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Monterey, California



CURRENT METER DATA FROM THE SLOPE WATERS
OFF CENTRAL CALIFORNIA

25 July 1978 - 1 June 1980

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Glenna Pittock
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August 1984

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Monterey, California 93943

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INTRODUCTION

Thirty-five time series of current speed, direction and temperature were acquired over a two-year period from the upper 500m of water over the continental slope off central California. These current meter measurements, in addition to concurrent hydrographic measurements (see Bird, *et al.*, 1984), were made to describe the flow and structure of the slope waters and to study the California Undercurrent as it flows over the continental slope past the central California coast. The current meters were deployed and recovered by the Naval Postgraduate School (NPS); the data were processed by the College of Oceanography at Oregon State University (OSU). The data are available from the National Oceanographic Data Center (NODC) upon request.

DATA ACQUISITION

Aanderaa current meters were moored at three locations along a line running offshore from Cape San Martin. The three locations, Stations 2, 5 and 7, correspond to three of the twelve hydrographic stations which were occupied along the Cape San Martin line. A bathymetric chart which shows the hydrographic stations (dots) and the current meter stations (circles) is provided, Figure 1. Water depths at Stations 2, 5 and 7 are 357, 759 and 915m, respectively. At these stations, the isobaths are oriented approximately 325/145°T.

The 35 time series obtained from the current meters span a two-year period from 25 July 1978 to 1 June 1980, with an average length of 50 days. The sequence of moorings and the positions of the meters in the water column are diagrammed, Figure 2. There were 17 time series at Station 2, the station closest to shore; 4 at Station 5; and 14 at Station 7, the most seaward station. Four of the 35 records returned only temperature data due to malfunctions,

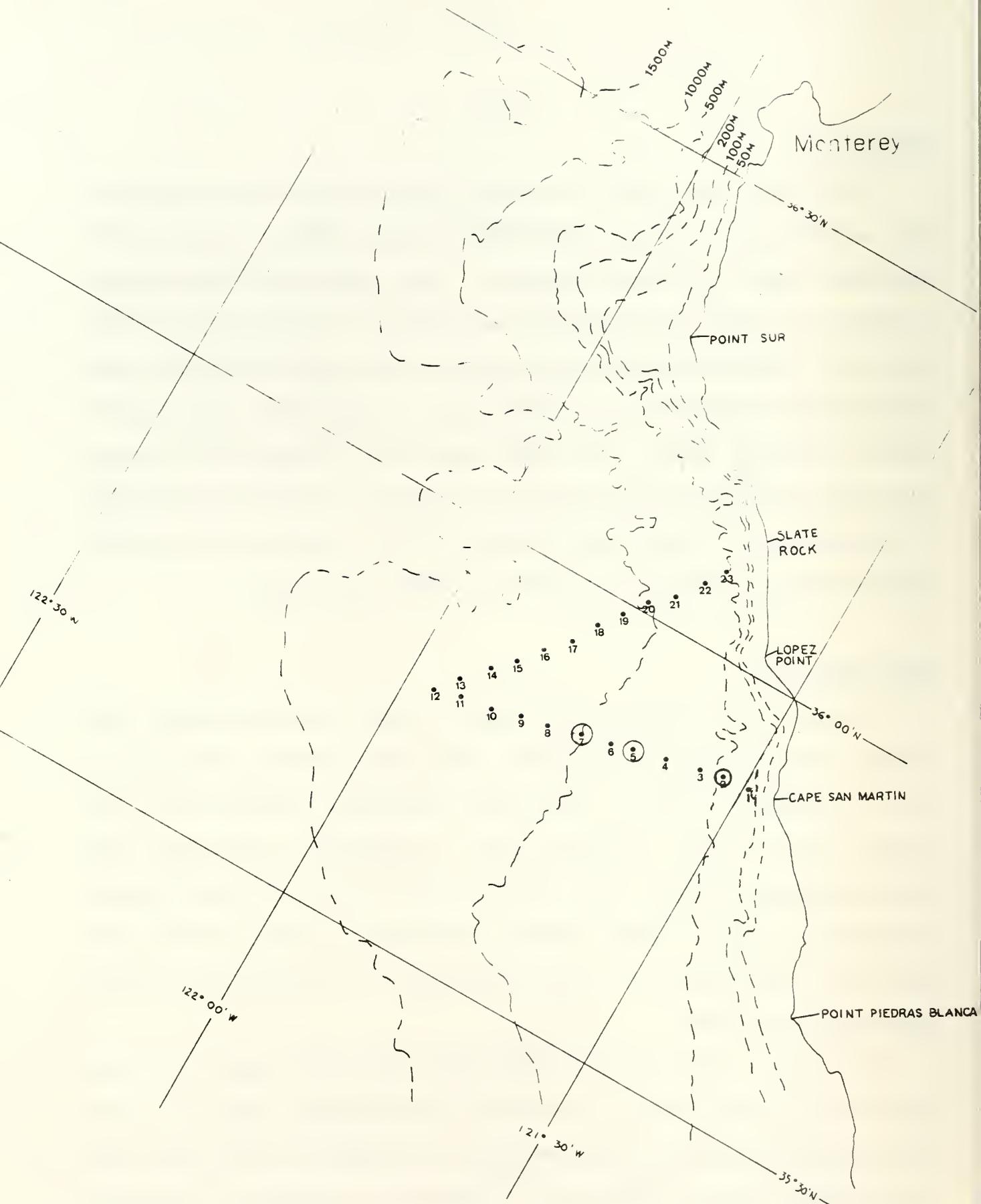


Figure 1. Nominal station chart.

- nominal stations for current meter moorings
- nominal stations for hydrographyic surveys (reported in Bird, et al., 1984)

as indicated by dashed lines, Fig. 2. On eight current meter records, pressure was recorded as a function of time in addition to current speed, direction and temperature. A summary of record number, station location, depth, data interval and length, and variables measured is provided, Table 1.

The Aanderaa Recording Current Meter Model 4 (RCM4) used in this experiment is equipped with a rotor speed sensor, a magnetic compass, a thermistor and, optionally, a pressure sensor to measure horizontal speed, direction, temperature and depth. A linear fit to the manufacturer's calibration was used between 5 and 15°C, and three instruments were checked in a towing tank with good results. The mooring configuration (Figure 3, from Coddington, 1979), had no surface markers so that all mooring elements were at least 90 m below the surface. It was retrieved by an acoustically activated release. The measurements were sampled at 10-minute intervals and recorded digitally on magnetic tape within the instrument. Further details of the instrumentation may be found in Coddington (1979).

DATA PROCESSING

The current meter data were transferred to 9-track tapes and processed by the College of Oceanography at OSU using their well-tested system. The data are presented in chronological order. A header page for each mooring provides the record number, location, date, depth and a table of statistics for each current meter record. The table of statistics gives the arithmetic mean, standard deviation, skewness, kurtosis, maximum and minimum values and the number of 10-minute values recorded for each variable. The true east-west velocity component is U, and V is the true north-south velocity component. Progressive vector diagrams, histograms of the variables, rotary spectra, stick plots, and time series plots follow the table of statistics.

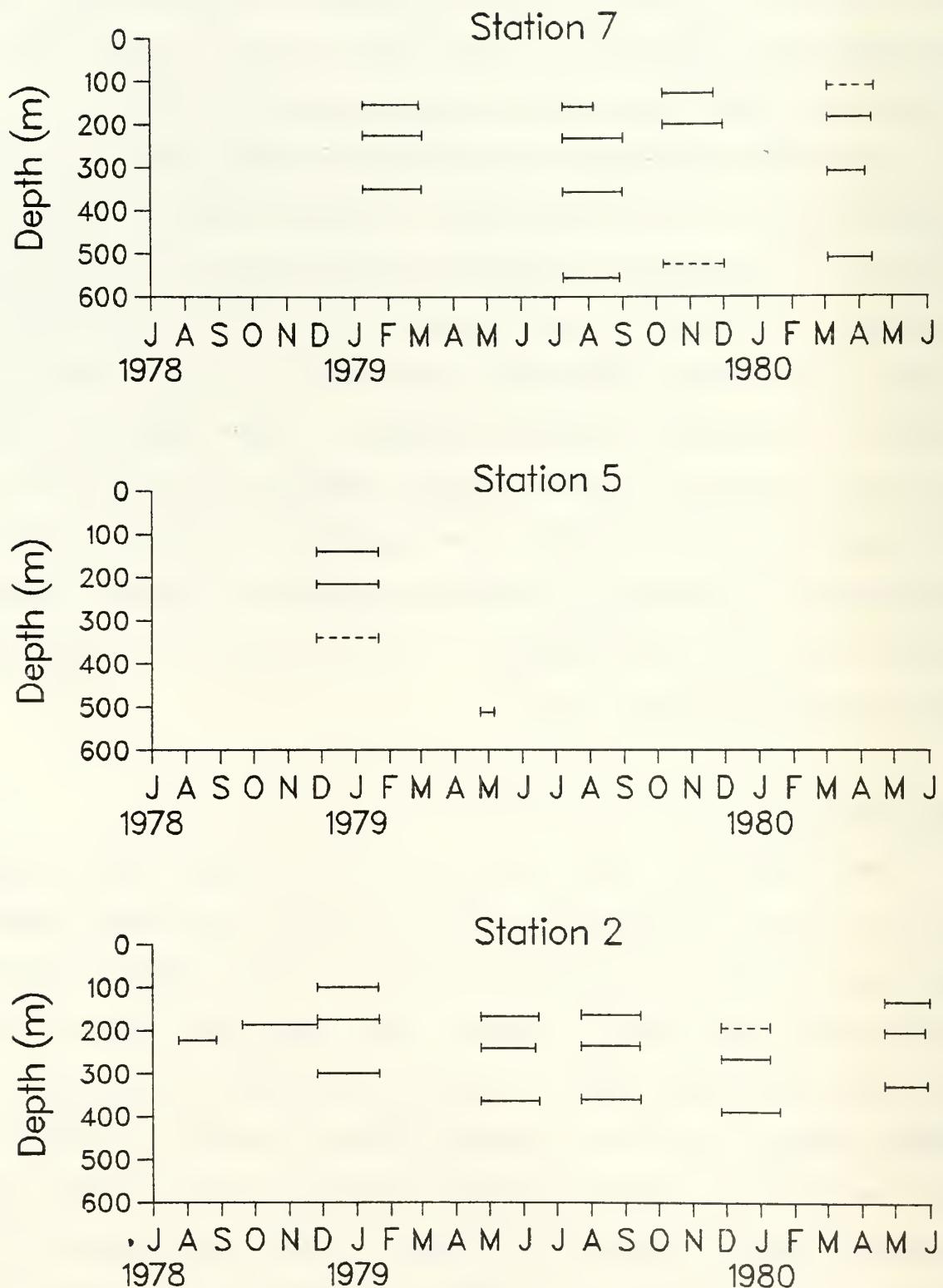


Figure 2. Time-line diagram of current meter data recovered at Station 2 (water depth 357m), Station 5 (water depth 759m) and Station 7 (water depth 915m).

TABLE 1

Record Number	Station Location	Depth (m)	Data Interval	Length (days)	Variables
1	2	223	07/25/78-08/28/78	34	S,D,T
2	2	187	09/20/78-11/27/78	68	S,D,T
3	2	100	11/27/78-01/21/79	55	S,D,T
4	2	175	11/27/78-01/22/79	56	S,D,T
5	2	300	11/27/78-01/22/79	56	S,D,T
6	5	140	11/27/78-01/22/79	56	S,D,T
7	5	215	11/27/78-01/22/79	56	S,D,T
8	5	340	11/27/78-01/22/79	56	T,P
9	7	152	01/09/79-03/01/79	51	S,D,T,P
10	7	223	01/09/79-03/04/79	54	S,D,T
11	7	348	01/09/79-03/03/79	53	S,D,T
12	5	512	04/24/79-05/06/79	12	S,D,T
13	2	169	04/24/79-06/15/79	21	S,D,T
14	2	241	04/24/79-06/12/79	18	S,D,T,P
15	2	364	04/24/79-06/16/79	22	S,D,T
16	7	158	07/10/79-08/06/79	27	S,D,T
17	7	231	07/10/79-09/02/79	54	S,D,T
18	7	356	07/10/79-09/01/79	53	S,D,T,P
19	7	555	07/10/79-08/29/79	50	S,D,T
20	2	165	07/23/79-09/15/79	54	S,D,T
21	2	237	07/23/79-09/14/79	53	S,D,T,P
22	2	360	07/23/79-09/15/79	54	S,D,T
23	7	127	10/08/79-11/23/79	46	S,D,T
24	7	200	10/08/79-12/01/79	54	S,D,T
26*	7	524	10/08/79-12/02/79	55	T
27*	2	194	11/27/79-01/10/80	44	T
28	2	266	11/27/79-01/10/80	44	S,D,T,P
29	2	389	11/27/79-01/19/80	53	S,D,T
30*	7	113	03/04/80-04/15/80	32	T
31	7	186	03/04/80-04/13/80	30	S,D,T
32	7	311	03/04/80-04/07/80	24	S,D,T,P
33	7	510	03/04/80-04/13/80	30	S,D,T
34	2	135	04/22/80-06/01/80	40	S,D,T
35	2	205	04/22/80-05/28/80	36	S,D,T,P
36	2	328	04/22/80-05/30/80	38	S,D,T

*The direction vane was confined within a narrow range, and the velocity data presented should not be used.

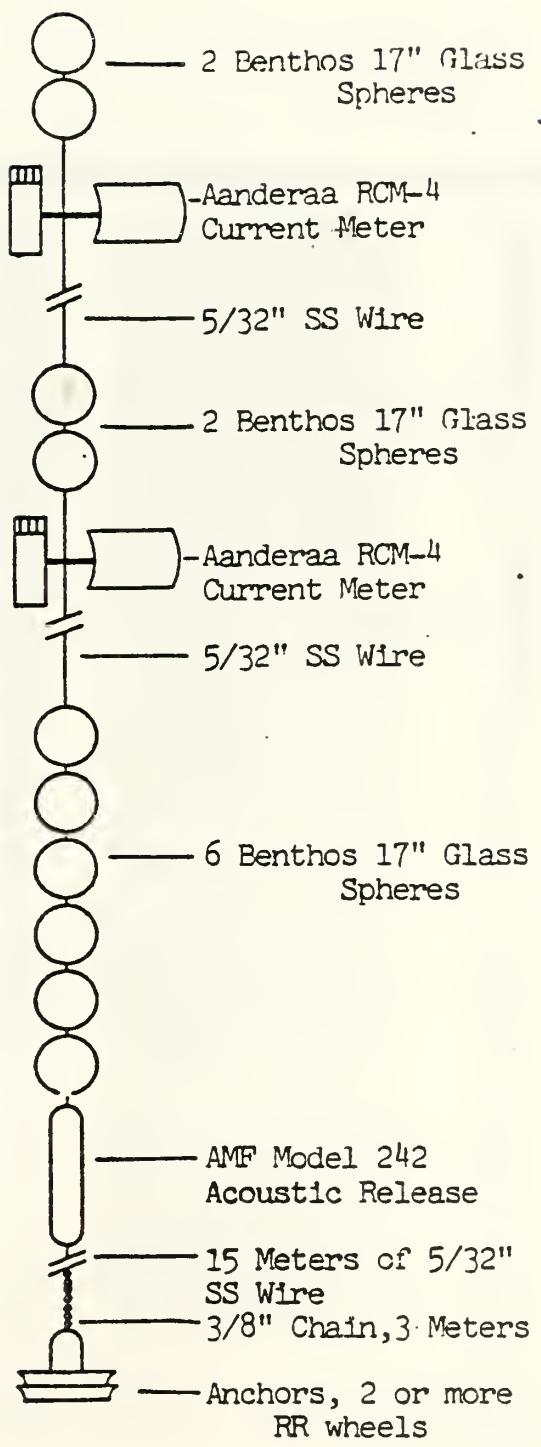


Figure 3. Mooring configuration (from Coddington, 1979).

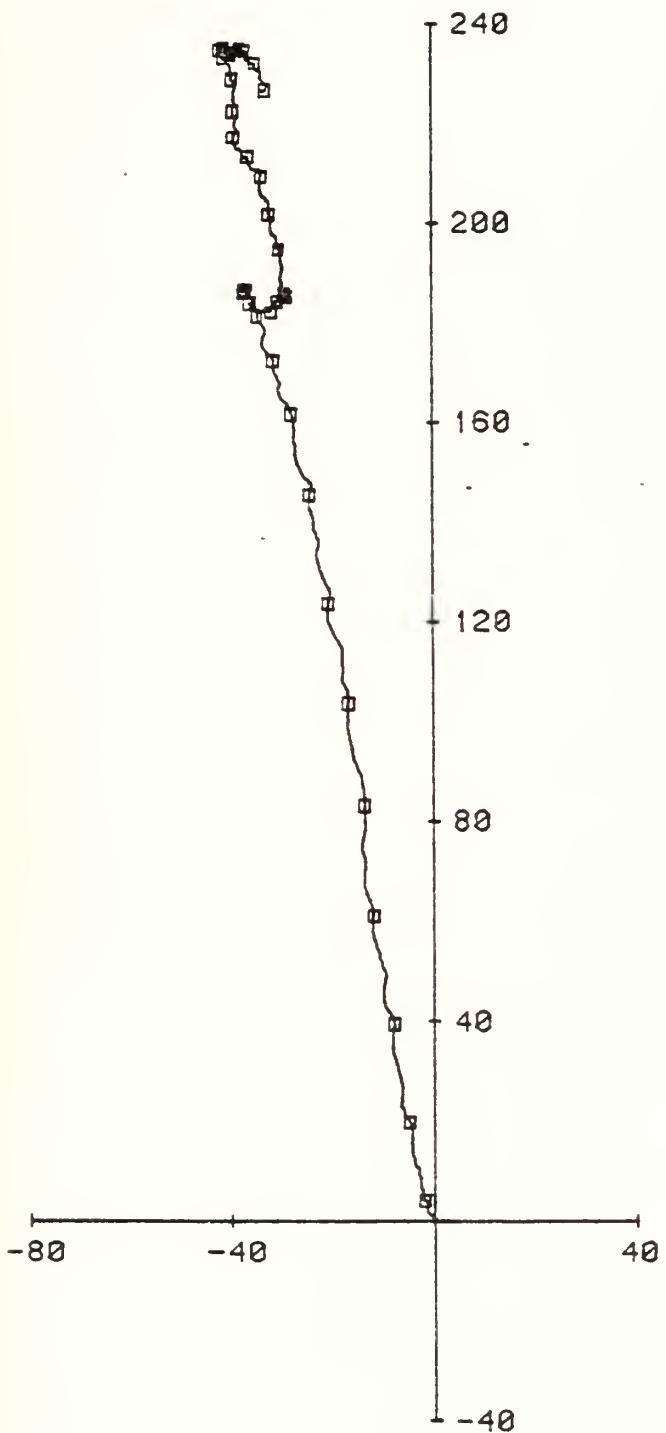
The statistical tables, the progressive vector diagrams (PVDs), and the histograms were made from the unfiltered 10-minute data. Daily intervals are marked in the PVDs, and the units of the axes are kilometers. Hourly averaged data were used for the rotary spectra and for the time series plots. The units of the ordinates in the plots of spectra are $\text{cm}^2\text{s}^{-2}/\text{cpd}$; thus, the spectra are variance spectra.

The stick plots were constructed from time series which were filtered to remove the diurnal tide and higher frequencies. To form this low-low pass (LLP) data series, the hourly averaged data were filtered with a 60 + 1 + 60 Cosine-Lanczos filter with half-amplitude at 40 hours and half-power at 46.6 hours. The data were then resampled at six-hourly intervals and the vectors for the stickplots were constructed from the LLP U and V series.

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25 JUL 78 - 28 AUG 78

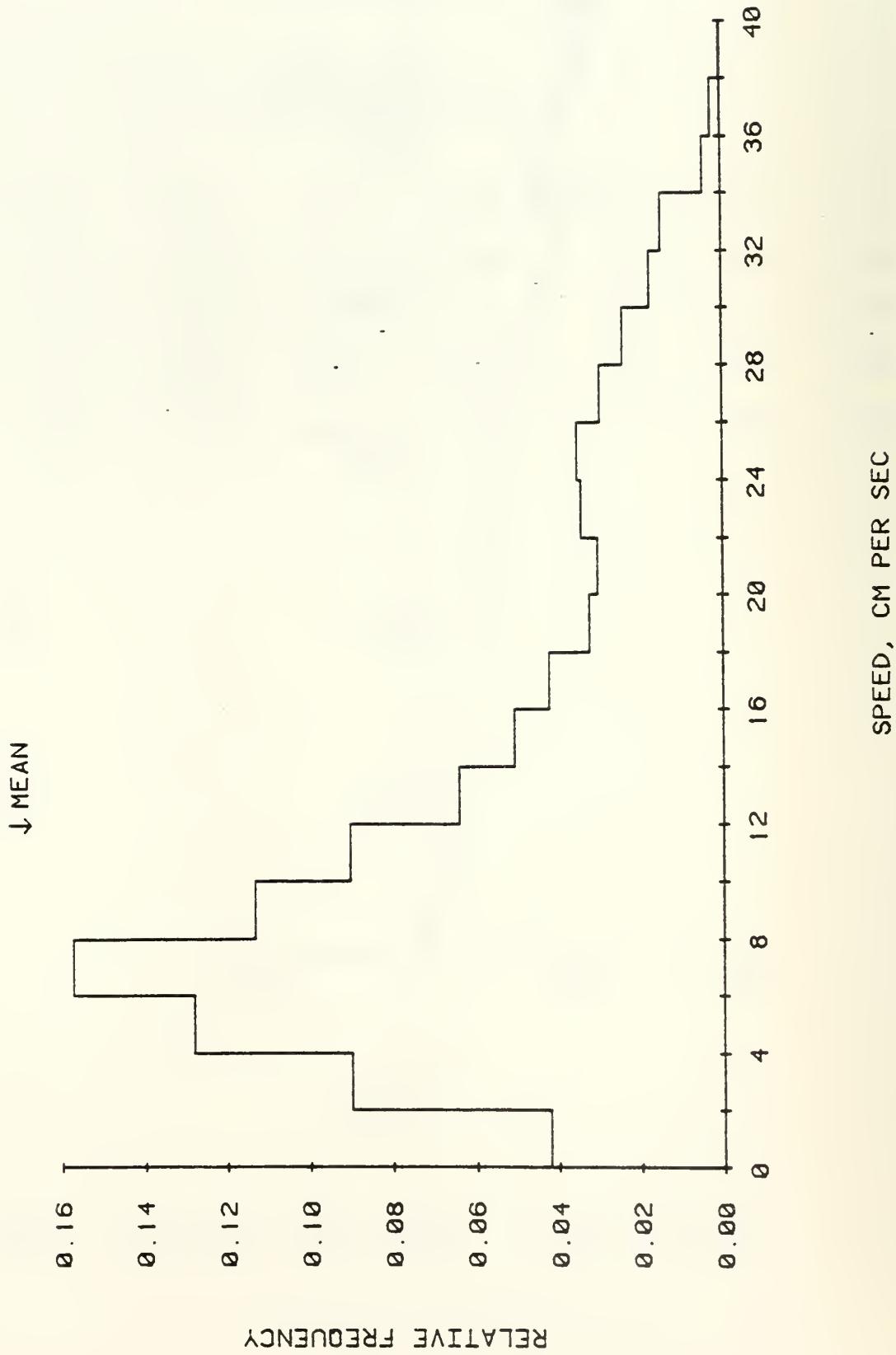
Record #1, Depth 223 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	11.96	8.32	0.91	2.90	0.80	37.30	4886
U(cm/s)	-1.13	6.17	-0.04	3.11	-20.40	24.20	4886
V(cm/s)	7.72	10.64	0.55	2.45	-16.10	36.10	4886
T(°C)	8.68	0.32	-0.02	2.48	7.55	9.48	4886

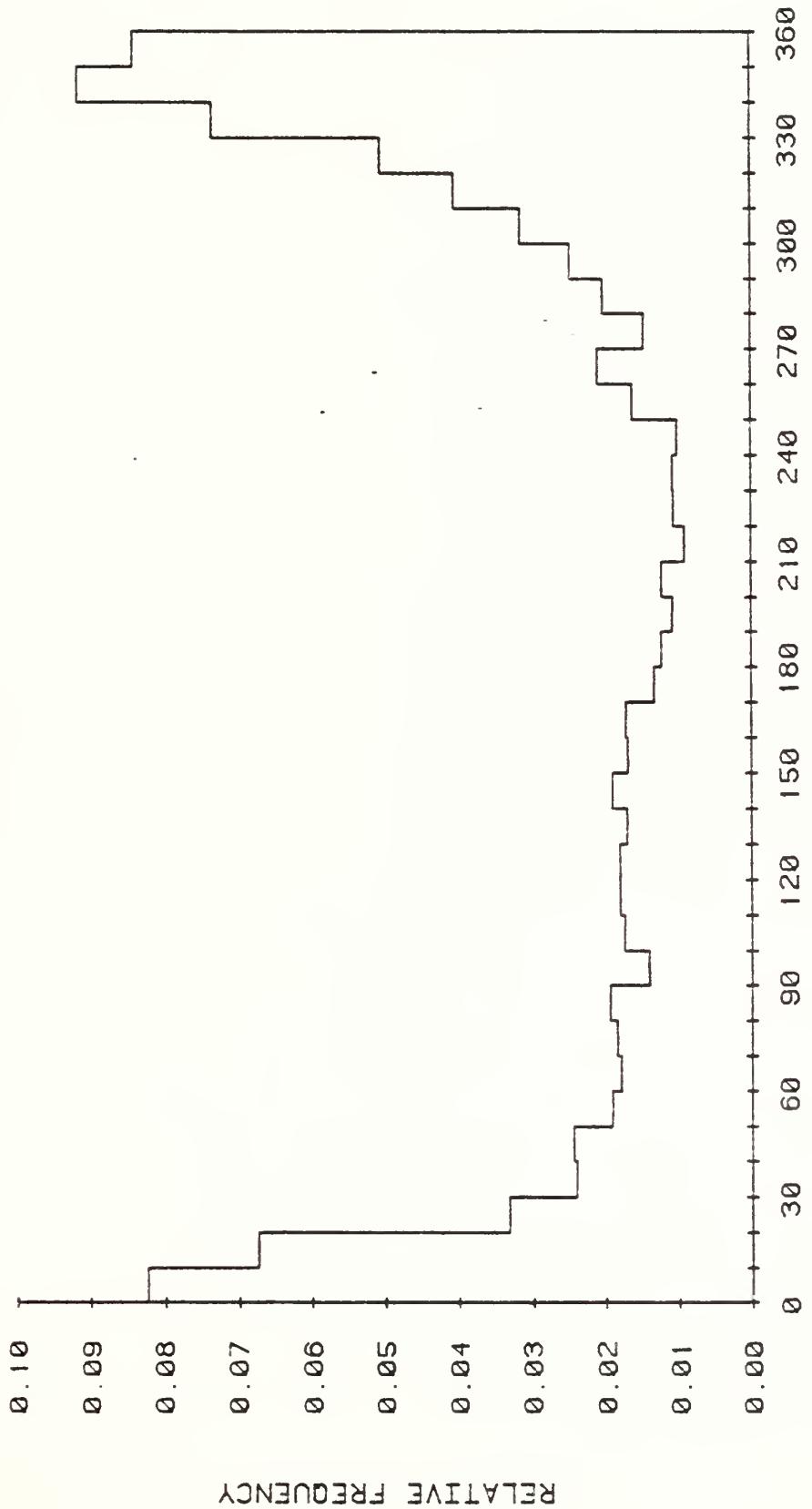


223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.

