.4							
12.9	085	00594	13.47	35.770	26.91		1513.1							
12.9	085	T00708	11.12	35.445	27.12		1508.6							
12.9	085	T00936	07.00											
12.9	085	T01167	05.50	35.102	27.72		1492.5							
12.9	085	T01761	04.18	35.031	27.81		1497.0							

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REFID 31 2124 YEAR 1972 BOTOP 03777 AIR TEMP 24.0 OIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MCNTH 09 SHIP BX WET BULB 18.8 36 2 3 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 05 DATA USE 1 BAROMETR 1010.3 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 048 07 W HOUR 13.2 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 CRIG E76 011 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P04	TCT P	NO2	NO3	SI03	PH
13.2	085	00000	25.86	36.571	24.28		1538.6							
13.2	085	00027	25.84	36.564	24.28		1539.0							
13.2	085	00051	22.25	36.405	25.23		1530.5							
13.2	085	00077	19.57	36.513	25.94		1525.1							
13.2	085	00100	18.48	36.423	26.26		1521.2							
13.2	085	00147	17.74	36.408	26.43		1519.6							
13.2	085	T00194	17.42	36.386	26.45		1519.6							
13.2	085	00282	17.06	36.365	26.57		1520.0							
13.2	085	T00368	16.36	36.243	26.64		1519.2							
13.2	085	00456	15.35	36.083	26.75		1517.3							
13.2	085	T00539	14.28	35.935	26.87		1515.1							
13.2	085	T00720	10.87											
13.2	085	T00914	07.67	35.159	27.47		1496.9							
13.2	085	T01468	04.55	35.049	27.75		1493.6							

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TABLE IV.—Continued

REFID 31 2124 YEAR 1972 BOTDTP 03061 AIR TEMP 25.9 DIR HGT PER WIND-DIR 28 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 09 SHIP BX WET BULB 20.8 28 U 2 WIND-SPO 07 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 06 DATA USE 1 BAROMETR 1017.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 21.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER XI DRIG E76 012 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
21.1	OBS	00000	26.10	36.319	24.02		1538.8							
21.1	OBS	00024	25.83	36.580	24.30		1538.9							
21.1	OBS	00049	22.82	36.552	25.18		1532.1							
21.1	OBS	00074	19.44	36.499	26.07		1523.0							
21.1	OBS	00098	18.39	36.463	26.31		1521.0							
21.1	OBS	00148	17.66	36.420	26.46		1519.6							
21.1	OBS	T00202	17.41	36.404	26.51		1519.8							
21.1	OBS	00300	16.90	36.361	26.60		1519.8							
21.1	OBS	T00598	16.11	36.215	26.67		1518.9							
21.1	OBS	00501	15.14	36.070	26.78		1517.4							
21.1	OBS	T00598	13.68	35.846	26.93		1514.0							
21.1	OBS	00793	09.75											
21.1	OBS	T00992	07.08	35.190	27.58		1496.0							
21.1	OBS	T01489	04.57	35.059	27.75		1494.0							

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REFID 31 2124 YEAR 1972 BOTDTP 04252 AIR TEMP 25.2 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 09 SHIP BX WET BULB 21.2 24 U 2 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 07 DATA USE 1 BAROMETR 1019.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 12.4 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER XI DRIG E76 013 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
12.4	OBS	00000	25.78	36.382	24.17		1538.2							
12.4	OBS	00030	24.93	36.588	24.58		1536.9							
12.4	OBS	00055	20.32	36.457	25.81		1525.6							
12.4	OBS	00085	18.59	36.462	26.26		1521.3							
12.4	OBS	00110	18.05	36.447	26.38		1520.2							
12.4	OBS	00165	17.53	36.399	26.48		1519.5							
12.4	OBS	T00220	17.37	36.393	26.51		1519.9							
12.4	OBS	00329	16.86	36.341	26.59		1520.1							
12.4	OBS	00438	15.94	36.185	26.69		1519.0							
12.4	OBS	00547	14.58	35.960	26.82		1516.2							
12.4	OBS	T00656	12.37	35.616	27.01		1510.3							
12.4	OBS	T00877	08.25											
12.4	OBS	T01093	06.15	35.160	27.68		1493.9							
12.4	OBS	T01628	04.20	35.001	27.75		1494.7							

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REFID 31 2124 YEAR 1972 BOTDTP 04191 AIR TEMP 24.4 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 09 SHIP BX WET BULB 19.1 31 3 5 WIND-SPO 04 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 13 DATA USE 1 BAROMETR 1023.0 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 21.0 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER XI DRIG E76 014 1 SQUARE 57

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PD4	TOT P	NO2	NO3	SI03	PH
21.0	OBS	00000	26.06	36.543	24.20		1539.0							
21.0	OBS	00025	24.65	36.490	24.59		1536.1							
21.0	OBS	00050	20.21	36.456	25.83		1525.2							
21.0	OBS	00076	18.34	36.442	26.31		1520.4							
21.0	OBS	00101	17.84	36.428	26.42		1519.4							
21.0	OBS	00152	17.57	36.426	26.49		1519.4							
21.0	OBS	00207	17.41	36.413	26.52		1519.9							
21.0	OBS	00308	16.90	36.348	26.59		1519.9							
21.0	OBS	00409	16.04	36.182	26.66		1518.8							
21.0	OBS	00515	14.72	35.988	26.81		1516.2							
21.0	OBS	T00616	13.16	35.754	26.96		1512.5							
21.0	OBS	T00818	09.27											
21.0	OBS	T01025	06.32	35.122	27.63		1493.4							
21.0	OBS	T01541	04.57	35.007	27.75		1494.8							

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TABLE LV.—Continued

REFID 31 2124 YEAR 1972 BOTOP 04877 AIR TEMP 24.4 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 09 SHIP 8X WET BULB 19.7 34 2 4 WIND-SPO 04 TRACE DIR 5 SQUARE 2  
 LAT 34 42 N DAY 14 DATA USE 1 BAROMETR 1023.2 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.5 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E76 015 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.5	OBS	00000	26.01	36.484	24.17		1538.8							
12.5	OBS	00025	25.84	36.481	24.22		1538.8							
12.5	OBS	00050	21.04	36.537	25.67		1527.5							
12.5	OBS	00075	19.45	36.534	26.09		1523.7							
12.5	OBS	00100	18.49	36.484	26.30		1521.3							
12.5	OBS	00150	17.74	36.422	26.44		1519.9							
12.5	OBS	00305	16.98	36.358	26.58		1520.1							
12.5	OBS	T00405	16.33	36.245	26.65		1519.7							
12.5	OBS	00510	15.19	36.066	26.77		1517.7							
12.5	OBS	T00610	13.76	35.833	26.90		1514.4							
12.5	OBS	T00810	10.38											
12.5	OBS	T01015	06.56	35.091	27.57		1494.2							
12.5	OBS	T01525	04.55	35.050	27.79		1494.5							
16.0	OBS	T02037	03.72	34.980	27.82		1499.6							
16.0	OBS	T02548	03.31	34.567	27.85		1506.6							
16.0	OBS	03056	02.95	34.945	27.87		1513.8							
16.0	OBS	T03567	02.52	34.931	27.89		1520.9							
16.0	OBS	T04074	02.33											
16.0	OBS	T04744	02.26	34.888	27.88		1540.5							
16.0	OBS	04844	02.28	34.896	27.89		1542.4							

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REFID 31 2124 YEAR 1972 BOTOP 03602 AIR TEMP 25.3 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 09 SHIP 8X WET BULB 21.0 27 1 3 WIND-SPO 04 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 15 DATA USE 1 BAROMETR 1018.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 23.4 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E76 016 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
23.4	OBS	00000	26.02	36.530	24.20		1538.9							
23.4	OBS	00025	25.89	36.537	24.25		1539.0							
23.4	OBS	00051	22.06	36.529	25.38		1530.2							
23.4	OBS	00077	19.36	36.535	26.12		1523.4							
23.4	OBS	00102	18.47	36.476	26.30		1521.3							
23.4	OBS	00153	17.81	36.428	26.43		1520.2							
23.4	OBS	T00209	17.56	36.422	26.49		1520.3							
23.4	OBS	00310	17.14	36.407	26.58		1520.7							
23.4	OBS	T00411	16.51	36.268	26.62		1520.4							
23.4	OBS	00517	15.38	36.090	26.74		1518.4							
23.4	OBS	T00618	13.80	35.838	26.89		1514.7							
23.4	OBS	00819	09.59											
23.4	OBS	T01024	06.64	35.154	27.61		1494.7							
23.4	OBS	T01535	04.22	35.002	27.79		1493.3							

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REFID 31 2124 YEAR 1972 BOTOP 03900 AIR TEMP 25.4 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 09 SHIP 8X WET BULB 21.8 32 4 4 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
 LAT 35 14 N DAY 17 DATA USE 1 BAROMETR 1023.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 24 W HOUR 13.1 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E76 017 1 SQUARE 58

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.1	OBS	00000	25.79	36.127	23.97		1537.9							
13.1	OBS	00028	25.81	36.261	24.06		1538.6							
13.1	OBS	00052	21.97	36.343	25.27		1529.8							
13.1	OBS	00080	19.84	36.498	25.96		1524.8							
13.1	OBS	00104	18.72	36.488	26.25		1522.0							
13.1	OBS	00155	17.82	36.435	26.43		1520.2							
13.1	OBS	00207	17.56	36.421	26.49		1520.3							
13.1	OBS	00311	17.25	36.391	26.54		1521.1							
13.1	OBS	00415	16.51	36.270	26.62		1520.4							
13.1	OBS	00519	15.36	36.085	26.74		1518.4							
13.1	OBS	T00623	13.81	35.843	26.90		1514.8							
13.1	OBS	T00835	09.18											
13.1	OBS	T01043	06.53	35.136	27.61		1494.6							
13.1	OBS	T01562	04.24	35.014	27.79		1494.0							

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TABLE LVI.—Observed and interpolated oceanographic data for stations taken by USCGC WINNEBAGO at Ocean Station ECHO, 18 September 1972 - 8 October 1972, prepared from NODC listing No. 31 - 2086.

REFID 31 2086	YEAR 1972	BOTOP 03109	AIR TEMP 25.0	DIR FGT PER	WIND-DIR 28	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 09	SHIP NO	WET BULB 21.6	28 0 2	WIND-SPO 06	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 19	DATA USE 1	BAROMETR 1024.1	SEA	WIND-FGR	DURATION	2 SQUARE 48
LONG 048 03 W	HOUR 12.8	AREA 05	CLOUD T/A 8/6	CL/TR /34	WEATHER X1	ORIG E77 001	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.8	08S	00000	26.02	36.366	24.08		1538.7							
12.8	08S	00025	26.03	36.378	24.08		1539.2							
12.8	08S	00050	20.90	36.451	25.64		1527.1							
12.8	08S	00075	19.02	36.412	26.11		1522.3							
12.8	08S	00100	18.23	36.393	26.30		1520.5							
12.8	08S	00150	17.68	36.369	26.42		1519.7							
12.8	08S	T00205	17.52	36.366	26.45		1520.1							
12.8	08S	00305	17.02	36.316	26.54		1520.2							
12.8	08S	00405	16.11	36.158	26.63		1518.9							
12.8	08S	T00510	14.93	35.967	26.75		1516.7							
12.8	08S	00610	13.88	35.802	26.85		1514.8							
12.8	08S	T00810	10.44	35.358	27.17		1505.7							
12.8	08S	T01015	06.91	35.088	27.52		1495.5							
12.8	08S	01525	04.91	35.031	27.73		1496.0							

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REFID 31 2086	YEAR 1972	BOTOP 02560	AIR TEMP	DIR FGT PER	WIND-DIR	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 09	SHIP NO	WET BULB	35 3 2	WIND-SPO	TRACE DIR	5 SQUARE 4
LAT 35 09 N	DAY 20	DATA USE 1	BAROMETR	SEA	WIND-FGR	DURATION	2 SQUARE 48
LONG 048 10 W	HOUR 18.7	AREA 05	CLOUD T/A	CL/TR	WEATHER	ORIG E77 002	1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
18.7	08S	00000	26.12	36.323	24.01		1538.9							
18.7	08S	00026	25.90	36.332	24.05		1538.8							
18.7	08S	00048	22.62	36.401	25.12		1531.4							
18.7	08S	00074	19.31	36.475	26.09		1523.2							
18.7	08S	00097	18.46	36.436	26.27		1521.1							
18.7	08S	00146	17.59	36.358	26.43		1519.3							
18.7	08S	T00196	17.43	36.345	26.46		1519.7							
18.7	08S	00296	16.96	36.309	26.55		1519.9							
18.7	08S	00398	16.16	36.167	26.63		1519.0							
18.7	08S	T00501	14.88	35.953	26.75		1516.4							
18.7	08S	T00604	13.67	35.770	26.87		1514.0							
18.7	08S	T00819	10.06	35.308	27.20		1504.5							

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REFID 31 2086	YEAR 1972	BOTOP 04764	AIR TEMP 25.3	DIR FGT PER	WIND-DIR 35	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 09	SHIP NO	WET BULB 22.3	35 3 2	WIND-SPO 23	TRACE DIR	5 SQUARE 2
LAT 34 54 N	DAY 21	DATA USE 1	BAROMETR 1020.2	SEA	WIND-FGR	DURATION	2 SQUARE 48
LONG 048 04 W	HOUR 12.7	AREA 05	CLOUD T/A 3/6	CL/TR	WEATHER X1	ORIG E77 003	1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.7	08S	00000	26.43	36.325	23.92		1539.0							
12.7	08S	00029	23.65	36.418	24.84		1533.7							
12.7	08S	00053	19.55	36.401	25.97		1523.4							
12.7	08S	00082	18.42	36.409	26.26		1520.7							
12.7	08S	00107	18.10	36.396	26.33		1520.2							
12.7	08S	00161		36.388										
12.7	08S	T00214	17.46	36.341	26.45		1520.0							
12.7	08S	00323	17.01	36.302	26.53		1520.4							
12.7	08S	00434	16.15	36.166	26.63		1519.5							
12.7	08S	T00549	14.54	35.908	26.79		1516.1							
12.7	08S	T00663	13.00	35.669	26.93		1512.6							
12.7	08S	T00897	08.49	35.140	27.33		1499.7							
12.7	08S	T01137	06.04	35.068	27.62		1494.1							
12.7	08S	T01761	04.10	34.952	27.76		1496.5							

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TABLE LVI.—Continued

REFID 31 2086 YEAR 1972 BOTOP 03475 AIR TEMP 24.7 DIR HGT PER WIND-OIR 36 INST NANSEN CAST TEN SO 1206  
 CONSEC 0004 MONTH 09 SHIP NO WET BULB 18.5 36 7 4 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 22 DATA USE 1 BAROMETR 1023.5 SEA WIND-FDR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 16.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 DRIG E77 004 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
16.5	08S	00000	25.85	36.340	24.11		1536.3							
16.5	08S	00032	22.94	36.422	25.05		1532.0							
16.5	08S	00060	18.96	36.396	26.12		1521.9							
16.5	08S	00092	18.36	36.390	26.26		1520.7							
16.5	08S	00120	18.09	36.422	26.36		1520.4							
16.5	08S	00180	17.68	36.380	26.42		1520.2							
16.5	08S	T00240	17.36	36.343	26.47		1520.2							
16.5	08S	00361	16.79	36.276	26.56		1520.4							
16.5	08S	00481	15.66	36.088	26.68		1518.7							
16.5	08S	T00607	14.04	35.823	26.83		1515.3							
16.5	08S	T00728	12.22	35.550	26.95		1510.9							
16.5	08S	T00972	07.36	35.069	27.44		1496.6							
16.5	08S	T01218	05.66	35.080	27.68		1494.0							

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REFID 31 2086 YEAR 1972 BOTOP 02743 AIR TEMP 23.4 DIR HGT PER WIND-OIR 02 INST NANSEN CAST TEN SO 1206  
 CONSEC 0005 MONTH 09 SHIP NO WET BULB 18.7 02 3 4 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 23 DATA USE 1 BAROMETR 1024.1 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 08 W HOUR 12.8 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 DRIG E77 005 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	S103	PH
12.8	08S	00000	25.77	36.301	24.11		1538.1							
12.8	08S	00020	25.77	36.301	24.11		1538.4							
12.8	08S	00039	22.54	36.514	25.23		1531.2							
12.8	08S	00059	19.34	36.436	26.05		1523.0							
12.8	08S	00078	18.27	36.456	26.34		1520.3							
12.8	08S	00117	17.78	36.435	26.44		1519.5							
12.8	08S	T00160	17.57	36.410	26.47		1519.6							

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REFID 31 2086 YEAR 1972 BOTOP 05109 AIR TEMP 24.7 DIR HGT PER WIND-OIR 06 INST NANSEN CAST TEN SO 1206  
 CONSEC 0006 MONTH 09 SHIP NO WET BULB 19.8 06 3 4 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 27 DATA USE 1 BAROMETR 1023.2 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 13.9 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 DRIG E77 006 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TCT P	NO2	NO3	S103	PH
13.9	08S	00000	25.18	36.284	24.28		1536.7							
13.9	08S	00024	25.19	36.288	24.28		1537.1							
13.9	08S	00045	25.16	36.278	24.28		1537.4							
13.9	08S	00069	21.27	36.516	25.59		1528.4							
13.9	08S	00089	19.96	36.476	25.92		1525.2							
13.9	08S	00133	18.26	36.447	26.33		1521.2							
13.9	08S	00177	17.68	36.425	26.46		1520.2							
13.9	08S	00266	17.22	36.385	26.54		1520.2							
13.9	08S	00354	16.77	36.325	26.60		1520.3							
13.9	08S	00442	15.86	36.138	26.67		1516.7							
13.9	08S	00530	14.88	35.488	26.76		1516.9							
13.9	08S	T00709	12.14											
13.9	08S	T00684	08.52											

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REFID 31 2086 YEAR 1972 BOTOP 04206 AIR TEMP 25.0 DIR HGT PER WIND-OIR 08 INST NANSEN CAST TEN SO 1206  
 CONSEC 0007 MONTH 09 SHIP NO WET BULB 21.0 07 2 3 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 28 DATA USE 1 BAROMETR 1022.9 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 15.6 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 DRIG E77 007 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
15.6	08S	00000	25.18	36.341	24.32		1536.7							
15.6	08S	00025	25.00	36.334	24.37		1536.7							
15.6	08S	00046	24.33	36.342	24.58		1535.5							
15.6	08S	00070	19.57	36.483	25.92		1524.9							
15.6	08S	00091	18.74	36.451	26.21		1521.8							
15.6	08S	00137	17.91	36.443	26.42		1520.2							
15.6	08S	T00182	17.62	36.409	26.46		1520.1							
15.6	08S	00273	17.20	36.387	26.55		1520.3							
15.6	08S	00364	16.40	36.265	26.64		1519.2							
15.6	08S	T00456	15.72	36.144	26.71		1518.5							
15.6	08S	00549	14.77	35.985	26.80		1516.9							
15.6	08S	T00742	11.69	35.507	27.06		1509.2							
15.6	08S	T00934	08.16	35.233	27.45		1499.2							
15.6	08S	T01438	04.89	35.074	27.77		1494.5							

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TABLE LVI.—Continued

REFID 31 2086	YEAR 1972	BOTOP 04660	AIR TEMP 22.8	DIP HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0008	MONTH 10	SHIP WD	WET BULB 21.1	15 2 3	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 02 N	DAY 02	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION	2 SQUARE 46
LDNG 047 53 W	HOOR 16.3	AREA 05	CLOUD T/A 8/4	CL/TR	WEATHER X1	DRIG E77 008	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
16.3	085	00000	24.71	36.207	24.36		1535.5							
16.3	085	00025	24.61	36.212	24.40		1535.7							
16.3	085	00047	22.10	36.447	25.31		1530.1							
16.3	085	00072	20.30	36.467	25.82		1525.8							
16.3	085	00093	19.19	36.463	26.11		1523.1							
16.3	085	00140		36.459										
16.3	085	T00187	17.77	36.403	26.42		1520.6							
16.3	085	00282	17.42	36.371	26.48		1521.1							
16.3	085	00378	16.96	36.319	26.55		1521.2							
16.3	085	00476	16.21	36.179	26.62		1520.4							
16.3	085	00573	14.64	35.899	26.76		1516.8							
16.3	085	T00772	10.62	35.335	27.12		1505.7							
16.3	085	00972	07.52	35.079	27.43		1497.2							
16.3	085	T01479	04.80	35.048	27.76		1494.8							

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REFID 31 2086	YEAR 1972	BOTOP 03840	AIR TEMP 25.8	DIP HGT PER	WIND-DIR 15	INST NANSEN CAST	TEN SQ 1206
CONSEC 0009	MONTH 10	SHIP WD	WET BULB 22.8	18 3 3	WIND-SPD 15	TRACE DIR	5 SQUARE 4
LAT 35 04 N	DAY 03	DATA USE 1	BAROMETR 1023.4	SEA	WIND-FOR	DURATION	2 SQUARE 46
LDNG 047 58 W	HOOR 12.8	AREA 05	CLOUD T/A 8/3	CL/TR	WEATHER X1	GRIG E77 009	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PO4	TGT P	NO2	NO3	SI03	PH
12.8	085	00000	24.74	36.383	24.45		1535.8							
12.8	085	00027	24.72	36.436	24.53		1536.2							
12.8	085	00050	22.26	36.483	25.65		1530.6							
12.8	085	00077	20.53	36.464	25.75		1526.5							
12.8	085	00101	18.78	36.426	26.18		1522.1							
12.8	085	T00205	17.82	36.422	26.42		1521.0							
12.8	085	00312	17.37	36.396	26.51		1521.4							
12.8	085	00422	16.83											
12.8	085	00538	15.30	36.017	26.71		1518.4							
12.8	085	00652	13.89	35.792	26.84		1515.5							
12.8	085	00885	08.41	35.087	27.30		1499.2							
12.8	085	T01121	05.63	35.038	27.65		1492.2							
12.8	085	T01733	04.09	34.967	27.77		1486.0							

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TABLE LVII.—Observed and interpolated oceanographic data for stations taken by USCGC ANDROSCOGGIN at Ocean Station ECHO, 23 November 1972 - 16 December 1972, prepared from NODC listing No. 31 - 2132.

REFID 31 2132	YEAR 1972	BUTOP 02215	AIR TEMP 19.6	DIR HGT PER	WIND-DIR 04	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 11	SHIP A1	WET BULB 14.3	27 3 2	WIND-SPD 13	TRACE DIR	5 SQUARE 4
LAT 35 10 N	DAY 26	DATA USE 1	BAROMETR 1029.1	SEA	WIND-FOR	DURATION	2 SQUARE 46
LONG 047 47 W	HOUR 13.5	AREA 05	CLOUD T/A 6/7	CL/TR	WEATHER X1	DRIG E78 001	1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.5	085	00000	21.83	36.273	25.25		1528.5							
13.5	085	00027	21.83	36.282	25.26		1528.9							
13.5	085	00049	21.86	36.274	25.24		1529.4							
13.5	085	00075	21.85	36.273	25.25		1529.8							
13.5	085	00097	21.65	36.370	25.38		1529.7							
13.5	085	00145	19.45	36.505	26.07		1524.8							
13.5	085	00194	18.40	36.457	26.30		1522.6							
13.5	085	00290	17.78	36.414	26.43		1522.3							
13.5	085	00386	17.44	36.408	26.49		1523.0							
13.5	085	00484	16.78	36.301	26.58		1522.4							
13.5	085	T00581	15.04	35.982	26.74		1518.3							
13.5	085	T00782	10.31	35.307	27.16		1504.8							
13.5	085	T00974	06.31	35.020	27.55		1492.5							
13.5	085	T01472	04.46	34.998	27.76		1493.2							

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REFID 31 2132	YEAR 1972	BUTOP 01754	AIR TEMP 20.0	DIR HGT PER	WIND-DIR 12	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 11	SHIP A1	WET BULB 15.0	11 3 2	WIND-SPD 20	TRACE DIR	5 SQUARE 4
LAT 35 13 N	DAY 27	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION	2 SQUARE 43
LONG 048 11 W	HOUR 17.6	AREA 05	CLOUD T/A 6/6	CL/TR 7/0	WEATHER X1	DRIG E78 002	1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
17.6	085	00000	21.77	36.272	25.27		1528.3							
17.6	085	00031	21.73	36.276	25.28		1528.7							
17.6	085	00058	21.76	36.264	25.27		1529.2							
17.6	085	00090	21.53	36.285	25.34		1529.2							
17.6	085	00117	21.20	36.311	25.47		1528.8							
17.6	085	00175	19.14	36.503	26.14		1524.5							
17.6	085	00233	18.11	36.435	26.36		1522.3							
17.6	085	00350	17.51	36.405	26.45		1522.5							
17.6	085	T00466	16.63	36.272	26.60		1521.6							
17.6	085	00587	14.72	35.939	26.77		1517.3							
17.6	085	00704	12.34	35.579	26.98		1511.1							
17.6	085	T00939	06.94	35.046	27.48		1494.3							
17.6	085	T01178	05.06	35.022	27.71		1490.8							

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REFID 31 2132	YEAR 1972	BUTOP 02200	AIR TEMP 20.9	DIR HGT PER	WIND-DIR 08	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 11	SHIP A1	WET BULB 17.2	11 3 3	WIND-SPD 08	TRACE DIR	5 SQUARE 4
LAT 35 17 N	DAY 28	DATA USE 1	BAROMETR 1032.2	SEA	WIND-FOR	DURATION	2 SQUARE 48
LONG 048 10 W	HOUR 18.5	AREA 05	CLOUD T/A H/H	CL/TR	WEATHER X2	DRIG E78 003	1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	OYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
18.5	085	00000	21.64	36.275	25.31		1528.0							
18.5	085	00029	21.58	36.276	25.32		1528.3							
18.5	085	00053	21.50	36.285	25.35		1528.5							
18.5	085	00083	21.31	36.310	25.42		1528.5							
18.5	085	00107	21.11	36.353	25.51		1528.4							
18.5	085	00161	19.62	36.509	26.03		1525.5							
18.5	085	T00214	18.30	36.443	26.32		1522.6							
18.5	085	00322	17.60	36.420	26.48		1522.3							
18.5	085	T00429	16.92	36.328	26.57		1522.0							
18.5	085	00537	15.16	36.303	26.73		1517.9							
18.5	085	00645	13.42	35.729	26.89		1513.8							
18.5	085	00865	07.96	35.072	27.36		1497.1							
18.5	085	T01081	06.01	35.099	27.65		1493.1							
18.5	085	01621	04.14	34.997	27.79		1494.4							