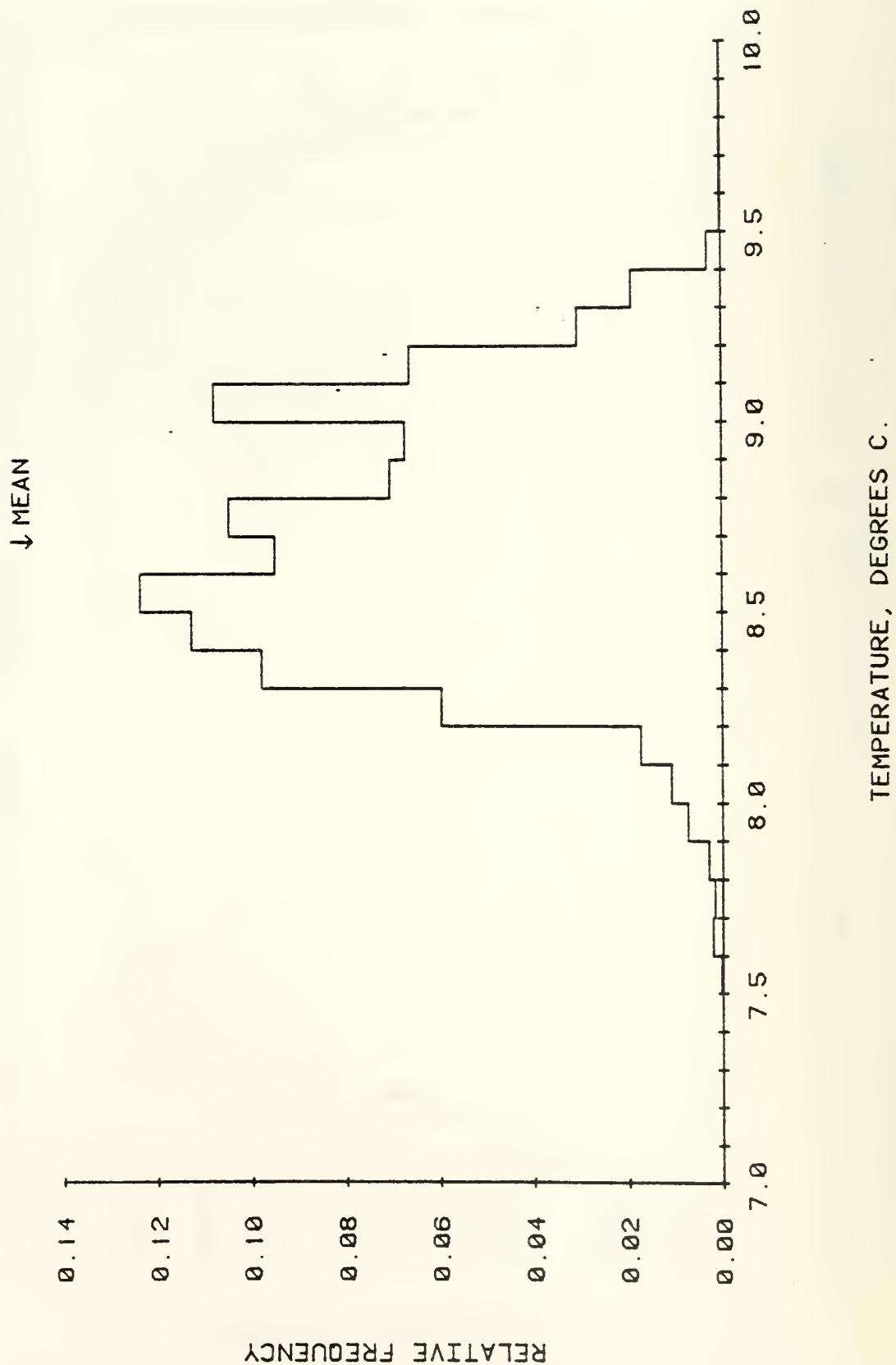
223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.



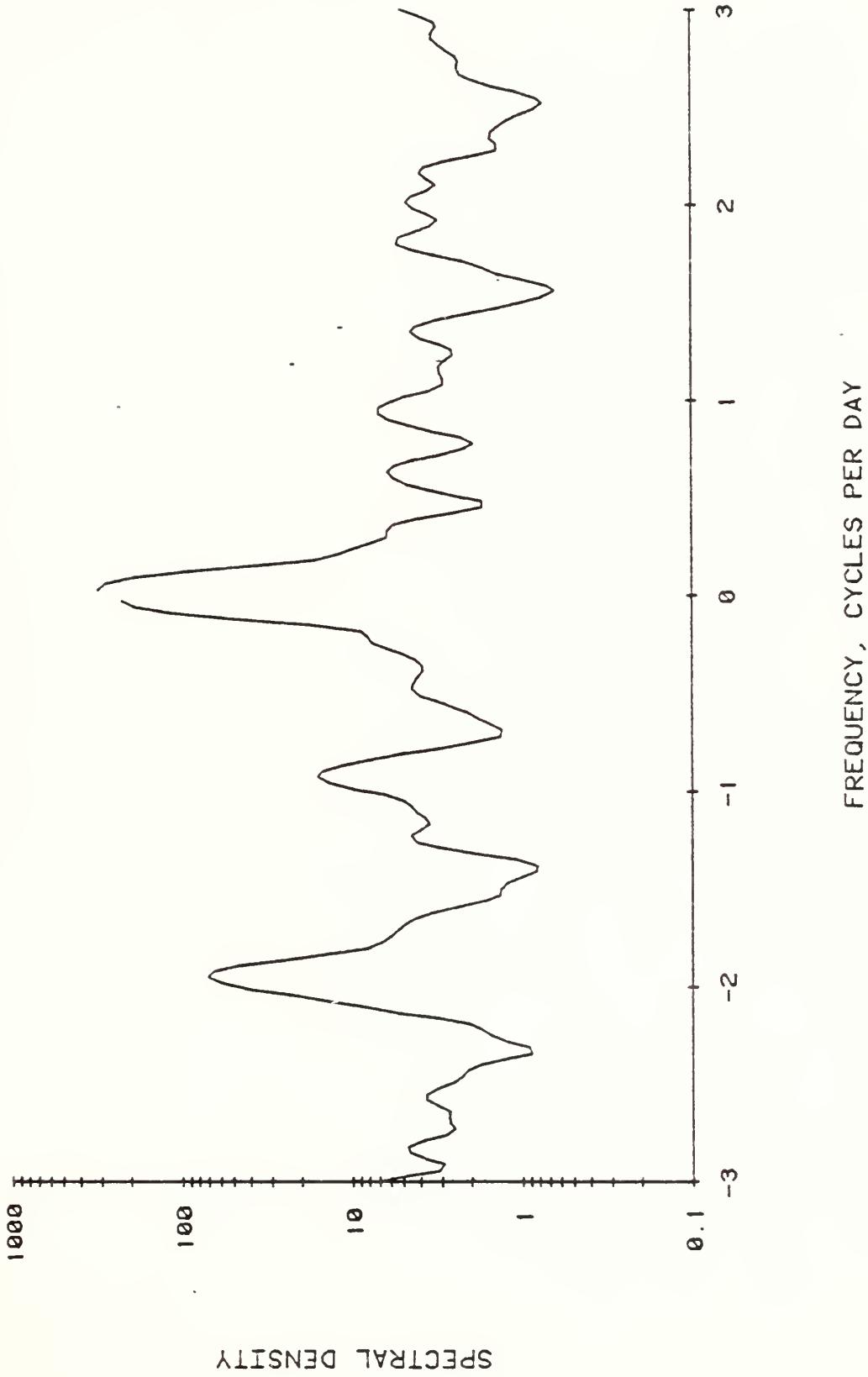
223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.



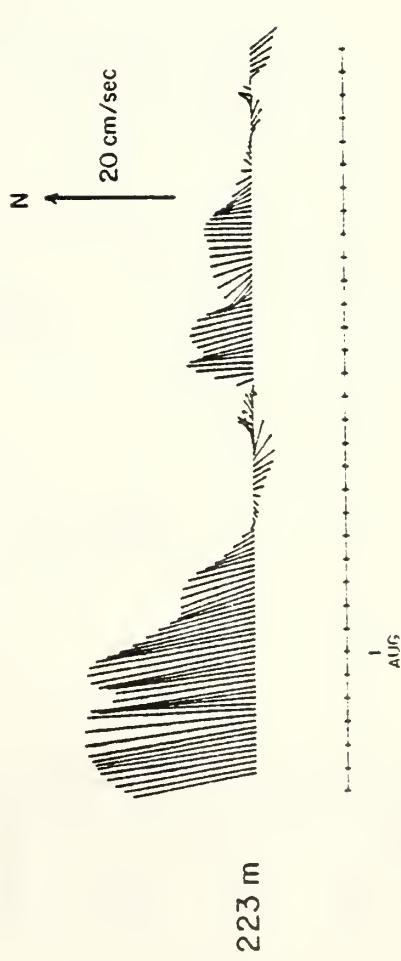
223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.



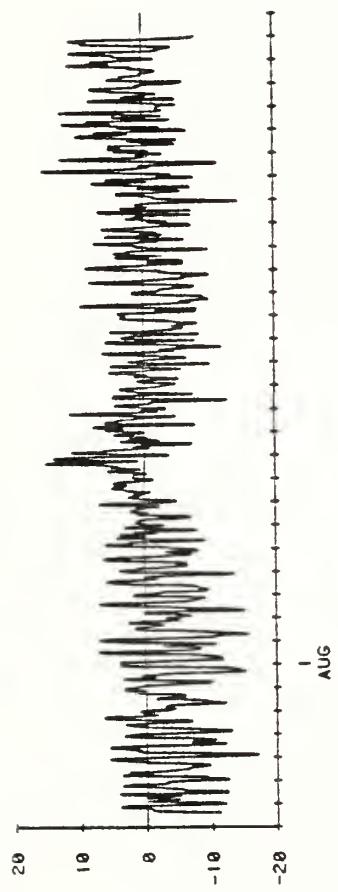
223 M AT STN 2. 25 JUL 78 - 28 AUG 78. TAPE 2759/1.



LLP FILTERED CURRENT AT STN 2. JUL - AUG 78.

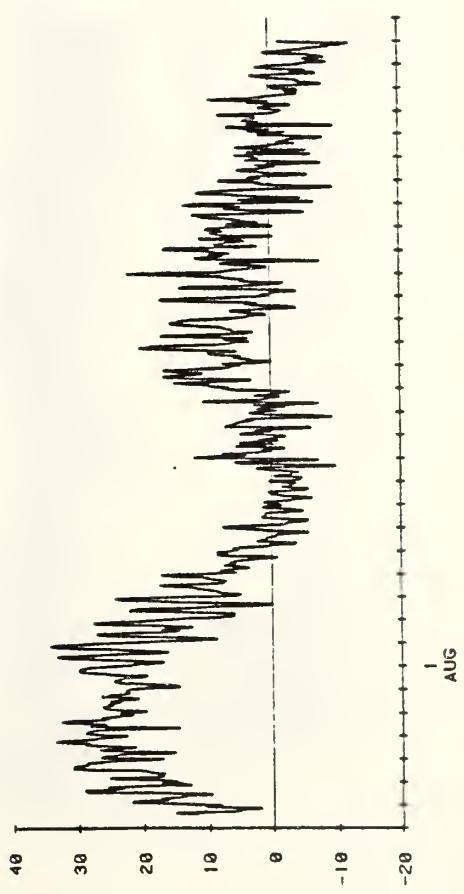


U COMPONENT. 223 M AT STN 2



CM PER SEC

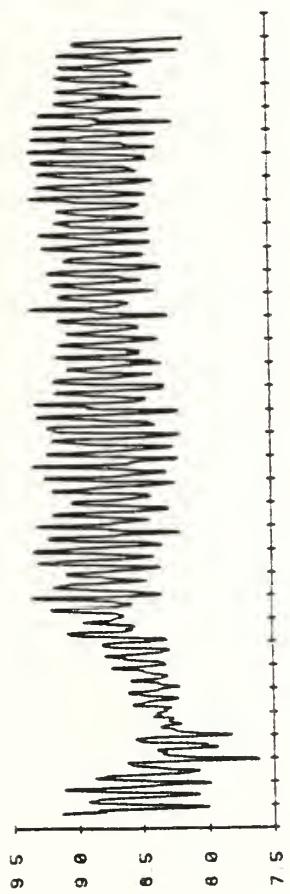
V COMPONENT. 223 M AT STN 2.



CM PER SEC

TEMPERATURE . 223 M AT STN 2 .

AUG

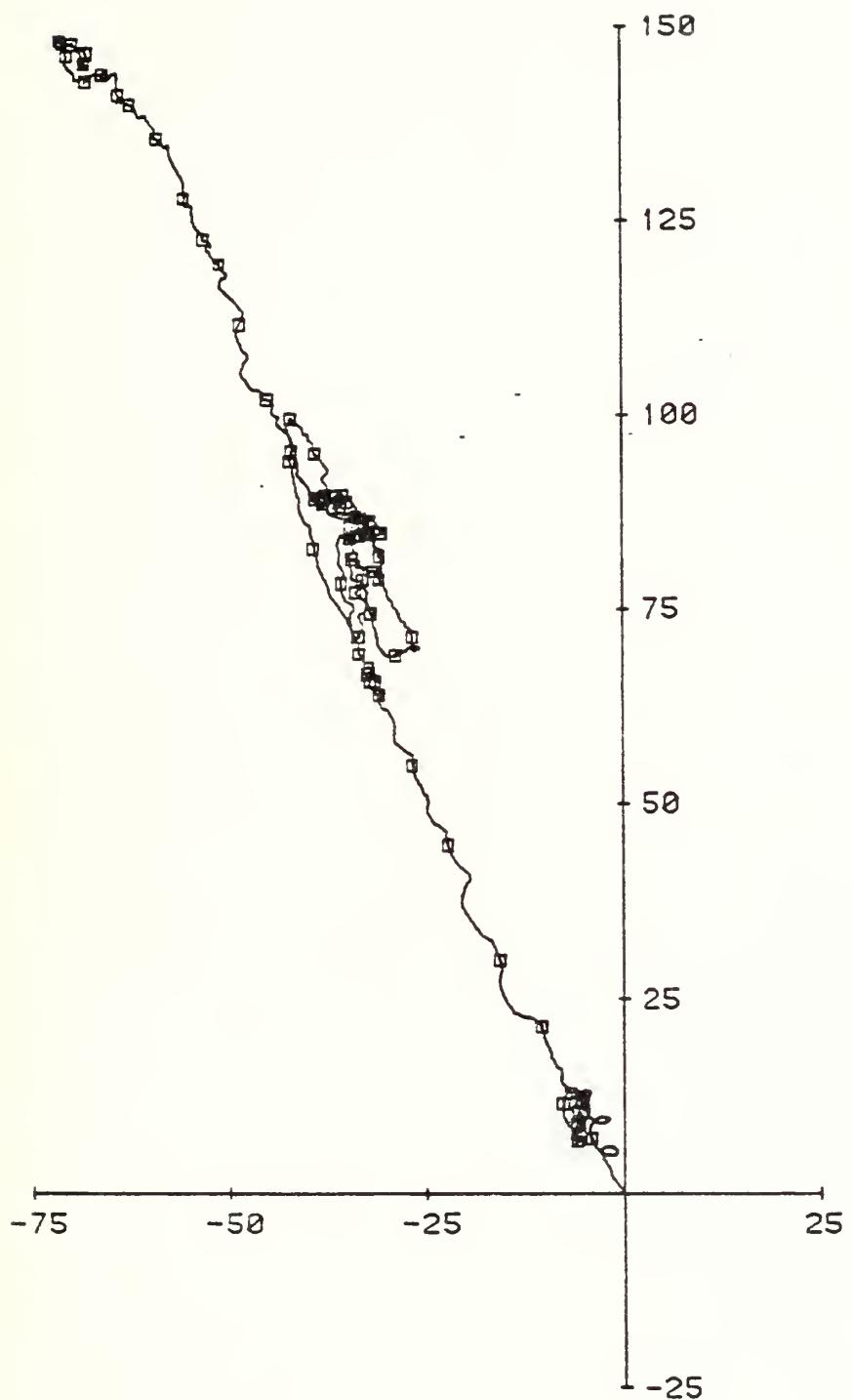


DEGREES C

STATION 2 - 35°52.1'N, 121°52.0'W
20 SEP 78 - 27 NOV 78

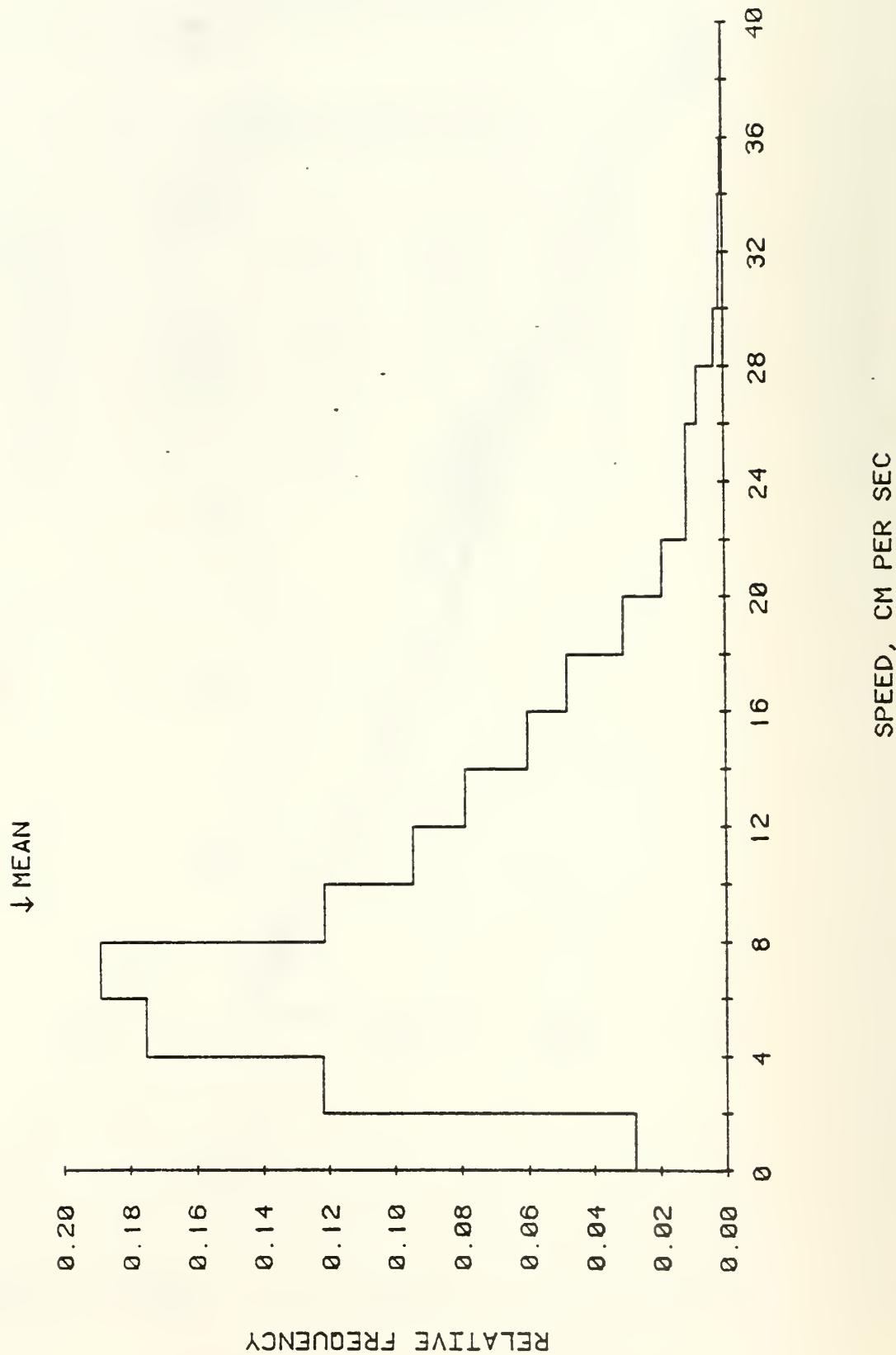
Record #2, Depth 187 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	9.30	5.73	1.10	4.15	0.80	37.10	9795
U(cm/s)	-1.17	6.68	-0.06	3.63	-28.20	28.60	9795
V(cm/s)	2.47	8.20	0.39	3.17	-21.70	32.30	9795
T(°C)	9.23	0.27	-0.37	3.07	8.29	10.14	9795

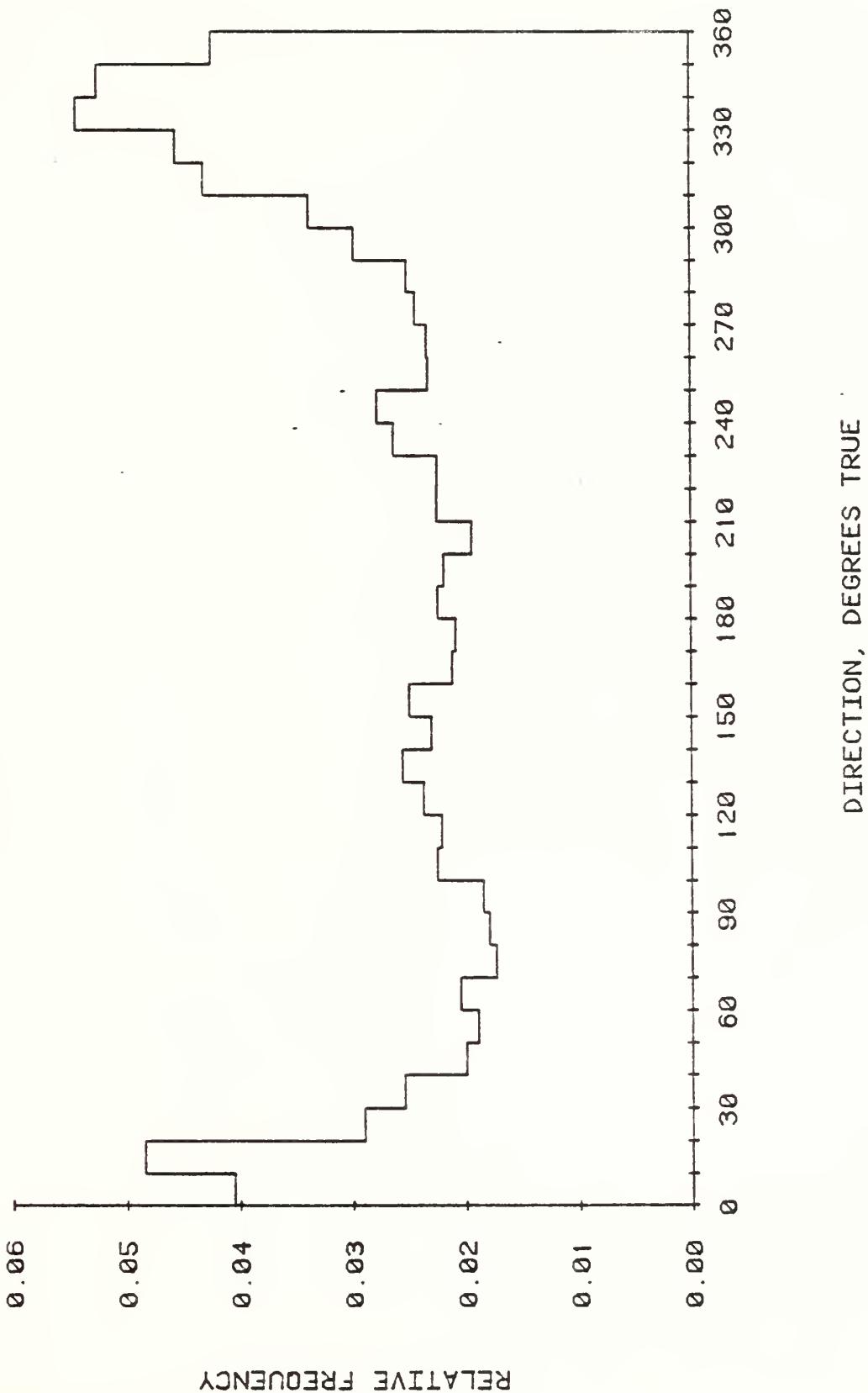


187 M AT STN 2. 20 SEP 78 - 27 NOV 78. TAPE 2760/1.

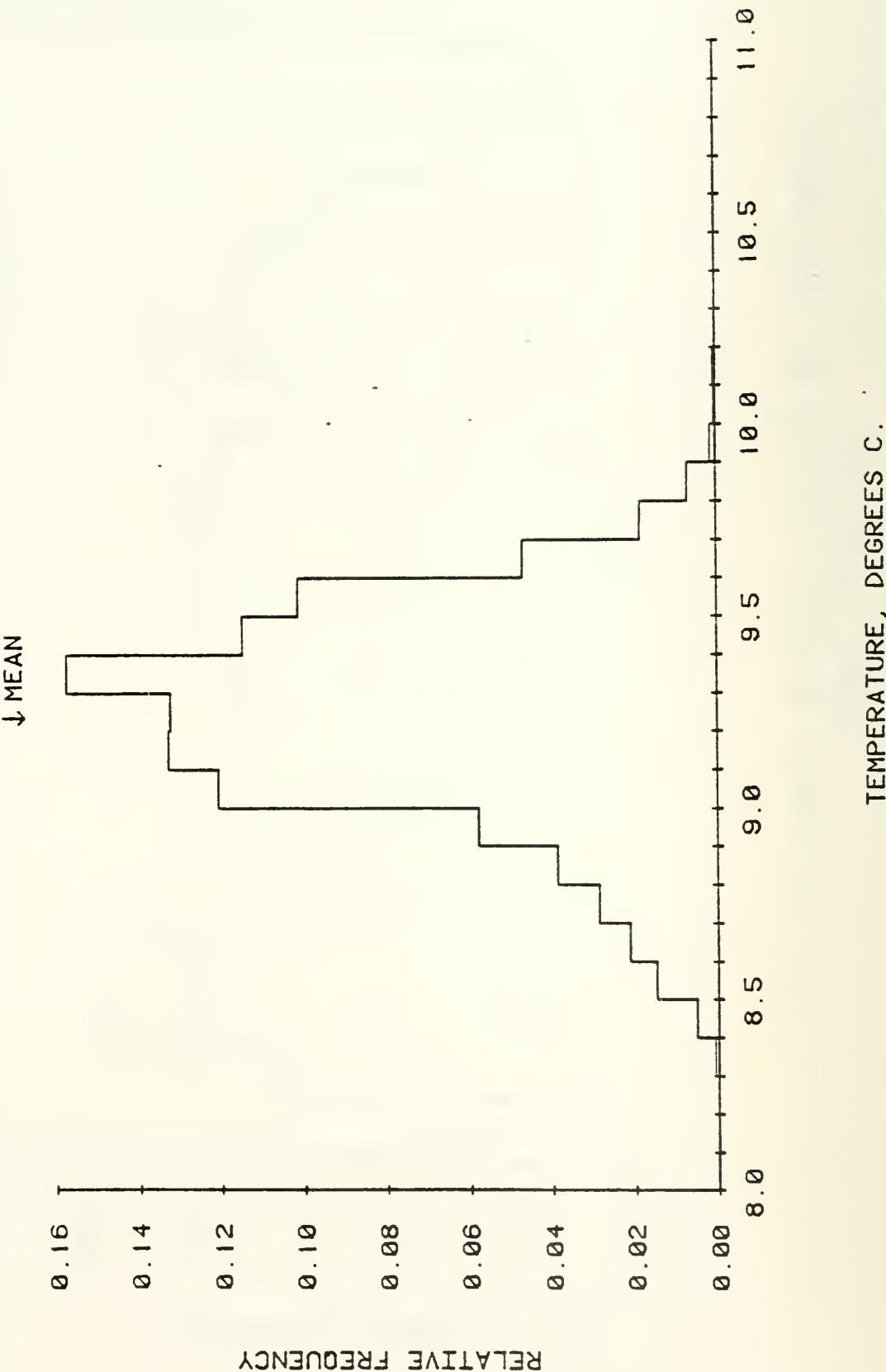
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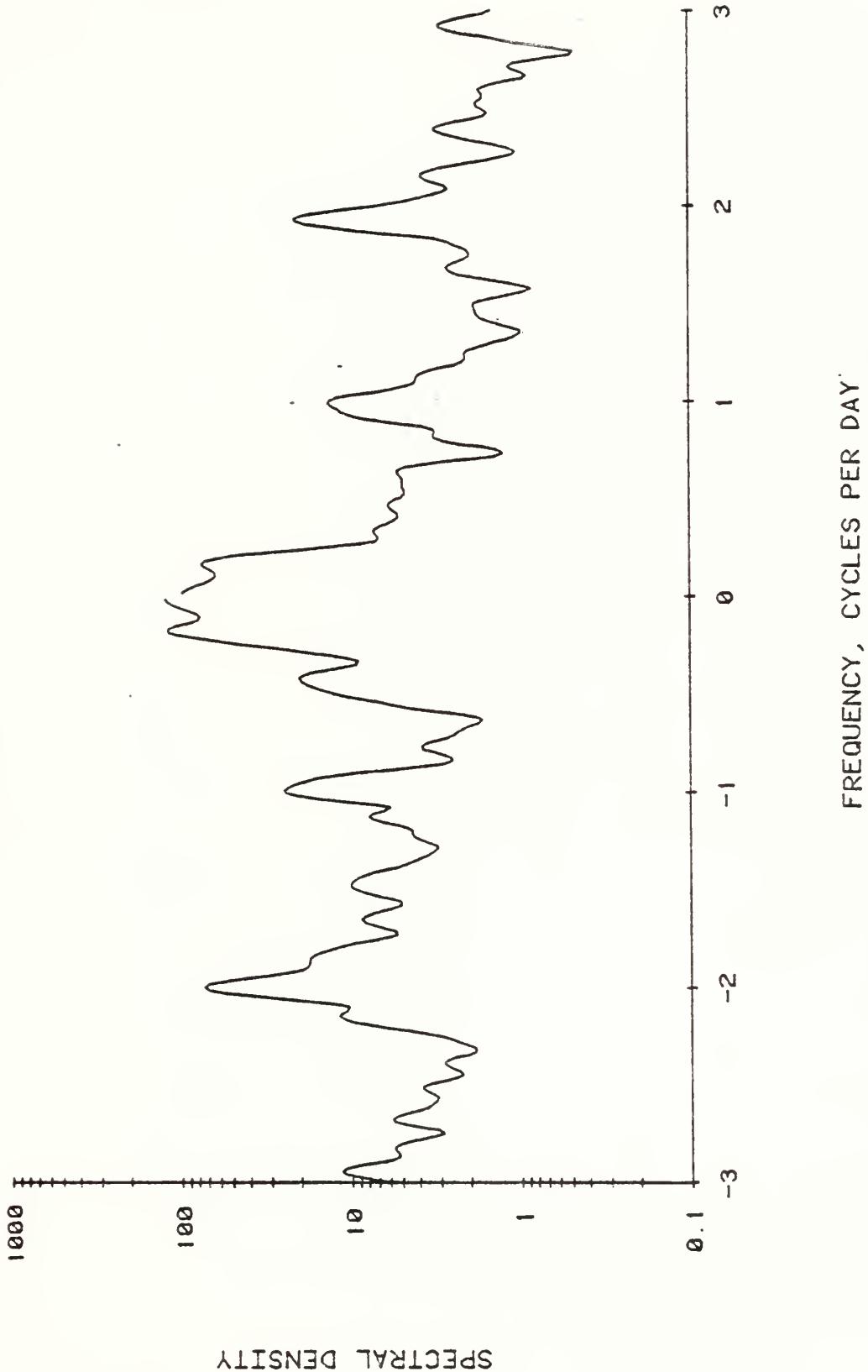
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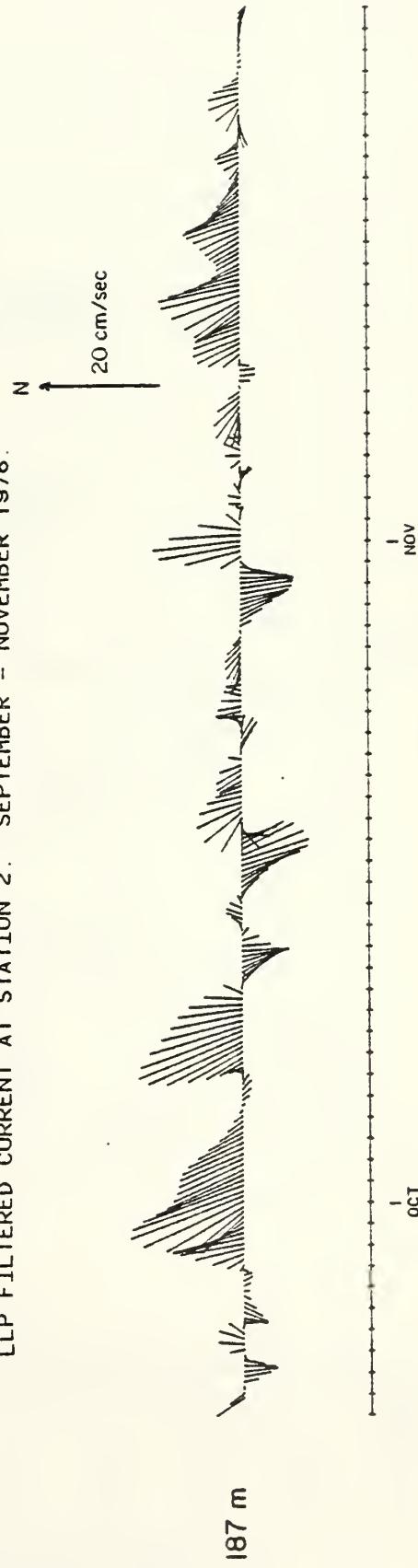
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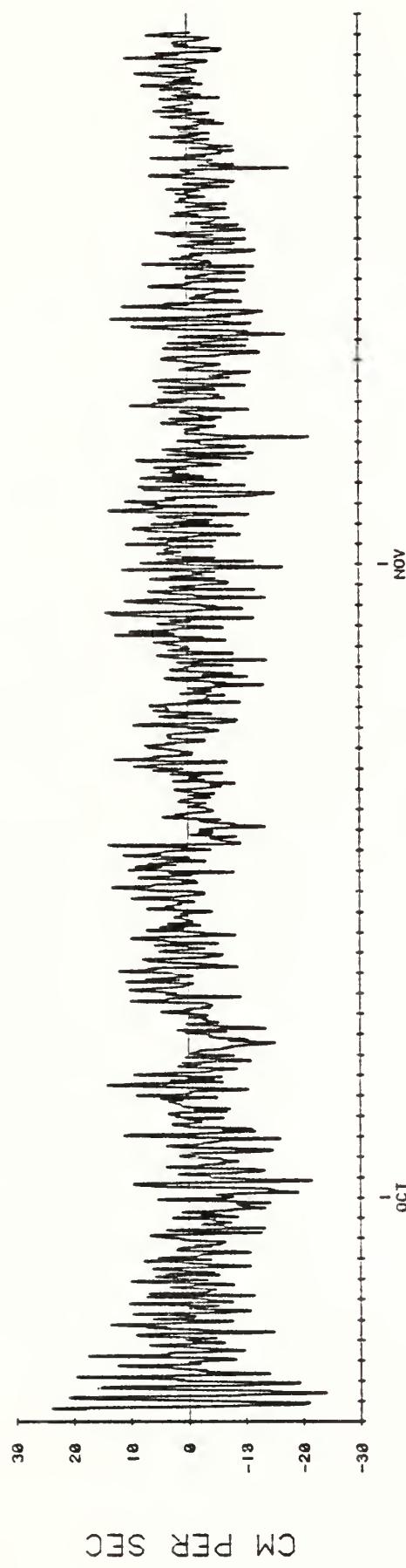
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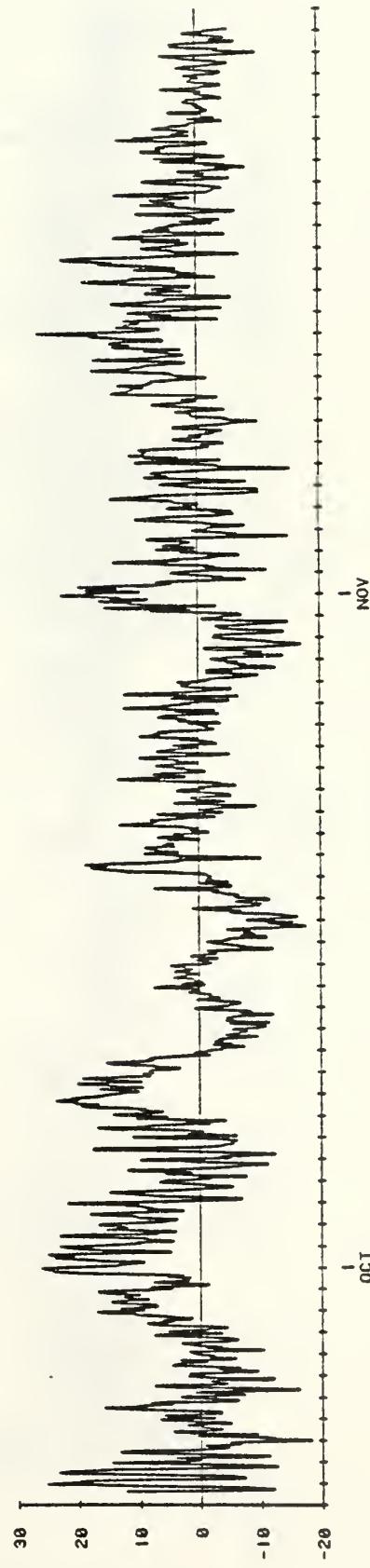
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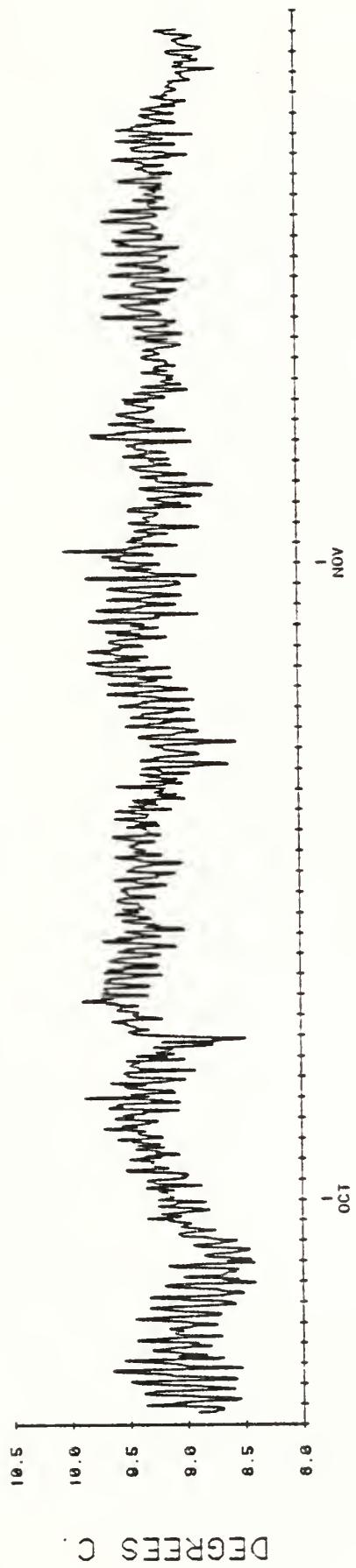
U COMPONENT . 187 M AT STN 2 .



V COMPONENT. 187 M AT STN 2.



CM PER SEC



TEMPERATURE 187 M AT STN 2

STATION 2 - $35^{\circ} 52.0'N$, $121^{\circ} 33.0'W$
 27 Nov 78 - 22 Jan 79

Record #3, Depth 100 m

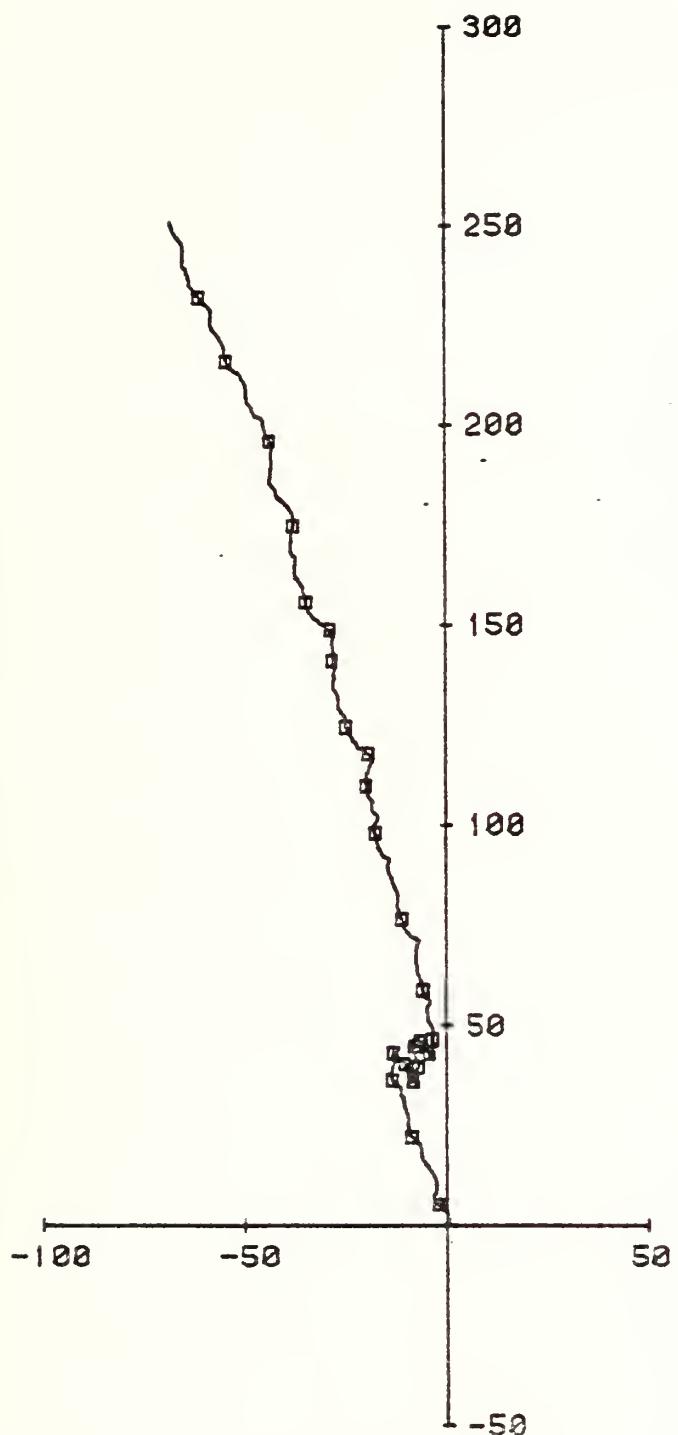
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	18.27	11.54	0.47	2.36	0.80	57.80	8040
U(cm/s)	-3.26	8.43	-0.20	3.31	-32.30	31.50	3500
V(cm/s)	11.94	11.94	-0.11	2.50	-29.50	42.30	3500
T($^{\circ}$ C)	10.34	0.51	0.66	3.17	9.25	12.05	3500

Record #4, Depth 175 m

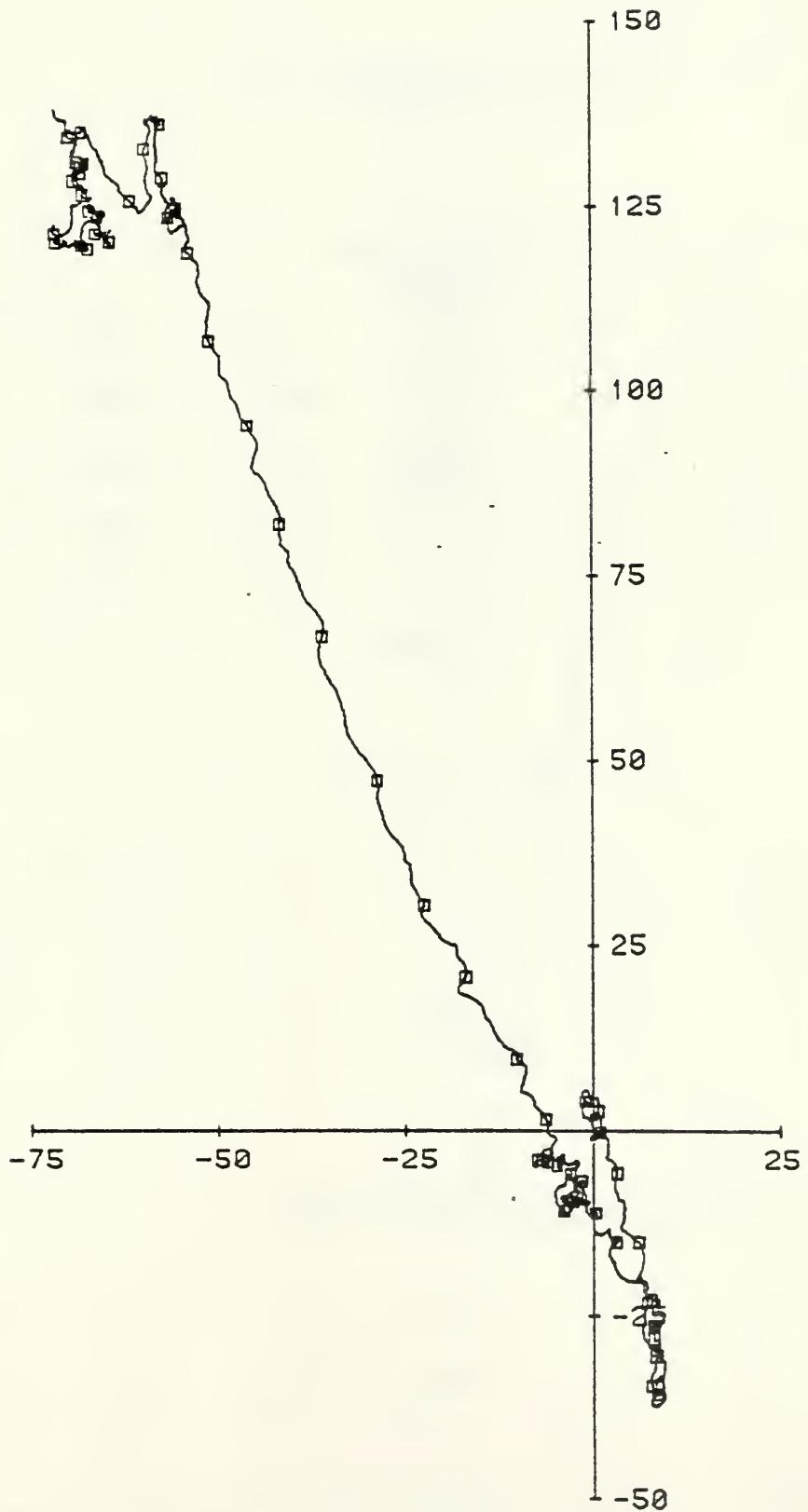
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	11.64	6.36	0.75	3.17	0.80	38.50	8040
U(cm/s)	-1.49	7.67	-0.03	3.00	-32.60	26.10	8040
V(cm/s)	2.86	10.33	0.04	2.76	-34.50	33.40	8040
T($^{\circ}$ C)	9.63	0.44	1.35	5.75	8.54	11.66	8040

Record #5, Depth 300 m

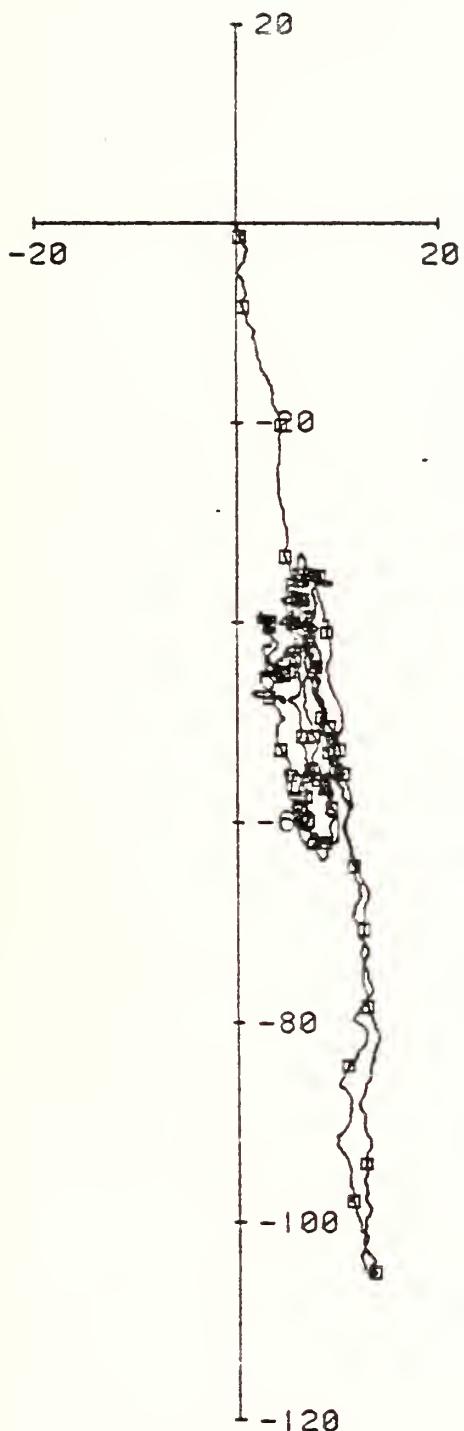
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	11.02	6.45	0.85	3.34	0.80	39.00	8040
U(cm/s)	0.14	6.68	-0.17	3.31	-32.30	28.10	8040
V(cm/s)	-0.86	10.85	0.13	2.98	-33.20	39.00	8040
T($^{\circ}$ C)	8.21	0.31	-0.00	4.31	6.81	9.47	8040