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TABLE LVII.—Continued

REFID 31 2132 YEAR 1972 BOTOP 03418 AIR TEMP 21.1 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 11 SHIP A1 WET BULB 18.9 27 2 2 WIND-SPD 07 TRACE DIR 5 SQUARE 4  
 LAT 35 14 N DAY 30 DATA USE 1 BAROMETR 1026.8 SEA WIND-FUR 04 DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 13.0 AREA 05 CLOUD T/A 4/4 CL/TR WEATHER X1 ORIG E78 004 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SIO3	PH
13.0	085	00000	21.67	36.308	25.32		1528.1							
13.0	085	00025		36.308										
13.0	085	00050	21.64	36.305	25.33		1528.8							
13.0	085	00075	21.64	36.302	25.33		1529.2							
13.0	085	00099	21.56	36.327	25.37		1529.5							
13.0	085	00149	18.96	36.492	26.19		1523.5							
13.0	085	00204	18.24	36.448	26.34		1522.3							
13.0	085	00303	17.62	36.420	26.47		1522.1							
13.0	085	00402	17.02	36.347	26.56		1521.8							
13.0	085	00507	15.81	36.126	26.67		1519.6							
13.0	085	00606	14.26	35.861	26.81		1516.0							
13.0	085	00805	09.73	35.230	27.20		1502.9							
13.0	085	T01008	05.96	35.014	27.59		1491.6							
13.0	085	T01515	04.35	35.001	27.77		1493.5							

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REFID 31 2132 YEAR 1972 BOTOP 04264 AIR TEMP 24.0 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 12 SHIP A1 WET BULB 21.9 12 2 2 WIND-SPD 00 TRACE DIR 5 SQUARE 2  
 LAT 34 36 N DAY 01 DATA USE 1 BAROMETR 1026.8 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.9 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER X1 ORIG E73 005 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SIO3	PH
12.9	085	00000	21.64	36.288	25.32		1526.0							
12.9	085	00024	21.56	36.293	25.34		1528.2							
12.9	085	00049	21.57	36.300	25.34		1528.6							
12.9	085	00073	21.53	36.304	25.36		1528.7							
12.9	085	00098	20.74	36.489	25.72		1527.5							
12.9	085	00146	18.97	36.489	26.18		1523.4							
12.9	085	T00200	18.08	36.447	26.38		1521.7							
12.9	085	00298	17.54	36.418	26.49		1521.7							
12.9	085	00396	16.08	36.328	26.58		1521.3							
12.9	085	00500	15.51	36.081	26.71		1518.5							
12.9	085	00598	13.87	35.795	26.85		1514.0							
12.9	085	T00796	09.74	35.246	27.21		1502.8							
12.9	085	T01001	06.45	35.068	27.57		1493.5							
12.9	085	01511		35.024										
16.6	085	T01955	03.80	34.989	27.82		1498.6							
16.6	085	T02462	03.41	34.980	27.85		1505.6							
16.6	085	T02965	02.93	34.952	27.87		1512.4							
16.6	085	T03475	02.62	34.927	27.88		1519.7							

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REFID 31 2132 YEAR 1972 BOTOP 04864 AIR TEMP 22.8 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 12 SHIP A1 WET BULB 18.9 27 2 2 WIND-SPD 19 TRACE DIR 5 SQUARE 2  
 LAT 34 43 N DAY 02 DATA USE 1 BAROMETR 1025.7 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 13.3 AREA 05 CLOUD T/A 3/6 CL/TR WEATHER X1 ORIG E78 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	P14	TOT P	NO2	NO3	SIO3	PH
13.3	085	00000	21.67	36.284	25.36		1528.1							
13.3	085	00032	21.61	36.282	25.32		1528.4							
13.3	085	00060	21.40	36.295	25.35		1528.4							
13.3	085	00093	21.26	36.308	25.44		1528.6							
13.3	085	00121	19.96	36.519	25.95		1525.8							
13.3	085	00181	18.37	36.456	26.31		1522.3							
13.3	085	00242	17.84	36.424	26.42		1521.7							
13.3	085	00363	17.47	36.400	26.49		1522.6							
13.3	085	00485	16.33	36.269	26.65		1521.2							
13.3	085	00611	14.52	35.899	26.75		1517.0							
13.3	085	00733	11.13	35.402	27.09		1506.9							
13.3	085	T00977	06.45	35.060	27.56		1493.1							
13.3	085	T01225	05.33	35.045	27.73		1492.8							
13.3	085	T01662	03.95	34.966	27.80		1497.6							

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TABLE LVII.—Continued

REF ID 21 2132 YEAR 1972 BOTOP 05572 AIR TEMP 21.3 UIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 12 SHIP A1 WET BULB 19.1 25 2 2 WIND-SPO 10 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 03 DATA USE 1 BAROMETR 1025.4 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 00 W HOUR 12.6 AREA 05 CLOUD T/A 7/8 CL/TR /25 WEATHER X2 ORIG E78 007 1 SQUARE 48

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.6	085	00000	21.62	36.269	25.31		1527.9							
12.6	085	00029	21.60	36.280	25.32		1528.4							
12.6	085	00052	21.64	36.285	25.31		1528.8							
12.6	085	00081	21.55	36.309	25.36		1529.1							
12.6	085	00104	20.70	36.334	25.77		1527.5							
12.6	085	00208	19.82	36.599	26.05		1526.9							
12.6	085	00312	17.81	36.434	26.43		1522.8							
12.6	085	00417	17.15	36.357	26.54		1522.5							
12.6	085	00521	15.59	36.072	26.68		1519.1							
12.6	085	00627	13.60	35.747	26.87		1514.1							
12.6	085	T00843	08.60	35.130	27.30		1499.2							
12.6	085	T01055	05.78	35.048	27.64		1491.7							
12.6	085	T01594	04.29	34.998	27.78		1494.5							

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REF ID 31 2132 YEAR 1972 BOTOP 03975 AIR TEMP 20.8 UIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 12 SHIP A1 WET BULB 19.9 25 2 2 WIND-SPO 11 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 04 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 01 W HOUR 13.0 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X2 ORIG E78 008 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	21.59	36.333	25.36		1527.9							
13.0	085	00026	21.69	36.429	25.41		1528.7							
13.0	085	00048	21.81	36.476	25.41		1529.4							
13.0	085	00075	21.77	36.530	25.46		1529.8							
13.0	085	00097	20.13	36.501	25.89		1525.8							
13.0	085	00145		36.477										
13.0	085	00193	18.19	36.443	26.35		1521.9							
13.0	085	00290	17.56	36.406	26.47		1521.7							
13.0	085	00386	17.05	36.350	26.56		1521.7							
13.0	085	00483		36.089										
13.0	085	00580	14.22	35.364	26.83		1515.5							
13.0	085	00778	09.84	35.246	27.19		1502.9							
13.0	085	T00971	06.34	35.022	27.55		1492.5							
13.0	085	T01472	04.43	35.005	27.77		1493.1							

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REF ID 31 2132 YEAR 1972 BOTOP 02507 AIR TEMP 21.3 UIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 12 SHIP A1 WET BULB 19.4 27 2 2 WIND-SPO 13 TRACE DIR 5 SQUARE 4  
 LAT 35 12 N DAY 05 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR 2 SQUARE 48  
 LONG 047 58 W HOUR 12.8 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E78 009 1 SQUARE 57

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	21.65	36.462	25.45		1528.2							
12.8	085	00027	21.55	36.462	25.47		1528.4							
12.8	085	00049	21.53	36.467	25.47		1528.3							
12.8	085	00076	20.33	36.500	25.84		1526.0							
12.8	085	00093	19.67	36.507	26.02		1524.6							
12.8	085	00147	18.74	36.471	26.23		1522.8							
12.8	085	00196	18.01	36.440	26.39		1521.5							
12.8	085	00294	17.45	36.394	26.49		1521.4							
12.8	085	00392	16.81	36.309	26.56		1521.0							
12.8	085	00490	15.84	36.151	26.68		1519.6							
12.8	085	00584	14.20	35.861	26.83		1515.5							
12.8	085	T00790	09.16	35.170	27.24		1500.5							
12.8	085	T00992	06.31	35.090	27.60		1492.8							
12.8	085	T01511	03.90	34.993	27.81		1491.5							

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REF ID 31 2132 YEAR 1972 BOTOP 01792 AIR TEMP 21.2 UIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 12 SHIP A1 WET BULB 18.8 12 1 2 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
 LAT 35 17 N DAY 09 DATA USE 1 BAROMETR 1026.8 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 16 W HOUR 13.4 AREA 05 CLOUD T/A 8/7 CL/TR /23 WEATHER X1 ORIG E78 010 1 SQUARE 58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.4	085	00000	21.37	36.387	25.47		1527.4							
13.4	085	00027	21.36	36.392	25.47		1527.8							
13.4	085	00050	20.83											
13.4	085	00077	20.52											
13.4	085	00100	19.71	36.507	26.01		1524.7							
13.4	085	00151	18.09	36.415	26.35		1520.9							
13.4	085	00200	17.55	36.377	26.45		1520.1							
13.4	085	00300	16.74	36.276	26.57		1519.2							
13.4	085	T00400	15.34	36.026	26.70		1516.3							
13.4	085	00497	14.37	35.907	26.83		1514.6							
13.4	085	00593	12.96	35.690	26.95		1511.3							
13.4	085	00783	09.01	35.228	27.31		1499.9							
13.4	085	T00960	06.32	35.047	27.57		1492.3							
13.4	085	T01366	04.45	34.990	27.75		1491.4							

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TABLE LVII.—Continued

REFID 31 2132	YEAR 1972	BOTDP 04241	AIR TEMP 21.7	DIR HGT PER	WIND-DIR 22	INST NANSEN CAST	TEN SQ 1206
CONSEC 0011	MONTH 12	SHIP A1	WET BULB 17.4	29 2 2	WIND-SPO 10	TRACE DIR	5 SQUARE 4
LAT 35 03 N	DAY 10	DATA USE 1	BAROMETR 1022.0	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 52 W	HUUK 19.1	AREA 05	CLUUD T/A 8/4	CL/TR	WEATHER Xb	ORIG ETR 011	1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NU2	NU3	SIO3	PH
19.1	OBS	00000	21.44	36.383	25.44		1527.6							
19.1	OBS	00022		36.381										
19.1	OBS	00041	21.31											
19.1	OBS	00063	21.33											
19.1	OBS	00081	20.98	36.412	25.59		1527.7							
19.1	OBS	00121	19.02	36.482	26.17		1523.2							
19.1	OBS	00162	18.12	36.432	26.36		1521.2							
19.1	OBS	00242	17.44	36.383	26.49		1520.5							
19.1	OBS	00322	17.06	36.450	26.55		1520.6							
19.1	OBS	00403	16.24	36.212	26.64		1519.3							
19.1	OBS	00482	15.14	36.012	26.74		1517.0							
19.1	OBS	T00645	13.21	35.732	26.93		1513.1							
19.1	OBS	T00806	09.21	35.180	27.24		1501.0							
19.1	OBS	T01229	04.98											

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TABLE LVIII.—Observed and interpolated oceanographic data for stations taken by USCGC WINNEBAGO at Ocean Station ECHO, 16 December 1972 - 7 January 1973, prepared from NODC listing No. 31 -2133.

REFID	31	2133	YEAR	1972	BOTDP	04755	AIR TEMP	18.5	DIR HGT PER	WIND-DIR	24	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0001	MONTH	12	SHIP NO		NET BULB	16.5	49 2 X	WIND-SPD	10	TRACE DIR		5 SQUARE	2
LAT	34	50 N	DAY	21	DATA USE	1	BAROMETR	1029.1	SEA	WIND-FOR		DURATION		2 SQUARE	48
LONG	048	12 W	HOOR	00.3	AREA	05	CLOUD T/A	8/4	CL/TR	WEATHER	X1	ORIG E79 001		1 SQUARE	48

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
00.3	08S	00000	19.78	36.330	25.85		1523.1							
00.3	08S	00023	19.83	36.348	25.85		1523.6							
00.3	08S	00046	19.82											
00.3	08S	00069	19.79	36.348	25.86		1524.3							
00.3	08S	00092	19.79	36.346	25.86		1524.6							
00.3	08S	00117	18.76	36.474	26.23		1522.7							
00.3	08S	T00187	18.09	36.442	26.37		1521.5							
00.3	08S	00277	17.46											
00.3	08S	T00366	16.78	36.310	26.54		1520.5							
00.3	08S	00460	15.36	36.052	26.72		1517.4							
00.3	08S	00549	14.52	35.923	26.81		1516.0							
00.3	08S	00728		35.405										
00.3	08S	T00914	07.40	35.091	27.45		1495.8							

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REFID	31	2133	YEAR	1972	BOTDP	03292	AIR TEMP	18.6	DIR HGT PER	WIND-DIR	25	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0002	MONTH	12	SHIP NO		NET BULB	16.3	25 1 2	WIND-SPD	06	TRACE DIR		5 SQUARE	4
LAT	35	10 N	DAY	22	DATA USE	1	BAROMETR	1029.5	SEA	WIND-FOR		DURATION		2 SQUARE	48
LONG	048	02 W	HOOR	12.3	AREA	05	CLOUD T/A	8/2	CL/TR	WEATHER	X1	ORIG E79 002		1 SQUARE	58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	19.72	36.348	25.88		1522.9							
12.3	08S	00024	19.62	36.348	25.91		1523.1							
12.3	08S	00048	19.61	36.351	25.91		1523.4							
12.3	08S	00072	19.58	36.347	25.92		1523.7							
12.3	08S	00095	19.51	36.321	25.92		1523.9							
12.3	08S	00143	19.51	36.331	25.92		1524.7							
12.3	08S	T00195	17.98	36.438	26.40		1521.4							
12.3	08S	00290	17.40	36.395	26.50		1521.2							
12.3	08S	T00384	16.69	36.273	26.58		1520.5							
12.3	08S	00483	15.13	36.052	26.77		1517.0							
12.3	08S	T00763	09.92	35.285	27.21		1503.0							

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REFID	31	2133	YEAR	1972	BOTDP	04572	AIR TEMP		DIR HGT PER	WIND-DIR		INST NANSEN	CAST	TEN SQ	1206
CONSEC		0003	MONTH	12	SHIP NO		NET BULB			WIND-SPD		TRACE DIR		5 SQUARE	4
LAT	35	00 N	DAY	22	DATA USE	1	BAROMETR		SEA	WIND-FOR		DURATION		2 SQUARE	48
LONG	048	05 W	HOOR	18.3	AREA	05	CLOUD T/A		CL/TR	WEATHER		ORIG E79 003		1 SQUARE	58

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
18.3	08S	T02510	03.30	34.976	27.86		1505.4							
18.3	08S	T03009	02.97	34.937	27.86		1512.6							
18.3	08S	03514		34.922										
18.3	08S	T04013	02.30	34.893	27.88		1527.2							

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REFID	31	2133	YEAR	1972	BOTDP	03749	AIR TEMP		DIR HGT PER	WIND-DIR	20	INST NANSEN	CAST	TEN SQ	1206
CONSEC		0004	MONTH	12	SHIP NO		NET BULB			WIND-SPD	10	TRACE DIR		5 SQUARE	2
LAT	34	59 N	DAY	23	DATA USE	1	BAROMETR		SEA	WIND-FOR		DURATION		2 SQUARE	46
LONG	047	58 W	HOOR	12.2	AREA	05	CLOUD T/A	8/3	CL/TR	WEATHER	X1	ORIG E79 004		1 SQUARE	47

CASTNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	19.33	36.282	25.93		1521.8							
12.2	08S	00028	19.37	36.279	25.92		1522.4							
12.2	08S	00051	19.41	36.284	25.91		1522.9							
12.2	08S	00079	19.33	36.275	25.93		1523.1							
12.2	08S	00102	19.34	36.276	25.91		1523.6							
12.2	08S	00154	18.83	36.424	26.17		1523.1							
12.2	08S	00205	18.00	36.444	26.39		1521.6							
12.2	08S	00306	17.36	36.385	26.51		1521.3							
12.2	08S	T00405	16.26	36.203	26.63		1519.4							
12.2	08S	00504	14.32	35.880	26.82		1514.6							
12.2	08S	T00599	12.71	35.680	27.00		1510.6							
12.2	08S	T00787	09.34	35.280	27.30		1501.3							
12.2	08S	T00958	06.34	35.046	27.57		1492.3							
12.2	08S	T01378	04.40	35.305	27.77		1491.4							

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TABLE LVIII.—Continued

REFID 31 2133 YEAR 1972 BOTOP 03840 AIR TEMP 22.2 DIR HGT PER WIND-DIR 23 INST NANSEN Cst TEN SQ 1206  
 CONSEC 0005 MONTH 12 SHIP NO WET BULB 21.7 25 0 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 24 DATA USE 1 BAROMETR 1024.3 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 13.3 AREA 05 CLOUD T/A 7/4 CL/TR WEATHER XI ORIG E79 005 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
13.3	DBS	00000	19.72	36.345	25.88		1522.9							
13.3	DBS	00027	19.76	36.341	25.87		1523.5							
13.3	DBS	00349	19.75	36.341	25.87		1523.8							
13.3	DBS	00076	19.72	36.349	25.88		1524.2							
13.3	DBS	00098	19.75	36.347	25.87		1524.6							
13.3	DBS	00146	18.88	36.476	26.20		1523.2							
13.3	DBS	00195	18.12	36.479	26.39		1521.8							
13.3	DBS	00288	17.41	36.397	26.50		1521.2							
13.3	DBS	T00378	16.70	36.299	26.60		1520.4							
13.3	DBS	00467	15.31	36.042	26.72		1517.3							
13.3	DBS	T00550	14.07	35.847	26.84		1514.5							
13.3	DBS	00710	09.56	35.245	27.24		1500.8							
13.3	DBS	T00889	07.52	35.117	27.46		1495.9							
13.3	DBS	T01111	04.29	35.006	27.78		1491.5							

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REFID 31 2133 YEAR 1972 BOTOP 02195 AIR TEMP 17.8 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 12 SHIP NO WET BULB 17.2 11 2 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 26 DATA USE 1 BAROMETR 1014.3 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 12.7 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X5 ORIG E79 006 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
12.7	DBS	00000	19.63	36.312	25.88		1522.7							
12.7	DBS	00027	19.69	36.314	25.86		1523.3							
12.7	DBS	00050	19.72	36.318	25.86		1523.7							
12.7	DBS	00077	19.67	36.321	25.87		1524.0							
12.7	DBS	00100	19.69	36.356	25.90		1524.5							
12.7	DBS	00150	18.44	36.437	26.28		1521.9							
12.7	DBS	T00200	17.77	36.426	26.44		1520.8							
12.7	DBS	00301	17.15	36.453	26.53		1520.6							
12.7	DBS	T00401	15.72	36.102	26.68		1517.6							
12.7	DBS	00501	14.87	36.006	26.79		1516.4							
12.7	DBS	00601		35.675										
12.7	DBS	00806	09.77	35.275	27.22		1503.2							
12.7	DBS	T01007	06.57	35.109	27.58		1494.1							

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REFID 31 2133 YEAR 1972 BOTOP 02195 AIR TEMP 21.1 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 12 SHIP NO WET BULB 21.1 18 3 X WIND-SPD 25 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 28 DATA USE 1 BAROMETR 1015.7 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 48 W HOUR 12.9 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X2 ORIG E79 007 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
12.9	DBS	00000	19.76	36.243	25.82		1523.0							
12.9	DBS	00063	19.65	36.345	25.90		1523.8							
12.9	DBS	00097	19.63	36.318	25.88		1524.3							
12.9	DBS	00126	19.20	36.429	26.08		1523.7							
12.9	DBS	00189	17.79	36.435	26.44		1520.7							
12.9	DBS	00253	17.41	36.384	26.45		1520.6							
12.9	DBS	00379	16.70	36.281	26.55		1520.4							
12.9	DBS	T00505	15.16	36.035	26.75		1517.5							
12.9	DBS	00637	13.46	35.787	26.91		1513.8							
12.9	DBS	T01016	06.24	35.038	27.57		1492.9							
12.9	DBS	T01267	05.00	35.017	27.71		1492.0							

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REFID 31 2133 YEAR 1972 BOTOP 04460 AIR TEMP 19.7 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 12 SHIP NO WET BULB 17.7 30 6 X WIND-SPD 10 TRACE DIR 5 SQUARE 4  
 LAT 35 01 N DAY 29 DATA USE 1 BAROMETR 1020.2 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 53 W HOUR 12.4 AREA 05 CLOUD T/A 7/6 CL/TR WEATHER XI ORIG E79 008 1 SQUARE 57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	DXYG	P04	TOT P	NO2	NO3	SI03	PH
12.4	DBS	00000	20.74	36.381	25.77		1524.4							
12.4	DBS	00028	19.84	36.248	25.85		1523.7							
12.4	DBS	00051	19.78	36.342	25.86		1523.9							
12.4	DBS	00079		36.340										
12.4	DBS	00103	19.66	36.350	25.90		1524.5							
12.4	DBS	00154	18.36	36.437	26.30		1521.8							
12.4	DBS	00206		36.427										
12.4	DBS	00308	17.35	36.396	26.52		1521.3							
12.4	DBS	00411		36.342										
12.4	DBS	00514	14.84	35.967	26.75		1516.5							
12.4	DBS	T00617	13.42	35.755	26.91		1513.3							
12.4	DBS	00828	09.20	35.214	27.27		1501.3							
12.4	DBS	T01035	06.04	35.053	27.61		1492.4							
15.5	DBS	T01855	03.89	34.973	27.80		1497.3							
15.5	DBS	T02400	03.44	34.974	27.84		1504.6							
15.5	DBS	T02928	03.04	34.947	27.86		1512.0							
15.5	DBS	T03460	02.52	34.931	27.85		1519.0							
15.5	DBS	T03996	02.28	34.903	27.85		1527.4							

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TABLE LVIII.—Continued

REFID 31 2133 YEAR 1972 BOTOP 04938 AIR TEMP 18.5 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 12 SHIP NO WET BULB 14.0 DIR SPO 5 4 WIND-SPO 17 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 30 DATA USE 1 BAROMETR 1029.5 SEA WIND-FUR 2 SQUARE 46  
 LONG 047 58 W HOUR 13.8 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X2 ORIG E79 009 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.8	085	00000	19.85	36.343	25.84		1523.3							
13.8	085	00020	19.72	36.341	25.88		1523.3							
13.8	085	00035	19.70	36.323	25.87		1523.4							
13.8	085	00053	19.59	36.317	25.85		1523.4							
13.8	085	00067	19.52	36.358	25.94		1523.5							
13.8	085	00100	19.53	36.379	25.95		1524.1							
13.8	085	T00133	18.81	36.473	26.21		1522.7							
13.8	085	00196	17.96	36.435	26.40		1521.3							
13.8	085	T00255	17.58	36.393	26.46		1521.1							
13.8	085	00317	17.21	36.384	26.54		1521.0							
13.8	085	T00502	15.48	36.077	26.71		1518.5							
13.8	085	00621	13.61	35.734	26.85		1514.0							
13.8	085	T00910	07.66	35.091	27.42		1496.7							

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REFID 31 2133 YEAR 1972 BOTOP 04663 AIR TEMP 15.6 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 12 SHIP NO WET BULB 15.6 DIR SPO 11 2 X WIND-SPO 20 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 31 DATA USE 1 BAROMETR 1031.5 SEA WIND-FUR 2 SQUARE 49  
 LONG 048 09 W HOUR 17.1 AREA 05 CLOUD T/A 0/3 CL/TR WEATHER X1 ORIG E79 010 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
17.1	085	00000	19.79	36.355	25.87		1523.1							
17.1	085	00022	19.81	36.342	25.85		1523.5							
17.1	085	00041	19.80	36.347	25.86		1523.8							
17.1	085	00063	19.81											
17.1	085	00081	19.81	36.336	25.85		1524.5							
17.1	085	00122	19.71	36.435	25.95		1525.0							
17.1	085	00163	18.37	36.461	26.32		1522.0							
17.1	085	00247	17.66	36.425	26.46		1521.3							
17.1	085	00330	17.15											
17.1	085	00388	16.40											
17.1	085	T00468	15.42											
17.1	085	T00624	13.10											
17.1	085	00766	10.00											
17.1	085	T01123	06.63											

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REFID 31 2133 YEAR 1973 BOTOP 03840 AIR TEMP 15.8 DIR HGT PER WIND-DIR 11 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 01 SHIP NO WET BULB 11.6 DIR SPO 01 2 2 WIND-SPO 07 TRACE DIR 5 SQUARE 4  
 LAT 35 07 N DAY 02 DATA USE 1 BAROMETR 1035.7 SEA WIND-FUR 2 SQUARE 48  
 LONG 048 05 W HOUR 13.8 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E79 011 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
13.8	085	00000	19.86	36.430	25.91		1523.4							
13.8	085	00025	19.85	36.424	25.91		1523.8							
13.8	085	00049	19.80	36.412	25.91		1524.0							
13.8	085	00074	19.69	36.391	25.92		1524.1							
13.8	085	00098	19.55	36.429	25.94		1524.2							
13.8	085	00147	18.50	36.476	26.29		1522.1							
13.8	085	T00200	17.71	36.433	26.46		1520.6							
13.8	085	00298	17.18	36.391	26.56		1520.7							
13.8	085	00395	16.73	36.309	26.60		1520.8							
13.8	085	00498	15.18	36.068	26.77		1517.4							
13.8	085	T00596	14.17	35.907	26.87		1515.6							
13.8	085	00791	10.47	35.402	27.20		1505.6							
13.8	085	00991	07.05	35.127	27.53		1495.8							
13.8	085	01489	04.43	35.020	27.78		1493.4							

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REFID 31 2133 YEAR 1973 BOTOP 04389 AIR TEMP 12.8 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 01 SHIP NO WET BULB 11.1 DIR SPO 07 5 X WIND-SPO 12 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1016.3 SEA WIND-FUR 2 SQUARE 43  
 LONG 048 02 W HOUR 12.1 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E79 012 1 SQUARE 56

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	19.42	36.432	26.02		1522.2							
12.1	085	00026	19.43	36.436	26.02		1522.7							
12.1	085	00047	19.43	36.426	26.02		1523.0							
12.1	085	00072	19.37	36.432	26.04		1523.3							
12.1	085	00094	19.41	36.430	26.03		1523.7							
12.1	085	00139	18.47	36.499	26.32		1521.9							
12.1	085	T00186	17.72	36.442	26.46		1520.5							
12.1	085	00278	17.29	36.396	26.53		1520.7							
12.1	085	00370	16.03	36.260	26.73		1518.2							
12.1	085	00469	15.02	36.065	26.81		1516.5							
12.1	085	T00565	14.14	35.897	26.87		1515.0							
12.1	085	T00763	10.50	35.391	27.19		1505.2							
12.1	085	T00965	07.09	35.136	27.53		1495.5							
12.1	085	T01593	04.36	35.010	27.78		1494.2							

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TABLE LIX.—Observed and interpolated oceanographic data for stations taken by CAMPBELL at Ocean Station ECHO, 7 January 1973 - 29 January 1973, prepared from NODC listing No. 31 - 2141.