100 M AT STN 2. 27 NOV 78 - 21 DEC 78. TAPE 1759/2.

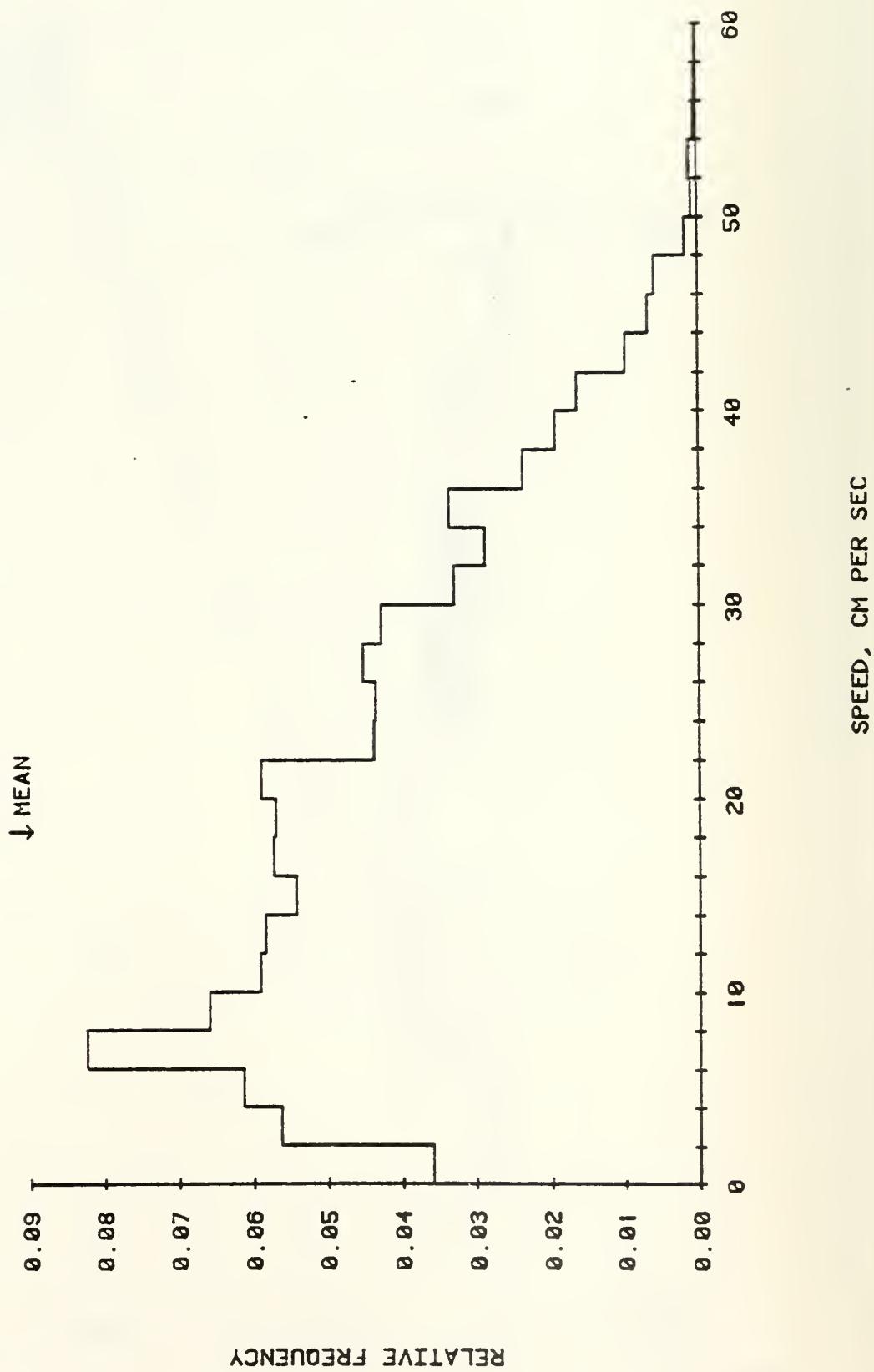


175 M AT STN 2. 27 NOV 78 - 22 JAN 79. TAPE 1965/1.

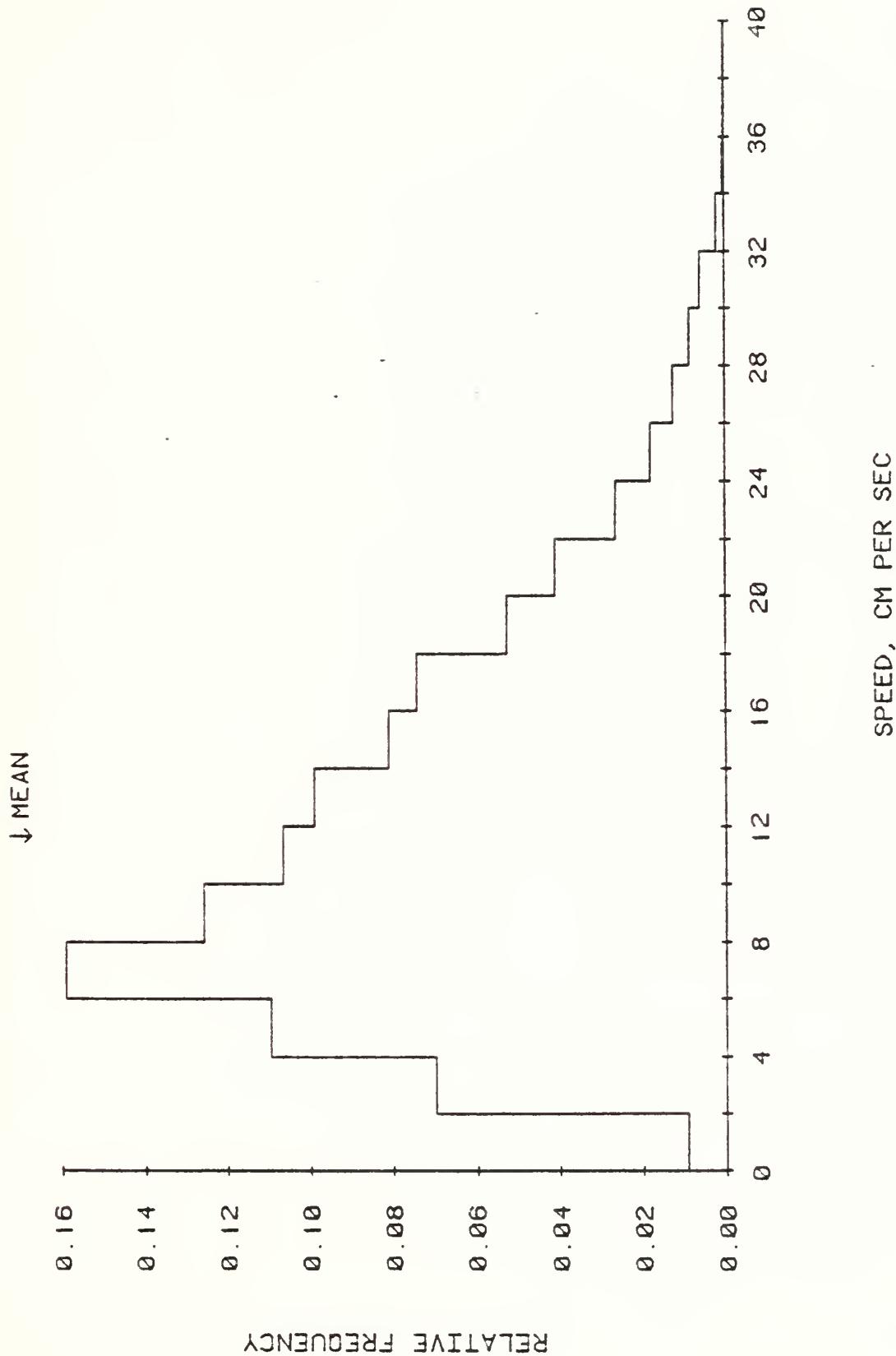


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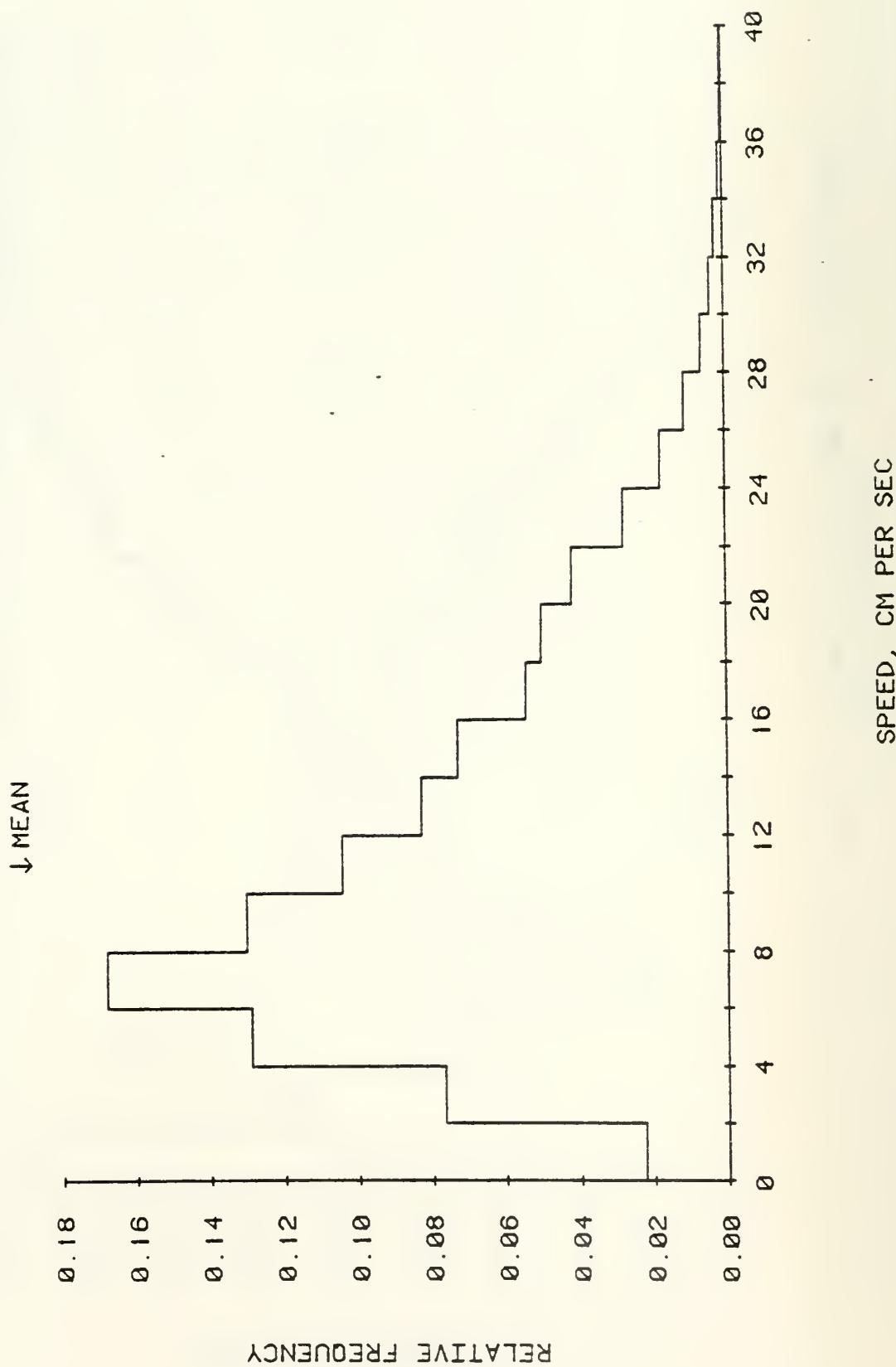
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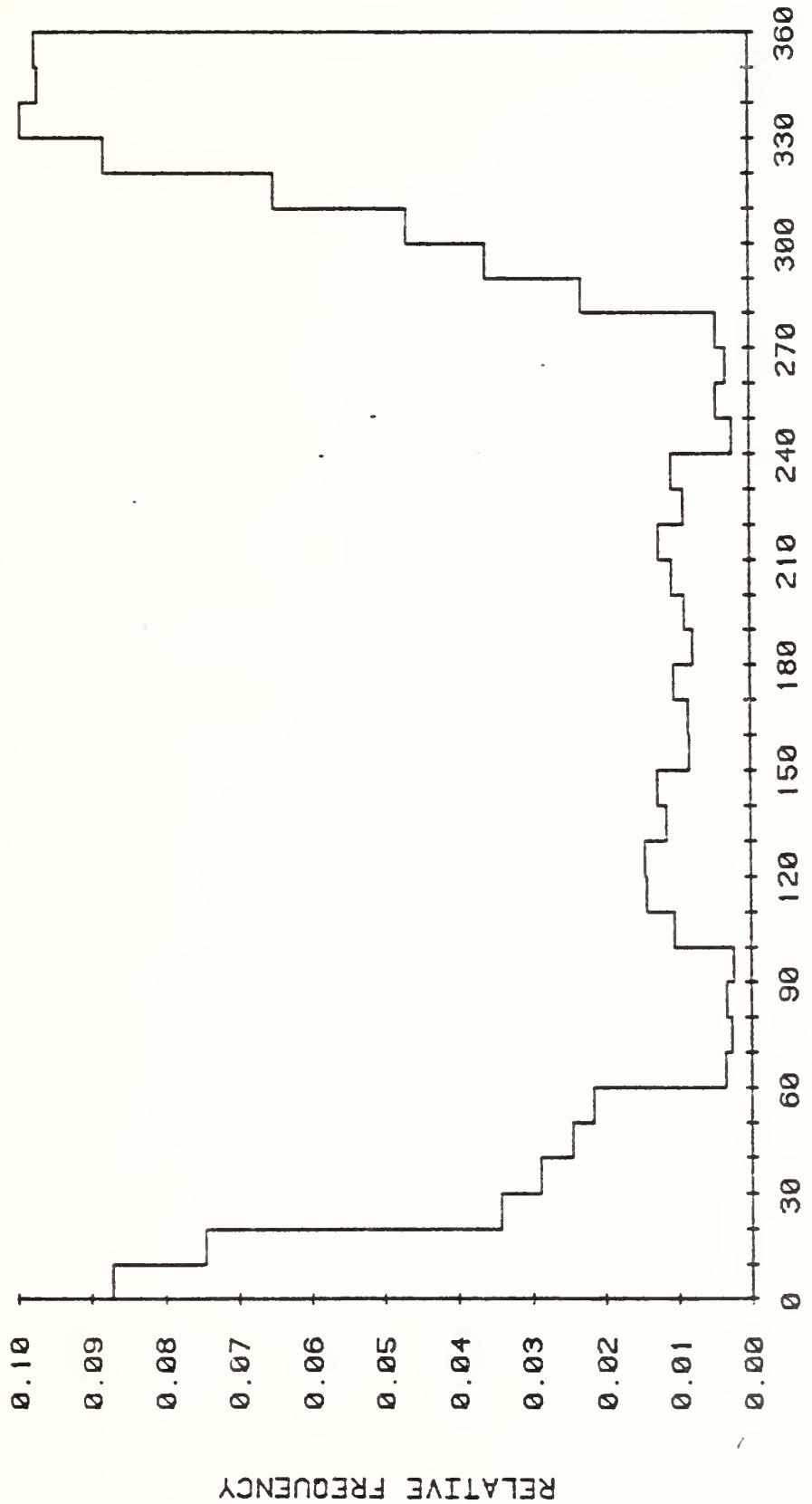
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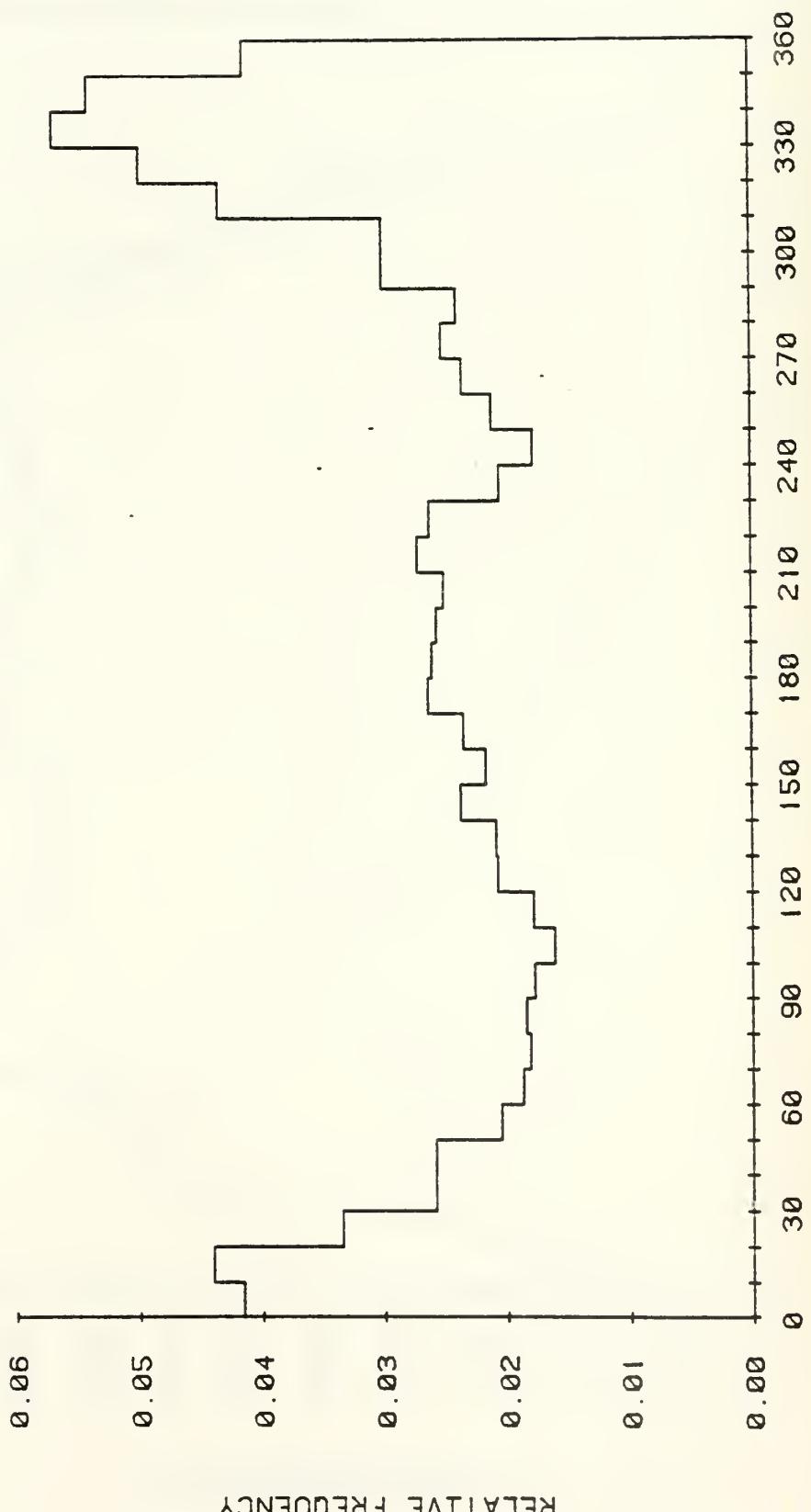
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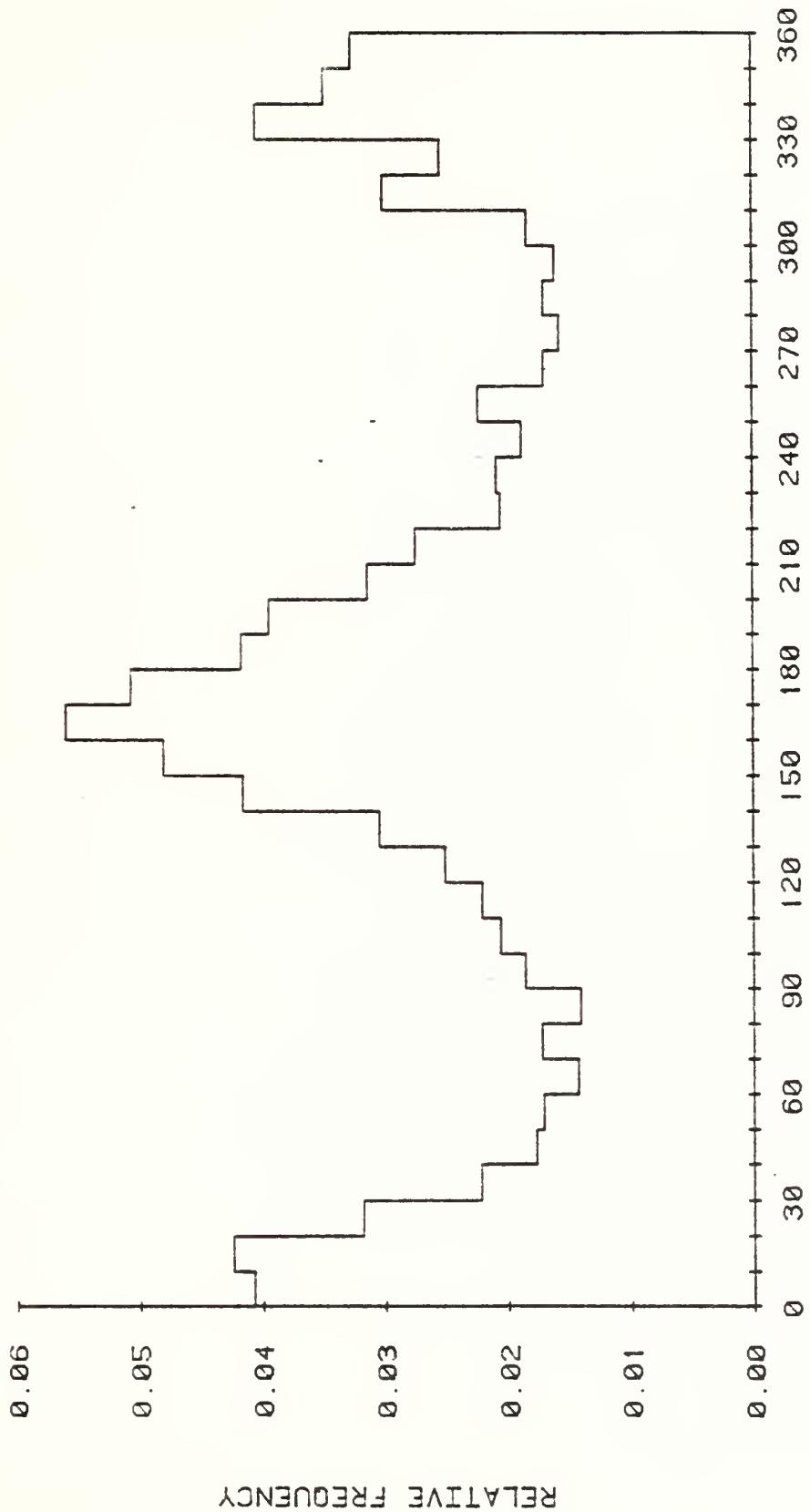
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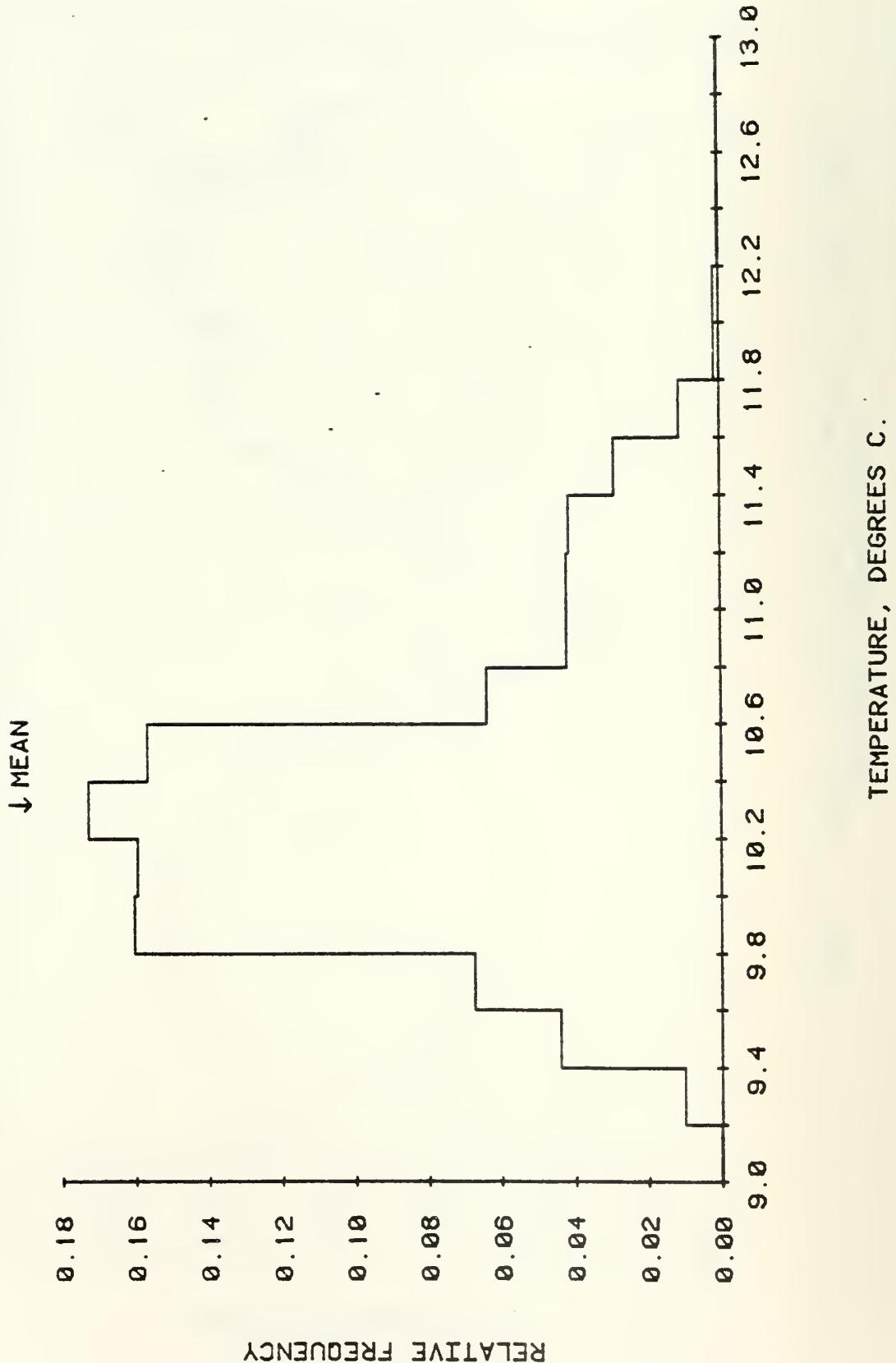
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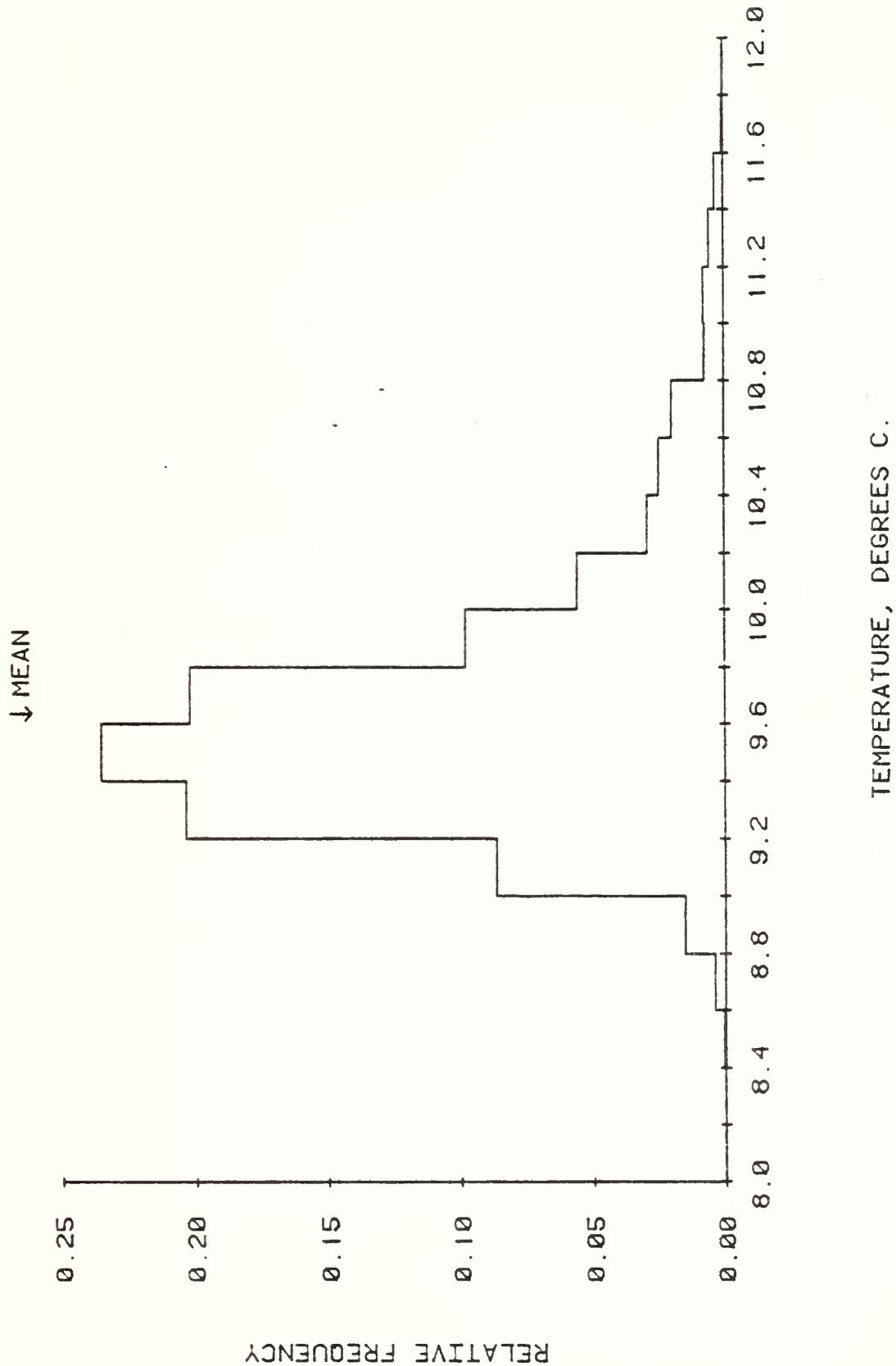
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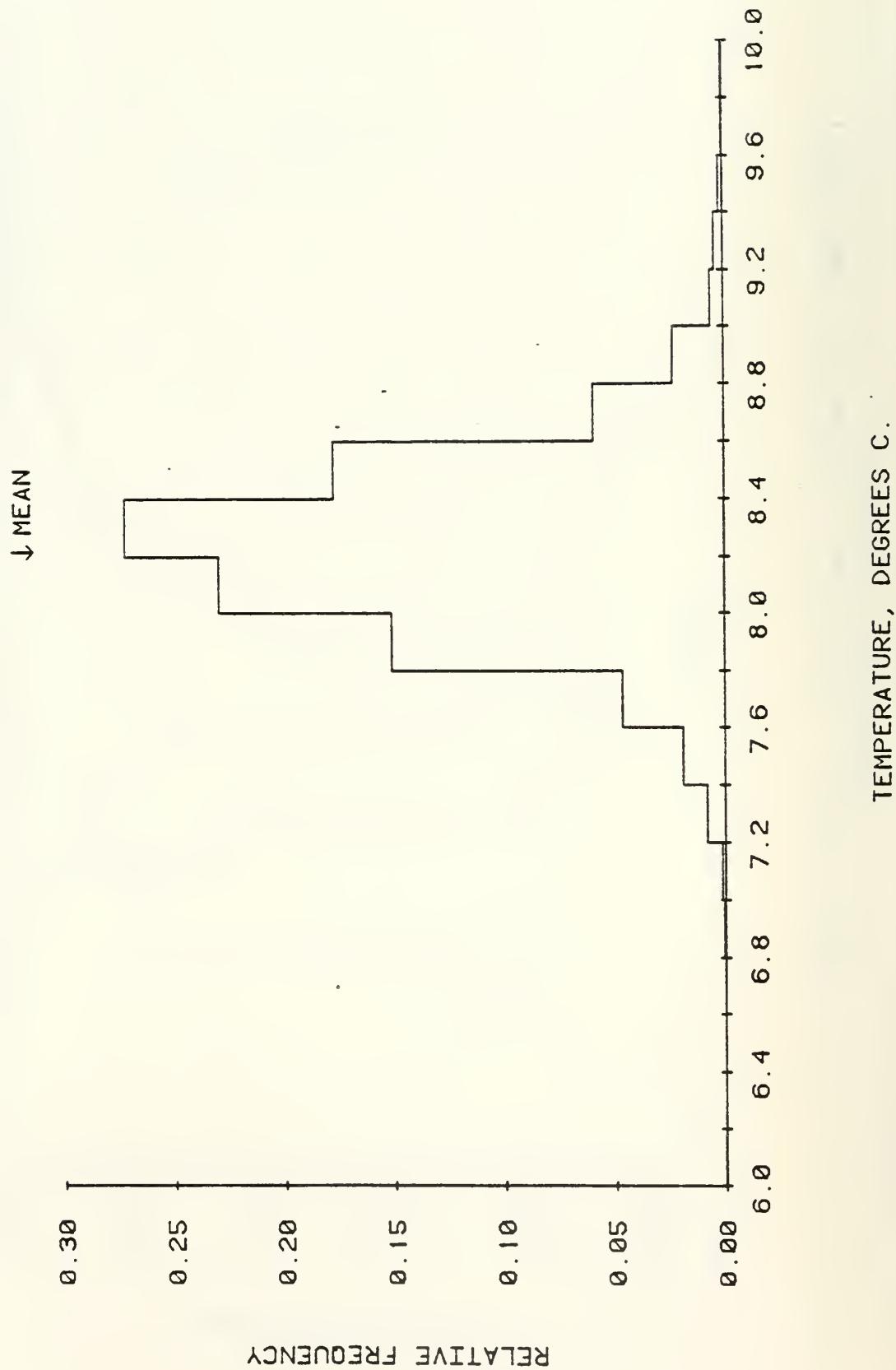
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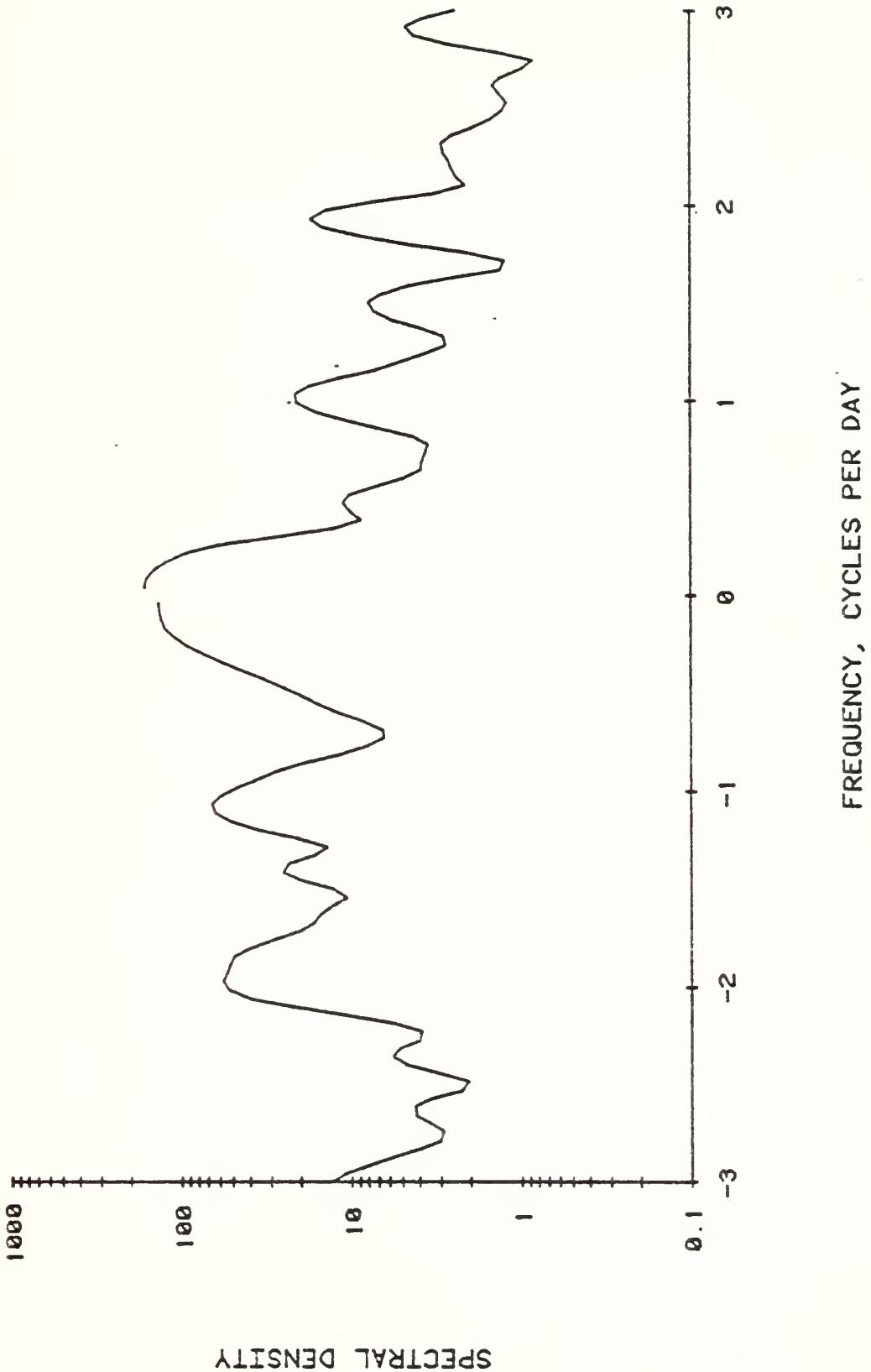
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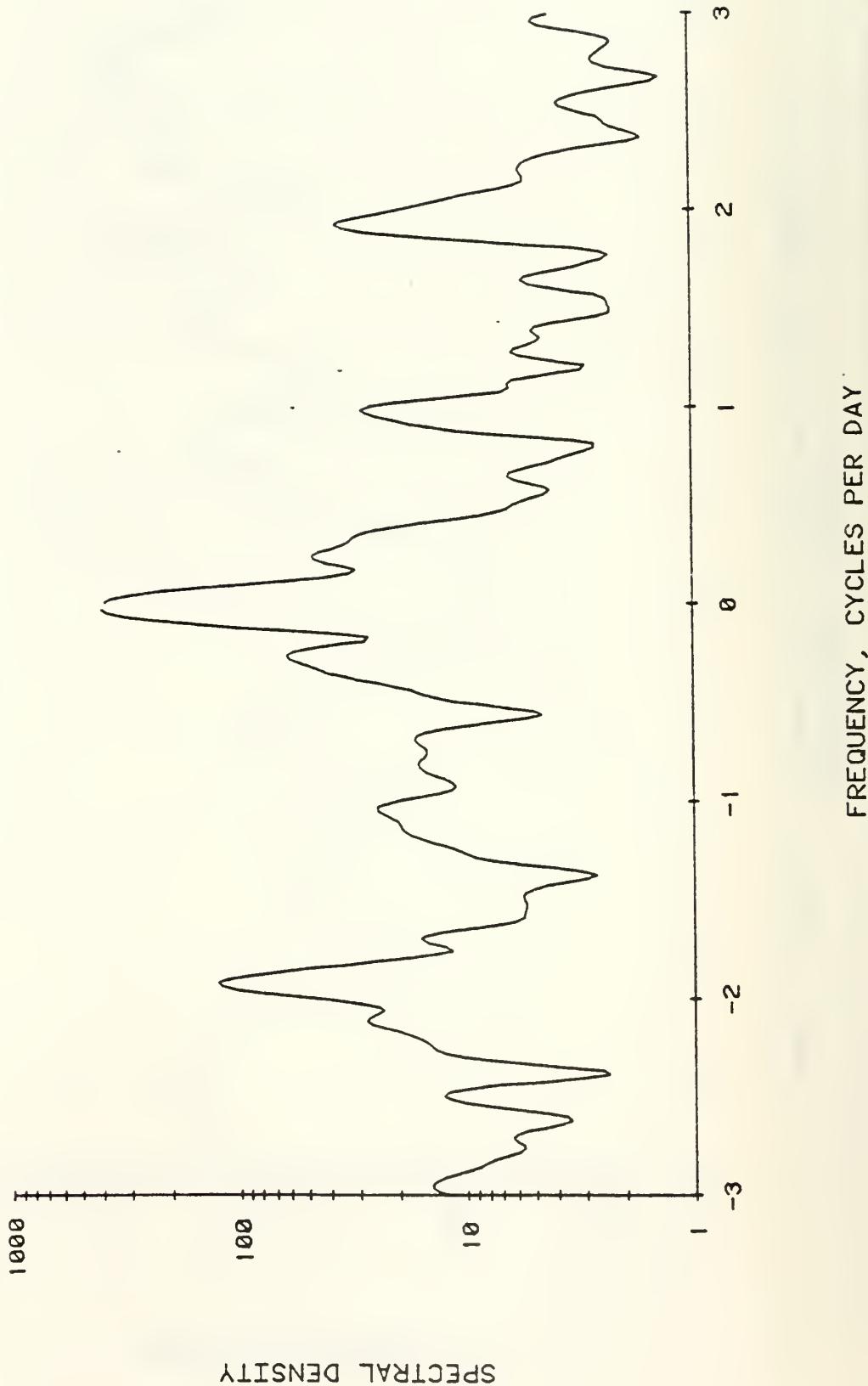
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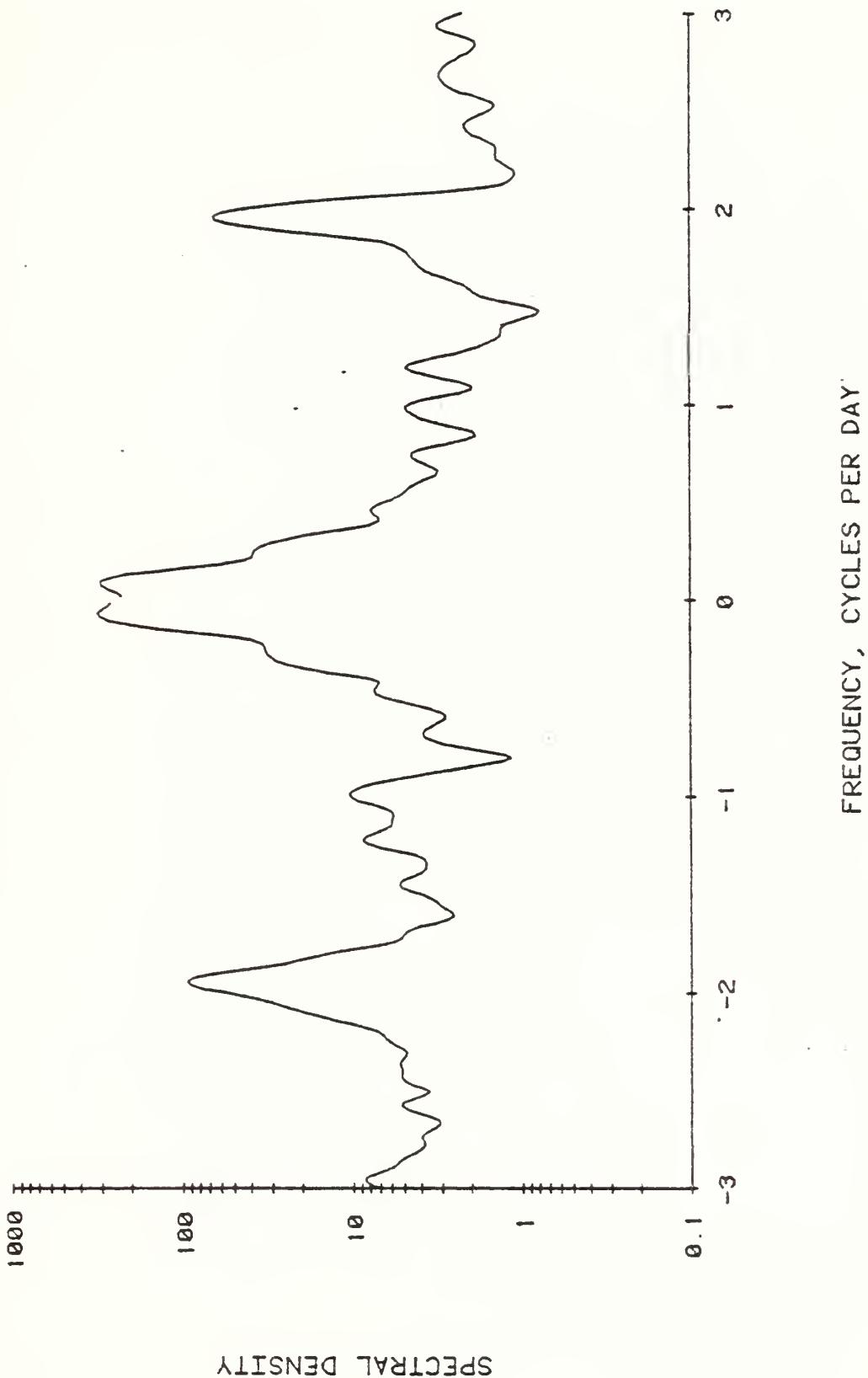
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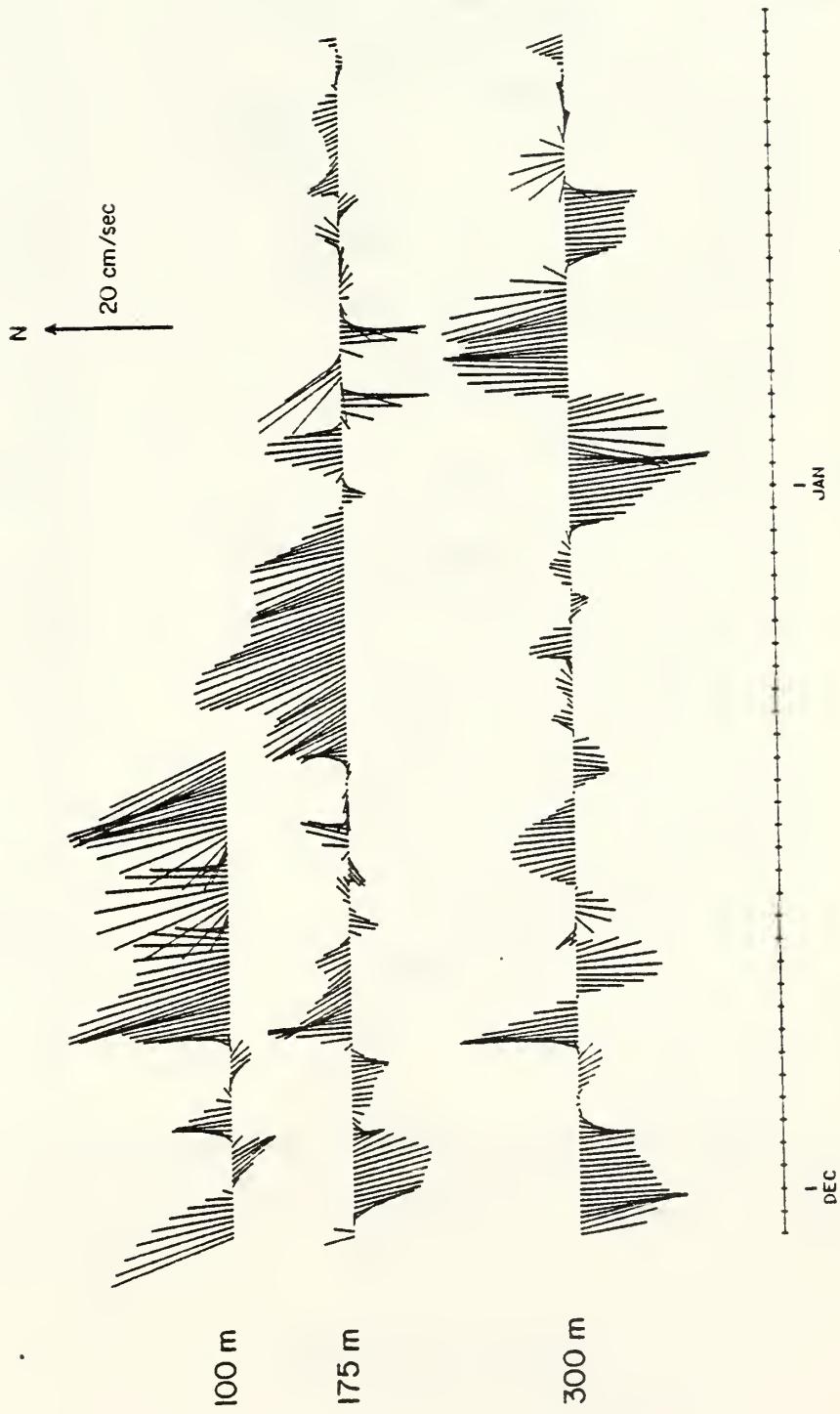
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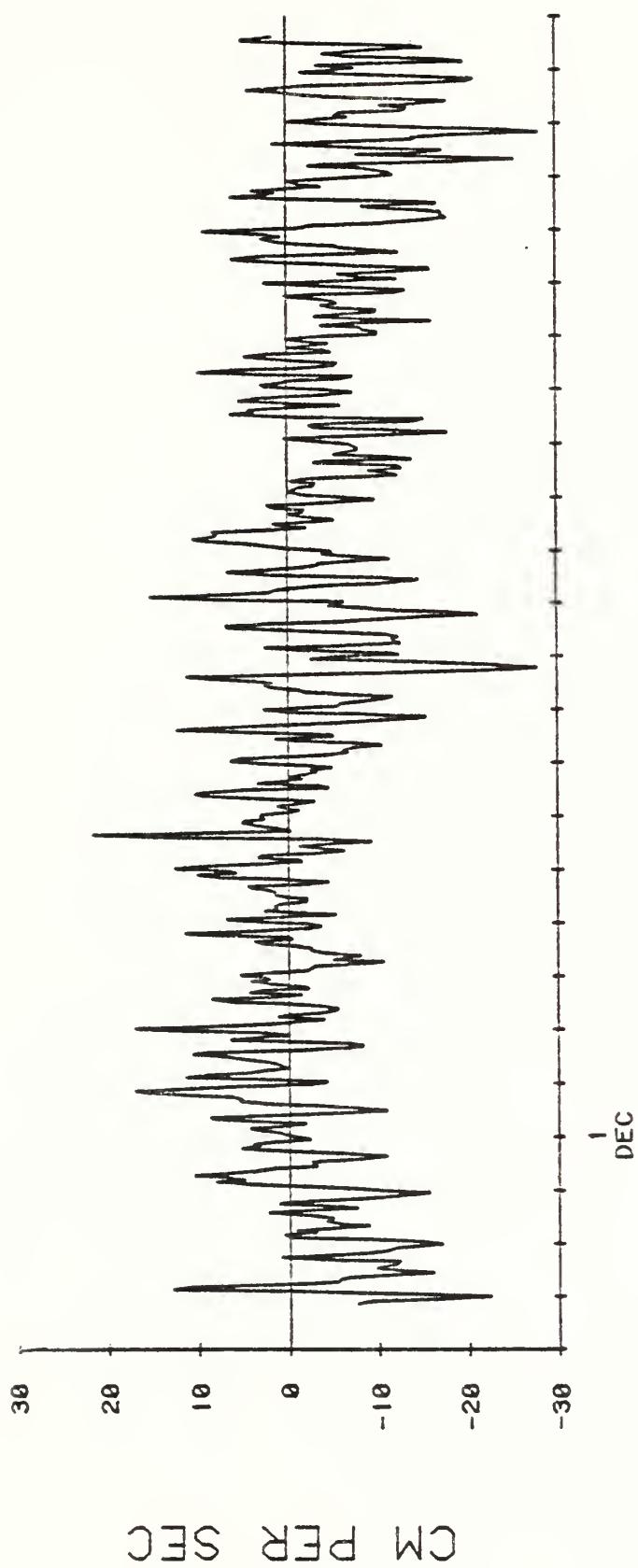
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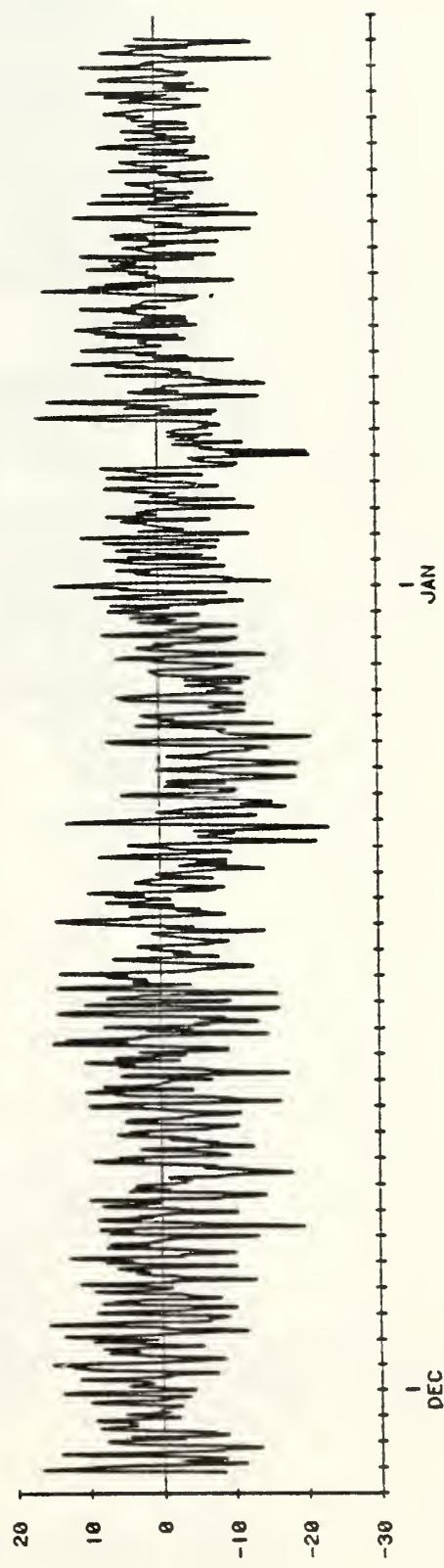
LLP FILTERED CURRENT AT STATION 2. NOVEMBER 1978 - JANUARY 1979.



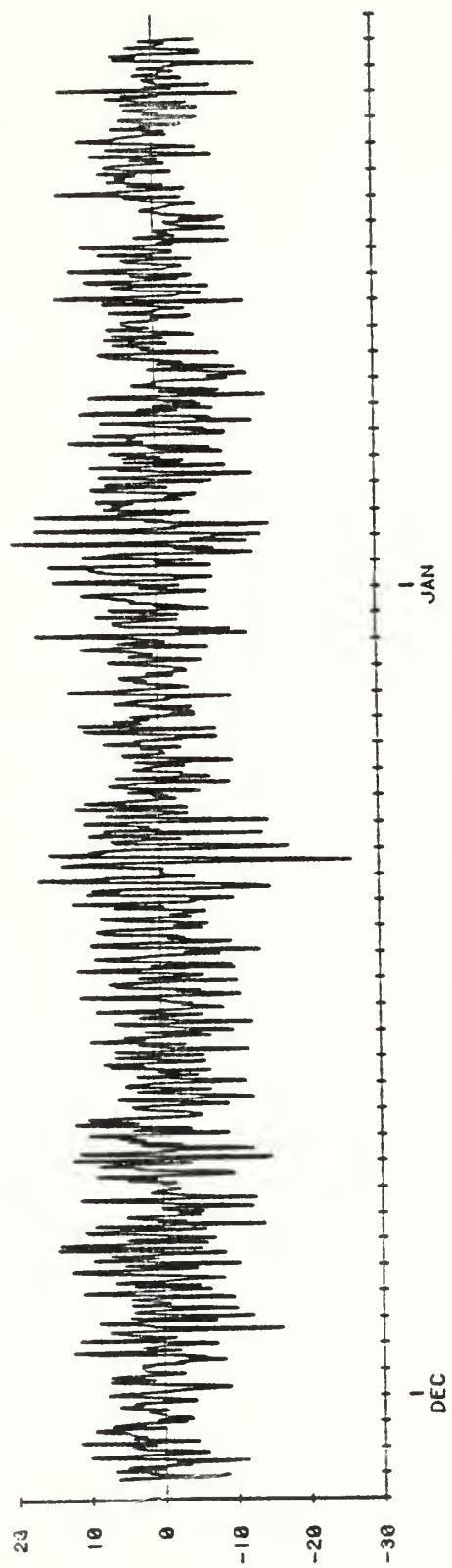
U COMPONENT . 100 M AT STN 2.



U COMPONENT. 175 M AT STN 2.



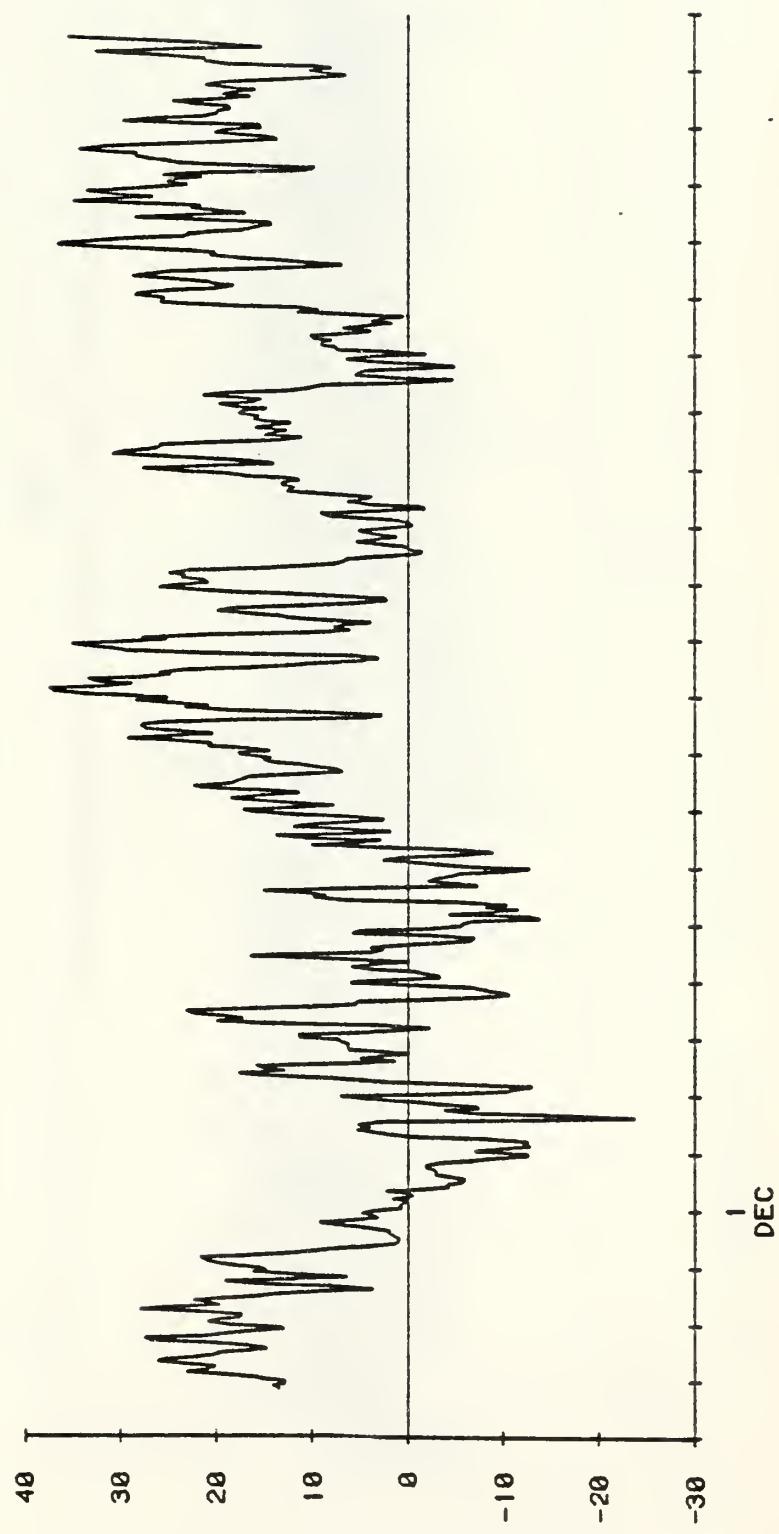
CM PER SEC

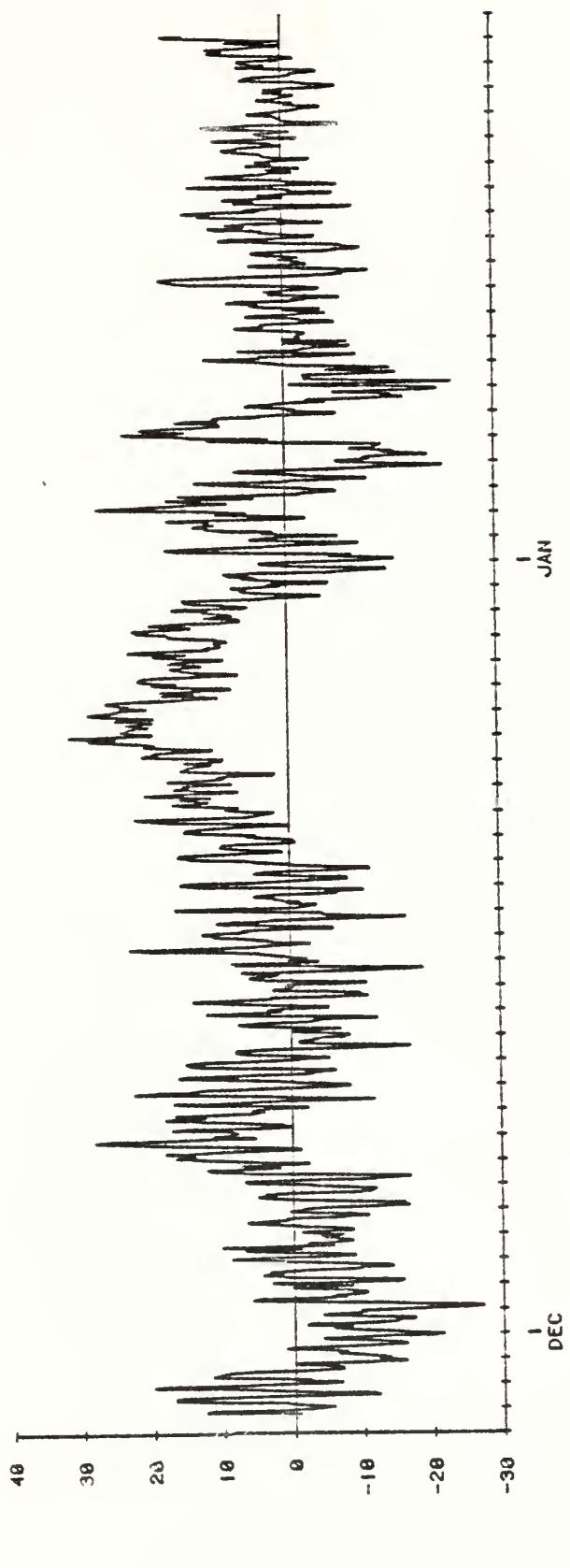


U COMPONENT . 300 M AT STN 2.