REF ID	31	2141	YEAR	1973	BOTDP	04811	AIR TEMP	16.1	DIR HGT	PER	WIND-DIR	35	INST	NANSEN	CAST	TEN SQ	1206		
CONSEC	0001		MONTH	01	SHIP CM		WET BULB	11.8	32	9	3	WIND-SPD	13	TRACE	DIR	5	SQUARE	2	
LAT	34	52	N	DAY	15	DATA USE	1	BAROMETR	1027.9	SEA		WIND-FUR		DURATION		2	SQUARE	48	
LONG	048	12	W	HOOR	18.2	AREA	05	CLOUD T/A	6/6	CL/TR	/48	WEATHER	X2	ORIG	E80	001	1	SQUARE	48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
18.2	085	00000	18.70	36.406	26.19		1520.2							
18.2	085	00030	18.73											
18.2	085	00055	18.71											
18.2	085	00085	18.66	36.387	26.19		1521.4							
18.2	085	00110	18.61	36.378	26.19		1521.7							
18.2	085	00164	18.43											
18.2	085	T00219	17.74	36.452	26.47		1521.1							
18.2	085	00329	17.07	36.371	26.57		1520.8							
18.2	085	T00439	16.12	36.207	26.67		1519.6							
18.2	085	00548	14.62	35.989	26.83		1516.4							
18.2	085	T00658	12.42	35.722	26.99		1512.3							
18.2	085	00482	07.75	35.239	27.52		1498.5							
18.2	085	T01102	06.33	35.165	27.66		1494.8							
18.2	085	01651	04.47	35.066	27.81		1490.3							

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REF ID	31	2141	YEAR	1973	BOTDP	04413	AIR TEMP	18.5	DIR HGT	PER	WIND-DIR	18	INST	NANSEN	CAST	TEN SQ	1206		
CONSEC	0002		MONTH	01	SHIP CM		WET BULB	16.0	36	4	4	WIND-SPD	16	TRACE	DIR	5	SQUARE	4	
LAT	35	00	N	DAY	16	DATA USE	1	BAROMETR	1026.5	SEA		WIND-FUR		DURATION		2	SQUARE	46	
LONG	047	58	W	HOOR	12.0	AREA	05	CLOUD T/A	4/7	CL/TR		WEATHER	X1	ORIG	E80	002	1	SQUARE	57

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
12.0	085	00000	18.52	36.359	26.20		1519.6							
12.0	085	00023	18.54	36.357	26.19		1520.0							
12.0	085	00041	18.55	36.353	26.19		1520.4							
12.0	085	00063	18.53	36.352	26.19		1520.7							
12.0	085	00082	18.53											
12.0	085	00123	18.56	36.357	26.19		1521.7							
12.0	085	T00164	18.59	36.359	26.18		1522.5							
12.0	085	00246	17.64	36.418	26.46		1521.2							
12.0	085	T00328	17.12	36.376	26.56		1520.9							
12.0	085	00411	16.33	36.250	26.65		1519.8							
12.0	085	T00499	15.29	36.050	26.73		1517.8							
12.0	085	T00878	08.53	35.271	27.42		1499.7							

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REF ID	31	2141	YEAR	1973	BOTDP	03718	AIR TEMP	17.9	DIR HGT	PER	WIND-DIR	25	INST	NANSEN	CAST	TEN SQ	1206		
CONSEC	0003		MONTH	01	SHIP CM		WET BULB	13.9	27	5	5	WIND-SPD	15	TRACE	DIR	5	SQUARE	4	
LAT	35	05	N	DAY	18	DATA USE	1	BAROMETR	1028.4	SEA		WIND-FUR		DURATION		2	SQUARE	48	
LONG	048	02	W	HOOR	14.8	AREA	05	CLOUD T/A	3/2	CL/TR	/14	WEATHER	X1	ORIG	E80	003	1	SQUARE	58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
14.8	085	00000	18.50	36.342	26.19		1519.5							
14.8	085	00025	18.52	36.340	26.18		1520.0							
14.8	085	00045	18.55	36.343	26.18		1520.4							
14.8	085	00068	18.51											
14.8	085	00099	18.52	36.341	26.19		1521.2							
14.8	085	00133	18.54	36.351	26.19		1521.8							
14.8	085	T00176	18.57	36.376	26.20		1522.7							
14.8	085	00264	17.68	36.430	26.46		1521.0							
14.8	085	00350	17.38	36.416	26.53		1522.1							
14.8	085	00440	16.14	36.215	26.67		1519.6							
14.8	085	T00519	15.06	36.014	26.76		1517.3							
14.8	085	T00691	11.65	35.483	27.05		1508.2							
14.8	085	T00853	09.03	35.284	27.36		1501.2							
14.8	085	T01250	04.72	35.022	27.75		1490.6							

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REF ID	31	2141	YEAR	1973	BOTDP	04622	AIR TEMP	18.3	DIR HGT	PER	WIND-DIR	27	INST	NANSEN	CAST	TEN SQ	1206		
CONSEC	0004		MONTH	01	SHIP CM		WET BULB	15.7	03	3	4	WIND-SPD	10	TRACE	DIR	5	SQUARE	2	
LAT	34	54	N	DAY	19	DATA USE	1	BAROMETR	1029.1	SEA		WIND-FUR		DURATION		2	SQUARE	46	
LONG	047	57	W	HOOR	01.0	AREA	05	CLOUD T/A	4/2	CL/TR		WEATHER	X1	ORIG	E80	004	1	SQUARE	47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYN DPTH	SND VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
01.0	085	T02014	03.92	35.004	27.82		1499.7							
01.0	085	T02514	03.37	34.971	27.95		1505.3							
01.0	085	T03010	02.88											
01.0	085	03513	02.49	34.922	27.84		1519.4							

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TABLE LIX.—Continued

REFID 31 2141 YEAR 1973 BOTDP 04726 AIR TEMP 18.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0005 MONTH 01 SHIP CM WET BULB 14.9 00 0 X WIND-SPD 05 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 19 DATA USE 1 BAROMETR 1029.6 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 43 W HOUR 13.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER XI ORIG EBO 005 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SID3	PH
13.3	085	00000	18.86	36.390	26.14		1520.6							
13.3	085	00025	18.83											
13.3	085	00045	18.75											
13.3	085	00070	18.71											
13.3	085	00091	18.66											
13.3	085	00137	18.56											
13.3	085	T00102	18.53											
13.3	085	00273	17.58	36.424	26.48		1521.5							
13.3	085	T00363	16.94	36.349	26.58		1521.0							
13.3	085	00455	16.02	36.205	26.69		1519.5							
13.3	085	T00546	14.70	35.983	26.81		1516.6							

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REFID 31 2141 YEAR 1973 BOTDP 04567 AIR TEMP 18.1 DIR HGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0006 MONTH 01 SHIP CM WET BULB 15.3 49 3 X WIND-SPD 1 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 20 DATA USE 1 BAROMETR 1029.0 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 14.1 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER XI ORIG EBO 006 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SID3	PH
14.1	085	00000	18.84	36.410	26.16		1520.6							
14.1	085	00029	18.78	36.374	26.14		1520.8							
14.1	085	00053	18.63	36.366	26.18		1520.8							
14.1	085	00081	18.52	36.333	26.18		1520.9							
14.1	085	00105	18.51	36.334	26.18		1521.3							
14.1	085	00157	18.40	36.408	26.27		1521.7							
14.1	085	T00210	17.73	36.417	26.44		1520.9							
14.1	085	00314	17.42	36.433	26.53		1521.7							
14.1	085	T00419	16.54	36.267	26.61		1520.6							
14.1	085	00524	14.90	35.977	26.76		1516.9							
14.1	085	T00629	13.37	35.681	26.92		1512.3							
14.1	085	T00939	07.19	35.105	27.50		1495.4							

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REFID 31 2141 YEAR 1973 BOTDP 04800 AIR TEMP 16.5 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0007 MONTH 01 SHIP CM WET BULB 13.1 30 5 4 WIND-SPD 2 TRACE DIR 5 SQUARE 2  
 LAT 34 51 N DAY 23 DATA USE 1 BAROMETR 1030.3 SEA WIND-FUR DURATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.3 AREA 05 CLOUD T/A 3/5 CL/TR WEATHER XI ORIG EBO 007 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SID3	PH
12.3	085	00000	18.61	36.370	26.18		1517.9							
12.3	085	00030	18.63	36.372	26.18		1520.4							
12.3	085	00056	18.64											
12.3	085	00087	18.63	36.364	26.18		1521.4							
12.3	085	00113	18.62	36.368	26.18		1521.8							
12.3	085	00170	18.15	36.430	26.35		1521.4							
12.3	085	T00227	17.62	36.412	26.46		1520.8							
12.3	085	00340	17.03	36.364	26.57		1520.9							
12.3	085	00453	16.50	36.267	26.62		1521.0							
12.3	085	00570	14.42	35.956	26.85		1516.1							
12.3	085	00702	12.84	35.695	26.98		1512.7							
12.3	085	T00914	07.91	35.133	27.41		1497.8							
12.3	085	T01144	05.99	35.149	27.69		1494.1							
12.3	085	T01751	04.09	35.006	27.80		1496.4							

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TABLE LX.—Observed and interpolated oceanographic data for stations taken by USCGC PONTCHARTRAIN at Ocean Station ECHO, 29 January 1973 - 23 February 1973, prepared from NODC listing No. 31 - 2161.

REFID 31 2161 YEAR 1973 BOTOP 04755 AIR TEMP 18.3 DIP HGT PER WIND-OIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEL 0001 MONTH 02 SHIP P# WET BULB 16.1 14 2 2 WIND-SPO 13 TRACE OIR 5 SQUARE 2  
 LAT 34 53 N DAY 04 DATA USE 1 BAROMETR 1034.5 SEA WIND-FIR 13 WIND-FUR 13 DURATION 2 SQUARE 46  
 LONG 047 34 W HOUR 13.7 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG EBI 001 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
13.7	08S	00000	19.00	36.496	26.18		1521.1							
13.7	06S	00023	18.97	36.496	26.19		1521.4							
13.7	08S	00043	19.00	36.494	26.18		1521.8							
13.7	08S	00065	18.99	36.487	26.18		1522.2							
13.7	08S	00085	19.00	36.491	26.18		1522.5							
13.7	08S	00127	18.90	36.473	26.19		1522.9							
13.7	08S	T00170	18.30	36.431	26.31		1521.9							
13.7	08S	00255	17.51	36.408	26.45		1520.9							
13.7	08S	T00340	17.03	36.349	26.56		1520.8							
13.7	08S	00426	16.29	36.232	26.64		1519.9							
13.7	08S	00512	15.29	36.064	26.74		1518.0							
13.7	08S	T00691	12.85	35.694	26.98		1512.6							
13.7	08S	T00870	08.79	35.202	27.33		1500.5							
13.7	08S	TU1353	04.64	35.012	27.75		1492.0							

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REFID 31 2161 YEAR 1973 BOTOP 04297 AIR TEMP 19.0 DIP HGT PER WIND-OIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC U002 MONTH 02 SHIP P# WET BULB 16.7 11 1 2 WIND-SPO 13 TRACE OIR 5 SQUARE 4  
 LAT 35 04 N DAY 05 DATA USE 1 BAROMETR 1032.9 SEA WIND-FIR 13 WIND-FUR 13 DURATION 2 SQUARE 49  
 LONG 048 01 W HOUR 13.5 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG EBI 002 1 SQUARE 59

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
13.5	08S	00000	18.49	36.440	26.27		1519.6							
13.5	08S	00032	18.51	36.447	26.27		1520.2							
13.5	08S	00060	18.54	36.441	26.26		1520.7							
13.5	08S	00092	18.53	36.439	26.26		1521.2							
13.5	08S	00119	18.53	36.438	26.26		1521.7							
13.5	08S	00179	18.15	36.385	26.31		1521.5							
13.5	08S	T00238	17.93	36.438	26.41		1521.9							
13.5	08S	00357	17.07	36.348	26.55		1521.2							
13.5	08S	T00476	15.48	36.077	26.71		1518.0							
13.5	08S	00600	14.19	35.885	26.95		1513.7							
13.5	08S	T00718	12.17	35.608	27.05		1510.6							
13.5	08S	T00956	07.49	35.222	27.54		1497.0							
13.5	08S	T01197	05.52	35.105	27.72		1493.1							
13.5	08S	T01813	03.91	35.012	27.83		1490.7							

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REFID 31 2161 YEAR 1973 BOTOP 05561 AIR TEMP 18.9 DIP HGT PER WIND-OIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC U003 MONTH 02 SHIP P# WET BULB 16.7 11 2 2 WIND-SPO 16 TRACE OIR 5 SQUARE 2  
 LAT 34 40 N DAY 06 DATA USE 1 BAROMETR 1030.1 SEA WIND-FIR 13 WIND-FUR 13 DURATION 2 SQUARE 49  
 LONG 048 04 W HOUR 13.3 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG EBI 003 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	PJ4	TOT P	NO2	NO3	SIO3	PH
13.3	08S	00000	18.69	36.474	26.24		1520.2							
13.3	08S	00025	18.71	36.492	26.25		1520.7							
13.3	08S	00046	18.55	36.465	26.27		1520.6							
13.3	08S	00071	18.51	36.466	26.28		1520.9							
13.3	08S	00092	18.46	36.462	26.29		1521.1							
13.3	08S	00139	18.18	36.410	26.32		1521.0							
13.3	08S	T00145	16.15	36.410	26.33		1521.6							
13.3	08S	00279	17.62	36.427	26.48		1521.7							
13.3	08S	T00373	16.88	36.324	26.58		1520.9							
13.3	08S	00469	15.91	36.153	26.67		1519.3							
13.3	08S	00565	14.62	35.943	26.80		1516.6							
13.3	08S	T00763	11.49	35.515	27.10		1508.9							
13.3	08S	T00963	07.56	35.128	27.46		1497.3							
13.3	08S	T01482	04.81	35.083	27.76		1496.9							

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TABLE LX.—Continued

REFID 31 2161 YEAR 1973 BOTOP 05911 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 02 SHIP PW WET BULB 16.1 17 2 2 WIND-SPO 17 TRACE DIR 5 SQUARE 2  
 LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1023.7 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 13.0 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X1 ORIG EBI 004 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.0	08S	00000	18.94	36.438	26.15		1520.9							
13.0	08S	00024	18.90	36.437	26.16		1521.2							
13.0	08S	00043	18.92	36.436	26.16		1521.5							
13.0	08S	00067	18.92	36.443	26.16		1521.9							
13.0	08S	00086	18.86	36.466	26.15		1522.1							
13.0	08S	00128	18.35	36.464	26.32		1521.4							
13.0	08S	T00170	17.93	36.444	26.41		1520.8							
13.0	08S	00252	17.57	36.435	26.45		1521.1							
13.0	08S	T00334	17.08	36.361	26.56		1520.9							
13.0	08S	00416	16.36	36.231	26.63		1519.9							
13.0	08S	00497	15.02	36.094	26.83		1517.0							
13.0	08S	T00665	12.89	35.676	26.96		1512.3							
13.0	08S	T00833	09.54	35.244	27.24		1502.7							
13.0	08S	T01279	05.22	35.086	27.74		1493.2							

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REFID 31 2161 YEAR 1973 BOTOP 04243 AIR TEMP 19.4 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 02 SHIP PW WET BULB 18.3 18 2 2 WIND-SPO 04 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 07 DATA USE 1 BAROMETR 1016.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 14.6 AREA 05 CLOUD T/A 0/4 CL/TR /20 WEATHER X1 ORIG EBI 005 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
14.6	08S	00000	18.84	36.470	26.20		1520.6							
14.6	08S	00026	18.78	36.476	26.22		1520.9							
14.6	08S	00047	18.68	36.471	26.24		1521.0							
14.6	08S	00074	18.15	36.395	26.32		1519.8							
14.6	08S	00096	18.14	36.391	26.32		1520.1							
14.6	08S	00143	18.15	36.390	26.32		1520.9							
14.6	08S	T00191	18.15	36.389	26.32		1521.7							
14.6	08S	00284	17.62	36.420	26.47		1521.8							
14.6	08S	T00375	17.06	36.361	26.56		1521.5							
14.6	08S	00460	15.86	36.145	26.68		1519.0							
14.6	08S	00543	14.57	35.737	26.81		1516.1							
14.6	08S	00861	08.14	35.147	27.39		1497.8							
14.6	08S	T01278	04.87	35.021	27.73		1491.7							

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REFID 31 2161 YEAR 1973 BOTOP 04389 AIR TEMP 20.0 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 02 SHIP PW WET BULB 18.3 16 2 X WIND-SPO 12 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 10 DATA USE 1 BAROMETR 1021.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 14 W HOUR 13.0 AREA 05 CLOUD T/A 2/2 CL/TR WEATHER X1 ORIG EBI 006 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.0	08S	00000	18.74	36.487	26.24		1520.4							
13.0	08S	00029	18.79	36.485	26.23		1521.0							
13.0	08S	00054	18.46											
13.0	08S	00083	18.10	36.432	26.36		1519.9							
13.0	08S	00108	18.12	36.419	26.35		1520.3							
13.0	08S	00162	18.06	36.429	26.37		1521.0							
13.0	08S	T00216	17.56	36.429	26.49		1520.5							
13.0	08S	00324	17.12											
13.0	08S	T00433	15.89	36.195	26.70		1518.7							
13.0	08S	00542	14.30	35.896	26.83		1515.2							
13.0	08S	T00650	12.52	35.646	27.01		1510.7							
13.0	08S	T00873	07.71	35.135	27.44		1496.4							
13.0	08S	01091	05.73	35.114	27.70		1492.2							
13.0	08S	01636	04.30	35.066	27.83		1493.4							

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REFID 31 2161 YEAR 1973 BOTOP 04023 AIR TEMP 19.4 DIR HGT PER WIND-DIR 10 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 02 SHIP PW WET BULB 18.3 10 5 2 WIND-SPO 25 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 13.4 AREA 05 CLOUD T/A 5/6 CL/TR WEATHER X1 ORIG EBI 007 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	SYNOPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
13.4	08S	00000	18.88	36.500	26.22		1520.8							
13.4	08S	00026	18.88	36.502	26.22		1521.2							
13.4	08S	00048	18.77	36.485	26.23		1521.3							
13.4	08S	00074	18.22	36.423	26.32		1520.0							
13.4	08S	00096	18.13	36.399	26.33		1520.1							
13.4	08S	00143	18.06	36.394	26.34		1520.7							
13.4	08S	T00190	18.06	36.415	26.36		1521.5							
13.4	08S	00288	17.42	36.403	26.51		1521.2							
13.4	08S	T00386	16.86	36.332	26.59		1521.1							
13.4	08S	00493	15.29	36.049	26.73		1517.7							
13.4	08S	00598	12.04	35.560	27.03		1508.1							
13.4	08S	T00814	09.00	35.201	27.29		1503.4							
13.4	08S	01039	06.27	35.097	27.61		1493.4							
13.4	08S	T01624	04.03	34.998	27.80		1496.0							

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TABLE LX.—Continued

REFID 31 2161 YEAR 1973 BOTOP 04789 AIR TEMP 20.0 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0009 MONTH 02 SHIP PW WFT SULE 17.8 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 12 DATA USE 1 BAROMETR 1019.2 SEA WIND-FUR 4 DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 14.8 AREA 05 CLOUD T/A 17% CLZTR 71% WEATHER AL ORIG EBL 001 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	STMA-T	SYNPTH	SND VEL	OXYG	P19	TOT P	NO2	NO3	S103	PH
14.8	085	00000	18.95	36.492	26.19		1521.0							
14.8	085	00025	18.94	36.492	26.20		1521.3							
14.8	085	00050	18.97	36.497	26.19		1521.8							
14.8	085	00071	18.95	36.508	26.20		1522.2							
14.8	085	00093	18.81	36.499	26.23		1522.1							
14.8	085	00114	18.09	36.475	26.33		1520.5							

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REFID 31 2161 YEAR 1973 BOTOP 04782 AIR TEMP 18.7 DIR HGT PER WIND-DIR 37 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0009 MONTH 02 SHIP PW WFT SULE 16.1 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1019.7 SEA WIND-FUR 4 DURATION 2 SQUARE 46  
 LONG 047 56 W HOUR 14.8 AREA 05 CLOUD T/A 22% CLZTR 71% WEATHER AL ORIG EBL 009 1 SQUARE 57

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	STMA-T	SYNPTH	SND VEL	OXYG	P19	TOT P	NO2	NO3	S103	PH
14.8	085	00000	18.76	36.491	26.24		1520.4							
14.8	085	00032	18.76	36.500	26.25		1521.0							
14.8	085	00060	18.80	36.489	26.23		1521.5							
14.8	085	00071	18.77	36.486	26.23		1522.0							
14.8	085	00089	18.32	36.437	26.31		1521.1							
14.8	085	00114	17.90	36.494	26.42		1520.9							
14.8	085	100.37	17.53	36.425	26.50		1520.7							
14.8	085	00156	16.94	36.389	26.55		1520.8							
14.8	085	100.75	15.66	36.135	26.72		1518.6							
14.8	085	005.40	14.34	35.917	26.84		1516.2							
14.8	085	007.16	12.36	35.631	27.03		1511.3							
14.8	085	1011.49	06.26	35.482	27.66		1496.1							
14.8	085	1017.68	04.30	35.247	27.81		1497.4							

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REFID 31 2161 YEAR 1973 BOTOP 04589 AIR TEMP 17.8 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0010 MONTH 02 SHIP PW WFT SULE 15.6 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 16 DATA USE 1 BAROMETR 1021.5 SEA WIND-FUR 4 DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.7 AREA 05 CLOUD T/A 57% CLZTR WEATHER AL ORIG EBL 010 1 SQUARE 47

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	STMA-T	SYNPTH	SND VEL	OXYG	P19	TOT P	NO2	NO3	S103	PH
12.7	085	00000	18.76	36.486	26.23		1520.4							
12.7	085	00029	18.69	36.483	26.25		1520.7							
12.7	085	00083	18.69	36.504	26.27		1521.6							
12.7	085	00162	18.42	36.464	26.30		1522.1							
12.7	085	100216	17.75	36.447	26.46		1521.0							
12.7	085	00324	17.23	36.393	26.54		1521.2							
12.7	085	100432	16.11	36.202	26.66		1519.4							
12.7	085	00540	14.79	35.992	26.80		1516.8							
12.7	085	00548	13.62	35.823	26.92		1514.6							
12.7	085	00609	09.37	35.278	27.29		1502.7							
12.7	085	010.65	06.28	35.085	27.60		1494.2							
12.7	085	1016.25	04.64											

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REFID 31 2161 YEAR 1973 BOTOP 05121 AIR TEMP 17.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0011 MONTH 02 SHIP PW WFT SULE 15.6 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 17 DATA USE 1 BAROMETR 1019.0 SEA WIND-FUR 4 DURATION 2 SQUARE 46  
 LONG 048 10 W HOUR 12.7 AREA 05 CLOUD T/A 57% CLZTR WEATHER AL ORIG EBL 011 1 SQUARE 58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	STMA-T	SYNPTH	SND VEL	OXYG	P19	TOT P	NO2	NO3	S103	PH
12.7	085	00000	18.84	36.537	26.24		1523.7							
12.7	085	00026	18.84	36.516	26.23		1521.2							
12.7	085	00047	18.87	36.511	26.24		1521.6							
12.7	085	00073	18.38	36.326	26.29		1522.0							
12.7	085	00094	19.86	36.516	26.23		1522.4							
12.7	085	00114	18.32	36.436	26.30		1521.4							

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TABLE LX.—Continued

REFID	31	2161	YEAR	1973	BOTOP	04445	AIR TEMP	20.6	DIP HGT PER	WIND-DIR	05	INST NANSEN	CAST	TEN SQ	1206	
CONSEC	0013	MONTH	02	SHIP PW	NET BULB	11.7	27	2	2	WIND-SPD	05	TRACE DIR		5	SQUARE	4
LAT	35 07 N	LAY	20	DATA USE	1	BAROMETR	1025.5	SEA		WIND-FUR		DURATION		2	SQUARE	48
LONG	049 17 W	HOUR	12.7	AREA	05	CLOUD T/A	5/7	CL/TR	7/1	WEATHER	X1	DRIG EBL	012	1	SQUARE	59

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TOT P	NU2	NU3	S103	PH
12.7	0BS	00000	17.34	36.309	26.45		1516.1							
12.7	0BS	00025	17.25	36.286	26.46		1516.3							
12.7	0BS	00050	17.30	36.297	26.45		1516.8							
12.7	0BS	00075	17.29	36.291	26.46		1517.2							
12.7	0BS	00100	17.31	36.293	26.45		1517.7							
12.7	0BS	00151	17.18	36.291	26.48		1516.1							
12.7	0BS	00206	16.76	36.252	26.55		1517.7							
12.7	0BS	00306	16.82	35.927	26.74		1513.0							
12.7	0BS	00407	15.84	35.407	26.86		1511.3							
12.7	0BS	00512	11.45	35.554	27.05		1506.4							
12.7	0BS	00613	10.36	35.363	27.19		1502.2							
12.7	0BS	00814	06.83	35.070	27.52		1491.9							
12.7	0BS	01020	05.12	35.029	27.71		1488.4							
12.7	0BS	01532	04.15	34.994	27.79		1492.9							

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REFID	31	2161	YEAR	1973	BOTOP	04993	AIR TEMP	20.5	DIP HGT PER	WIND-DIR	13	INST NANSEN	CAST	TEN SQ	1206	
CONSEC	0013	MONTH	02	SHIP PW	NET BULB	17.9	16	2	2	WIND-SPD	11	TRACE DIR		5	SQUARE	4
LAT	35 30 N	DAY	21	DATA USE	1	BAROMETR	1016.8	SEA		WIND-FUR		DURATION		2	SQUARE	48
LONG	046 22 W	HOUR	13.2	AREA	05	CLOUD T/A	5/7	CL/TR		WEATHER	X1	DRIG EBL	013	1	SQUARE	58

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TOT P	NU2	NU3	S103	PH
13.2	0BS	00000	17.34	36.266	26.42		1516.1							
13.2	0BS	00024	17.35	36.271	26.42		1516.5							
13.2	0BS	00044	17.36	36.266	26.42		1516.9							
13.2	0BS	00068	17.38	36.274	26.42		1517.3							
13.2	0BS	00088	17.41	36.272	26.41		1517.7							
13.2	0BS	00131	17.35	36.284	26.43		1518.3							
13.2	0BS	00175	17.24	36.274	26.45		1518.7							

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REFID	31	2161	YEAR	1973	BOTOP	05225	AIR TEMP	18.9	DIP HGT PER	WIND-DIR	10	INST NANSEN	CAST	TEN SQ	1209	
CONSEC	0014	MONTH	02	SHIP PW	NET BULB	18.9	20	2	2	WIND-SPD	23	TRACE DIR		5	SQUARE	1
LAT	31 55 N	DAY	27	DATA USE	1	BAROMETR	1016.4	SEA		WIND-FUR		DURATION		2	SQUARE	00
LONG	070 05 W	HOUR	15.8	AREA	05	CLOUD T/A	5/8	CL/TR		WEATHER	X5	DRIG EBL	016	1	SQUARE	10

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TOT P	NU2	NU3	S103	PH
15.8	0BS	00000	19.48	36.412	25.95		1522.4							
15.8	0BS	00024	19.45	36.401	25.99		1522.7							
15.8	0BS	00045	19.46	36.398	25.99		1523.0							
15.8	0BS	00068	19.46	36.418	26.00		1523.4							
15.8	0BS	00088	19.43	36.436	26.02		1523.7							
15.8	0BS	00131	19.39	36.400	26.01		1524.2							
15.8	0BS	00176	19.28	36.410	26.04		1524.7							
15.8	0BS	00269	18.63	36.452	26.24		1524.4							
15.8	0BS	00366	17.79	36.438	26.44		1523.6							
15.8	0BS	00471	17.15	36.375	26.55		1523.4							
15.8	0BS	00575	15.85	36.076	26.63		1520.8							
15.8	0BS	00795	11.81	35.522	27.05		1510.5							
15.8	0BS	01027	07.00	35.088	27.51		1496.1							
15.8	0BS	01653	04.23	35.001	27.78		1495.3							

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REFID	31	2161	YEAR	1973	BOTOP	05225	AIR TEMP	21.1	DIP HGT PER	WIND-DIR	16	INST NANSEN	CAST	TEN SQ	1209	
CONSEC	0015	MONTH	02	SHIP PW	NET BULB	20.6	17	2	2	WIND-SPD	17	TRACE DIR		5	SQUARE	1
LAT	32 18 N	DAY	27	DATA USE	1	BAROMETR	1013.3	SEA		WIND-FUR		DURATION		2	SQUARE	20
LONG	070 35 W	HOUR	20.3	AREA	05	CLOUD T/A	6/8	CL/TR		WEATHER	X2	DRIG EBL	026	1	SQUARE	20

CASNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P14	TOT P	NU2	NU3	S103	PH
20.3	0BS	00000	19.69	36.394	25.92		1522.9							
20.3	0BS	00030	19.56	36.402	25.96		1523.1							
20.3	0BS	00055	19.40	36.394	26.00		1523.0							
20.3	0BS	00085	19.39	36.406	26.01		1523.5							
20.3	0BS	00111	19.39	36.410	26.02		1523.9							
20.3	0BS	00166	19.05	36.416	26.11		1523.9							
20.3	0BS	00220	18.83	36.482	26.21		1524.2							
20.3	0BS	00325	17.79	36.457	26.46		1523.0							
20.3	0BS	00424		36.391										
20.3	0BS	00524	16.37	36.256	26.64		1521.8							
20.3	0BS	00619	14.40	35.923	26.83		1516.8							
20.3	0BS	00807		35.206										
20.3	0BS	00988	06.74	35.082	27.54		1499.4							
20.3	0BS	01397	04.11	35.007	27.80		1490.5							

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TABLE LXI.—Observed and interpolated oceanographic data for stations taken by USCGC MENDOTA at Ocean Station ECHO, 23 February 1973 - 18 March 1973, prepared from NODC listing No. 31 - 2162.

REFID 31 2162 YEAR 1973 BOTOP 04737 AIR TEMP 19.3 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 02 SHIP ME MET SUBL 19.7 25 S 3 WIND-SPD 04 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 24 DATA USE 1 BAROMETR 1024.2 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 51 W HOUR 12.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X2 ORIG E82 001 1 SQUARE 47

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OUYG	P04	TOT P	NO2	NO3	SI03	PH
12.5	UBS	00000	16.83	36.454	26.15		1520.6							
12.5	UBS	00024	18.75	36.467	26.22		1520.8							
12.5	UBS	00049	18.77	36.475	26.22		1521.2							
12.5	UBS	00070	18.73	36.476	26.24		1521.5							
12.5	UBS	00090	18.57	36.461	26.26		1521.4							
12.5	UBS	00135	18.03	36.394	26.35		1520.5							
12.5	UBS	00180		36.386										
12.5	UBS	00270	17.59	36.420	26.48		1521.4							
12.5	UBS	00360	16.91	36.335	26.58		1520.6							
12.5	UBS	00449	15.98	36.194	26.65		1519.3							
12.5	UBS	00539	15.00	36.020	26.78		1517.5							
12.5	UBS	T00723	11.62	35.535	27.10		1506.7							
12.5	UBS	00902	08.49	35.341	27.49		1500.1							
12.5	UBS	T01351	05.07	35.060	27.75		1493.8							

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REFID 31 2162 YEAR 1973 BOTOP 04307 AIR TEMP 16.8 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 02 SHIP ME MET SUBL 17.6 23 S 2 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 21 N DAY 25 DATA USE 1 BAROMETR 1020.0 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 41 W HOUR 12.4 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X5 ORIG E82 002 1 SQUARE 57

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OUYG	P04	TOT P	NO2	NO3	SI03	PH
12.4	UBS	00000	18.60	36.412	26.22		1519.9							
12.4	UBS	00024	18.69											
12.4	UBS	00053	18.55	36.421	26.24		1520.6							
12.4	UBS	00082	18.31											
12.4	UBS	00105	18.15	36.365	26.31		1520.3							
12.4	UBS	00158	18.01	36.377	26.34		1520.8							
12.4	UBS	T00209	17.76	36.393	26.42		1520.9							
12.4	UBS	00312	17.20	36.355	26.52		1520.9							
12.4	UBS	T00414	16.24	36.224	26.65		1514.5							
12.4	UBS	00519	15.00	36.008	26.77		1517.1							
12.4	UBS	T00614	13.75	35.836	26.90		1514.5							
12.4	UBS	T00741	11.20	35.462	27.12		1507.4							
12.4	UBS	T00961	06.87	35.107	27.54		1494.5							
12.4	UBS	T01340	04.69	35.051	27.77		1492.0							

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REFID 31 2162 YEAR 1973 BOTOP 04784 AIR TEMP 17.4 DIR HGT PER WIND-DIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 02 SHIP ME MET SUBL 15.9 30 S 4 WIND-SPD 15 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 26 DATA USE 1 BAROMETR 1025.6 SEA WIND-FUR DURATION 2 SQUARE 46  
 LONG 047 25 W HOUR 12.5 AREA 05 CLOUD T/A 8/7 CL/TR WEATHER X1 ORIG E82 003 1 SQUARE 47

CASSTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OUYG	P04	TOT P	NO2	NO3	SI03	PH
12.5	UBS	00000	18.72	36.391	26.17		1520.2							
12.5	UBS	00031	18.71	36.401	26.18		1520.7							
12.5	UBS	00057	18.71	36.403	26.18		1521.1							
12.5	UBS	00349	18.80	36.476	26.22		1522.0							
12.5	UBS	00415	18.80	36.460	26.21		1522.4							
12.5	UBS	00472	18.27	36.418	26.31		1521.3							
12.5	UBS	T00230	17.86	36.459	26.44		1521.6							
12.5	UBS	00544	17.10	36.374	26.56		1521.1							
12.5	UBS	00600	15.69	36.126	26.70		1518.5							
12.5	UBS	00581	14.28	35.819	26.85		1515.8							
12.5	UBS	T00699	12.31	35.617	27.03		1510.8							
12.5	UBS	T00739	08.33	35.244	27.43		1500.0							
12.5	UBS	01104	06.22	35.194	27.70		1495.4							
12.5	UBS	T01413	04.30	35.051	27.82		1494.4							

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TABLE LXI.—Continued

REFID 31 2162 YEAR 1973 BOTOP 04856 AIR TEMP 16.7 OIR HGT PER WIND-OIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 02 SHIP ME WET BULB 13.0 33 5 3 WIND-SPD 08 TRACE OIR 5 SQUARE 2  
 LAT 34 52 N DAY 27 DATA USE 1 BAROMETR 1028.8 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 02 W HOUR 12.8 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER A1 ORIG E82 004 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	18.90	36.483	26.20		1520.8							
12.8	085	00025	18.85	36.484	26.21		1521.1							
12.8	085	00049	18.85	36.479	26.21		1521.5							
12.8	085	00074	18.60	36.457	26.25		1521.2							
12.8	085	00099	18.52	36.435	26.26		1521.3							
12.8	085	00148	18.03	36.410	26.36		1520.7							
12.8	085	T00202	17.70	36.423	26.45		1520.6							
12.8	085	00301	17.20	36.393	26.55		1520.8							
12.8	085	T00400	16.22	36.218	26.65		1519.2							
12.8	085	00504	15.05	36.019	26.76		1517.1							
12.8	085	T00603	13.64	35.806	26.90		1513.9							
12.8	085	T00801	09.86	35.294	27.22		1503.4							
12.8	085	T01005	07.02	35.164	27.57		1495.9							
12.8	085	T01510	04.59	35.052	27.78		1494.4							

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REFID 31 2162 YEAR 1973 BOTOP 04801 AIR TEMP 16.1 OIR HGT PER WIND-OIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 03 SHIP ME WET BULB 13.2 31 5 3 WIND-SPD 23 TRACE OIR 5 SQUARE 2  
 LAT 34 51 N DAY 02 DATA USE 1 BAROMETR 1024.4 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 08 W HOUR 12.5 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X6 ORIG E47 005 1 SQUARE 49

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.5	085	00000	18.67	36.481	26.25		1520.2							
12.5	085	00028	18.69	36.491	26.26		1520.7							
12.5	085	00052	18.67	36.505	26.27		1521.1							
12.5	085	00080	18.07	36.385	26.33		1519.7							
12.5	085	00105	18.01	36.383	26.35		1519.9							
12.5	085	00158	17.97	36.409	26.38		1520.7							
12.5	085	00212	17.78	36.389	26.41		1521.0							
12.5	085	00322	17.11	36.390	26.52		1521.4							
12.5	085	T00432	16.50	36.271	26.63		1520.7							
12.5	085	00546	14.40	35.901	26.81		1515.5							
12.5	085	T00658	12.57	35.650	27.00		1511.0							
12.5	085	T00881	08.20	35.254	27.47		1498.5							
12.5	085	T01106	05.77	35.110	27.69		1492.6							
12.5	085	T01688	04.30	35.046	27.81		1490.2							

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REFID 31 2162 YEAR 1973 BOTOP 04883 AIR TEMP 15.9 OIR HGT PER WIND-OIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 03 SHIP ME WET BULB 10.4 05 4 4 WIND-SPD 12 TRACE OIR 5 SQUARE 2  
 LAT 34 52 N DAY 06 DATA USE 1 BAROMETR 1027.1 SEA WIND-FUR 0URATION 2 SQUARE 46  
 LONG 047 56 W HOUR 11.9 AREA 05 CLOUD T/A 6/3 CL/TR WEATHER X1 ORIG E82 006 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
11.9	085	00000	18.43	36.501	26.33		1519.5							
11.9	085	00025	18.47											
11.9	085	00045	18.46	36.500	26.32		1520.3							
11.9	085	00070	18.40	36.492	26.33		1520.6							
11.9	085	00091	18.26	36.490	26.36		1520.5							
11.9	085	00137	18.05	36.407	26.35		1520.0							
11.9	085	00182	17.57	36.400	26.47		1519.9							
11.9	085	00273	17.62	36.437	26.48		1521.6							
11.9	085	T00363	17.22	36.397	26.55		1521.8							
11.9	085	00454		36.265										
11.9	085	00544	14.92	36.014	26.75		1517.3							
11.9	085	T00729	11.59	35.509	27.08		1508.7							
11.9	085	T00913	08.05	35.196	27.44		1498.5							
11.9	085	T01420	04.67	35.039	27.77		1493.2							

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REFID 31 2162 YEAR 1973 BOTOP 03735 AIR TEMP 13.0 OIR HGT PER WIND-OIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 03 SHIP ME WET BULB 08.2 03 3 3 WIND-SPD 16 TRACE OIR 5 SQUARE 4  
 LAT 35 03 N DAY 08 DATA USE 1 BAROMETR 1034.1 SEA WIND-FUR 0URATION 2 SQUARE 48  
 LONG 048 03 W HOUR 12.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E82 007 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SI03	PH
12.2	085	00000	18.26	36.453	26.34		1519.0							
12.2	085	00030	18.28	36.451	26.33		1519.5							
12.2	085	00055	18.28	36.447	26.33		1519.9							
12.2	085	00084	18.13	36.429	26.35		1520.0							
12.2	085	00109	17.99	36.403	26.37		1519.9							
12.2	085	00163	17.83	36.425	26.42		1520.4							
12.2	085	T00218	17.65	36.439	26.48		1520.8							
12.2	085	00327	17.12	36.397	26.57		1521.0							
12.2	085	T00435	16.02	36.195	26.68		1519.2							
12.2	085	00544		35.902										
12.2	085	T00653	12.48	35.651	27.02		1510.7							
12.2	085	T00876	07.68	35.131	27.44		1496.3							
12.2	085	T01093	05.57	35.092	27.70		1491.5							
12.2	085	T01638	04.36	35.009	27.78		1495.6							

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TABLE LXI.—Continued

REF ID: 31 2162 YEAR: 1973 BOTOP: 04470 AIR TEMP: 15.5 DIR HGT PER: WIND-DIR: 01 INST: NANSEN CAST TEN SQ: 1206  
 CONSEC: 0008 MONTH: 03 SHIP ME: MET BULB: 10.2 U2 1 2 WIND-SPO: 12 TRACE DIR: 5 SQUARE 2  
 LAT: 34 45 N DAY: 09 DATA USE: 1 BAROMETR: 1032.6 SEA WIND-FOR: DURATION: 2 SQUARE 46  
 LONG: 048 05 W HOUR: 13.1 AREA: 05 CLOUD T/A: 076 CLZTR: WEATHER: X1 ORIG: E82 008 1 SQUARE 48

LASTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	S103	PH
			18.63	36.536	26.31		1520.1							
			18.64	36.531	26.30		1520.6							
			18.65	36.540	26.30		1521.0							
			18.64	36.544	26.31		1521.4							
			18.63	36.537	26.31		1521.7							
			18.63	36.537	26.31		1522.4							
			17.83	36.434	26.49		1520.8							
			17.32	36.378	26.51		1520.8							
			16.47	36.361	26.58		1521.2							
			16.05	36.152	26.64		1519.8							
			14.45	35.966	26.65		1518.0							
			10.67	35.481	27.15		1505.6							
			07.29	35.108	27.48		1495.8							
			03.83	34.494	27.62		1500.7							
			03.26	34.469	27.86		1507.4							
			02.78	34.442	27.88		1514.5							
			02.46	34.915	27.89		1522.5							
			01.29	34.897	27.89		1531.4							

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REF ID: 31 2162 YEAR: 1973 BOTOP: 04850 AIR TEMP: 15.8 DIR HGT PER: WIND-DIR: 29 INST: NANSEN CAST TEN SQ: 1206  
 CONSEC: 0009 MONTH: 03 SHIP ME: MET BULB: 11.6 U2 4 2 WIND-SPO: 16 TRACE DIR: 5 SQUARE 4  
 LAT: 35 01 N DAY: 10 DATA USE: 1 BAROMETR: 1028.6 SEA WIND-FOR: DURATION: 2 SQUARE 46  
 LONG: 047 57 W HOUR: 12.3 AREA: 05 CLOUD T/A: 076 CLZTR: WEATHER: X1 ORIG: E82 009 1 SQUARE 57

LASTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	S103	PH
			18.29	36.446	26.33		1519.0							
			18.30	36.450	26.32		1519.4							
			18.26	36.441	26.33		1519.9							
			18.27	36.447	26.33		1519.7							
			18.30	36.446	26.32		1520.0							
			18.26	36.442	26.33		1520.3							
				36.444										
			18.24	36.446	26.34		1521.6							
			17.81	36.445	26.44		1521.3							
			17.50	36.413	26.49		1521.3							
			17.11	36.385	26.57		1521.1							
				36.172										
				35.460										
			08.30	35.174	27.38		1498.9							

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REF ID: 31 2162 YEAR: 1973 BOTOP: 04343 AIR TEMP: 15.2 DIR HGT PER: WIND-DIR: 01 INST: NANSEN CAST TEN SQ: 1206  
 CONSEC: 0010 MONTH: 03 SHIP ME: MET BULB: 13.4 U2 3 2 WIND-SPO: 15 TRACE DIR: 5 SQUARE 4  
 LAT: 35 02 N DAY: 11 DATA USE: 1 BAROMETR: 1022.7 SEA WIND-FOR: DURATION: 2 SQUARE 46  
 LONG: 047 56 W HOUR: 12.4 AREA: 05 CLOUD T/A: 776 CLZTR: WEATHER: X2 ORIG: E82 010 1 SQUARE 57

LASTNM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	S103	PH
			18.51	36.518	26.32		1519.8							
			18.52	36.513	26.32		1520.3							
			18.46											
			18.46	36.514	26.34		1520.9							
			18.49	36.513	26.32		1521.4							
			18.30	36.461	26.33		1521.7							
			17.86	36.461	26.44		1521.3							
			17.21	36.395	26.55		1521.0							
			16.39	36.271	26.65		1520.1							
			14.43	35.922	26.82		1515.3							
			12.72	35.691	27.00		1511.1							
			08.70	35.176	27.32		1499.6							
			05.94	35.097	27.66		1492.3							
			04.54	35.084	27.82		1495.6							

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TABLE LXI.—Continued

REFID 31 2162 YEAR 1973 BOTOP 04620 AIR TEMP 13.2 DIR HGT PER WIND-DIR 35 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0041 MONTH 03 SHIP ME WET BULB 07.5 36 5 2 WIND-SPD 17 TRACE DIR 5 SQUARE 2  
 LAT 34 53 N DAY 12 DATA USE 1 BAROMETR 1020.1 SEA WIND-FOR 17 OURATION 2 SQUARE 4R  
 LONG 048 15 W HOUR 12.2 AREA 05 CLCUO T/A 6/6 CL/TR /16 WEATHER X1 ORIG EB2 G11 1 SQUARE 4R

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.2	OBS	00000	18.22	36.476	26.36		1518.9							
12.2	OBS	00020	18.25	36.476	26.36		1519.3							
12.2	OBS	00037		36.474										
12.2	OBS	00056	18.25	36.480	26.36		1514.9							
12.2	OBS	00072	18.24	36.474	26.36		1520.1							
12.2	OBS	00109		36.480										
12.2	OBS	T00145	17.93	36.461	26.43		1520.4							
12.2	OBS	00218	17.44	36.405	26.50		1520.1							
12.2	OBS	T00290	17.18	36.393	26.56		1520.5							
12.2	OBS	00364	16.74	36.327	26.61		1520.3							
12.2	OBS	T00436	16.15	36.237	26.68		1519.6							
12.2	OBS	00594		35.860										
12.2	OBS	00755	09.41	35.352	27.26		1502.4							
12.2	OBS	T01174	05.28	35.058	27.71		1491.7							

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REFID 31 2162 YEAR 1973 BOTOP 02979 AIR TEMP 16.3 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0312 MONTH 03 SHIP ME WET BULB 12.9 24 6 2 WIND-SPD 24 TRACE DIR 5 SQUARE 4  
 LAT 35 13 N DAY 13 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR 24 OURATION 2 SQUARE 4R  
 LONG 048 02 W HOUR 12.3 AREA 05 CLCUO T/A 6/8 CL/TR WEATHER X2 ORIG EB2 012 1 SQUARE 5R

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.3	OBS	00000	18.40	36.520	26.35		1519.5							
12.3	OBS	00030	18.44	36.517	26.34		1520.1							
12.3	OBS	00056	18.42	36.523	26.35		1520.9							
12.3	OBS	00085	18.42	36.525	26.35		1520.9							
12.3	OBS	00110	18.45	36.517	26.34		1521.4							
12.3	OBS	00162		36.414										
12.3	OBS	00212	17.65	36.412	26.46		1520.6							
12.3	OBS	00310	17.30	36.437	26.54		1521.2							
12.3	OBS	T00400	16.86	36.349	26.60		1521.3							
12.3	OBS	00490	15.21	36.055	26.76		1517.4							
12.3	OBS	T00578	13.98	35.870	26.88		1514.7							
12.3	OBS	00750		35.462										
12.3	OBS	T00918	07.39	35.107	27.47		1495.3							
12.3	OBS	T01410	04.75	35.062	27.77		1493.4							

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REFID 31 2162 YEAR 1973 BOTOP 01716 AIR TEMP 15.2 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 03 SHIP ME WET BULB 10.6 30 7 4 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 16 DATA USE 1 BAROMETR 1017.1 SEA WIND-FOR 16 OURATION 2 SQUARE 4R  
 LONG 048 05 W HOUR 14.0 AREA 05 CLCUO T/A 6/6 CL/TR WEATHER X1 ORIG EB2 013 1 SQUARE 5R

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	UYNOPHT	SNO VEL	OXYG	PD4	TOT P	NO2	NO3	SIO3	PH
14.0	OBS	00000	18.36	36.497	26.35		1519.3							
14.0	OBS	00020	18.38	36.512	26.35		1519.7							
14.0	OBS	00036	17.98	36.431	26.39		1518.7							
14.0	OBS	00055	17.88	36.401	26.39		1518.7							
14.0	OBS	00072	17.84	36.379	26.38		1518.9							
14.0	OBS	00108	17.76	36.378	26.40		1519.2							
14.0	OBS	00216	17.41	36.349	26.47		1519.9							
14.0	OBS	00288	17.37	36.398	26.51		1521.1							
14.0	OBS	T00431	16.07	36.278	26.73		1519.4							

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TABLE LXII.—Observed and interpolated oceanographic data for stations taken by USCGC GALLATIN at Ocean Station ECHO, 18 March 1973 - 11 April 1973, prepared from NODC listing No. 31 - 2192.