CM PER SEC

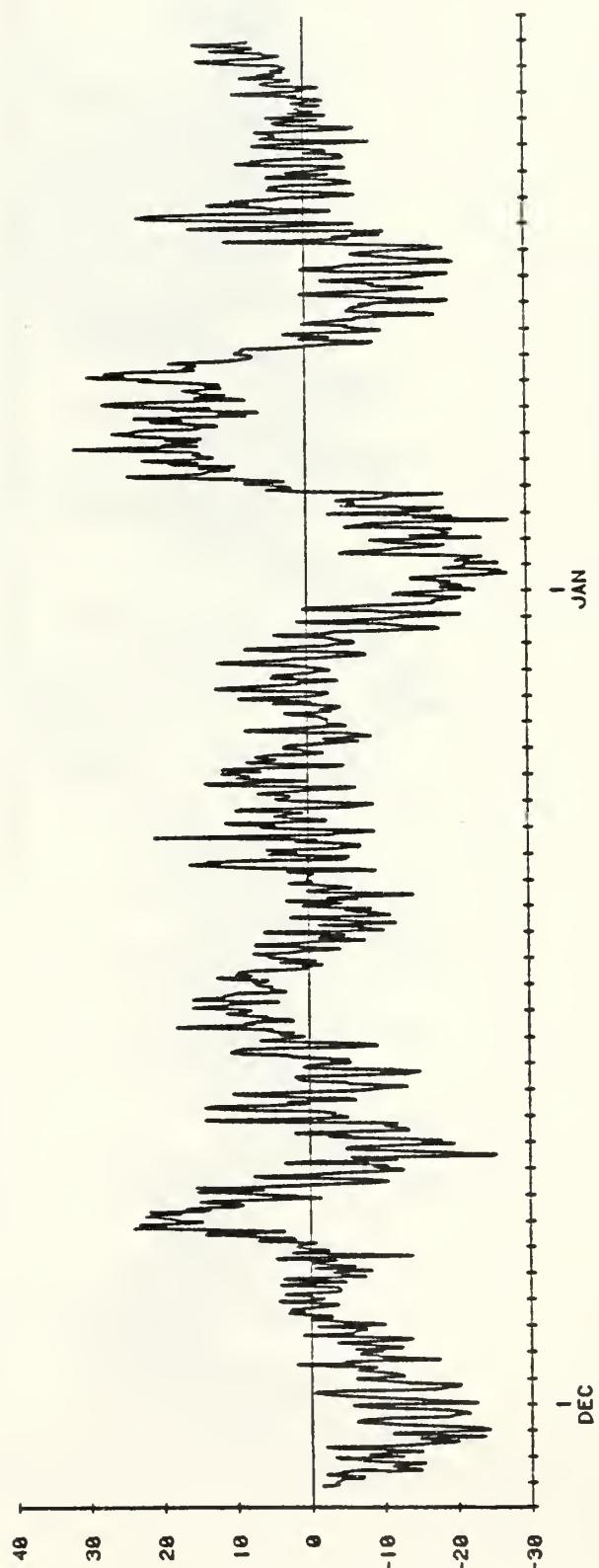
V COMPONENT. 100 M AT STN 2.



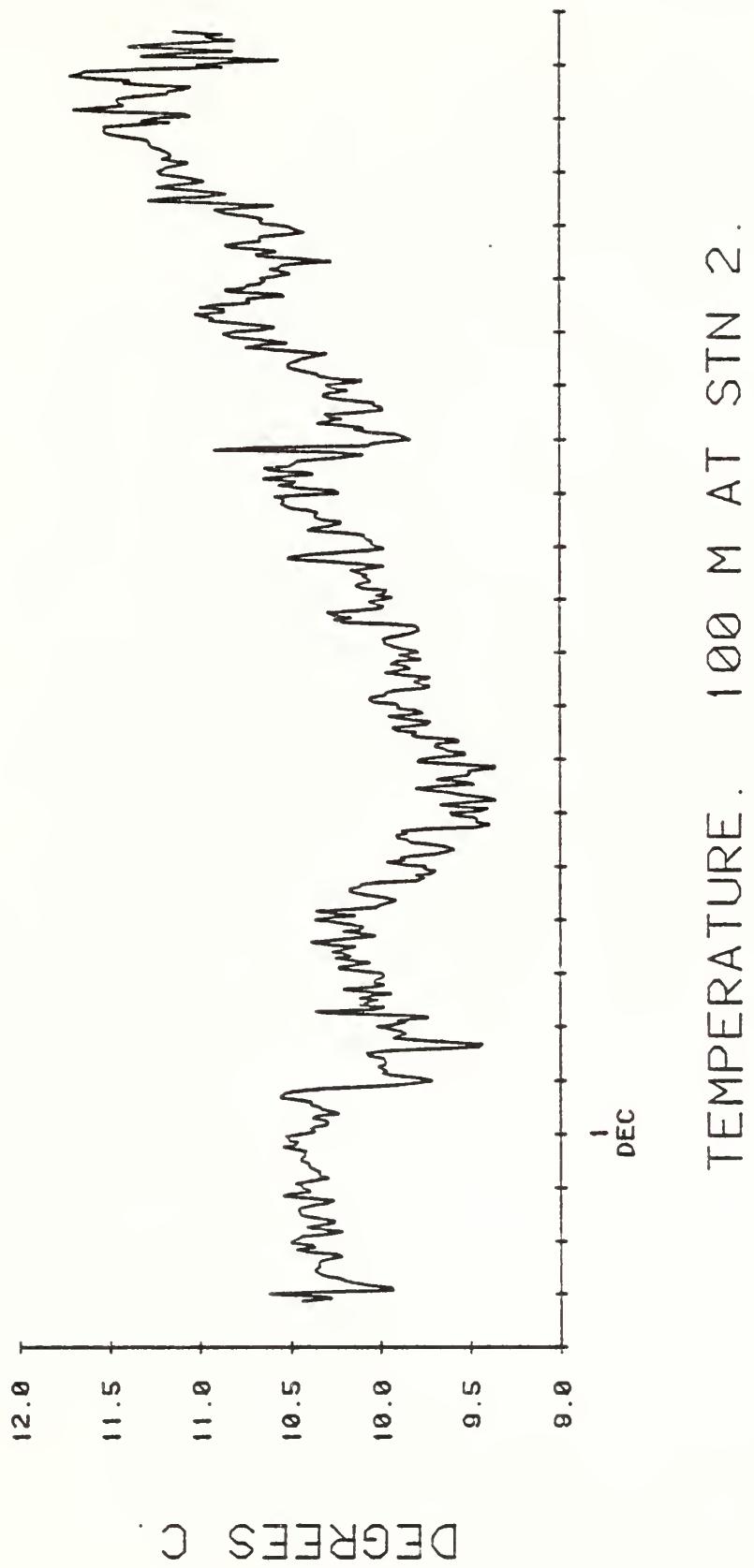


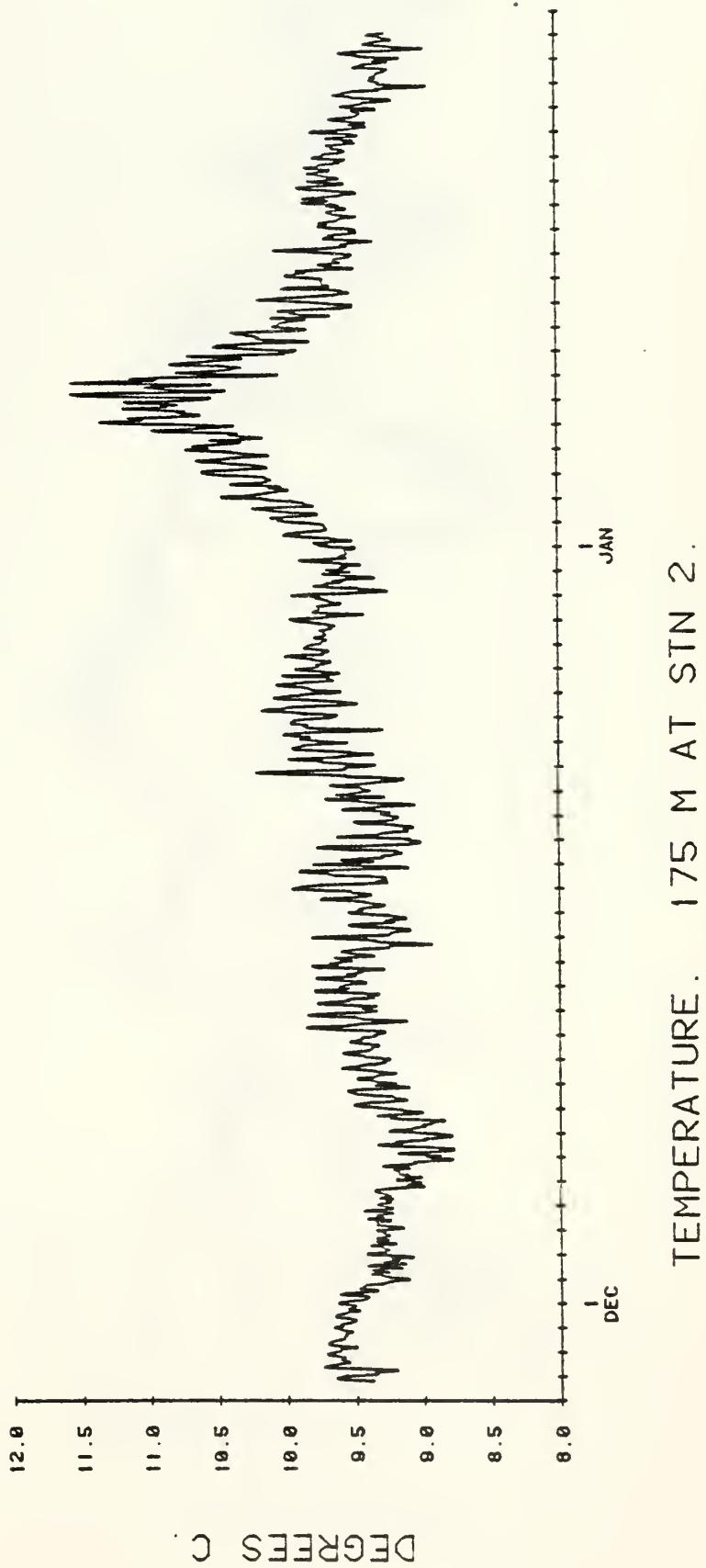
V COMPONENT . 175 M AT STN 2 .

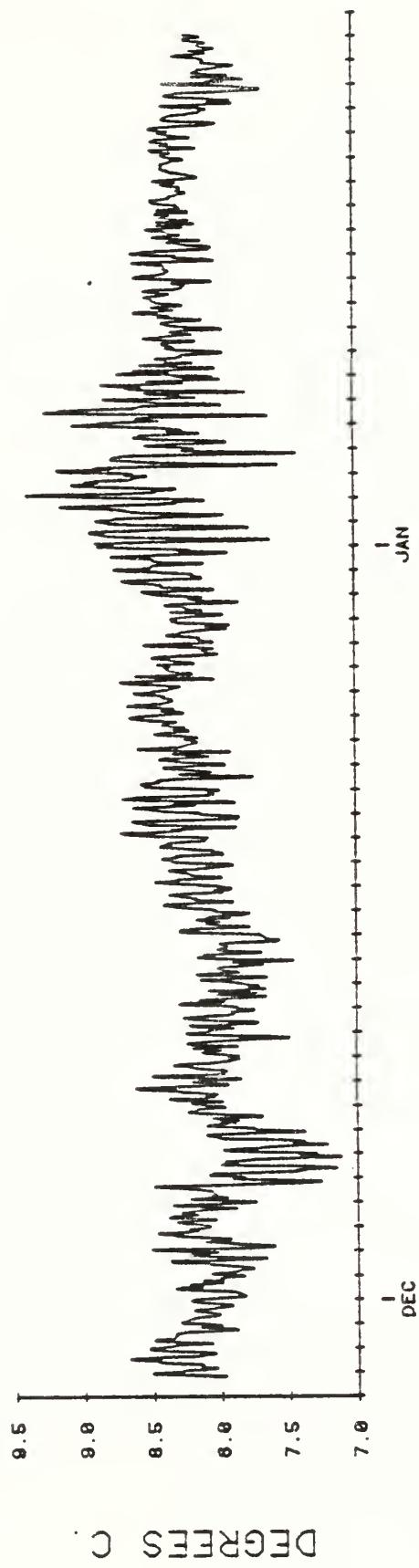
V COMPONENT . 300 M AT STN 2.



CM PER SEC







TEMPERATURE . 300 M AT STN 2 .

STATION 5 - 35° 52.0'N, 121° 41.0'W
 27 Nov 78 - 22 Jan 79

Record #6, Depth 140 m

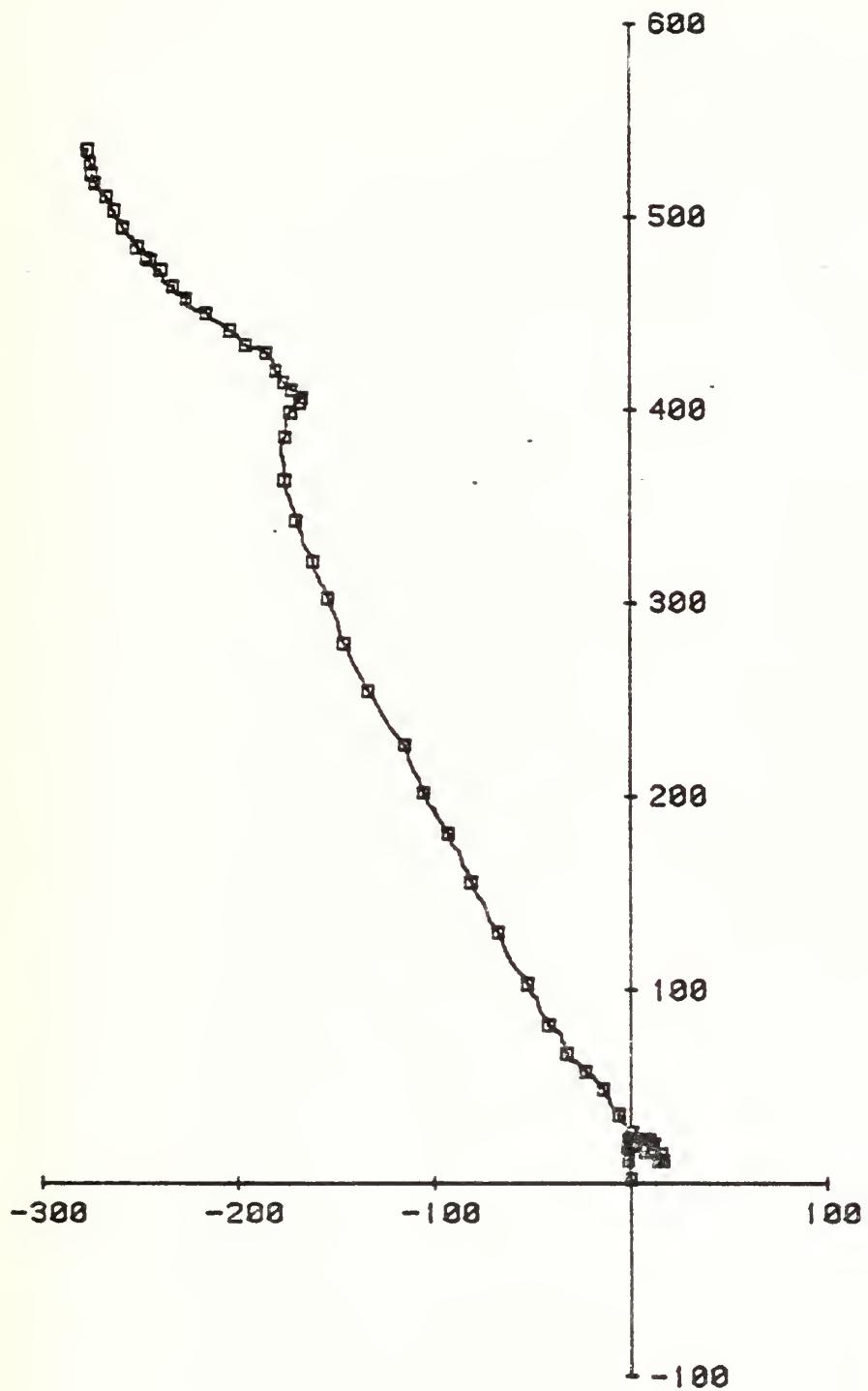
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	16.12	10.32	0.67	2.67	0.80	49.40	8015
U(cm/s)	-5.82	8.60	-0.10	2.80	-31.80	20.60	8015
V(cm/s)	11.12	11.61	0.41	2.53	-19.10	44.30	8015
T(°C)	9.64	0.49	1.19	4.02	8.68	11.75	8015

Record #7, Depth 215 m

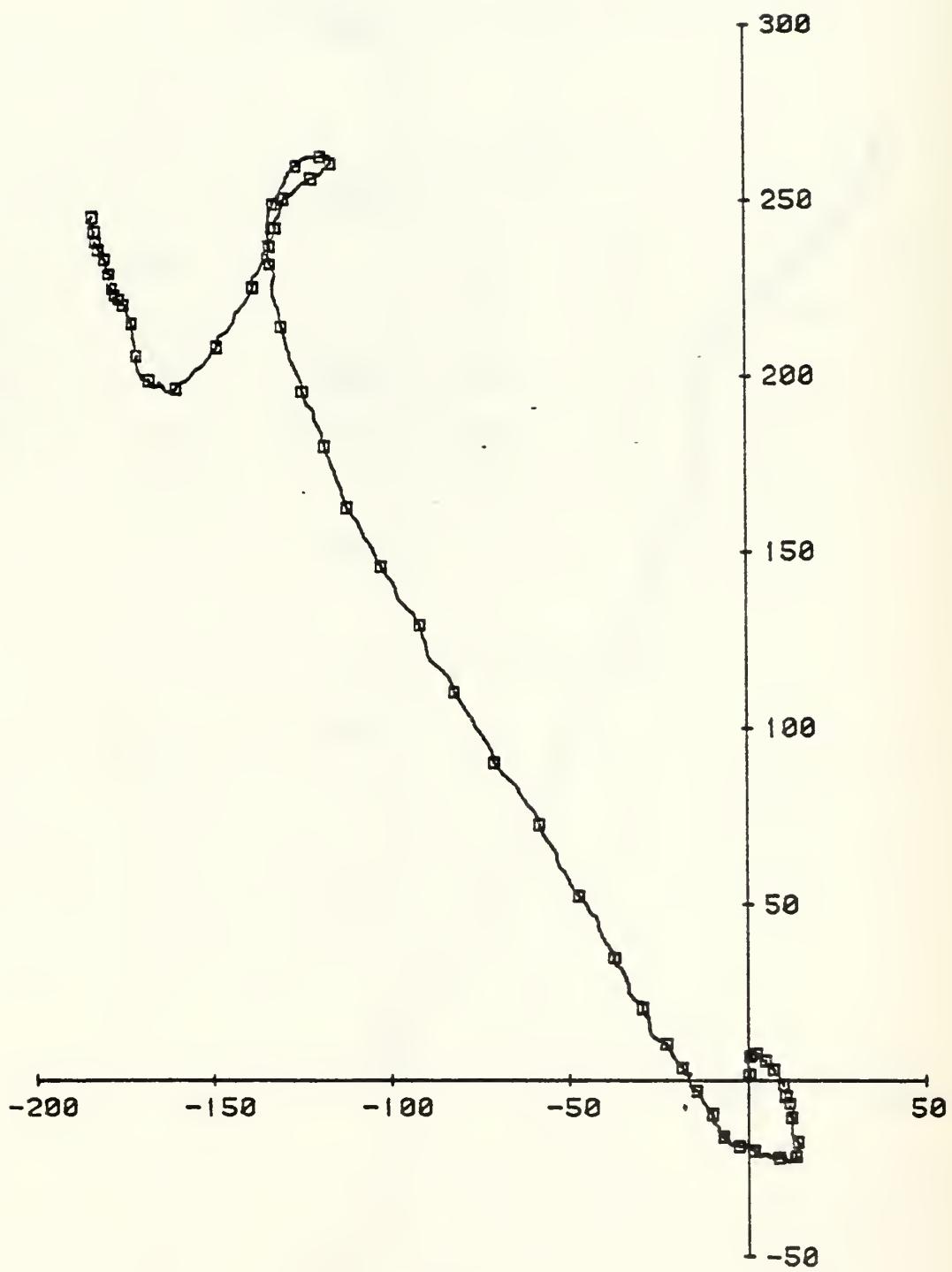
S(cm/s)	12.16	8.83	0.68	2.17	0.80	42.40	8015
U(cm/s)	-3.83	7.16	-0.38	3.28	-30.10	17.00	8015
V(cm/s)	5.12	11.56	0.00	2.95	-36.40	38.50	8015
T(°C)	8.95	0.31	0.12	2.98	8.01	10.01	8015

Record #8, Depth 340 m

T(°C)	7.79	0.42	0.57	3.12	6.70	9.09	8016
P(decibars)	348.10	2.53	2.32	10.84	345.90	369.30	8016

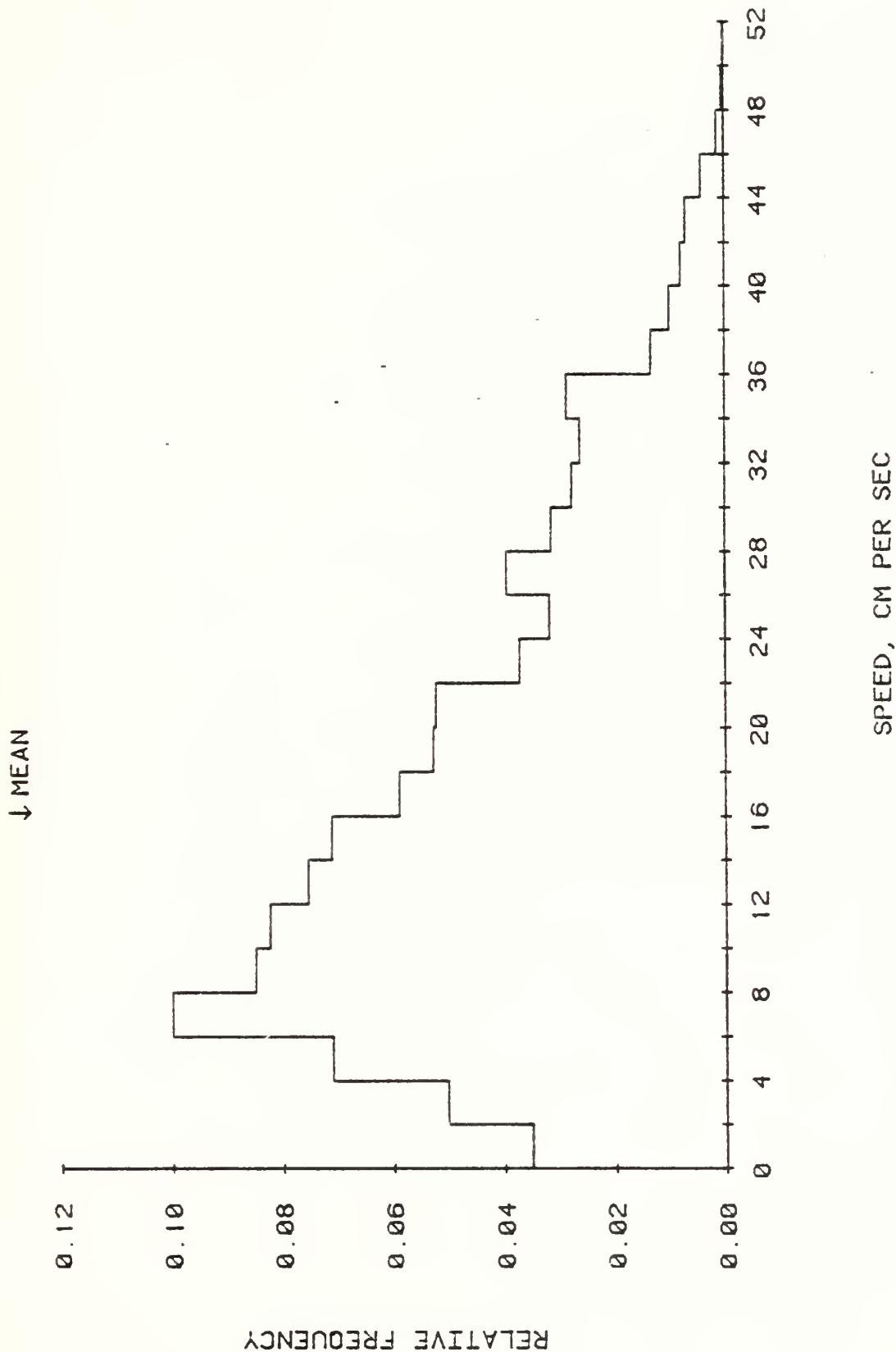


140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.