REF ID 31 2192 YEAR 1973 BOTDP 04206 AIR TEMP 20.0 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 03 SHIP 31 WET BULB 18.9 21 2 2 WIND-SPD 24 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 19 DATA USE 1 BAROMETR 1011.9 SEA WEATHER XL WIND-FUR 2 DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.6 AREA 05 CLOUD T/A 2/6 CL/TR ORIG E83 001 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.6	085	00000	18.20	36.424	26.33		1516.8							
12.6	085	00022	18.18	36.419	26.33		1519.1							
12.6	085	00045	18.20	36.422	26.33		1519.5							
12.6	085	00067	18.19	36.422	26.33		1519.8							
12.6	085	00089	18.04	36.412	26.36		1519.8							
12.6	085	00134	17.85	36.385	26.39		1519.9							
12.6	085	T00183	17.77	36.372	26.40		1520.5							
12.6	085	00272	17.56	36.400	26.47		1521.4							
12.6	085	T00361	17.23	36.374	26.53		1521.8							
12.6	085	00455	16.59	36.265	26.60		1521.3							
12.6	085	T00544	15.17	36.014	26.73		1518.1							
12.6	085	T00722	12.16	35.568	27.02		1510.6							

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REF ID 31 2192 YEAR 1973 BOTDP 04298 AIR TEMP 18.3 DIR HGT PER WIND-DIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 03 SHIP 31 WET BULB 18.3 25 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 20 DATA USE 1 BAROMETR 1013.5 SEA WEATHER XL WIND-FUR 2 DURATION 2 SQUARE 48  
 LONG 047 57.5 W HOUR 12.2 AREA 05 CLOUD T/A 8/6 CL/TR ORIG E83 002 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.2	085	00000	18.59	36.431	26.24		1519.9							
12.2	085	00024	18.58	36.446	26.25		1520.3							
12.2	085	00049	18.52	36.436	26.26		1520.5							
12.2	085	00073	18.28	36.434	26.32		1520.2							
12.2	085	00094	18.26	36.434	26.32		1520.6							
12.2	085	00146	18.21	36.412	26.32		1521.2							
12.2	085	T00200	17.60	36.366	26.35		1520.8							
12.2	085	00298	17.40	36.383	26.50		1521.3							
12.2	085	T00395	17.00	36.344	26.56		1521.7							
12.2	085	00498	15.09	36.105	26.65		1519.1							
12.2	085	T00595	14.10	35.852	26.84		1515.3							
12.2	085	T00791	10.40	35.354	27.18		1505.3							
12.2	085	00941	06.78	35.111	27.56		1494.7							
12.2	085	T01489	04.63	35.057	27.78		1494.3							

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REF ID 31 2192 YEAR 1973 BOTDP 04572 AIR TEMP 20.6 DIR HGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 03 SHIP 31 WET BULB 18.3 23 0 2 WIND-SPD 13 TRACE DIR 5 SQUARE 2  
 LAT 34 57.5 N DAY 21 DATA USE 1 BAROMETR 1019.8 SEA WEATHER XL WIND-FUR 2 DURATION 2 SQUARE 48  
 LONG 048 09 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR ORIG E83 003 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SIO3	PH
12.3	085	00000	18.53	36.455	26.27		1519.8							
12.3	085	00023	18.53	36.473	26.28		1520.2							
12.3	085	00047	18.51	36.460	26.28		1520.5							
12.3	085	00070	18.33	36.440	26.31		1520.3							
12.3	085	00091	18.29	36.443	26.32		1520.6							
12.3	085	00139	18.28	36.437	26.32		1521.3							
12.3	085	T00190	17.94	36.399	26.38		1521.1							
12.3	085	00283	17.54	36.408	26.48		1521.5							
12.3	085	T00375	17.04	36.364	26.57		1521.5							
12.3	085	00473	16.10	36.193	26.66		1520.0							
12.3	085	T00566	14.27	35.895	26.84		1515.4							
12.3	085	T00754	11.22	35.463	27.11		1507.7							
12.3	085	T00948	07.25	35.129	27.51		1495.8							
12.3	085	T01439	04.64	35.064	27.79		1493.5							

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TABLE LXII.—Continued

REFID 31 2192 YEAR 1973 BOTOP 04548 AIR TEMP 19.4 DIR HGT PER WIND-DIR 22 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 03 SHIP 3L WET BULB 18.3 28 0 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 22 DATA USE 1 BAROMETR 1023.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 52.5W HOUR 12.8 AREA 05 CLOUD T/A 7/7 CL/TR /16 WEATHER XI ORIG E83 004 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	18.46	36.455	26.24		1519.6							
12.8	085	00025	18.38	36.456	26.31		1519.7							
12.8	085	00049	18.24	36.440	26.33		1519.7							
12.8	085	00074	18.19	36.446	26.35		1520.0							
12.8	085	00099	18.09	36.435	26.37		1520.1							
12.8	085	00148	17.97	36.402	26.37		1520.5							
12.8	085	T00202	17.83	36.382	26.39		1521.0							
12.8	085	00301	17.47	36.378	26.47		1521.5							
12.8	085	T00400	16.93	36.338	26.57		1521.5							
12.8	085	00504	15.81	36.134	26.68		1519.6							
12.8	085	00602	14.27	35.890	26.83		1516.0							
12.8	085	T00800	10.52	35.375	27.17		1505.3							
12.8	085	T01003	06.55	35.068	27.55		1493.9							
12.8	085	T01507	04.56	35.043	27.78		1494.3							

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REFID 31 2192 YEAR 1973 BOTOP 04298 AIR TEMP 20.6 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 03 SHIP 3L WET BULB 18.9 20 2 2 WIND-SPD 18 TRACE DIR 5 SQUARE 2  
 LAT 33 49 N DAY 25 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR DURATION 2 SQUARE 28  
 LONG 048 17.5W HOUR 12.9 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER XI ORIG E83 005 1 SQUARE 38

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.9	085	00000	18.65	36.405	26.20		1520.0							
12.9	085	00024	18.65	36.415	26.21		1520.4							
12.9	085	00048	18.58	36.446	26.25		1520.7							
12.9	085	00072	18.36	36.463	26.32		1520.5							
12.9	085	00097	18.31	36.443	26.32		1520.7							
12.9	085	00145	18.11	36.393	26.33		1520.9							
12.9	085	T00198	17.84	36.413	26.41		1521.0							
12.9	085	00294	17.32	36.386	26.52		1521.0							
12.9	085	T00390	16.63	36.272	26.60		1520.4							
12.9	085	00491	15.47	36.078	26.71		1518.2							
12.9	085	T00588	13.99	35.846	26.86		1514.8							
12.9	085	00782	10.71	35.388	27.15		1506.3							
12.9	085	00982	07.36	35.161	27.51		1496.8							
12.9	085	T01491	04.74	35.078	27.75		1494.8							

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REFID 31 2192 YEAR 1973 BOTOP 04846 AIR TEMP 19.2 DIR HGT PER WIND-DIR 01 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 03 SHIP 3L WET BULB 17.8 19 1 3 WIND-SPD 11 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 26 DATA USE 1 BAROMETR 1013.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.0 AREA 05 CLOUD T/A 3/6 CL/TR /18 WEATHER XI ORIG E83 006 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	18.71	36.422	26.20		1520.2							
12.0	085	00023	18.69	36.424	26.21		1520.5							
12.0	085	00046	18.34	36.383	26.26		1519.9							
12.0	085	00068	18.32	36.403	26.28		1520.2							
12.0	085	00091	18.10	36.382	26.32		1519.9							
12.0	085	00137	18.07	36.390	26.34		1520.6							
12.0	085	T00187	17.98	36.394	26.36		1521.2							
12.0	085	00278	17.74	36.389	26.42		1522.0							
12.0	085	T00369	17.36	36.376	26.50		1522.3							
12.0	085	00466		36.180										
12.0	085	00558	14.96	35.968	26.74		1517.6							
12.0	085	T00743	11.82	35.526	27.05		1509.7							
12.0	085	00935		35.139										
12.0	085	T01424	04.50	35.003	27.76		1492.6							

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REFID 31 2192 YEAR 1973 BOTOP 04206 AIR TEMP 18.9 DIR HGT PER WIND-DIR 03 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 03 SHIP 3L WET BULB 18.3 30 1 4 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 58.4N DAY 27 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 09.7W HOUR 12.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER XI ORIG E83 007 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	GYNOPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	18.80	36.483	26.22		1520.6							
12.1	085	00022		36.479										
12.1	085	00043	18.68	36.489	26.26		1520.9							
12.1	085	00065	18.58	36.463	26.26		1521.0							
12.1	085	00087	18.56	36.458	26.26		1521.3							
12.1	085	00131	18.52	36.483	26.29		1521.9							
12.1	085	T00179	17.92	36.384	26.37		1520.9							
12.1	085	J0266	17.59	36.400	26.46		1521.3							
12.1	085	T00353	17.26	36.376	26.52		1521.8							
12.1	085	00444		36.288										
12.1	085	T00532	15.35	36.042	26.71		1518.5							
12.1	085	00709	12.75	35.650	26.96		1512.5							
12.1	085	00893		35.194										
12.1	085	T01359	04.91	35.074	27.77		1493.3							

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TABLE LXII.—Continued

REFID 31 2192 YEAR 1973 BUTOP 04663 AIR TEMP 19.4 OIR MGT PER WIND-OIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 03 SHIP 3L WET BULB 16.3 10 1 2 WIND-SPO 04 TRACE OIR 5 SQUARE 2  
 LAT 34 55.4N DAY 20 DATA USE 1 BAROMETR 1015.4 SEA WIND-FUR 04 DURATION 2 SQUARE 48  
 LONG 048 04.6W HOUR 12.1 AREA 05 CLOUD T/A 1/5 CL/TR WEATHER X1 ORIG E83 008 1 SQUARE 48

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.1	08S	0000J	18.98	36.498	26.15		1521.1							
12.1	08S	00024	18.92	36.493	26.20		1521.3							
12.1	08S	00048	18.91	36.494	26.20		1521.7							
12.1	08S	00072	18.89	36.501	26.21		1522.0							
12.1	08S	00096		36.495										
12.1	08S	00145	18.64	36.471	26.25		1522.5							
12.1	08S	00158	18.09	36.416	26.35		1521.7							
12.1	08S	00294	17.57	36.397	26.46		1521.7							
12.1	08S	00390	17.21	36.365	26.53		1522.2							
12.1	08S	00491	16.30	36.209	26.62		1521.0							
12.1	08S	00566	14.70	35.932	26.77		1517.2							
12.1	08S	00775	10.76	35.386	27.14		1506.4							
12.1	08S	00965	06.86	35.087	27.53		1494.5							
12.1	08S	01134	04.58	35.066	27.80		1493.1							

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REFID 31 2192 YEAR 1973 BUTOP 04389 AIR TEMP 20.0 OIR MGT PER WIND-OIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 03 SHIP 3L WET BULB 18.9 15 1 2 WIND-SPO 15 TRACE OIR 5 SQUARE 4  
 LAT 35 00 N DAY 29 DATA USE 1 BAROMETR 1016.9 SEA WIND-FUR 04 DURATION 2 SQUARE 48  
 LONG 049 00 W HOUR 12.3 AREA 05 CLOUD T/A 3/7 CL/TR /16 WEATHER X1 ORIG E83 009 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.3	08S	00000	18.99	36.515	26.20		1521.1							
12.3	08S	00024	18.96	36.515	26.21		1521.4							
12.3	08S	00048	18.92	36.506	26.21		1521.7							
12.3	08S	00071	18.89	36.512	26.22		1522.0							
12.3	08S	00095	18.75	36.512	26.26		1522.0							
12.3	08S	00142	18.42	36.449	26.29		1521.8							
12.3	08S	00194	18.03	36.421	26.37		1521.5							
12.3	08S	00289	17.44	36.394	26.45		1521.3							
12.3	08S	00385	17.01	36.356	26.57		1521.5							
12.3	08S	00484	16.07	36.188	26.66		1520.1							
12.3	08S	00579	14.91	35.987	26.77		1517.8							
12.3	08S	00768	11.18	35.438	27.10		1507.8							
12.3	08S	00962	08.14	35.120	27.37		1499.5							
12.3	08S	01151	04.78	35.081	27.79		1494.3							

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REFID 31 2192 YEAR 1973 BUTOP 04819 AIR TEMP 18.9 OIR MGT PER WIND-OIR 14 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 04 SHIP 3L WET BULB 18.3 14 4 2 WIND-SPO 33 TRACE OIR 5 SQUARE 2  
 LAT 34 46.8N DAY 01 DATA USE 1 BAROMETR 1004.4 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 59.7W HOUR 12.6 AREA 05 CLOUD T/A 4/8 CL/TR WEATHER X5 ORIG E83 010 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
12.6	08S	00000	18.83	36.377	26.13		1520.5							
12.6	08S	00025	18.80	36.387	26.15		1520.8							
12.6	08S	00049	18.74	36.493	26.25		1521.2							
12.6	08S	00074	18.62	36.497	26.28		1521.3							
12.6	08S	00099	18.39	36.459	26.31		1521.0							
12.6	08S	00149	17.94	36.385	26.36		1520.4							
12.6	08S	00203	17.85	36.392	26.35		1521.1							
12.6	08S	00303	17.53	36.394	26.47		1521.8							
12.6	08S	00402	16.94	36.324	26.56		1521.6							
12.6	08S	00506	15.65	36.100	26.65		1519.1							
12.6	08S	00606	13.87	35.807	26.86		1514.7							
12.6	08S	00804	09.73	35.254	27.22		1502.9							
12.6	08S	01015	06.76	35.090	27.54		1495.0							
12.6	08S	01151	04.64	35.059	27.78		1494.7							

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REFID 31 2192 YEAR 1973 BUTOP 04870 AIR TEMP 21.7 OIR MGT PER WIND-OIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 04 SHIP 3L WET BULB 18.9 11 1 2 WIND-SPO 37 TRACE OIR 5 SQUARE 2  
 LAT 34 52.5N DAY 02 DATA USE 1 BAROMETR 1005.1 SEA WIND-FUR 04 DURATION 2 SQUARE 46  
 LONG 047 54.5W HOUR 18.1 AREA 05 CLOUD T/A 9/7 CL/TR WEATHER X1 ORIG E83 011 1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P14	TOT P	NO2	NO3	SI03	PH
18.1	08S	00000	19.29	36.408	26.04		1521.8							
18.1	08S	00025	18.90											
18.1	08S	00050	18.83	36.439	26.18		1521.4							
18.1	08S	00074	18.41	36.422	26.28		1520.8							
18.1	08S	00099	18.30	36.454	26.33		1520.7							
18.1	08S	00149	18.04	36.404	26.35		1520.7							
18.1	08S	00204	17.84	36.395	26.40		1521.0							
18.1	08S	00303	17.44	36.397	26.50		1521.5							
18.1	08S	00402	16.82	36.306	26.58		1521.2							
18.1	08S	00507	15.24	36.028	26.73		1517.7							
18.1	08S	00606	13.88	35.815	26.86		1514.7							
18.1	08S	00805	09.71	35.260	27.22		1502.9							
18.1	08S	01009	06.67	35.094	27.56		1494.5							
18.1	08S	01151	04.38	35.022	27.78		1493.6							

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TABLE LXII.—Continued

REFID 31 2192 YEAR 1973 BOTOP 04938 AIR TEMP 22.5 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 04 SHIP 3L WET BULB 20.0 WIND-SPD 12 TRACE DIR 5 SQUARE 2  
 LAT 34 47.5N DAY 03 DATA USE 1 BARDMETR 1009.1 SEA WIND-FUR 11 DURATION 2 SQUARE 46  
 LONG 047 48 W HOUR 12.3 AREA 05 CLUUD T/A 8/5 CL/TR /32 WEATHER X1 DRIG E83 012 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.3	085	00000	18.91	36.403	26.13		1520.8							
12.3	085	00023	18.91	36.426	26.15		1521.2							
12.3	085	00045	18.88	36.482	26.20		1521.5							
12.3	085	00068	18.63	36.500	26.28		1521.2							
12.3	085	00090	18.28	36.404	26.32		1520.5							
12.3	085	00135	18.05	36.404	26.35		1520.5							
12.3	085	T00185	17.86	36.397	26.39		1520.8							
12.3	085	T00365	16.93	36.328	26.57		1520.9							
12.3	085	T00459	15.90	36.135	26.66		1519.1							
12.3	085	T00549	14.43	35.906	26.81		1515.7							
12.3	085	T00729	11.49	35.478	27.08		1508.3							
12.3	085	U0912	07.88	35.185	27.46		1497.7							
12.3	085	T01377	04.74	35.064	27.78		1492.8							

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REFID 31 2192 YEAR 1973 BOTOP 04883 AIR TEMP 20.0 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 04 SHIP 3L WET BULB 17.5 WIND-SPD 19 TRACE DIR 5 SQUARE 2  
 LAT 34 49.5N DAY 04 DATA USE 1 BARDMETR 1009.1 SEA WIND-FUR 11 DURATION 2 SQUARE 46  
 LONG 047 43.5W HOUR 12.2 AREA 05 CLUUD T/A 8/2 CL/TR WEATHER X1 DRIG E83 013 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.2	085	00000	18.76	36.356	26.14		1520.3							
12.2	085	00021	18.67	36.363	26.16		1520.4							
12.2	085	00042	18.41	36.466	26.31		1520.1							
12.2	085	00063	18.29	36.455	26.33		1520.1							
12.2	085	00085	18.05	36.427	26.37		1519.7							
12.2	085	00127	17.77	36.381	26.40		1519.6							
12.2	085	T00174	17.64	36.363	26.42		1519.9							
12.2	085	T00346	16.98	36.329	26.56		1520.8							
12.2	085	T00438	16.27	36.217	26.64		1520.0							
12.2	085	T00525	15.14	36.024	26.75		1517.7							
12.2	085	00702	10.98	35.400	27.11		1505.9							
12.2	085	00888	07.59	35.239	27.54		1496.3							
12.2	085	T01370	04.71	35.049	27.77		1492.6							

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REFID 31 2192 YEAR 1973 BOTOP 04787 AIR TEMP 18.9 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 04 SHIP 3L WET BULB 17.2 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 55.5N DAY 09 DATA USE 1 BARDMETR 1015.4 SEA WIND-FUR 11 DURATION 2 SQUARE 48  
 LONG 048 11.5W HOUR 12.2 AREA 05 CLUUD T/A 7/8 CL/TR /27 WEATHER X2 DRIG E83 014 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PD4	TOT P	NO2	NO3	SIO3	PH
12.2	085	00000	18.66	36.435	26.22		1520.1							
12.2	085	00024	18.66	36.438	26.22		1520.5							
12.2	085	00049	18.65	36.435	26.22		1520.9							
12.2	085	00073	18.66	36.441	26.23		1521.3							
12.2	085	00097	18.40	36.464	26.31		1521.0							
12.2	085	00145	18.01	36.397	26.36		1520.6							
12.2	085	U0198	17.75	36.378	26.41		1520.7							
12.2	085	T00391	16.75	36.307	26.59		1520.8							
12.2	085	T00493	15.57	36.094	26.70		1518.6							
12.2	085	T00590	13.78	35.828	26.89		1514.2							
12.2	085	T00786	10.20	35.342	27.20		1504.5							
12.2	085	T00988	06.55	35.087	27.57		1493.7							
12.2	085	T01495	04.54	35.056	27.79		1494.0							

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TABLE LXIII.- Observed and interpolated oceanographic data for stations taken by USCGC BIBB at Ocean Station ECHO, 11 April 1973 - 3 May 1973, prepared from NODC listing No. 31 - 2204.

REFID 31 2204	YEAR 1973	BOTOP 04874	AIR TEMP 19.6	DIR HGT PER	WIND-OIR 20	INST NANSEN CAST	TEN SQ 1206
CONSEC 0001	MONTH 04	SHIP BX	WET BULB 17.8	20 3 3	WIND-SPD 17	TRACE OIR	5 SQUARE 4
LAT 35 06 N	DAY 12	DATA USE 1	BAROMETR 1019.9	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 046 02 W	HOOR 17.8	AREA 05	CLOUD T/A 7/6	CL/TR	WEATHER X2	ORIG E84 001	1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
17.8	08S	00000	18.16	36.356	26.25		1518.6							
17.8	08S	00028	18.17	36.352	26.28		1519.1							
17.8	08S	00051	18.12	36.355	26.30		1519.3							
17.8	08S	00078	18.08	36.358	26.31		1519.6							
17.8	08S	00102	17.58	36.332	26.41		1518.5							
17.8	08S	00153	17.33	36.317	26.46		1518.6							
17.8	08S	T00204	16.89	36.275	26.54		1518.1							
17.8	08S	00308	16.32	36.196	26.61		1518.0							
17.8	08S	T00413	15.30	36.076	26.75		1516.4							
17.8	08S	T00518	13.97	35.857	26.87		1513.6							
17.8	08S	T00622	12.92	35.653	27.01		1510.3							
17.8	08S	T00836	09.00	35.415	27.46		1501.0							
17.8	08S	T01046	06.28	35.102	27.62		1493.6							

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REFID 31 2204	YEAR 1973	BOTOP 04874	AIR TEMP 18.8	OIR HGT PER	WIND-OIR 29	INST NANSEN CAST	TEN SQ 1206
CONSEC 0002	MONTH 04	SHIP BX	WET BULB 17.3	29 0 2	WIND-SPD 06	TRACE OIR	5 SQUARE 2
LAT 34 53 N	DAY 13	DATA USE 1	BAROMETR 1020.3	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 047 56 W	HOOR 13.3	AREA 05	CLOUD T/A 8/2	CL/TR 7/4	WEATHER X1	ORIG E84 002	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
13.3	08S	00000	18.52	36.321	26.17		1519.6							
13.3	08S	00023	18.39	36.352	26.23		1519.6							
13.3	08S	00047	18.31	36.356	26.25		1519.8							
13.3	08S	00070	17.88	36.327	26.34		1518.9							
13.3	08S	00093	17.55	36.336	26.42		1518.3							
13.3	08S	00140	17.38	36.324	26.46		1518.6							
13.3	08S	T00191	17.04	36.328	26.54		1518.4							
13.3	08S	00285	16.06	36.188	26.65		1516.8							
13.3	08S	00379	14.72	35.996	26.82		1513.9							
13.3	08S	00477	13.74	35.840	26.91		1512.2							
13.3	08S	T00571	13.05	35.772	27.00		1511.4							
13.3	08S	T00760	09.97	35.561	27.41		1503.5							
13.3	08S	00957	06.66	35.103	27.57		1493.6							
13.3	08S	T01455	04.55	35.017	27.76		1493.3							

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REFID 31 2204	YEAR 1973	BOTOP 04864	AIR TEMP 18.4	OIR HGT PER	WIND-OIR 27	INST NANSEN CAST	TEN SQ 1206
CONSEC 0003	MONTH 04	SHIP BX	WET BULB 15.0	27 3 2	WIND-SPD 22	TRACE OIR	5 SQUARE 2
LAT 34 46 N	DAY 15	DATA USE 1	BAROMETR 1017.9	SEA	WIND-FUR	DURATION	2 SQUARE 46
LONG 046 02 W	HOOR 12.8	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E84 003	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SNO VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.8	08S	00000	18.25	36.273	26.20		1518.7							
12.8	08S	00025	18.26	36.271	26.20		1519.2							
12.8	08S	00046	18.11	36.282	26.24		1519.1							
12.8	08S	00071	17.63	36.325	26.40		1518.2							
12.8	08S	00092	17.55	36.320	26.41		1518.3							
12.8	08S	00138	17.46	36.316	26.43		1518.8							
12.8	08S	00183	17.16	36.294	26.45		1518.6							
12.8	08S	00277	16.07	36.171	26.65		1516.7							
12.8	08S	00372	14.90	36.000	26.78		1514.4							
12.8	08S	T00469	13.82	35.838	26.89		1512.3							
12.8	08S	T00569	12.72	35.683	27.00		1510.1							
12.8	08S	T00773	09.72	35.495	27.33		1502.6							
12.8	08S	00975	07.53	35.238	27.55		1497.5							
12.8	08S	T01483	04.53	35.039	27.78		1493.7							

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TABLE LXIII.—Continued

REFID 31 2204 YEAR 1973 BOTOP 04520 AIR TEMP 15.7 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0004 MONTH 04 SHIP BX WET BULB 11.7 30 4 4 WIND-SPO 19 TRACE DIR 5 SQUARE 2  
 LAT 34 4b N DAY 16 OATA USE 1 BAROMETR 1022.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG C48 02 W HOUR 12.7 AREA 05 CLOUD T/A 9/6 CL/TR /28 WEATHER X1 ORIG E84 004 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
12.7	08S	00000	18.18	36.305	26.24		1518.6							
12.7	08S	00020		36.304										
12.7	08S	00035	18.16	36.306	26.25		1519.1							
12.7	08S	00055	17.90	36.351	26.35		1518.7							
12.7	08S	00072	17.66	36.358	26.41		1518.3							
12.7	08S	00108	17.54	36.349	26.44		1518.5							
12.7	08S	T00144	17.18	36.301	26.45		1518.0							
12.7	08S	00212	16.58	36.264	26.60		1517.3							
12.7	08S	00278	15.64	36.110	26.70		1515.3							
12.7	08S	T00344	14.74	35.981	26.80		1513.4							
12.7	08S	00410	14.27	35.915	26.85		1512.9							
12.7	08S	T00554	12.55	35.791	27.11		1509.4							
12.7	08S	T01062	05.69	35.095	27.69		1491.5							

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REFID 31 2204 YEAR 1973 BOTOP 04464 AIR TEMP 17.8 DIR HGT PER WIND-DIR 33 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0005 MONTH 04 SHIP BX WET BULB 14.0 30 4 4 WIND-SPO 17 TRACE DIR 5 SQUARE 4  
 LAT 35 11 N DAY 17 OATA USE 1 BAROMETR 1023.6 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 20 W HOUR 12.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG E84 005 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.9	08S	00000	18.15	36.350	26.29		1518.5							
12.9	08S	00027	18.19	36.351	26.28		1519.1							
12.9	08S	00050	18.17	36.351	26.28		1519.4							
12.9	08S	00076	18.14	36.349	26.29		1519.8							
12.9	08S	00100	17.99	36.366	26.34		1519.7							
12.9	08S	00147	17.66	36.355	26.41		1519.5							
12.9	08S	T00194	17.50	36.351	26.45		1519.8							
12.9	08S	00286	17.22	36.339	26.51		1520.5							
12.9	08S	00376	16.47	36.263	26.63		1519.7							
12.9	08S	T00469	14.56	35.869	26.76		1514.8							
12.9	08S	00557	13.90	35.849	26.88		1514.0							
12.9	08S	T00734	11.26	35.702	27.29		1507.8							
12.9	08S	00927	08.70	35.318	27.43		1501.3							
12.9	08S	T01475	04.66	35.050	27.78		1494.1							

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REFID 31 2204 YEAR 1973 BOTOP 04451 AIR TEMP 18.4 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0006 MONTH 04 SHIP BX WET BULB 15.0 32 4 4 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 06 N DAY 16 OATA USE 1 BAROMETR 1025.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 30 W HOUR 17.9 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG E84 006 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
17.9	08S	00000	18.41	36.381	26.24		1519.3							
17.9	08S	00031	18.23	36.344	26.26		1519.3							
17.9	08S	00058	18.28	36.384	26.28		1519.9							
17.9	08S	00090	17.91	36.352	26.35		1519.3							
17.9	08S	00116	17.56	36.346	26.43		1518.7							

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REFID 31 2204 YEAR 1973 BOTOP 04867 AIR TEMP 19.0 DIR HGT PER WIND-DIR 32 INST NANSEN CAST TEN SQ 1206  
 CUNSEC 0007 MONTH 04 SHIP BX WET BULB 16.2 32 2 3 WIND-SPO 11 TRACE DIR 5 SQUARE 2  
 LAT 34 47 N DAY 19 OATA USE 1 BAROMETR 1024.4 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 54 W HOUR 13.7 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E84 007 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SI03	PH
13.7	08S	00000	18.28	36.317	26.23		1518.9							
13.7	08S	00025	18.21	36.322	26.25		1519.1							
13.7	08S	00049	18.18	36.324	26.26		1519.4							
13.7	08S	00074	18.06	36.337	26.30		1519.5							
13.7	08S	00099	17.62	36.340	26.41		1518.6							
13.7	08S	00149	17.24	36.302	26.47		1518.3							
13.7	08S	T00203	16.95	36.266	26.51		1518.3							
13.7	08S	00303	15.87	36.139	26.67		1516.5							
13.7	08S	00402	14.82	35.961	26.77		1514.6							
13.7	08S	00506	13.47	35.799	26.93		1511.7							
13.7	08S	T00606	11.72	35.559	27.09		1507.2							
13.7	08S	T00805	09.22	35.527	27.51		1501.4							
13.7	08S	T01006	06.43	35.119	27.61		1493.6							
17.8	08S	T02003	03.81	34.994	27.82		1499.5							
17.8	08S	T02499	03.45	34.966	27.84		1506.4							
17.8	08S	02988	02.99	34.950	27.87		1512.8							
17.8	08S	T03493	02.53	34.920	27.88		1519.6							
17.8	08S	T03989	02.34											
17.8	08S	04383	02.28	34.893	27.88		1534.2							

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TABLE LXIII.—Continued

REFID 31 2204 YEAR 1973 BOTDP 02259 AIR TEMP 17.6 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 04 SHIP BX WET BULB 14.3 23 0 2 WIND-SPD 09 TRACE DIR 5 SQUARE 4  
 LAT 35 15 N DAY 20 DATA USE 1 BAROMETR 1018.5 SEA WIND-FUR 09 DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 12.2 AREA 05 CLOUD T/A 8/5 CL/TR 7/0 WEATHER X1 ORIG E84 008 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.2	085	C0000	18.37	36.395	26.26		1519.2							
12.2	085	00025	18.34	36.398	26.27		1519.6							
12.2	085	00049	18.22	36.395	26.30		1519.6							
12.2	085	00074	18.22	36.394	26.30		1520.0							
12.2	085	00099	18.17	36.388	26.31		1520.3							
12.2	085	00148	17.63	36.318	26.39		1519.4							
12.2	085	T00202	17.28	36.311	26.47		1519.3							
12.2	085	00301	16.91	36.319	26.56		1519.8							
12.2	085	00399	15.74	36.117	26.68		1517.6							
12.2	085	00503	14.49	35.943	26.83		1515.2							
12.2	085	00601	13.18	35.747	26.95		1512.3							
12.2	085	T00799	09.73	35.489	27.40		1503.2							
12.2	085	T01001	07.44	35.288	27.60		1497.6							

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REFID 31 2204 YEAR 1973 BOTOP 03277 AIR TEMP 15.2 DIR HGT PER WIND-DIR 30 INST NANSEN CAST TEN SQ 1204  
 CONSEC 0009 MONTH 04 SHIP BX WET BULB 13.5 22 2 4 WIND-SPD 14 TRACE DIR 5 SQUARE 4  
 LAT 35 05 N DAY 21 DATA USE 1 BAROMETR 1006.5 SEA WIND-FUR 09 DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.5 AREA 05 CLOUD T/A 5/8 CL/TR WEATHER X5 ORIG E84 009 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.5	085	00000	18.09	36.352	26.30		1518.4							
12.5	085	00026	18.15	36.389	26.32		1519.0							
12.5	085	00048	18.02	36.383	26.34		1519.0							
12.5	085	00075	18.02	36.387	26.35		1519.4							
12.5	085	00096	17.96	36.398	26.37		1519.6							
12.5	085	00144	17.83	36.422	26.42		1520.1							
12.5	085	T00192	17.73	36.416	26.44		1520.6							
12.5	085	00288	17.17	36.353	26.53		1520.4							
12.5	085	00385	16.84	36.311	26.58		1521.0							
12.5	085	T00482	15.45	36.077	26.72		1518.0							
12.5	085	T00580	14.16	35.907	26.87		1515.3							
12.5	085	T00782	11.50	35.595	27.16		1509.3							

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REFID 31 2204 YEAR 1973 BOTOP 04465 AIR TEMP 18.0 DIR HGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 04 SHIP BX WET BULB 15.8 31 3 4 WIND-SPD 03 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 25 DATA USE 1 BAROMETR 1010.9 SEA WIND-FUR 09 DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.5 AREA 05 CLOUD T/A 6/2 CL/TR WEATHER X1 ORIG E84 010 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	S103	PH
12.5	085	00000	18.02	36.397	26.35		1518.2							
12.5	085	00025	17.95	36.398	26.37		1518.4							
12.5	085	00050	17.93	36.400	26.38		1518.8							
12.5	085	00075	17.93	36.398	26.38		1519.2							
12.5	085	00100	17.95	36.398	26.37		1519.7							
12.5	085	00150	17.86	36.422	26.41		1520.3							
12.5	085	T00205	17.66	36.386	26.43		1520.5							
12.5	085	00305	17.08	36.350	26.55		1520.4							
12.5	085	00405	15.73	36.113	26.68		1517.7							
12.5	085	T00510	14.68	35.988	26.82		1516.0							
12.5	085	00610	13.65	35.827	26.92		1514.1							
12.5	085	T00809	10.60	35.590	27.33		1506.6							
12.5	085	01012	07.52	35.262	27.57		1498.1							
12.5	085	T01519	04.75	35.168	27.86		1495.4							

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REFID 31 2204 YEAR 1973 BOTOP 04465 AIR TEMP 17.8 DIR HGT PER WIND-DIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 05 SHIP BX WET BULB 15.9 04 2 4 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 01 DATA USE 1 BAROMETR 1020.3 SEA WIND-FUR 09 DURATION 2 SQUARE 48  
 LONG 049 23 W HOUR 18.0 AREA 05 CLOUD T/A 5/7 CL/TR WEATHER X1 ORIG E84 011 1 SQUARE 59

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
18.0	085	00000	18.23	36.407	26.31		1518.8							
18.0	085	00023	18.07	36.390	26.34		1518.7							
18.0	085	00047	17.83	36.394	26.40		1518.4							
18.0	085	00070	17.79	36.385	26.40		1518.7							
18.0	085	00093	17.83	36.392	26.40		1519.2							
18.0	085	00140	17.85	36.393	26.39		1520.0							
18.0	085	00191	17.47	36.337	26.44		1519.7							
18.0	085	00284	17.02	36.351	26.56		1519.9							
18.0	085	00377	16.32	36.226	26.63		1519.2							
18.0	085	T00475	15.66	36.091	26.68		1518.6							
18.0	085	00568	14.53	35.956	26.83		1516.4							
18.0	085	T00754	11.23	35.564	27.19		1507.9							
18.0	085	00945	07.36	35.099	27.47		1496.2							
18.0	085	T01420	04.70	35.045	27.77		1493.4							

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TABLE LXIII.—Continued

REFID 31 2204	YEAR 1973	BOTDP 04855	AIR TEMP 18.2	OIR HGT PER	WIND-DIR 30	INST NANSEN CAST	TEN SQ 1206
CONSEC 0012	MONTH 05	SHIP BX	WET UULB 14.9	30 1 3	WIND-SPD 05	TRACE OIR	5 SQUARE 4
LAT 35 29 N	DAY 02	DATA USE 1	BAPCMETR 1020.5	SEA	WIND-FJR	DURATION	2 SQUARE 4B
LONG 049 08 W	HOOR 16.5	AREA 05	CLOUD T/A 8/2	CL/TR	WEATHER X1	ORIG E84 012	1 SQUARE 59

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNUPTH	SND VEL	UXYG	PO4	TGT P	NO2	NO3	SIO3	PH
16.5	UBS	00000	18.14	36.403	26.33		1518.6							
16.5	UBS	00025	17.96	36.399	26.37		1519.5							
16.5	UBS	00050	17.82	36.396	26.40		1519.5							
16.5	UBS	00075	17.85	36.396	26.39		1519.0							
16.5	UBS	00100	17.82	36.395	26.40		1519.3							
16.5	UBS	00150	17.78	36.400	26.42		1520.0							
16.5	UBS	T00205	17.53	36.391	26.47		1520.2							
16.5	UBS	00304	16.93	36.314	26.56		1519.9							
16.5	UBS	00403	16.38	36.206	26.60		1519.8							
16.5	UBS	T00506	15.38	36.069	26.73		1519.2							
16.5	UBS	T00604	14.04	35.877	26.87		1515.3							
16.5	UBS	T00799	10.60	35.597	27.33		1506.4							

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TABLE LXIV.—Observed and interpolated oceanographic data for stations taken by USCGC ESCANABA at Ocean Station ECHO, 3 May 1973 - 23 May 1973, prepared from NODC listing No. 31 - 2197.

REFID 31 2197 YEAR 1973 BOTOP 04189 AIR TEMP 18.2 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0001 MONTH 05 SHIP EN WET BULB 15.6 29 3 2 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 04 DATA USE 1 BAROMETR 1015.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 35 W HOUR 13.3 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG E85 001 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.3	085	00000	18.16	36.413	26.33		1518.6							
13.3	085	00025	17.91											
13.3	085	00046	17.83											
13.3	085	00071	17.80											
13.3	085	00097	17.82	36.409	26.41		1519.3							
13.3	085	00141	17.81	36.394	26.40		1519.9							
13.3	085	T00181	17.79	36.391	26.41		1520.5							
13.3	085	00269	17.36	36.347	26.48		1520.7							
13.3	085	00356	16.76	36.326	26.61		1520.3							
13.3	085	T00442	15.71	36.122	26.69		1518.2							
13.3	085	00528	15.02	36.012	26.76		1517.4							
13.3	085	00705	12.05	35.493	26.98		1509.8							
13.3	085	T00882	08.66	35.151	27.31		1500.1							
13.3	085	T01370	04.90	35.047	27.75		1493.4							

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REFID 31 2197 YEAR 1973 BOTOP 03643 AIR TEMP 18.0 DIR HGT PER WIND-DIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0002 MONTH 05 SHIP EN WET BULB 15.0 30 3 3 WIND-SPO 10 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 05 DATA USE 1 BAROMETR 1018.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.8 AREA 05 CLOUD T/A 8/1 CL/TR WEATHER X1 ORIG E85 002 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	18.13	36.414	26.34		1518.6							
12.8	085	00023	18.01	36.409	26.37		1518.6							
12.8	085	00047	17.71	36.400	26.43		1518.1							
12.8	085	00070	17.63	36.403	26.45		1518.2							
12.8	085	00093	17.64	36.392	26.44		1518.6							
12.8	085	00140	17.51	36.367	26.46		1519.0							
12.8	085	T00190	17.02	36.323	26.54		1518.3							
12.8	085	00283	16.92	36.327	26.57		1519.6							
12.8	085	00376	15.52	36.083	26.71		1516.5							
12.8	085	T00473	14.56	35.933	26.80		1514.9							
12.8	085	00567	13.17	35.708	26.92		1511.6							
12.8	085	00754	09.91	35.303	27.22		1502.8							
12.8	085	T00947	07.57	35.246	27.55		1497.2							
12.8	085	T01434	04.79	35.048	27.76		1494.0							

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REFID 31 2197 YEAR 1973 BOTOP 04779 AIR TEMP 20.8 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0003 MONTH 05 SHIP EN WET BULB 16.7 36 1 2 WIND-SPO 00 TRACE DIR 5 SQUARE 2  
 LAT 34 50 N DAY 06 DATA USE 1 BAROMETR 1022.9 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 13.0 AREA 05 CLOUD T/A 4/2 CL/TR WEATHER X1 ORIG E85 003 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	17.97	36.344	26.33		1518.0							
13.0	085	00024	17.39	36.341	26.47		1516.7							
13.0	085	00048	17.43	36.368	26.48		1517.3							
13.0	085	00072	17.34	36.355	26.49		1517.4							
13.0	085	00096	17.24	36.340	26.50		1517.5							
13.0	085	00144	17.07	36.316	26.52		1517.7							
13.0	085	T00196	16.84	36.300	26.57		1517.9							
13.0	085	00289	16.26	36.199	26.63		1517.5							
13.0	085	00380	15.13	36.018	26.74		1515.3							
13.0	085	T00471	14.49	35.941	26.83		1514.7							
13.0	085	T00558	13.52	35.802	26.92		1512.8							
13.0	085	00739	09.94	35.270	27.19		1502.7							
13.0	085	00931	07.49	35.199	27.53		1496.6							
13.0	085	T01426	04.69	35.042	27.76		1493.4							

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TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BDTOP 04005 AIR TEMP 18.5 DIR HGT PER WIND-DIR 20 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 05 SHIP EN WET BULB 16.4 03 2 3 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 07 DATA USE 1 BAROMETR 1021.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.7 AREA 05 CLOUD T/A 8/8 CL/TR /17 WEATHER X2 ORIG EBS 004 1 SQUARE 58

CASNUM/IME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
12.7	085	00000	18.56	36.363	26.19		1519.7							
12.7	085	00024	17.86	36.354	26.36		1518.1							
12.7	085	00044	17.31	36.293	26.45		1516.7							
12.7	085	00067	17.11	36.303	26.50		1516.5							
12.7	085	00087	17.08	36.317	26.52		1516.8							
12.7	085	00130	17.03	36.306	26.53		1517.3							
12.7	085	T00172	16.96	36.304	26.54		1517.8							
12.7	085	00268	16.69	36.260	26.57		1518.5							
12.7	085	T00401	15.67	36.105	26.69		1517.4							
12.7	085	T00470	14.73	35.959	26.79		1515.4							
12.7	085	T00614	13.13	35.736	26.95		1512.3							
12.7	085	T00763	10.34	35.335	27.17		1504.6							
12.7	085	T01169	05.82	35.115	27.69		1493.8							

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REFID 31 2197 YEAR 1973 BDTOP 02540 AIR TEMP 19.9 DIR HGT PER WIND-DIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 05 SHIP EN WET BULB 17.0 18 2 4 WIND-SPD 05 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 08 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 12.6 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG EBS 005 1 SQUARE 58

CASNUM/IME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P34	TOT P	NO2	NO3	SIO3	PH
12.6	085	00000	18.57	36.378	26.20		1519.8							
12.6	085	00024	17.92	36.362	26.35		1518.3							
12.6	085	00047	17.37	36.300	26.44		1517.0							
12.6	085	00071	17.34	36.327	26.47		1517.3							
12.6	085	00141	17.26	36.320	26.48		1518.2							
12.6	085	00192	17.09	36.322	26.52		1518.6							
12.6	085	00286	16.87	36.294	26.56		1519.4							
12.6	085	00379	15.85	36.122	26.66		1517.6							
12.6	085	T00478	15.17	36.033	26.75		1517.0							

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REFID 31 2197 YEAR 1973 BDTOP 04568 AIR TEMP 18.6 DIR HGT PER WIND-DIR 26 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 05 SHIP EN WET BULB 16.1 25 4 4 WIND-SPD 13 TRACE DIR 5 SQUARE 4  
 LAT 35 04 N DAY 09 DATA USE 1 BAROMETR 1020.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 12.3 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG EBS 006 1 SQUARE 58

CASNUM/IME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.3	085	00000	18.77	36.336	26.12		1520.3							
12.3	085	00029	17.91	36.339	26.34		1516.3							
12.3	085	00054	17.57	36.328	26.41		1517.7							
12.3	085	00083	17.23	36.322	26.49		1517.2							
12.3	085	00108	17.09	36.317	26.52		1517.2							
12.3	085	00162	16.89	36.295	26.55		1517.4							
12.3	085	T00216	16.51	36.233	26.59		1517.1							
12.3	085	00324	15.72	36.106	26.68		1516.3							
12.3	085	00432	14.68	35.969	26.81		1514.7							
12.3	085	T00540	13.46	35.788	26.93		1512.2							
12.3	085	00648	12.33	35.623	27.03		1510.0							
12.3	085	00869	08.78	35.257	27.37		1500.5							
12.3	085	T01085	06.50	35.172	27.64		1495.2							
12.3	085	T01625	04.63	35.078	27.80		1490.6							
14.5	085	T02185	03.64	34.984	27.83		1501.8							
14.5	085	02731	03.18	34.964	27.86		1509.2							
14.5	085	03273	02.74	34.934	27.88		1516.7							
14.5	085	T03755	02.44	35.007	27.96		1523.9							

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REFID 31 2197 YEAR 1973 BDTOP 01569 AIR TEMP 18.8 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 05 SHIP EN WET BULB 16.1 26 4 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 10 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 10 W HOUR 13.2 AREA 05 CLOUD T/A 3/3 CL/TR WEATHER X1 ORIG EBS 007 1 SQUARE 58

CASNUM/IME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNO VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
13.2	085	00000	18.56	36.412	26.23		1519.8							
13.2	085	00020	18.42	36.393	26.25		1519.7							
13.2	085	00039	17.88	36.383	26.38		1518.4							
13.2	085	00059	17.81	36.393	26.40		1518.6							
13.2	085	00079	17.80	36.398	26.41		1518.9							
13.2	085	00119	17.79	36.395	26.41		1519.5							
13.2	085	T00162	17.75	36.398	26.42		1520.1							
13.2	085	00241	17.70	36.389	26.43		1521.2							
13.2	085	00321		36.330										
13.2	085	T00404	16.48	36.245	26.61		1520.1							

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TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BOTOP 04063 AIR TEMP 18.0 DIR HGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 05 SHIP EN WET BULB 15.9 31 4 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 10 N DAY 11 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 15 W HOUR 12.7 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E85 008 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.7	085	00000	18.63	36.349	26.16		1519.9							
12.7	085	00024	18.13	36.390	26.32		1518.9							
12.7	085	00049	17.88	36.395	26.39		1518.6							
12.7	085	00074	17.83	36.394	26.40		1518.9							
12.7	085	00099	17.82	36.397	26.40		1519.3							
12.7	085	00149	17.78	36.393	26.41		1520.0							
12.7	085	00303	17.02	36.306	26.53		1520.2							
12.7	085	00403	16.70	36.274	26.58		1520.8							
12.7	085	T00507	15.25	36.036	26.73		1517.8							
12.7	085	00607	14.07	35.870	26.86		1515.4							
12.7	085	00806	11.04	35.435	27.13		1507.9							
12.7	085	T01010	07.92	35.166	27.44		1499.5							
12.7	085	T01518	04.82	35.054	27.76		1495.5							

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REFID 31 2197 YEAR 1973 BOTOP 03501 AIR TEMP 19.4 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 05 SHIP EN WET BULB 16.3 00 U 0 WIND-SPD 00 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 12 DATA USE 1 BAROMETR 1027.7 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.7 AREA 05 CLOUD T/A 4/6 CL/TR WEATHER X1 ORIG E85 009 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.7	085	00000	19.02	36.407	26.11		1521.1							
12.7	085	00025	18.40	36.394	26.26		1519.7							
12.7	085	00049	17.91	36.386	26.37		1518.7							
12.7	085	00074	17.81	36.386	26.40		1518.8							
12.7	085	00099	17.81	36.391	26.40		1519.2							
12.7	085	00148	17.74	36.386	26.41		1519.8							
12.7	085	T00198	17.71	36.387	26.42		1520.6							
12.7	085	00297	17.30	36.357	26.50		1520.9							
12.7	085	00396	16.36	36.201	26.60		1519.6							
12.7	085	T00495	15.21	36.035	26.74		1517.4							
12.7	085	00594	14.19	35.884	26.85		1515.6							
12.7	085	00792		35.567										
12.7	085	T00990	07.54	35.123	27.46		1497.6							
12.7	085	T01486	04.77	35.043	27.76		1494.8							

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REFID 31 2197 YEAR 1973 BOTOP 04330 AIR TEMP 20.0 DIR HGT PER WIND-DIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 05 SHIP EN WET BULB 17.7 18 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 13 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 00 W HOUR 13.0 AREA 05 CLOUD T/A 4/7 CL/TR WEATHER X1 ORIG E85 010 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
13.0	085	00000	19.29	36.420	26.05		1521.8							
13.0	085	00025	18.60	36.396	26.21		1520.3							
13.0	085	00050	17.81	36.388	26.40		1518.4							
13.0	085	00075		36.387										
13.0	085	00100	17.79	36.394	26.41		1519.2							
13.0	085	00149	17.70	36.382	26.42		1519.7							
13.0	085	00204		36.366										
13.0	085	00304	17.14	36.335	26.52		1520.6							
13.0	085	00403	16.38	36.216	26.61		1519.8							
13.0	085	T00508	15.06	36.003	26.75		1517.1							
13.0	085	00608	14.19	35.879	26.84		1515.9							
13.0	085	00807		35.487										
13.0	085	T01011	07.66	35.177	27.48		1498.5							
13.0	085	T01520	04.39	35.002	27.77		1493.7							

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REFID 31 2197 YEAR 1973 BOTOP 04682 AIR TEMP 20.7 DIR HGT PER WIND-DIR 23 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 05 SHIP EN WET BULB 19.8 23 2 4 WIND-SPD 08 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 14 DATA USE 1 BAROMETR 1031.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 12.6 AREA 05 CLOUD T/A 4/7 CL/TR WEATHER X1 ORIG E85 011 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PU4	TOT P	NO2	NO3	SI03	PH
12.6	085	00000	19.27	36.395	26.03		1521.8							
12.6	085	00025	18.46	36.388	26.24		1519.9							
12.6	085	00049	18.04	36.384	26.34		1519.1							
12.6	085	00074	17.95	36.397	26.37		1519.2							
12.6	085	00098	17.94	36.389	26.37		1519.6							
12.6	085	00147	17.87	36.394	26.39		1520.2							
12.6	085	00300	17.18	36.335	26.51		1520.6							
12.6	085	00398	16.55	36.237	26.59		1520.2							
12.6	085	T00502	15.12	36.014	26.74		1517.3							
12.6	085	00600	13.93	35.821	26.85		1514.8							
12.6	085	00797	10.60	35.384	27.17		1506.1							
12.6	085	T00999	07.12	35.137	27.53		1496.2							
12.6	085	T01501	04.48	35.022	27.77		1493.8							

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TABLE LXIV.—Continued

REFID	31	2197	YEAR	1973	BOTOP	04217	AIR TEMP	20.3	DIR HGT PER	WIND-OIR	25	INST NANSEN	CAST	TEN SQ	1206	
CONSEC		0012	MONTH	05	SHIP EN		WET BULB	19.7	00 0 0	#IND-SPO	05	TRACE OIR		5 SQUARE	2	
LAT	34	40	N	DAY	15	DATA USE	1	BAROMETR	1032.9	SEA		DURATION		2 SQUARE	46	
LONG	047	48	W	HOUR	12.1	AREA	05	CLOUD T/A	8/7	CL/TR		WEATHER	X1	ORIG E85	012	
															1 SQUARE	47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	19.53	36.412	25.98		1522.5							
12.1	085	00024	18.33	36.354	26.24		1519.5							
12.1	085	00048	17.97	36.359	26.34		1518.8							
12.1	085	00072	17.74	36.350	26.39		1518.5							
12.1	085	00097	17.67	36.362	26.41		1518.4							
12.1	085	00145	17.20	36.289	26.47		1518.1							
12.1	085	00198		36.313										
12.1	085	00295	17.18	36.252	26.45	*	1520.4							
12.1	085	00391	15.61	36.073	26.68		1517.0							
12.1	085	T00493	14.34	35.909	26.83		1514.5							
12.1	085	00590	13.23	35.714	26.92		1512.2							

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REFID	31	2197	YEAR	1973	BOTOP	03539	AIR TEMP	20.8	DIR HGT PER	WIND-OIR	13	INST NANSEN	CAST	TEN SQ	1206	
CONSEC		0013	MONTH	05	SHIP EN		WET BULB	19.6	00 0 0	WIND-SPO	03	TRACE OIR		5 SQUARE	4	
LAT	35	00	N	DAY	16	DATA USE	1	BAROMETR	1031.4	SEA		DURATION		2 SQUARE	48	
LONG	048	00	W	HOUR	12.8	AREA	05	CLOUD T/A	6/8	CL/TR		WEATHER	X2	ORIG E85	013	
															1 SQUARE	58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	19.78	36.408	25.91		1523.2							
12.8	085	00025	18.28	36.417	26.30		1519.4							
12.8	085	00050	17.88	36.376	26.37		1518.6							
12.8	085	00075	17.84	36.376	26.38		1518.9							
12.8	085	00100	17.80	36.374	26.39		1519.2							
12.8	085	00150	17.54	36.369	26.45		1519.3							
12.8	085	00205		36.380										
12.8	085	00305	16.93	36.293	26.54		1519.9							
12.8	085	00405	16.07	36.155	26.64		1518.8							
12.8	085	T00539	14.74	35.943	26.77		1516.1							
12.8	085	00609	13.79	35.808	26.87		1514.5							
12.8	085	00809		35.244										
12.8	085	01014	06.62	35.091	27.56		1494.4							
12.8	085	T01523	04.41	35.008	27.77		1493.9							

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REFID	31	2197	YEAR	1973	BOTOP	04845	AIR TEMP	20.9	DIR HGT PER	WIND-OIR	15	INST NANSEN	CAST	TEN SQ	1206	
CONSEC		0014	MONTH	05	SHIP EN		WET BULB	19.0	15 1 2	WIND-SPO	06	TRACE OIR		5 SQUARE	2	
LAT	34	50	N	DAY	17	DATA USE	1	BAROMETR	1030.8	SEA		DURATION		2 SQUARE	48	
LONG	048	00	W	HOUR	12.8	AREA	05	CLOUD T/A	8/2	CL/TR	/21	WEATHER	X1	ORIG E85	014	
															1 SQUARE	48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	20.26	36.414	25.79		1524.5							
12.8	085	00024	18.46	36.391	26.24		1519.9							
12.8	085	00073	17.71	36.389	26.42		1518.5							
12.8	085	00097	17.65	36.388	26.44		1516.7							
12.8	085	00146	17.56	36.385	26.46		1519.3							
12.8	085	T00199	17.41	36.367	26.48		1519.7							
12.8	085	00297	17.19	36.332	26.51		1520.6							