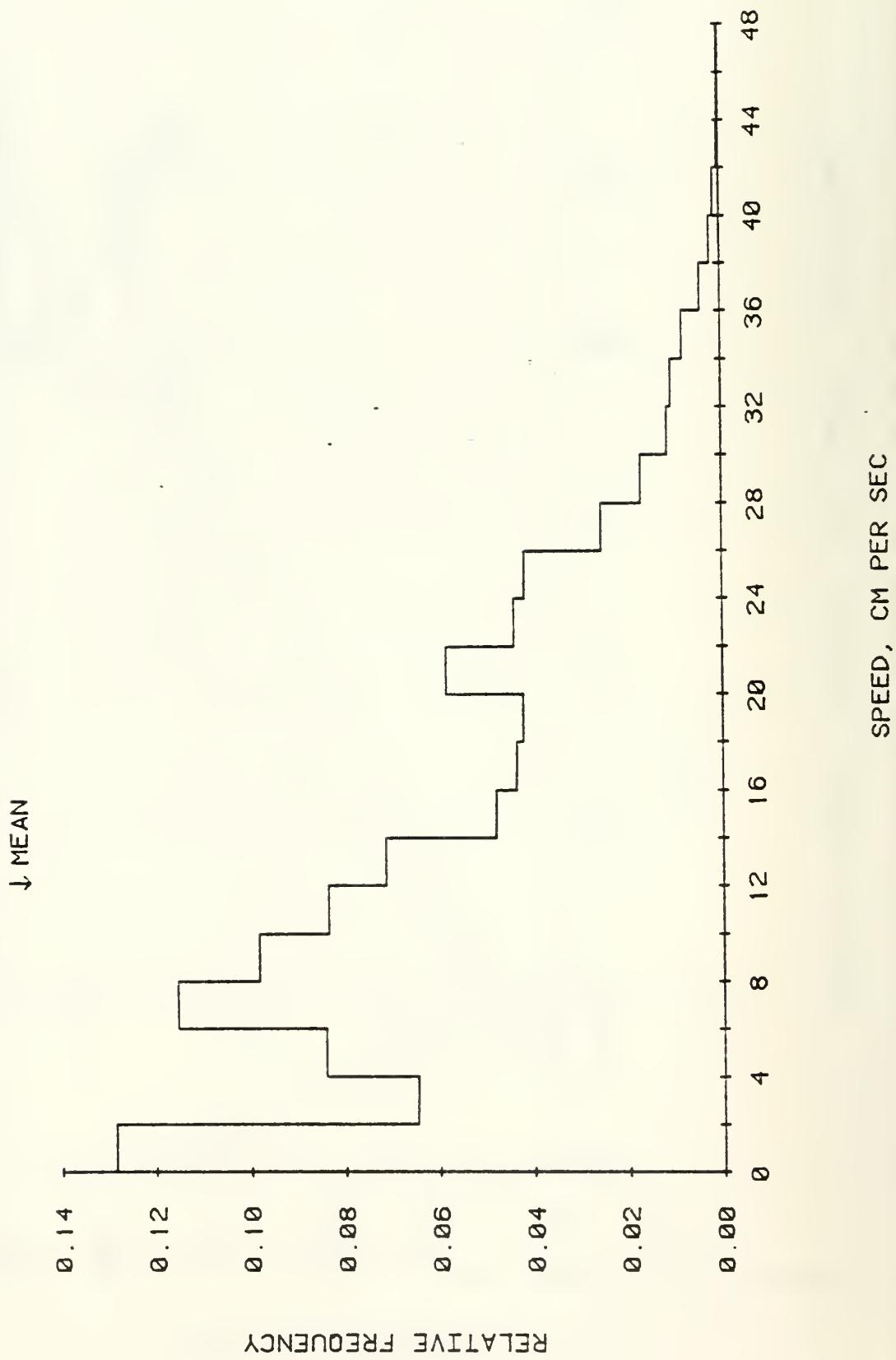


215 METERS AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.

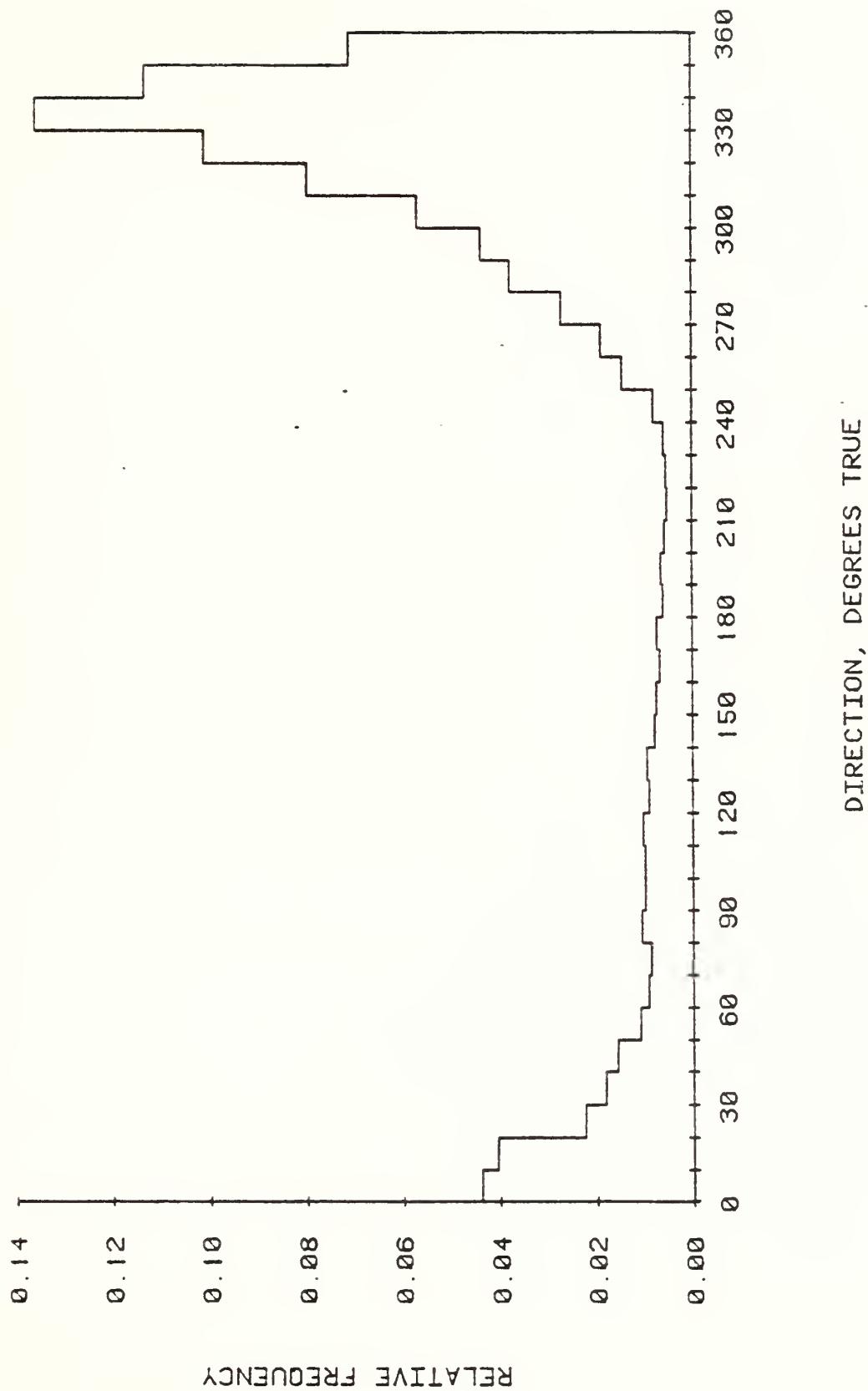
140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.



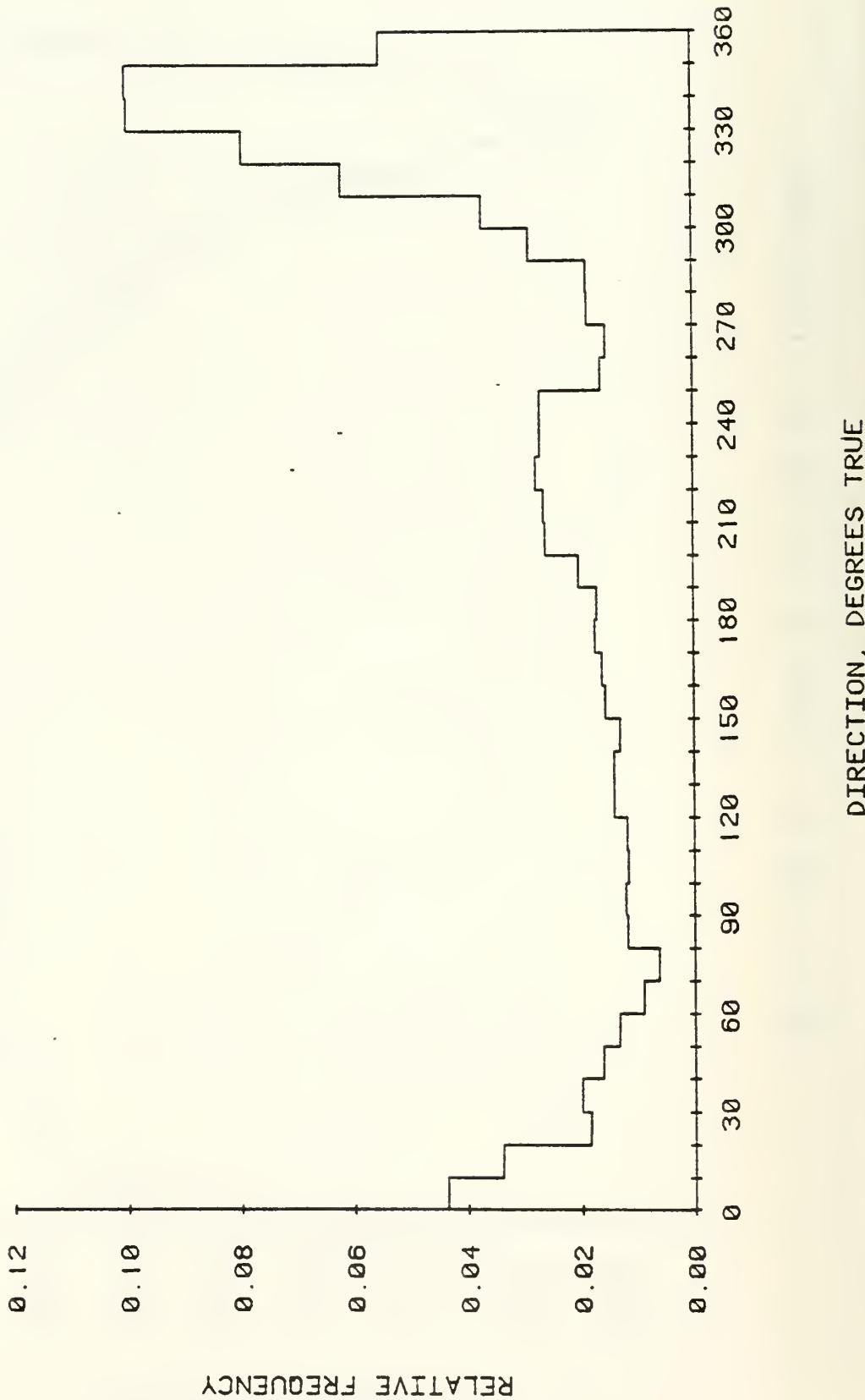
215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.



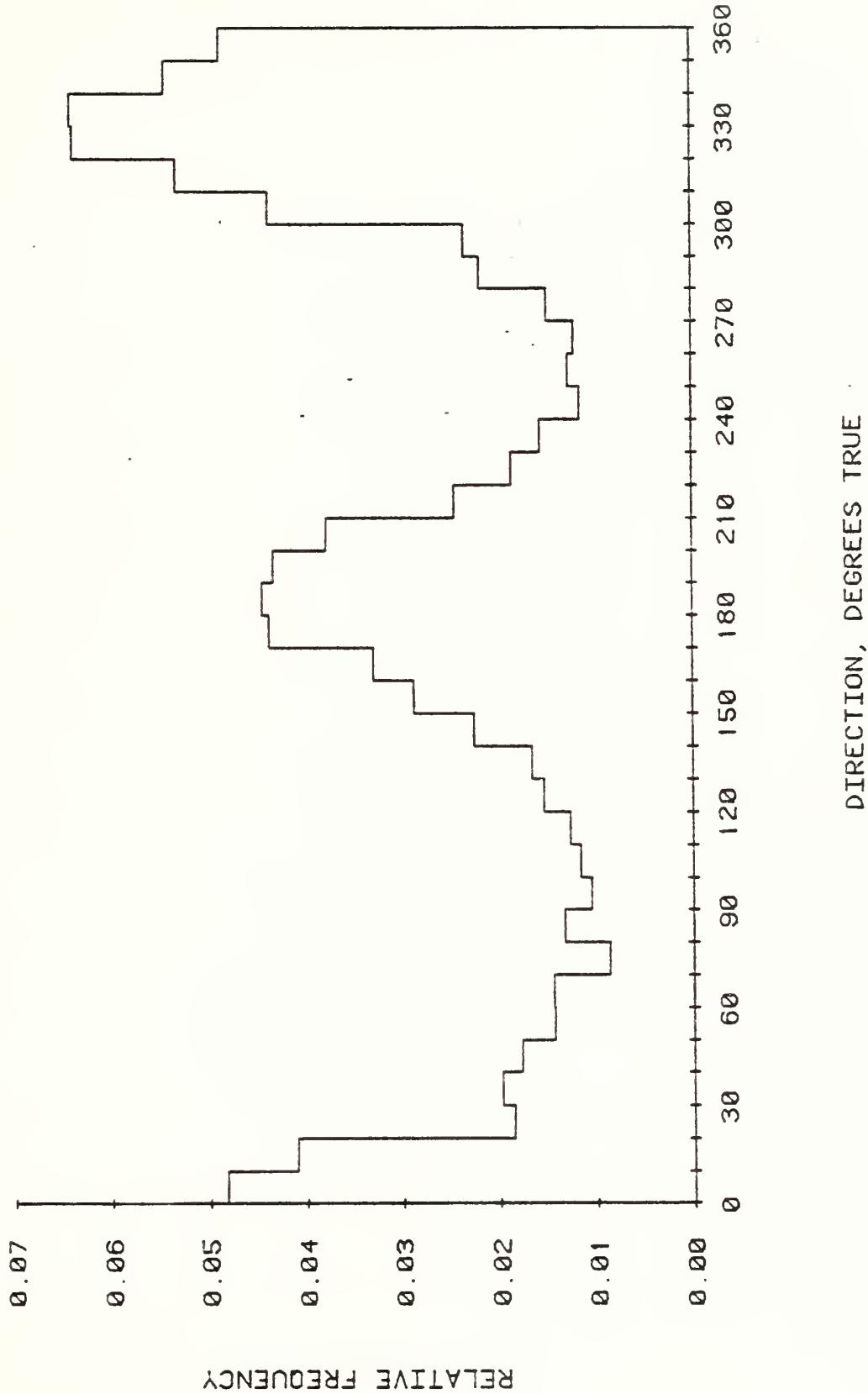
140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.



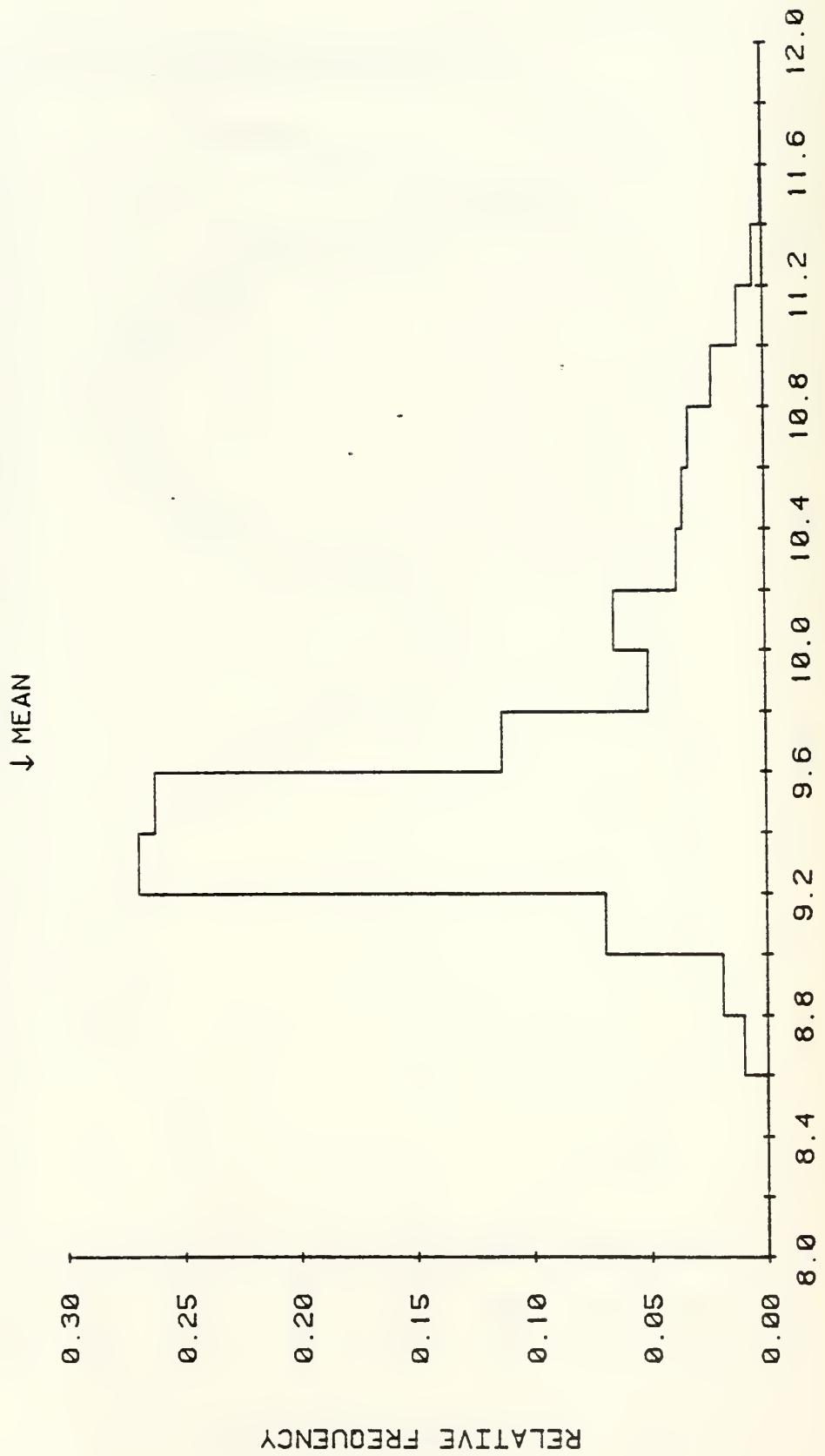
215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.



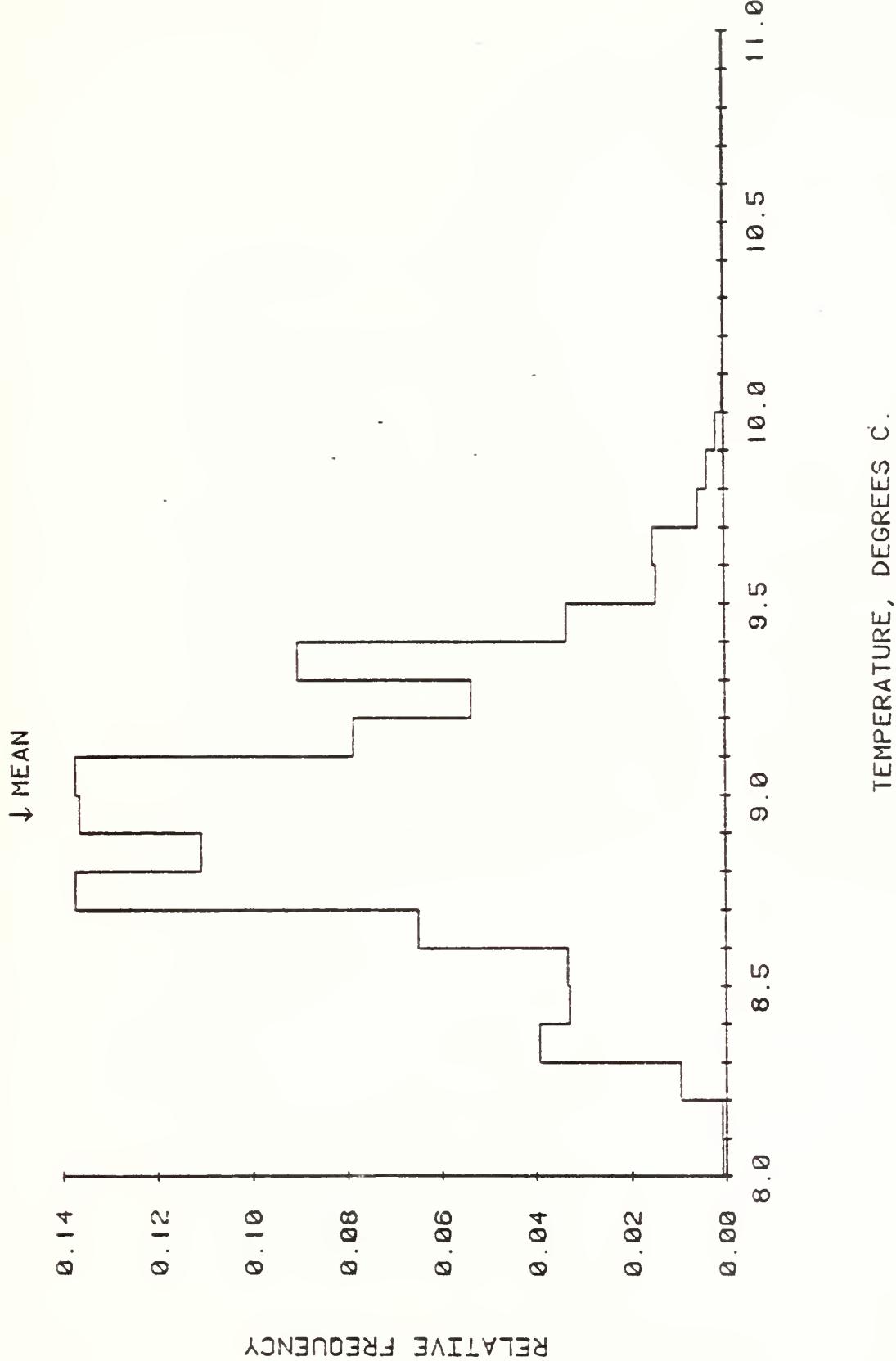
340 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1319/1.



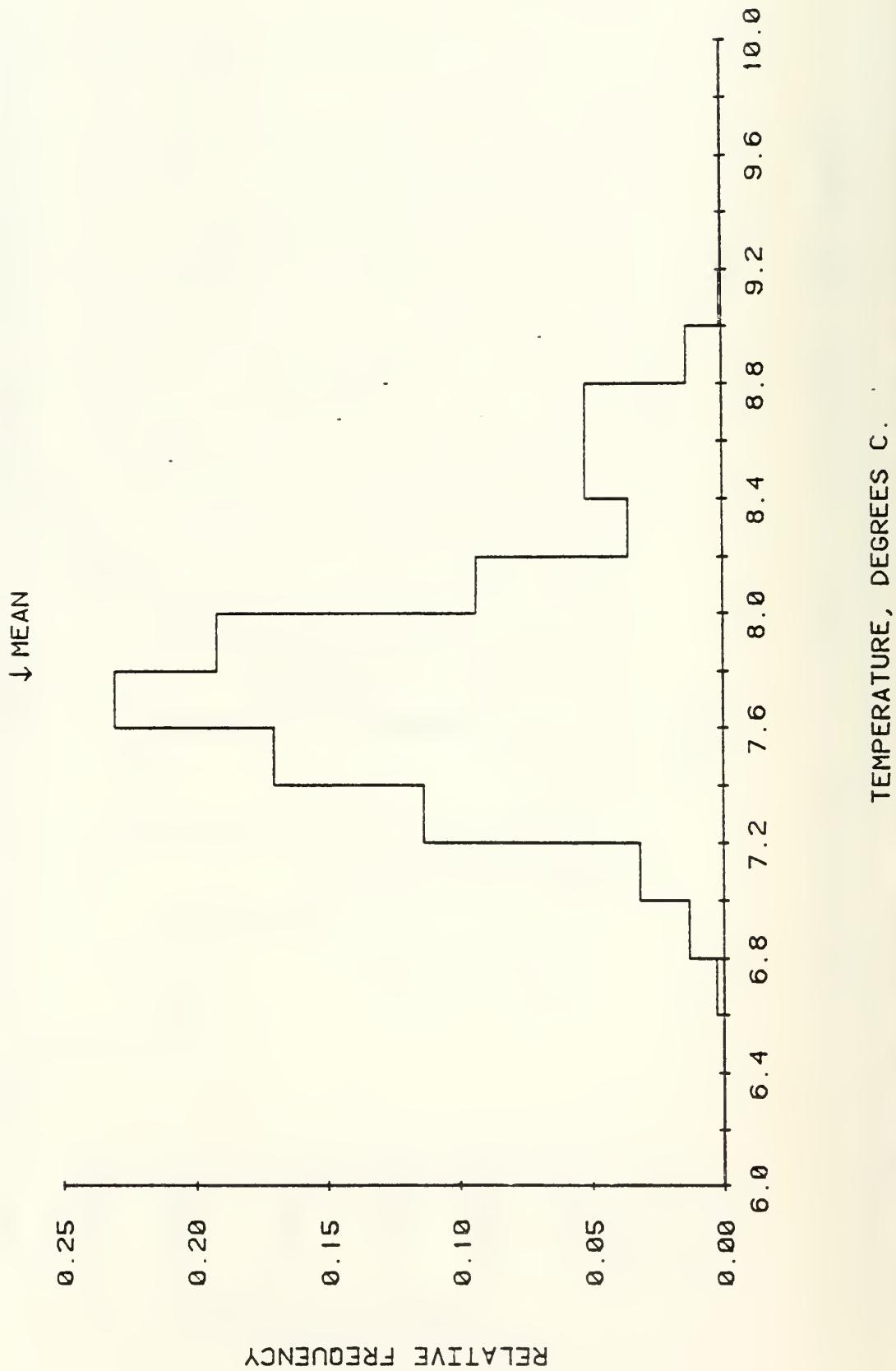
140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.