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REFID	31	2197	YEAR	1973	BOTOP	04136	AIR TEMP	20.9	DIR HGT PER	WIND-OIR	13	INST NANSEN	CAST	TEN SQ	1206	
CONSEC		0015	MONTH	05	SHIP EN		WET BULB	19.1	18 1 2	WIND-SPO	07	TRACE OIR		5 SQUARE	4	
LAT	35	00	N	DAY	18	DATA USE	1	BAROMETR	1028.4	SEA		DURATION		2 SQUARE	48	
LONG	048	00	W	HOUR	12.7	AREA	05	CLOUD T/A	8/2	CL/TR		WEATHER	X1	ORIG E85	015	
															1 SQUARE	58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	OYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.7	085	00000	20.21	36.410	25.80		1524.4							
12.7	085	00021	18.22	36.408	26.31		1519.2							
12.7	085	00043	17.98	36.406	26.37		1518.8							
12.7	085	00064	17.87	36.400	26.39		1518.9							
12.7	085	00085	17.84	36.406	26.41		1519.1							
12.7	085	00128	17.72	36.403	26.43		1519.5							
12.7	085	T00175	17.55	36.391	26.47		1519.7							
12.7	085	00259	17.08	36.330	26.53		1519.6							
12.7	085	00345	16.35	36.233	26.63		1518.7							
12.7	085	T00434	15.17	36.036	26.75		1516.3							

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TABLE LXIV.—Continued

REFID 31 2197 YEAR 1973 BOTOP 04781 AIR TEMP 21.8 OIR HGT PER WIND-OIR 18 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 05 SHIP EN WET BULB 19.5 18 0 2 WIND-SPD 06 TRACE OIR 5 SQUARE 2  
 LAT 34 40 N DAY 19 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 46 W HOUR 12.7 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG EBS 016 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.7	OBS	00000	20.58	36.240	25.57		1525.1							
12.7	OBS	00025	18.77	36.289	26.08		1520.6							
12.7	OBS	00050	17.84	36.310	26.33		1518.4							
12.7	OBS	00074	17.38	36.279	26.42		1517.4							
12.7	OBS	00099	17.31	36.284	26.44		1517.6							
12.7	OBS	00149	16.97	36.265	26.51		1517.4							
12.7	OBS	T00204	16.60	36.240	26.58		1517.2							

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REFID 31 2197 YEAR 1973 BOTOP 04781 AIR TEMP 21.1 OIR HGT PER WIND-OIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 05 SHIP EN WET BULB 19.3 20 1 2 WIND-SPD 14 TRACE OIR 5 SQUARE 2  
 LAT 34 50 N DAY 20 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 50 W HOUR 12.9 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X2 ORIG EBS 017 1 SQUARE 47

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.9	OBS	00000	20.56	36.282	25.61		1525.1							
12.9	OBS	00025	18.29	36.242	26.17		1519.2							
12.9	OBS	00046	17.38	36.249	26.40		1516.9							
12.9	OBS	00071	17.13	36.249	26.46		1516.6							
12.9	OBS	00092	16.94	36.252	26.51		1516.4							
12.9	OBS	00138	16.36	36.190	26.60		1515.3							
12.9	OBS	T00187	15.96	36.128	26.64		1514.8							
12.9	OBS	00274	15.02	35.957	26.72		1513.1							
12.9	OBS	00363	14.31	35.891	26.83		1512.2							
12.9	OBS	T00451	13.36	35.760	26.93		1510.4							
12.9	OBS	00539	12.22	35.578	27.01		1507.8							
12.9	OBS	00716		35.234										
12.9	OBS	T00885	07.27	35.164	27.53		1494.9							
12.9	OBS	T01294	04.64	34.998	27.74		1491.0							

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REFID 31 2197 YEAR 1973 BOTOP 04821 AIR TEMP 20.2 OIR HGT PER WIND-OIR 36 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 05 SHIP EN WET BULB 18.3 36 4 2 WIND-SPD 18 TRACE OIR 5 SQUARE 2  
 LAT 34 40 N DAY 21 DATA USE 1 BAROMETR 1010.4 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.2 AREA 05 CLOUD T/A 6/7 CL/TR WEATHER X1 ORIG EBS 018 1 SQUARE 48

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.2	OBS	00000	20.21	36.087	25.55		1524.0							
12.2	OBS	00030	18.53	36.352	26.15		1520.1							
12.2	OBS	00055	17.46	36.303	26.42		1517.4							
12.2	OBS	00084	17.34	36.348	26.48		1517.6							
12.2	OBS	00109	17.17	36.304	26.45		1517.4							
12.2	OBS	00163	16.93	36.294	26.54		1517.6							
12.2	OBS	T00217	16.47	36.233	26.60		1517.0							
12.2	OBS	00326		36.064										
12.2	OBS	U0434	14.24	35.877	26.83		1513.2							
12.2	OBS	T00542	13.03	35.694	26.94		1510.7							
12.2	OBS	00650	11.29	35.442	27.08		1506.2							
12.2	OBS	00671		35.158										
12.2	OBS	T01089	05.77	35.104	27.69		1492.3							
12.2	OBS	T01636	04.25	34.978	27.76		1495.1							
14.2	OBS	T01730	04.19	34.995	27.78		1496.4							
14.2	OBS	T02173	03.65	34.971	27.82		1501.6							
14.2	OBS	02645	03.25	34.945	27.84		1508.0							
14.2	OBS	T03112	02.83	34.925	27.86		1514.3							
14.2	OBS	T03342	02.69	34.915	27.87		1517.7							

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REFID 31 2197 YEAR 1973 BOTOP 05026 AIR TEMP 18.8 OIR HGT PER WIND-OIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 05 SHIP EN WET BULB 16.5 20 4 2 WIND-SPD 09 TRACE OIR 5 SQUARE 4  
 LAT 35 20 N DAY 22 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 049 45 W HOUR 12.6 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG EBS 019 1 SQUARE 59

CASTNUM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.6	OBS	00000	20.32	36.403	25.76		1524.6							
12.6	OBS	00024	18.86	36.459	26.19		1521.1							
12.6	OBS	00048	18.26	36.418	26.31		1519.7							
12.6	OBS	00072	17.97	36.389	26.36		1519.3							
12.6	OBS	00097	17.88	36.385	26.38		1519.4							
12.6	OBS	00145	17.75	36.385	26.41		1519.8							
12.6	OBS	T00198	17.59	36.369	26.44		1520.2							
12.6	OBS	00294	17.13	36.338	26.53		1520.4							
12.6	OBS	00390	16.59	36.249	26.59		1520.2							
12.6	OBS	T00492	15.36	36.047	26.72		1517.9							
12.6	OBS	T00589	14.35	35.905	26.83		1516.1							
12.6	OBS	00783	11.71	35.517	27.06		1510.0							
12.6	OBS	T00982	08.26	35.210	27.42		1500.4							
12.6	OBS	T01484	04.57	35.009	27.75		1493.9							

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TABLE LXV.—Observed and interpolated oceanographic data for stations taken by USCGC BOUTWELL at Ocean Station ECHO, 23 May 1973 - 12 June 1973, prepared from NODC listing No. 31 - 2219.

REFID	31	2219	YEAR	1973	BOTOP	02816	AIR TEMP	19.4	OIR HGT	PER	WIND-OIR	18	INST NANSEN	CAST	TEN SQ	1206				
CONSEC	0001		MONTH	05	SHIP	OU	WET BULB	16.0		06	3	3	TRACE OIR		5	SQUARE	4			
LAT	35	20	N	DAY	23	DATA USE	1	BAROMETR	1016.9	SEA			DURATION		2	SQUARE	48			
LONG	049	17	W	HOUR	12.2	AREA	05	CLOUD T/A	6/7	CL/TR			WEATHER	X1	ORIG	E86	001	1	SQUARE	59

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.2	0BS	00000	20.28	36.438	25.80		1524.6							
12.2	0BS	00024	18.99	36.473	26.17		1521.5							
12.2	0BS	00048	18.38	36.456	26.31		1520.1							
12.2	0BS	00073	17.98	36.432	26.39		1519.3							
12.2	0BS	00097	17.88	36.405	26.39		1519.4							
12.2	0BS	00146	17.83	36.397	26.40		1520.1							
12.2	0BS	T00200	17.73	36.391	26.42		1520.7							
12.2	0BS	00298	17.09	36.327	26.53		1520.3							
12.2	0BS	00398	16.70	36.269	26.58		1520.7							
12.2	0BS	00503	15.24	36.040	26.74		1517.7							
12.2	0BS	T00602	14.34	35.913	26.84		1516.3							
12.2	0BS	T00802	12.39	35.661	27.04		1512.8							
12.2	0BS	T01007	08.49	35.237	27.40		1501.7							
12.2	0BS	T01517	04.85	35.055	27.76		1495.6							

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REFID	31	2219	YEAR	1973	BOTOP	03292	AIR TEMP	20.2	OIR HGT	PER	WIND-OIR	29	INST NANSEN	CAST	TEN SQ	1206				
CONSEC	0002		MONTH	05	SHIP	OU	WET BULB	18.7		07	4	3	TRACE OIR		5	SQUARE	4			
LAT	35	00	N	DAY	24	DATA USE	1	BAROMETR	1018.1	SEA			DURATION		2	SQUARE	48			
LONG	048	03	W	HOUR	12.6	AREA	05	CLOUD T/A	6/3	CL/TR	/25		WEATHER	X1	ORIG	E86	002	1	SQUARE	58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.6	0BS	00000	20.21	36.242	25.67		1524.2							
12.6	0BS	00024	18.67	36.322	26.13		1520.4							
12.6	0BS	00048	18.03	36.311	26.25		1518.9							
12.6	0BS	00072	17.59	36.354	26.43		1518.1							
12.6	0BS	00096	17.07	36.281	26.50		1516.9							
12.6	0BS	00144	17.02	36.290	26.52		1517.5							
12.6	0BS	T00197	16.63	36.243	26.57		1517.2							
12.6	0BS	00293	15.74	36.102	26.67		1515.9							
12.6	0BS	00389	14.55	35.924	26.80		1513.5							
12.6	0BS	T00490	13.25	35.744	26.94		1510.7							
12.6	0BS	T00586	12.04	35.577	27.05		1508.0							
12.6	0BS	00780	08.74	35.211	27.34		1498.8							
12.6	0BS	T00979	06.24	35.084	27.61		1492.3							
12.6	0BS	T01476	04.38	35.015	27.78		1493.0							

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REFID	31	2219	YEAR	1973	BOTOP	05029	AIR TEMP	20.2	OIR HGT	PER	WIND-OIR	21	INST NANSEN	CAST	TEN SQ	1206				
CONSEC	0003		MONTH	05	SHIP	OU	WET BULB	17.5		29	3	4	TRACE OIR		5	SQUARE	4			
LAT	35	00	N	DAY	25	DATA USE	1	BAROMETR	1020.4	SEA			DURATION		2	SQUARE	48			
LONG	048	00	W	HOUR	12.9	AREA	05	CLOUD T/A	8/7	CL/TR			WEATHER	X1	ORIG	E86	003	1	SQUARE	58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.9	0BS	00000	20.58	36.251	25.58		1525.2							
12.9	0BS	00025	19.34	36.281	25.93		1522.2							
12.9	0BS	00050	18.20	36.295	26.23		1519.4							
12.9	0BS	00075	17.72	36.309	26.36		1518.5							
12.9	0BS	00100	17.26	36.297	26.46		1517.5							
12.9	0BS	00150	17.03	36.281	26.51		1517.6							

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REFID	31	2219	YEAR	1973	BOTOP	04206	AIR TEMP	21.0	OIR HGT	PER	WIND-OIR	24	INST NANSEN	CAST	TEN SQ	1206				
CONSEC	0004		MONTH	05	SHIP	OU	WET BULB	20.0		24	3	2	TRACE OIR		5	SQUARE	4			
LAT	35	03	N	DAY	26	DATA USE	1	BAROMETR	1019.3	SEA			DURATION		2	SQUARE	48			
LONG	048	05	W	HOUR	12.9	AREA	05	CLOUD T/A	6/8	CL/TR			WEATHER	X2	ORIG	E86	004	1	SQUARE	58

CASNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	PJ4	TOT P	NO2	NO3	S103	PH
12.9	0BS	00000	20.41	36.326	25.68		1524.8							
12.9	0BS	00025	19.66	36.309	25.87		1523.1							
12.9	0BS	00050	17.97	36.308	26.30		1518.8							
12.9	0BS	00075	17.31	36.287	26.44		1517.2							
12.9	0BS	00100	17.20	36.309	26.49		1517.4							
12.9	0BS	00150	17.02	36.283	26.51		1517.6							
12.9	0BS	T00205	16.67	36.242	26.56		1517.4							
12.9	0BS	00305	15.77	36.102	26.66		1516.1							
12.9	0BS	00405	14.57	35.898	26.78		1513.8							
12.9	0BS	00510	13.55	35.795	26.91		1512.1							
12.9	0BS	T00610	11.92	35.545	27.05		1507.9							
12.9	0BS	00810	08.53	35.164	27.34		1498.5							
12.9	0BS	T01015	05.70	35.023	27.63		1490.7							
12.9	0BS	T01525	04.35	35.012	27.78		1493.7							

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TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BUTDP 04206 AIR TEMP 22.0 OIR HGT PER WIND-OIR 19 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 05 SHIP UU WET BULB 20.6 19 3 2 WIND-SPD 22 TRACE OIR 5 SQUARE 4  
 LAT 35 05 N DAY 27 DATA USE 1 BAROMETR 1018.9 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 58 W HOUR 15.7 AREA US CLOUD T/A 6/8 CL/TR WEATHER X2 ORIG E86 005 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PU4	TOT P	NU2	ND3	S103	PH
15.7	DBS	00000	20.72	36.317	25.59		1525.6							
15.7	DBS	00025	18.72	36.317	26.12		1520.5							
15.7	DBS	00045	18.06	36.299	26.27		1519.0							
15.7	DBS	00070	17.60	36.303	26.39		1518.0							
15.7	DBS	00090	17.38	36.290	26.43		1517.7							
15.7	DBS	00134	17.13	36.276	26.48		1517.8							
15.7	DBS	T00183	17.00	36.279	26.51		1518.1							
15.7	DBS	00270	16.38	36.199	26.60		1517.6							
15.7	DBS	00353	15.49	36.039	26.68		1516.0							
15.7	DBS	00433	14.43	35.835	26.76		1513.7							
15.7	DBS	T00510	13.70	35.791	26.88		1512.5							
15.7	DBS	T00661	11.57	35.500	27.08		1507.5							
15.7	DBS	00812	08.95	35.221	27.32		1500.2							
15.7	DBS	T01193	05.02	35.015	27.71		1490.9							

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REFID 31 2219 YEAR 1973 BUTDP 04206 AIR TEMP 20.2 OIR HGT PER WIND-OIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 05 SHIP UU WET BULB 19.8 21 3 2 WIND-SPD 17 TRACE OIR 5 SQUARE 2  
 LAT 34 58 N DAY 28 DATA USE 1 BAROMETR 1018.3 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 04 W HOUR 12.7 AREA 05 CLOUD T/A 6/8 CL/TR /17 WEATHER X6 ORIG E86 006 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PU4	TOT P	NU2	ND3	S103	PH
12.7	DBS	00000	20.32	36.376	25.74		1524.6							
12.7	DBS	00024	18.62	36.426	26.23		1520.4							
12.7	DBS	00047	18.01	36.412	26.37		1519.0							
12.7	DBS	00070	17.96	36.414	26.38		1519.2							
12.7	DBS	00093	17.81	36.420	26.42		1519.2							
12.7	DBS	00140	17.80											
12.7	DBS	00191	17.66	36.392	26.44		1520.3							
12.7	DBS	00286	17.42	36.380	26.49		1521.1							
12.7	DBS	00380	16.76	36.277	26.57		1520.6							
12.7	DBS	00480	15.60	36.081	26.65		1518.5							
12.7	DBS	T00575	13.70	35.811	26.85		1513.6							
12.7	DBS	T00766	09.95	35.272	27.19		1503.1							
12.7	DBS	T00966	06.83	35.074	27.52		1494.4							
12.7	DBS	T01471	04.40	35.025	27.78		1493.0							

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REFID 31 2219 YEAR 1973 BUTDP 04389 AIR TEMP 19.2 OIR HGT PER WIND-OIR 34 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 05 SHIP UU WET BULB 18.0 33 3 3 WIND-SPD 16 TRACE OIR 5 SQUARE 4  
 LAT 35 08 N DAY 29 DATA USE 1 BAROMETR 1019.5 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 55 W HOUR 13.0 AREA 05 CLOUD T/A 8/5 CL/TR WEATHER X1 ORIG E86 007 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PU4	TOT P	NU2	ND3	S103	PH
13.0	DBS	00000	20.30	36.283	25.68		1524.4							
13.0	DBS	00022	20.04	36.283	25.75		1524.1							
13.0	DBS	00044	18.53	36.390	26.22		1520.4							
13.0	DBS	00066	17.90	36.395	26.38		1519.0							
13.0	DBS	00088	17.77	36.388	26.41		1518.9							
13.0	DBS	00132	17.61	36.384	26.45		1519.2							
13.0	DBS	T00180	17.46	36.371	26.47		1519.5							
13.0	DBS	00266	17.26	36.340	26.50		1520.3							
13.0	DBS	00352	16.67	36.260	26.58		1519.9							
13.0	DBS	T00443	15.64	36.079	26.68		1518.0							
13.0	DBS	T00530	14.05	35.829	26.83		1514.1							
13.0	DBS	00703	11.58	35.507	27.08		1508.2							
13.0	DBS	T00880	08.70	35.292	27.41		1500.4							
13.0	DBS	T01325	04.90	35.063	27.76		1492.6							

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REFID 31 2219 YEAR 1973 BUTDP 04114 AIR TEMP 20.2 OIR HGT PER WIND-OIR 05 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 05 SHIP UU WET BULB 18.8 33 2 2 WIND-SPD 12 TRACE OIR 5 SQUARE 4  
 LAT 35 07 N DAY 30 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 59 W HOUR 13.1 AREA US CLOUD T/A 6/5 CL/TR WEATHER X1 ORIG E86 008 1 SQUARE 57

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPH	SND VEL	OXYG	PU4	TOT P	NU2	ND3	S103	PH
13.1	DBS	00000	20.36	36.243	25.63		1524.6							
13.1	DBS	00020	20.21	36.260	25.68		1524.5							
13.1	DBS	00040	18.26	36.395	26.25		1519.6							
13.1	DBS	00050	17.98	36.390	26.36		1518.4							
13.1	DBS	00080	17.67	36.392	26.35		1519.1							
13.1	DBS	00119	17.79	36.391	26.41		1519.5							
13.1	DBS	T00163	17.71	36.396	26.43		1520.0							
13.1	DBS	00239	17.54	36.383	26.46		1520.7							
13.1	DBS	00315	17.37	36.368	26.49		1521.5							
13.1	DBS	00394	16.73	36.270	26.57		1520.7							
13.1	DBS	T00486	16.06	36.143	26.63		1519.7							
13.1	DBS	T00608	14.21	35.861	26.82		1515.9							
13.1	DBS	00755		35.401										
13.1	DBS	T01116	06.00	35.101	27.65		1493.6							

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TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTOP            AIR TEMP 21.0 DIR HGT PER WIND-OIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP DU            WET BULB 18.6 17 2 3 WIND-SPD 13 TRACE OIR            5 SQUARE 2  
 LAT 33 15 N DAY 01 DATA USE 1 BAROMETR 1029.6 SEA WIND-FOR            DURATION            2 SQUARE 26  
 LONG 046 10 W HOUR 17.3 AREA 05 CLOUD T/A 0/1 CL/TR WEATHER X1 ORIG EB6 009            1 SQUARE 36

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	N02	N03	S103	PH
17.3	OBS	00000	21.69	35.968	25.06		1527.8							
17.3	OBS	00025	18.79	36.344	26.12		1520.8							
17.3	OBS	00046	17.76	36.340	26.37		1518.2							
17.3	OBS	00072	17.41	36.333	26.45		1517.6							
17.3	OBS	00094	17.19	36.308	26.45		1517.2							
17.3	OBS	00137	16.90	36.298	26.55		1517.1							
17.3	OBS	T0186	16.51	36.246	26.60		1516.6							
17.3	OBS	00278	15.35	36.058	26.73		1514.3							
17.3	OBS	00372	14.22	35.896	26.85		1512.1							
17.3	OBS	T00466	13.04	35.730	26.97		1509.6							
17.3	OBS	00555	11.47	35.506	27.10		1505.4							
17.3	OBS	T00750	07.86	35.182	27.46		1495.0							
17.3	OBS	00903	06.74	35.242	27.66		1493.4							
17.3	OBS	T01443	04.22	35.007	27.79		1491.7							

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REFID 31 2219 YEAR 1973 BOTOP 04480 AIR TEMP 20.9 DIR HGT PER WIND-OIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0010 MONTH 06 SHIP DU            WET BULB 18.2 14 2 2 WIND-SPD 14 TRACE OIR            5 SQUARE 4  
 LAT 35 00 N DAY 02 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR            DURATION            2 SQUARE 48  
 LONG 048 00 W HOUR 13.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG EB6 010            1 SQUARE 59

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	N02	N03	S103	PH
13.2	OBS	00000	21.13	36.316	25.48		1526.7							
13.2	OBS	00032	19.56	36.350	25.92		1523.0							
13.2	OBS	00059	17.98	36.387	26.36		1519.1							
13.2	OBS	00090	17.78	36.392	26.41		1519.0							
13.2	OBS	00118	17.67	36.382	26.43		1519.1							
13.2	OBS	00176	17.59	36.391	26.46		1519.9							
13.2	OBS	T00235	17.54	36.396	26.47		1520.7							
13.2	OBS	00353	17.09	36.338	26.54		1521.2							
13.2	OBS	00470	15.82	36.108	26.66		1519.0							
13.2	OBS	T00592	13.62	35.766	26.88		1513.6							
13.2	OBS	T00710	10.35	35.327	27.17		1503.7							
13.2	OBS	00945	07.52	35.261	27.57		1497.0							
13.2	OBS	T01180	05.01	35.018	27.71		1490.6							
13.2	OBS	T01773	04.09	35.007	27.80		1496.7							

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REFID 31 2219 YEAR 1973 BOTOP 03658 AIR TEMP 21.3 DIR HGT PER WIND-OIR 15 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0011 MONTH 06 SHIP DU            WET BULB 19.2 18 4 3 WIND-SPD 23 TRACE OIR            5 SQUARE 4  
 LAT 35 10 N DAY 03 DATA USE 1 BAROMETR 1022.7 SEA WIND-FOR            DURATION            2 SQUARE 48  
 LONG 048 15 W HOUR 13.7 AREA 05 CLOUD T/A 3/7 CL/TR WEATHER X1 ORIG EB6 011            1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	N02	N03	S103	PH
13.7	OBS	00000	20.97	36.356	25.55		1526.3							
13.7	OBS	00020	19.81	36.362	25.87		1523.5							
13.7	OBS	00036	18.15	36.385	26.31		1519.2							
13.7	OBS	00055	18.15	36.389	26.32		1519.5							
13.7	OBS	00072	17.83	36.400	26.40		1518.9							
13.7	OBS	00108	17.60	36.393	26.44		1518.9							
13.7	OBS	T00144	17.52	36.381	26.46		1519.1							
13.7	OBS	00216	17.35	36.365	26.49		1519.8							
13.7	OBS	00288	17.04	36.331	26.54		1520.0							
13.7	OBS	T00361	16.54	36.258	26.61		1519.6							
13.7	OBS	T00434	15.78	36.125	26.68		1518.3							
13.7	OBS	T00583	14.03	35.861	26.86		1514.9							

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REFID 31 2219 YEAR 1973 BOTOP 04389 AIR TEMP 19.4 DIR HGT PER WIND-OIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0012 MONTH 06 SHIP DU            WET BULB 19.1 18 3 4 WIND-SPD 30 TRACE OIR            5 SQUARE 2  
 LAT 34 55 N DAY 04 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR            DURATION            2 SQUARE 46  
 LONG 047 56 W HOUR 13.5 AREA 05 CLOUD T/A 7/8 CL/TR WEATHER X6 ORIG EB6 012            1 SQUARE 47

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	N02	N03	S103	PH
13.5	OBS	00000	20.97	36.276	25.49		1526.2							
13.5	OBS	00024	19.55	36.356	25.93		1522.9							
13.5	OBS	00047	18.28	36.383	26.28		1519.7							
13.5	OBS	00070	17.95	36.399	26.37		1519.2							
13.5	OBS	00094	17.77	36.392	26.41		1519.0							
13.5	OBS	00141	17.63	36.392	26.45		1519.4							
13.5	OBS	T00192	17.52	36.389	26.47		1519.9							
13.5	OBS	00287	17.32	36.356	26.49		1520.8							
13.5	OBS	00381	16.83	36.303	26.57		1520.9							
13.5	OBS	T00481	15.30	36.021	26.71		1517.5							
13.5	OBS	T00577	13.53	35.693	26.84		1513.0							
13.5	OBS	00770	09.78	35.298	27.24		1502.6							
13.5	OBS	T00969	07.31	35.232	27.58		1496.5							
13.5	OBS	T01472	04.33	34.994	27.77		1492.7							

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TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTOP 04755 AIR TEMP 21.0 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0013 MONTH 06 SHIP 00 WET BULB 19.0 07 1 2 WIND-SPD 06 TRACE DIR 5 SQUARE 4  
 LAT 35 02 N DAY 05 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 17 W HOUR 12.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E86 013 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.2	085	00000	21.09	36.292	25.47		1526.6							
12.2	085	00025	18.33	36.370	26.26		1519.5							
12.2	085	00049	18.01	36.346	26.32		1518.9							
12.2	085	00074	17.82	36.347	26.37		1518.8							
12.2	085	00099	17.76	36.387	26.41		1519.1							
12.2	085	00148	17.61	36.383	26.44		1519.4							
12.2	085	T00203	17.50	36.378	26.47		1520.0							
12.2	085	00301	17.06	36.316	26.53		1520.3							
12.2	085	00400	16.25	36.187	26.62		1519.3							
12.2	085	T00504	15.02	35.969	26.73		1516.9							
12.2	085	T00602	13.43	35.746	26.90		1513.1							
12.2	085	T00800	09.13	35.201	27.27		1500.6							
12.2	085	T01003	06.37	35.098	27.60		1493.2							
12.2	085	T01507	04.36	35.000	27.77		1493.4							

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REFID 31 2219 YEAR 1973 BOTOP 04389 AIR TEMP 21.3 DIR HGT PER WIND-DIR 25 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0014 MONTH 06 SHIP 00 WET BULB 20.1 25 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 2  
 LAT 34 54 N DAY 06 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 2 SQUARE 46  
 LONG 047 57 W HOUR 12.5 AREA 05 CLOUD T/A 8/8 CL/TR WEATHER X2 ORIG E86 014 1 SQUARE 47

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.5	085	00000	21.08	36.287	25.47		1526.5							
12.5	085	00026	18.36	36.397	26.27		1519.6							
12.5	085	00048	18.07	36.404	26.35		1519.2							
12.5	085	00075	17.87	36.400	26.39		1519.0							
12.5	085	00097	17.80	36.392	26.40		1519.2							
12.5	085	00145	17.62	36.386	26.44		1519.4							
12.5	085	T00194	17.56	36.404	26.47		1520.1							
12.5	085	00293	17.33	36.378	26.51		1521.0							
12.5	085	00332	16.84	36.304	26.57		1521.1							
12.5	085	T00493	15.25	36.035	26.73		1517.5							
12.5	085	T00589	13.64	35.745	26.86		1513.6							
12.5	085	00804	09.34	35.213	27.25		1501.5							
12.5	085	T01014	06.80	35.192	27.62		1495.2							
12.5	085	T01555	04.30	35.004	27.78		1493.9							

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REFID 31 2219 YEAR 1973 BOTOP 04206 AIR TEMP 18.0 DIR HGT PER WIND-DIR 02 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0015 MONTH 06 SHIP 00 WET BULB 14.3 02 3 2 WIND-SPD 20 TRACE DIR 5 SQUARE 2  
 LAT 34 48 N DAY 07 DATA USE 1 BAROMETR 1023.1 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 11 W HOUR 12.6 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG E86 015 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.6	085	00000	20.74	36.342	25.60		1525.7							
12.6	085	00026	18.62	36.404	26.21		1520.4							
12.6	085	00048	17.94	36.402	26.38		1518.8							
12.6	085	00074	17.76	36.394	26.42		1518.7							
12.6	085	00096	17.64	36.398	26.45		1518.7							
12.6	085	00144	17.58	36.404	26.47		1519.3							
12.6	085	T00193	17.55	36.411	26.48		1520.0							
12.6	085	00291	17.37	36.379	26.50		1521.1							
12.6	085	00390	16.47	36.235	26.60		1519.8							
12.6	085	T00489	14.91	35.952	26.74		1516.3							
12.6	085	T00589	13.50	35.762	26.90		1513.1							
12.6	085	T00794	09.56	35.267	27.25		1502.2							
12.6	085	T00994	07.17	35.214	27.58		1496.4							
12.6	085	T01503	04.56	35.036	27.78		1494.2							

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REFID 31 2219 YEAR 1973 BOTOP 03840 AIR TEMP 18.6 DIR HGT PER WIND-DIR 04 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0016 MONTH 06 SHIP 00 WET BULB 14.0 36 3 3 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 03 N DAY 08 DATA USE 1 BAROMETR 1024.5 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 13 W HOUR 12.5 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E86 016 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
12.5	085	00000	20.77	36.346	25.60		1525.8							
12.5	085	00028	18.38	36.396	26.26		1519.7							
12.5	085	00051	18.03	36.398	26.35		1519.1							
12.5	085	00078	17.79	36.397	26.41		1518.8							
12.5	085	00101	17.71	36.399	26.43		1519.0							
12.5	085	00152	17.60	36.392	26.45		1519.5							
12.5	085	T00202	17.52	36.399	26.48		1520.1							
12.5	085	00302	17.32	36.365	26.50		1521.1							
12.5	085	00403	16.51	36.249	26.61		1520.2							
12.5	085	T00503	14.99	35.979	26.75		1516.8							
12.5	085	T00602	13.62	35.785	26.89		1513.8							
12.5	085	00805	09.73	35.273	27.23		1503.0							
12.5	085	01003	06.94	35.197	27.60		1495.6							
12.5	085	T01490	04.32											

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TABLE LXV.—Continued

REFID 31 2219 YEAR 1973 BOTOP 04718 AIR TEMP 20.2 DIR HGT PER WIND-DIR 00 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0017 MONTH 06 SHIP 00 WET BULB 14.3 36 4 4 WIND-SPO 00 TRACE DIR 5 SQUARE 2  
 LAT 34 56 N DAY 09 DATA USE 1 BAROMETR 1025.4 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 048 01 W HOUR 13.2 AREA 05 CLOUD T/A 0/2 CL/TR WEATHER X1 ORIG E86 017 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NQ2	NQ3	S103	PH
13.2	0BS	00000	20.99	36.352	25.54		1526.4							
13.2	0BS	00024	18.62	36.352	26.17		1520.3							
13.2	0BS	00047	17.98	36.403	26.37		1518.9							
13.2	0BS	00071	17.65	36.400	26.40		1518.9							
13.2	0BS	00095	17.78	36.409	26.42		1519.1							
13.2	0BS	00142	17.68	36.400	26.44		1519.6							
13.2	0BS	T00194	17.57	36.389	26.46		1520.1							
13.2	0BS	00289	17.37	36.373	26.49		1521.1							
13.2	0BS	00382	16.80	36.300	26.58		1520.8							
13.2	0BS	T00478	15.10	35.980	26.72		1516.8							
13.2	0BS	T00568	14.17	35.869	26.84		1515.1							
13.2	0BS	T00746	09.62	35.239	27.22		1501.6							
13.2	0BS	T00930	07.39	35.242	27.57		1496.2							
13.2	0BS	T11387	04.77	35.040	27.75		1493.1							

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REFID 31 2219 YEAR 1973 BOTOP 04755 AIR TEMP 20.0 DIR HGT PER WIND-DIR 09 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0018 MONTH 06 SHIP 00 WET BULB 17.9 16 2 2 WIND-SPO 07 TRACE DIR 5 SQUARE 2  
 LAT 34 55 N DAY 10 DATA USE 1 BAROMETR 1022.3 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 13.1 AREA 05 CLOUD T/A 1/6 CL/TR WEATHER X1 ORIG E86 018 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NQ2	NQ3	S103	PH
13.1	0BS	00000	20.97	36.219	25.45		1526.2							
13.1	0BS	00025	19.21	36.373	26.03		1522.0							
13.1	0BS	00050	18.04	36.386	26.34		1519.1							
13.1	0BS	00075	17.82	36.388	26.40		1518.9							
13.1	0BS	00100	17.73	36.386	26.42		1519.0							
13.1	0BS	00150	17.58	36.381	26.45		1519.4							
13.1	0BS	T00205	17.53	36.389	26.47		1520.2							
13.1	0BS	00305	17.27	36.345	26.50		1521.0							
13.1	0BS	00405	16.77	36.301	26.58		1521.1							
13.1	0BS	T00510	14.81	35.931	26.75		1516.3							
13.1	0BS	T00610	13.51	35.749	26.89		1513.5							
13.1	0BS	00810	08.74	35.176	27.32		1499.3							
13.1	0BS	T01015	06.92	35.226	27.63		1495.8							
13.1	0BS	T01525	04.46	35.006	27.76		1494.1							

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REFID 31 2219 YEAR 1973 BOTOP 04114 AIR TEMP 21.7 DIR HGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0019 MONTH 06 SHIP 00 WET BULB 20.5 16 3 2 WIND-SPO 15 TRACE DIR 5 SQUARE 4  
 LAT 35 00 N DAY 11 DATA USE 1 BAROMETR 1019.4 SEA WIND-FUR 00 DURATION 2 SQUARE 48  
 LONG 048 05 W HOUR 12.9 AREA 05 CLOUD T/A 8/6 CL/TR WEATHER X1 ORIG E86 019 1 SQUARE 58

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NQ2	NQ3	S103	PH
12.9	0BS	00000	21.20	36.336	25.47		1526.9							
12.9	0BS	00024	20.54	36.355	25.67		1525.6							
12.9	0BS	00045	18.06	36.381	26.33		1519.1							
12.9	0BS	00069	17.84	36.382	26.39		1518.8							
12.9	0BS	00088	17.73	36.387	26.42		1518.8							
12.9	0BS	00132	17.62	36.379	26.44		1519.2							
12.9	0BS	T00176	17.52	36.377	26.46		1519.6							
12.9	0BS	00262	17.38	36.357	26.48		1520.6							
12.9	0BS	00348	16.95	36.312	26.55		1520.7							
12.9	0BS	00433	15.90	36.135	26.66		1518.7							
12.9	0BS	T00518	14.80	35.960	26.77		1516.4							
12.9	0BS	T00699	11.49	35.493	27.09		1507.8							
12.9	0BS	T00889	07.96	35.150	27.42		1497.6							
12.9	0BS	T01380	04.52	35.006	27.76		1491.9							

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REFID 31 2219 YEAR 1973 BOTOP 04938 AIR TEMP 21.0 DIR HGT PER WIND-DIR 24 INST NANSEN CAST TEN SQ 1207  
 CONSEC 0020 MONTH 06 SHIP 00 WET BULB 18.8 25 3 2 WIND-SPO 17 TRACE DIR 5 SQUARE 3  
 LAT 36 45 N DAY 12 DATA USE 1 BAROMETR 1017.7 SEA WIND-FUR 00 DURATION 2 SQUARE 60  
 LONG 050 06 W HOUR 13.0 AREA 05 CLOUD T/A 0/7 CL/TR WEATHER X1 ORIG E86 020 1 SQUARE 60

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SNO VEL	OXYG	P04	TOT P	NQ2	NQ3	S103	PH
13.0	0BS	00000	21.03	36.421	25.54		1526.6							
13.0	0BS	00026	20.98	36.420	25.60		1526.8							
13.0	0BS	00047	18.89	36.410	26.14		1521.5							
13.0	0BS	00073	18.20	36.389	26.30		1519.9							
13.0	0BS	00095	17.90	36.394	26.38		1519.4							
13.0	0BS	00142	17.67	36.387	26.43		1519.5							
13.0	0BS	T00195	17.54	36.382	26.46		1520.0							
13.0	0BS	00285	17.22	36.355	26.52		1520.5							
13.0	0BS	00380	16.54	36.235	26.59		1519.9							
13.0	0BS	T00476	15.53	36.084	26.71		1518.2							
13.0	0BS	T00571	14.28	35.887	26.83		1516.6							
13.0	0BS	00766	10.88	35.414	27.14		1506.7							
13.0	0BS	T00958	07.64	35.123	27.44		1497.5							
13.0	0BS	T01444	04.61	35.020	27.76		1493.4							

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TABLE LXVI.--Observed and interpolated oceanographic data for stations taken by USCGC INGHAM at Ocean Station ECHO, 12 June 1973 - 30 June 1973, prepared from NODC listing No. 31 - 2221.

REFID	31	2221	YEAR	1973	BOTOP	03665	AIR TEMP	22.2	OIR HGT	PER	WIND-OIR	25	INST NANSEN	CAST	TEN SQ	1206
CONSEC	0001		MONTH	06	SHIP IN		WET BULB	20.8	25	3	2	WIND-SPD	14	TRACE OIR	5	SQUARE 4
LAT	36	30	N	DAY	14	DATA USE	1	BAROMETR	1018.4	SEA	WIND-FUR		DURATION	2	SQUARE 68	
LONG	048	45	W	HOUR	12.1	AREA	05	CLUUD T/A	6/6	CL/TR	WEATHER	X1	ORIG E87	001	1	SQUARE 68

CASSTNM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.1	085	00000	20.70	36.344	25.62		1525.6	05.18						
12.1	085	00029	19.49	36.385	25.97		1522.8	05.60						
12.1	085	00053	18.12	36.411	26.34		1519.4	05.42						
12.1	085	00081	17.85	36.404	26.40		1519.1	05.06						
12.1	085	00105	17.77	36.402	26.42		1519.2	04.99						
12.1	085	00157	17.69	36.400	26.44		1519.8	05.02						
12.1	085	T00209	17.54	36.390	26.47		1520.2	04.95						
12.1	085	00312	17.26	36.357	26.51		1521.1	04.80						
12.1	085	T00415	16.80	36.303	26.58		1521.3	04.63						
12.1	085	00523	15.58	36.098	26.71		1519.1	04.78						
12.1	085	T00629	14.64	35.964	26.81		1517.8	04.81						
12.1	085	T00847	11.73	35.523	27.06		1511.1	04.12						
12.1	085	01073	07.40	35.091	27.45		1498.4	04.01						
12.1	085	T01660	04.37	35.000	27.77		1496.0	05.78						

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REFID	31	2221	YEAR	1973	BOTOP	04360	AIR TEMP	21.4	OIR HGT	PER	WIND-OIR	23	INST NANSEN	CAST	TEN SQ	1206
CONSEC	0002		MONTH	06	SHIP IN		WET BULB	20.0	23	3	2	WIND-SPD	14	TRACE OIR	5	SQUARE 4
LAT	36	40	N	DAY	15	DATA USE	1	BAROMETR	1016.9	SEA	WIND-FUR		DURATION	2	SQUARE 68	
LONG	048	09	W	HOUR	12.0	AREA	05	CLUUD T/A	7/0	CL/TR	WEATHER	X0	ORIG E87	002	1	SQUARE 68

CASSTNM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	20.20	36.314	25.73		1524.2	05.23						
12.0	085	00029	20.10	36.316	25.76		1524.4	05.18						
12.0	085	00053	18.35	36.397	26.27		1520.0	05.49						
12.0	085	00080	17.82	36.395	26.40		1519.0	05.00						
12.0	085	00104	17.78	36.400	26.42		1519.2	04.99						
12.0	085	00154	17.66	36.397	26.44		1519.7	05.05						
12.0	085	T00204	17.51	36.382	26.47		1520.1	04.95						
12.0	085	00303	17.01	36.318	26.54		1520.1	04.92						
12.0	085	T00400	16.82	36.303	26.57		1521.1	04.94						
12.0	085	00498	15.93	36.179	26.69		1519.9	04.99						
12.0	085	T00591	15.36	36.099	26.76		1519.6	04.86						
12.0	085	T00780	13.72	35.848	26.92		1517.1	05.04						
12.0	085	T01500	04.73	35.068	27.78		1494.9	05.35						

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REFID	31	2221	YEAR	1973	BOTOP	04837	AIR TEMP	23.6	OIR HGT	PER	WIND-OIR	10	INST NANSEN	CAST	TEN SQ	1206
CONSEC	0003		MONTH	06	SHIP IN		WET BULB	21.6	10	3	3	WIND-SPD	19	TRACE OIR	5	SQUARE 2
LAT	33	41	N	DAY	23	DATA USE	1	BAROMETR	1024.9	SEA	WIND-FUR		DURATION	2	SQUARE 28	
LONG	049	46	W	HOUR	12.0	AREA	05	CLUUD T/A	8/2	CL/TR	WEATHER	X1	ORIG E87	003	1	SQUARE 39

CASSTNM/TIME	LVLTY	DEPTH	TEMP	SAL	SIGMA-T	DYNOPHT	SND VEL	OXYG	PJ4	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	21.84	36.303	25.26		1528.7	05.02						
12.0	085	00032	21.22	36.315	25.45		1527.5	05.12						
12.0	085	00059	18.21	36.399	26.31		1519.7	05.08						
12.0	085	00090	17.82	36.400	26.41		1519.1	04.95						
12.0	085	00118	17.78	36.401	26.42		1519.5	04.96						
12.0	085	00177	17.74	36.399	26.42		1520.3	05.00						
12.0	085	00223	17.43	36.374	26.48		1520.1	04.82						
12.0	085	00348	16.66	36.265	26.58		1519.8	04.56						
12.0	085	T00463	14.72	35.936	26.77		1515.2	04.48						
12.0	085	T00581	12.87	35.637	26.93		1510.8	03.76						
12.0	085	T00645	09.89	35.244	27.18		1501.7	03.34						
12.0	085	00927	06.64	35.119	27.58		1493.1	04.54						
12.0	085	T01167	05.46	35.121	27.74		1492.3	05.21						

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TABLE LXVI.—Continued

REFID 31 2221 YEAR 1973 BOTOP 04530 AIR TEMP 22.9 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0004 MONTH 06 SHIP IN WET BULB 20.0 08 3 2 WIND-SPO 12 TRACE DIR 5 SQUARE 2  
 LAT 34 30 N DAY 24 DATA USE 1 BAROMETR 1024.1 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 34 W HOUR 11.9 AREA 05 CLOUD T/A 8/2 CL/TR WEATHER X1 ORIG EBT 004 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
11.9	08S	00000	22.57	36.300	25.06		1530.4	05.04						
11.9	08S	00024	21.47	36.296	25.37		1528.0	05.30						
11.9	08S	00048	18.26	36.325	26.24		1519.6	05.61						
11.9	08S	00071	17.65	36.316	26.38		1518.2	05.38						
11.9	08S	00095	17.50	36.326	26.43		1518.2	05.14						
11.9	08S	00114	17.18	36.318	26.50		1518.0	04.90						
11.9	08S	T00192	16.94	36.303	26.55		1518.1	04.84						
11.9	08S	00282	16.13	36.167	26.63		1517.0	04.64						
11.9	08S	T00370	14.81	35.937	26.75		1514.0	04.88						
11.9	08S	T00460	13.54	35.756	26.89		1511.1	03.96						
11.9	08S	T00544	12.69	35.670	26.99		1509.6	04.68						
11.9	08S	T00714	09.85	35.290	27.22		1502.0	03.71						
11.9	08S	T00881	07.52	35.190	27.51		1495.8	04.24						
11.9	08S	T01216	04.07	35.015	27.75		1489.8	05.54						
11.9	08S	T01630	04.07	34.974	27.78		1494.2	05.94						
14.6	08S	T02095	03.80	34.980	27.81		1501.0	05.93						
14.6	08S	T02558	03.33	34.964	27.85		1506.9	05.92						
14.6	08S	03018	02.95	34.934	27.86		1513.2	05.88						
14.6	08S	03477	02.58	34.906	27.87		1519.5	05.97						
14.6	08S	T03556	02.51	34.909	27.88		1520.6	05.94						
14.6	08S	03638	02.45	34.899	27.88		1521.8	06.02						

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REFID 31 2221 YEAR 1973 BOTOP 04689 AIR TEMP 21.9 DIR HGT PER WIND-DIR 06 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0005 MONTH 06 SHIP IN WET BULB 19.1 06 3 2 WIND-SPO 18 TRACE DIR 5 SQUARE 2  
 LAT 34 57 N DAY 25 DATA USE 1 BAROMETR 1028.4 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 12 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG EBT 005 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	21.88	36.372	25.37		1528.2	05.14						
12.2	08S	00024	20.90	36.353	25.57		1526.5	05.32						
12.2	08S	00045	18.58	36.389	26.21		1520.6	05.64						
12.2	08S	00069	18.10	36.406	26.34		1519.6	05.33						
12.2	08S	00089	17.86	36.402	26.40		1519.2	05.09						
12.2	08S	00134	17.73	36.392	26.42		1519.6	05.05						
12.2	08S	00178	17.60	36.387	26.45		1519.9	05.04						
12.2	08S	00267	17.41	36.375	26.49		1520.8	04.98						
12.2	08S	T00355	16.80	36.297	26.57		1520.3	04.56						
12.2	08S	00446	15.71	36.078	26.66		1518.3	04.99						
12.2	08S	T00534	14.88	35.978	26.77		1517.0	04.66						
12.2	08S	00707	11.35	35.433	27.07		1507.4	03.53						
12.2	08S	T00879	07.96	35.106	27.38		1497.4	03.86						
12.2	08S	T01350	04.71	35.024	27.75		1492.2	05.73						

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REFID 31 2221 YEAR 1973 BOTOP 03109 AIR TEMP 22.1 DIR HGT PER WIND-DIR 07 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0006 MONTH 06 SHIP IN WET BULB 19.1 07 3 2 WIND-SPO 16 TRACE DIR 5 SQUARE 2  
 LAT 34 58 N DAY 27 DATA USE 1 BAROMETR 1030.5 SEA WIND-FDR DURATION 2 SQUARE 48  
 LONG 048 30 W HOUR 12.2 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG EBT 006 1 SQUARE 48

CASNUM/TIME	LVLTP	DEPTH	TEMP	SAL	SIGMA-T	DYNPTH	SNO VEL	UXYG	P04	TOT P	NO2	NO3	SI03	PH
12.2	08S	00000	21.88	36.352	25.30		1528.7	05.09						
12.2	08S	00023	20.88	36.359	25.58		1526.5	05.10						
12.2	08S	00041	18.51	36.391	26.23		1520.3	05.44						
12.2	08S	00062	17.82	36.391	26.40		1518.7	05.00						
12.2	08S	00081	17.77	36.396	26.41		1518.8	05.02						
12.2	08S	00123	17.71	36.399	26.43		1519.3	05.04						
12.2	08S	00164	17.55	36.395	26.47		1519.5	05.01						
12.2	08S	00249	17.35	36.379	26.50		1520.4	04.96						
12.2	08S	T00329	16.88	36.305	26.56		1520.2	04.81						
12.2	08S	00411	16.09	36.166	26.64		1519.0	04.52						
12.2	08S	00485	14.65	35.905	26.76		1515.3	04.40						
12.2	08S	00631	13.42	35.757	26.91		1513.6	04.31						
12.2	08S	T00778	10.19	35.277	27.15		1504.2	03.41						

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TABLE LXVI.—Continued

REFID 31 2221 YEAR 1973 BOTOP 05278 AIR TEMP 21.9 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0007 MONTH 06 SHIP IN MET BULB 18.4 08 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 36 40 N DAY 28 DATA USE 1 BAROMETR 1029.2 SEA WIND-FOR DURATION 2 SQUARE 68  
 LONG 048 00 W HOUR 12.0 AREA 05 CLOUD T/A 8/4 CL/TR WEATHER X1 ORIG E87 007 1 SQUARE 68

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.0	085	00000	21.46	36.407	25.46		1527.7	05.23						
12.0	085	00030	20.61	36.436	25.71		1526.0	05.43						
12.0	085	00054	19.57	36.422	25.98		1523.5	05.53						
12.0	085	00084	17.96	36.405	26.37		1519.4	05.29						
12.0	085	00109	17.80	36.401	26.41		1519.4	05.03						
12.0	085	00163	17.70	36.408	26.44		1520.0	05.01						
12.0	085	T00217	17.56	36.394	26.47		1520.4	05.01						
12.0	085	00326	17.18	36.354	26.53		1521.1	04.72						
12.0	085	T00434	16.56	36.256	26.60		1520.9	04.55						
12.0	085	T00543	15.15	36.022	26.74		1518.0	04.38						
12.0	085	T00652	13.74	35.806	26.88		1515.0	04.21						
12.0	085	T00874	09.27	35.197	27.25		1502.3	03.41						
12.0	085	01092	06.38	35.016	27.54		1494.6	04.79						
12.0	085	T01636	04.21	35.000	27.79		1494.9	06.52						

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REFID 31 2221 YEAR 1973 BOTOP 04100 AIR TEMP 22.5 DIR HGT PER WIND-DIR 13 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0008 MONTH 06 SHIP IN MET BULB 19.7 10 2 2 WIND-SPD 12 TRACE DIR 5 SQUARE 4  
 LAT 35 08 N DAY 29 DATA USE 1 BAROMETR 1027.8 SEA WIND-FOR DURATION 2 SQUARE 48  
 LONG 048 22 W HOUR 12.8 AREA 05 CLOUD T/A 3/8 CL/TR WEATHER X2 ORIG E87 008 1 SQUARE 58

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
12.8	085	00000	22.02	36.378	25.28		1529.1	05.07						
12.8	085	00030	20.06	36.393	25.83		1524.4	05.66						
12.8	085	00057		36.413				05.46						
12.8	085	00086	17.86	36.403	26.40		1519.2	05.04						
12.8	085	00112	17.80	36.406	26.42		1519.4	05.03						
12.8	085	00175	17.67	36.399	26.44		1520.1	05.00						
12.8	085	T00224	17.54	36.381	26.46		1520.5	04.97						
12.8	085	00335	17.02	36.333	26.55		1520.7	04.63						
12.8	085	T00447	15.80	36.087	26.65		1518.6	04.99						
12.8	085	T00564	14.68	35.895	26.75		1516.7	04.97						
12.8	085	T00677	13.57	35.763	26.88		1514.8	04.34						
12.8	085	T00911	08.84	35.150	27.28		1501.3	03.50						
12.8	085	T01154	05.37	34.988	27.64		1491.6	05.16						

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REFID 31 2221 YEAR 1973 BOTOP 04720 AIR TEMP 22.1 DIR HGT PER WIND-DIR 08 INST NANSEN CAST TEN SQ 1206  
 CONSEC 0009 MONTH 06 SHIP IN MET BULB 19.2 08 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4  
 LAT 36 29 N DAY 30 DATA USE 1 BAROMETR 1029.2 SEA WIND-FOR DURATION 2 SQUARE 68  
 LONG 049 47 W HOUR 11.9 AREA 05 CLOUD T/A 0/0 CL/TR WEATHER X0 ORIG E87 009 1 SQUARE 69

CASNUM/TIME	LVL TYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SNO VEL	OXYG	PO4	TOT P	NO2	NO3	SI03	PH
11.9	085	00000	21.96	36.360	25.28		1528.9	05.16						
11.9	085	00025	21.59	36.345	25.37		1528.3	05.27						
11.9	085	00050	18.51	36.406	26.24		1520.5	05.70						
11.9	085	00075	17.93	36.390	26.37		1519.2	05.28						
11.9	085	00100	17.80	36.396	26.41		1519.2	05.06						
11.9	085	00150	17.72	36.399	26.43		1519.8	05.01						
11.9	085	T00205	17.60	36.396	26.46		1520.4	05.05						
11.9	085	00305	17.29	36.368	26.51		1521.1	04.80						
11.9	085	T00405	16.78	36.296	26.58		1521.1	04.60						
11.9	085	00510	15.62	36.094	26.69		1519.0	04.73						
11.9	085	T00610	14.78	35.978	26.79		1517.9	04.77						
11.9	085	T00810	12.00	35.558	27.04		1511.5	04.04						
11.9	085	T01015	08.39	35.187	27.38		1501.4	03.93						

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