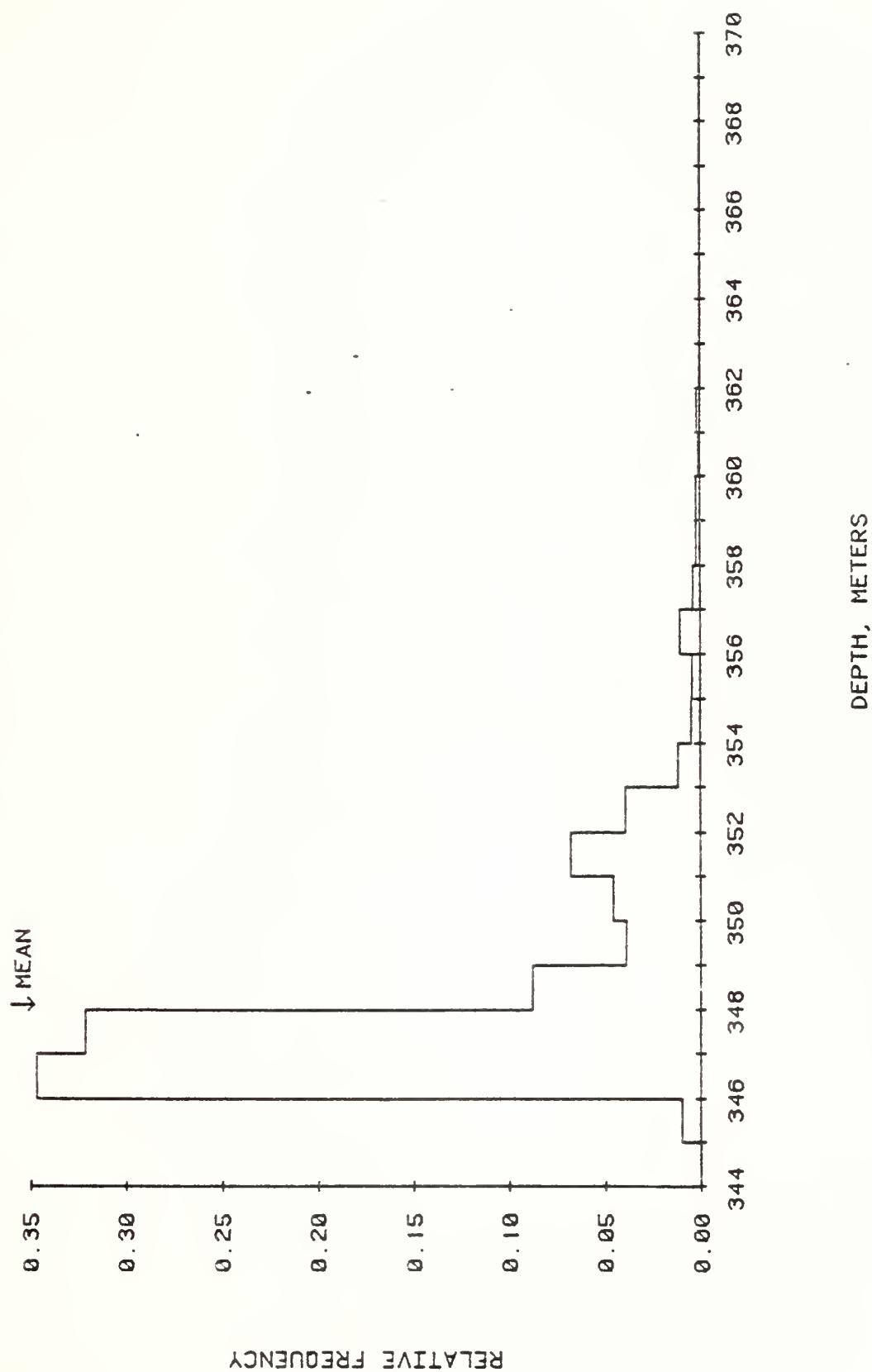
215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.



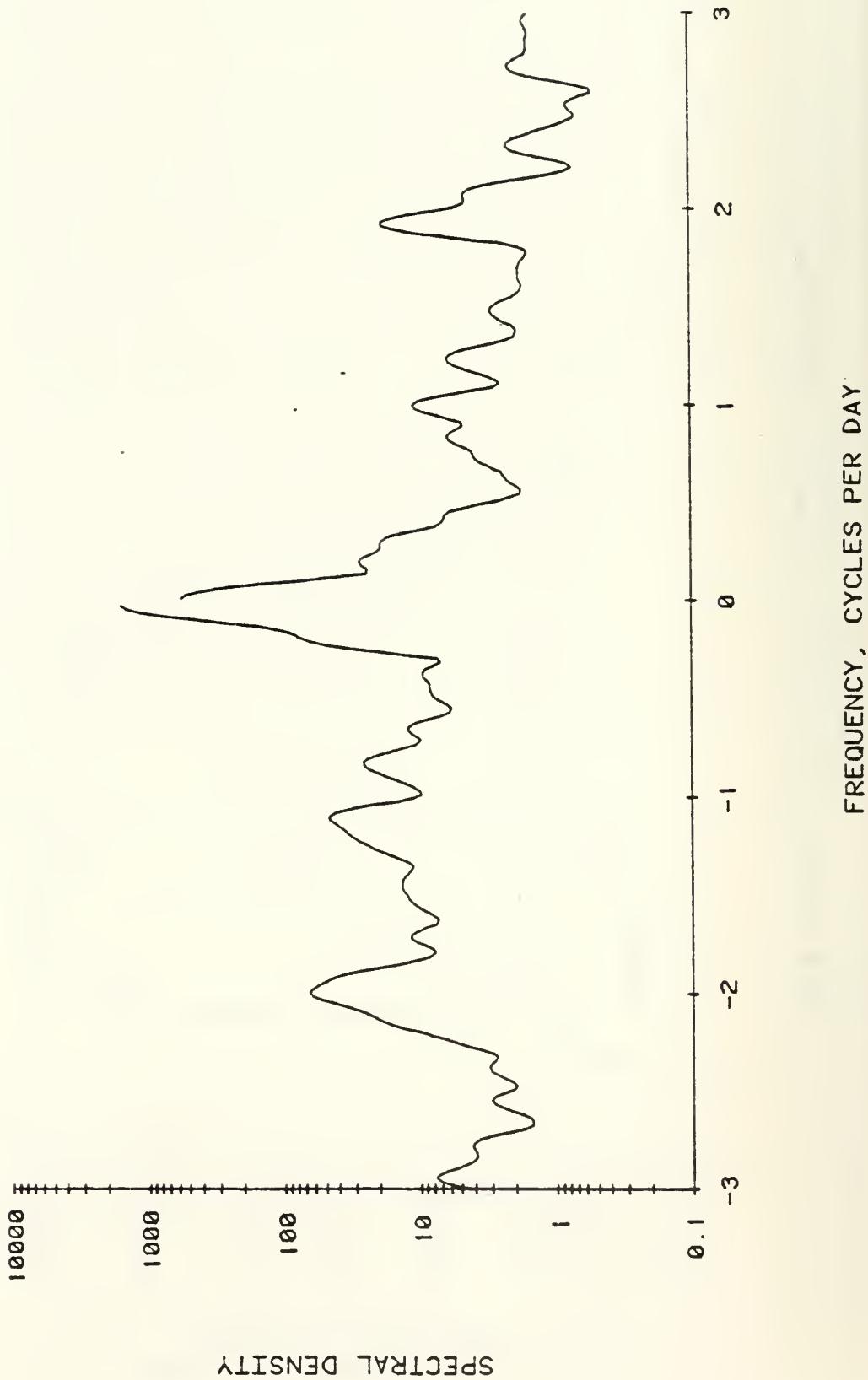
340 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1319/1.



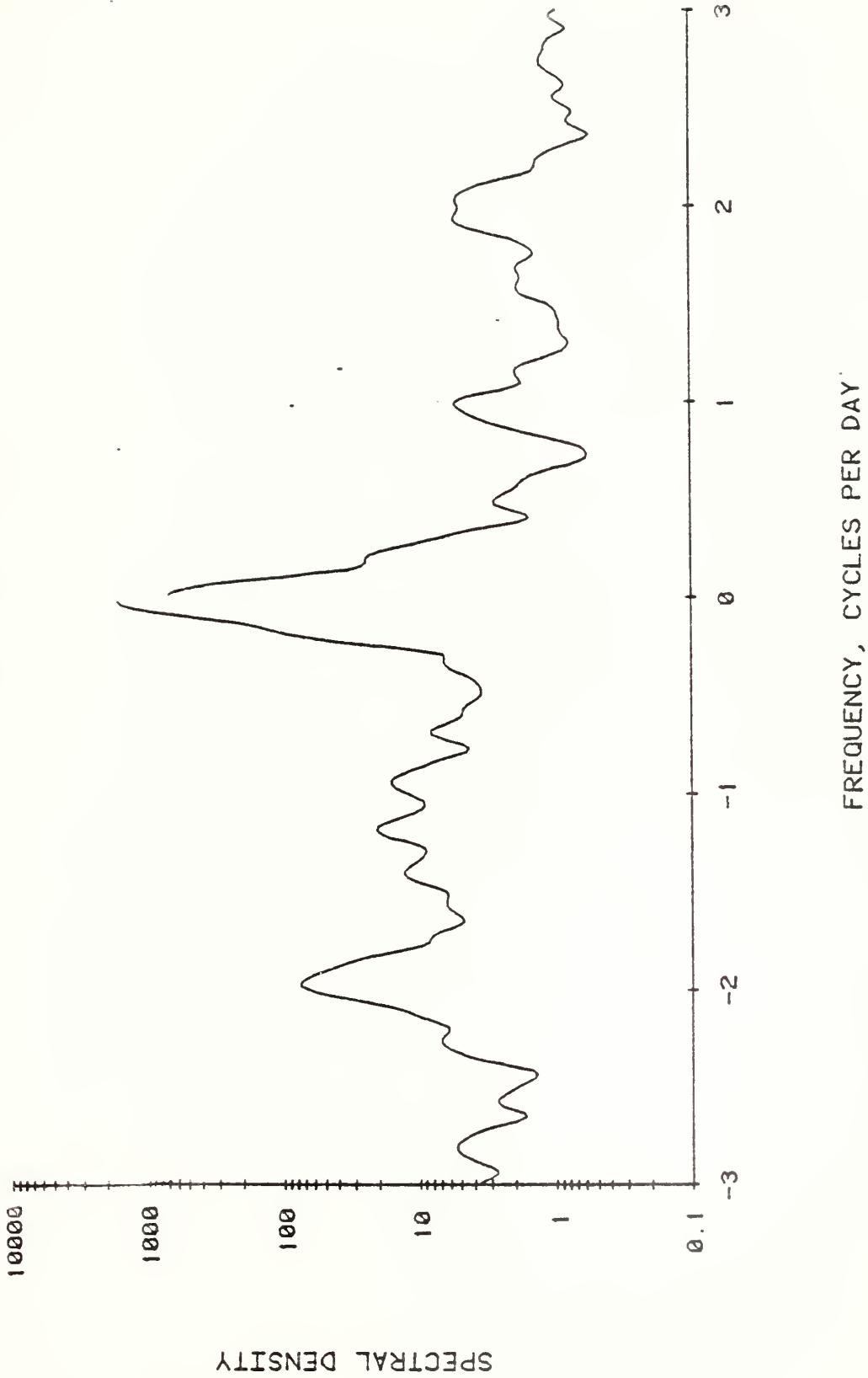
340 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1319/1.



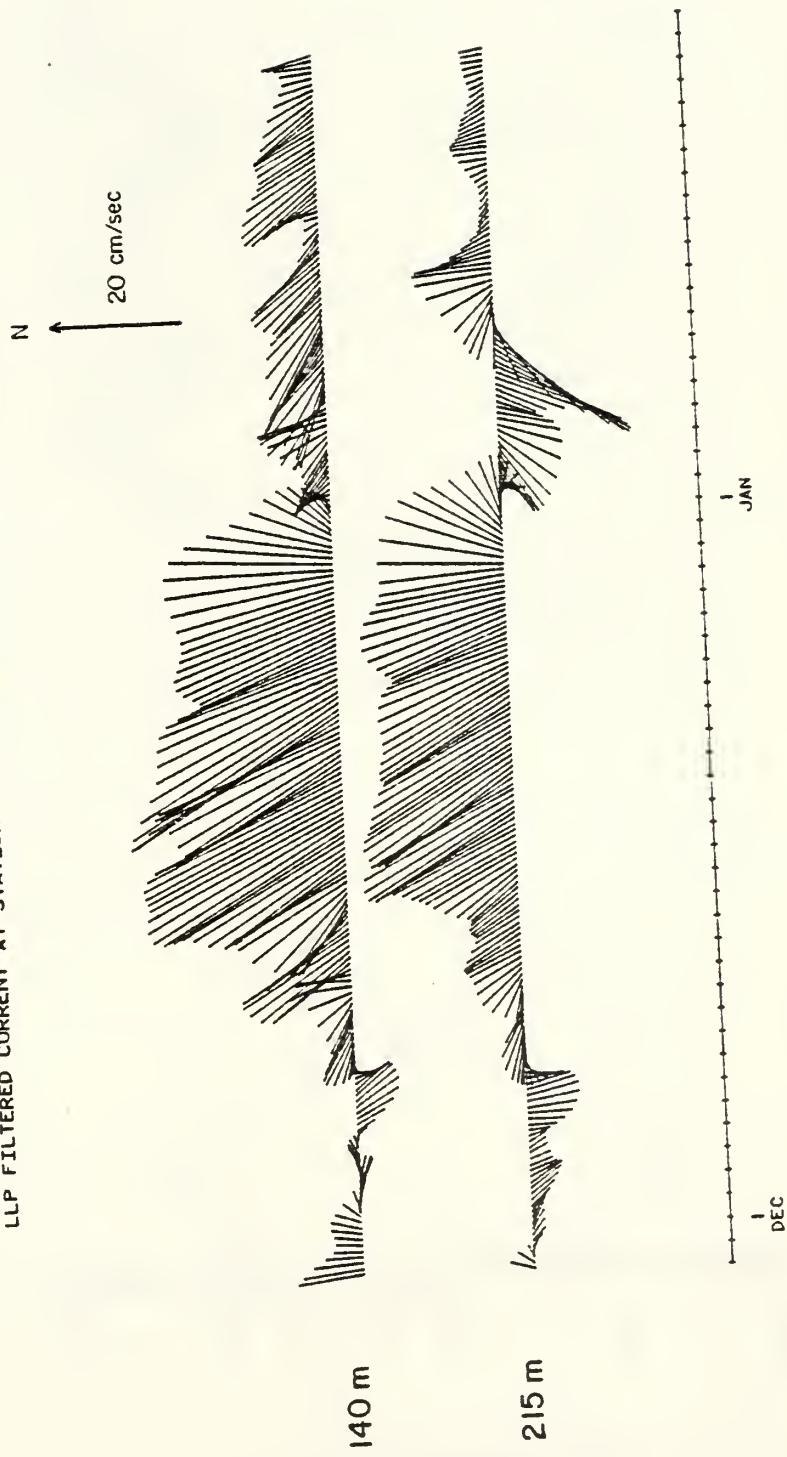
140 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1758/1.

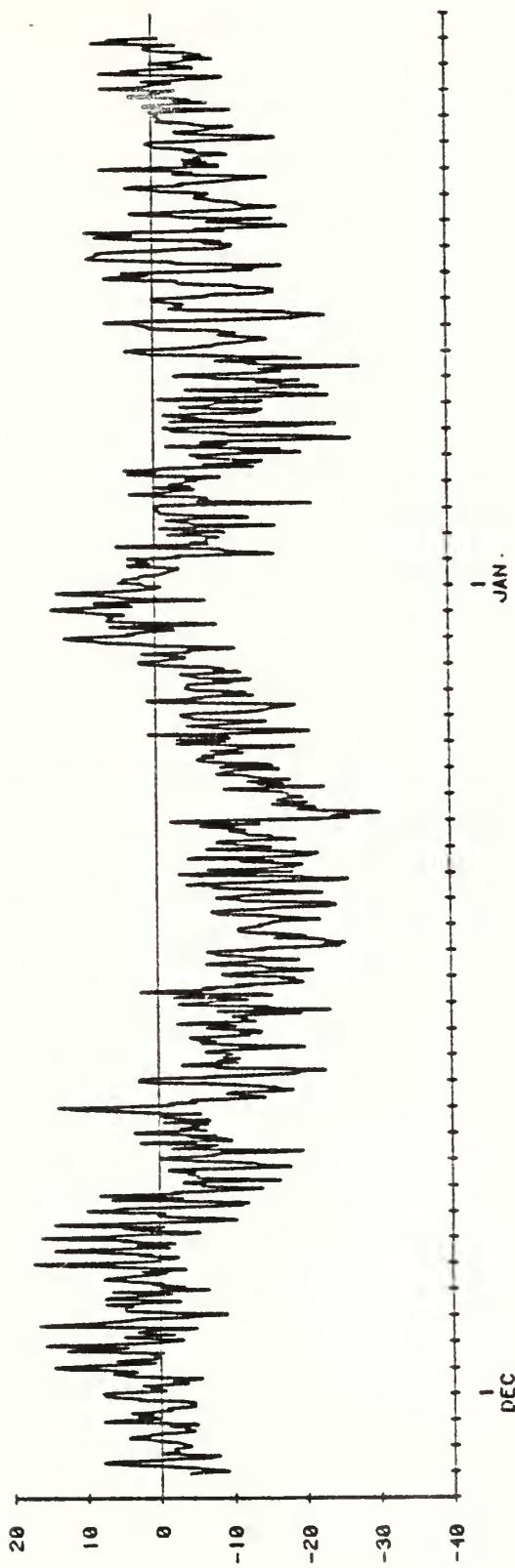


215 M AT STN 5. 27 NOV 78 - 22 JAN 79. TAPE 1625/1.



LLP FILTERED CURRENT AT STATION 5. NOVEMBER 1978 - JANUARY 1979.

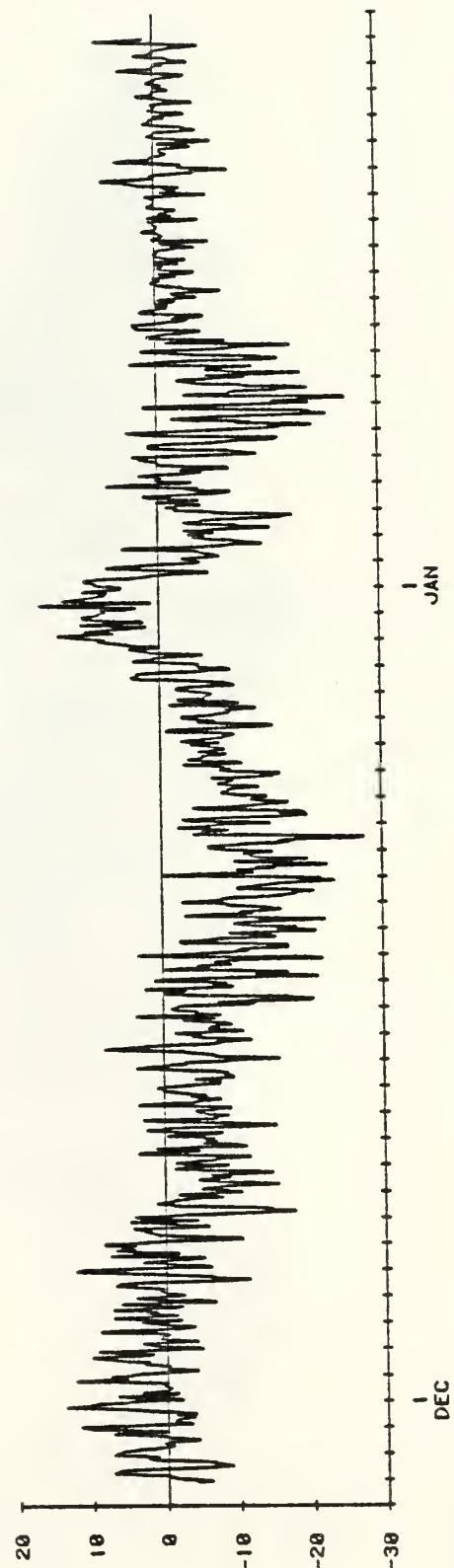




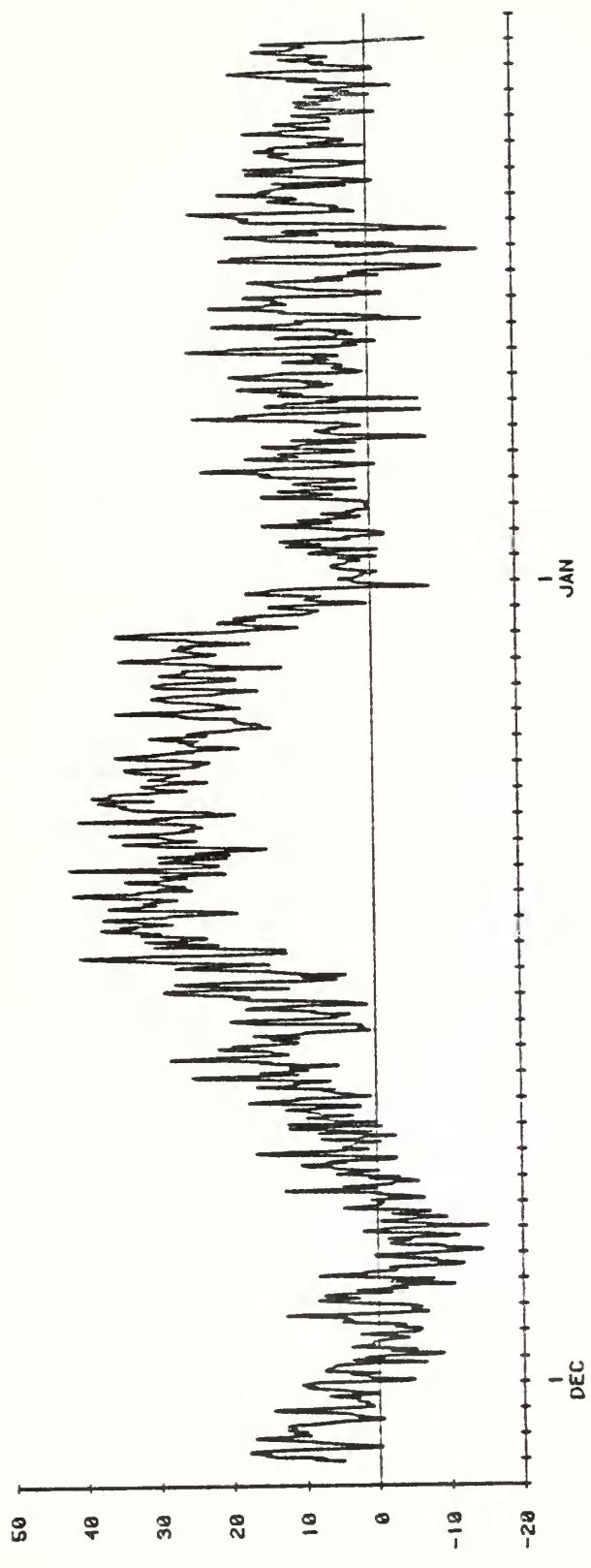
U COMPONENT 140 M AT STN 5.

CM PER SEC

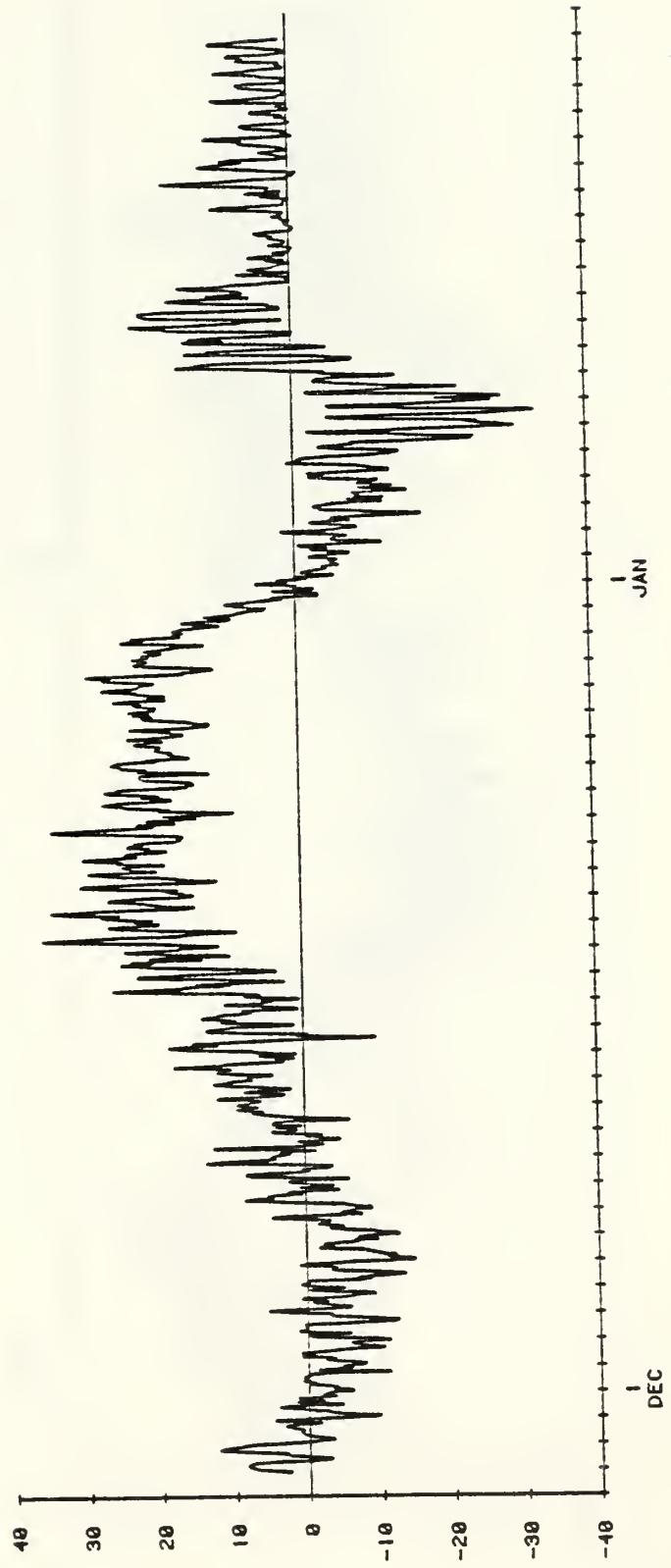
U COMPONENT. 215 M AT STN 5.



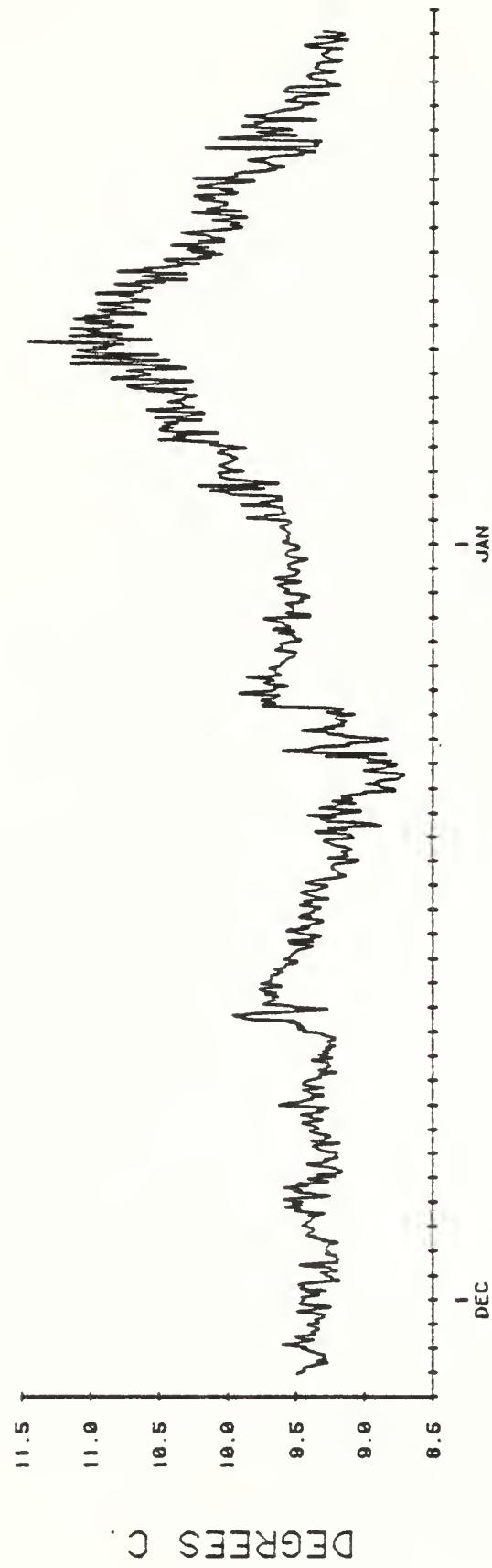
CM PER SEC



V COMPONENT . 140 M AT STN 5.

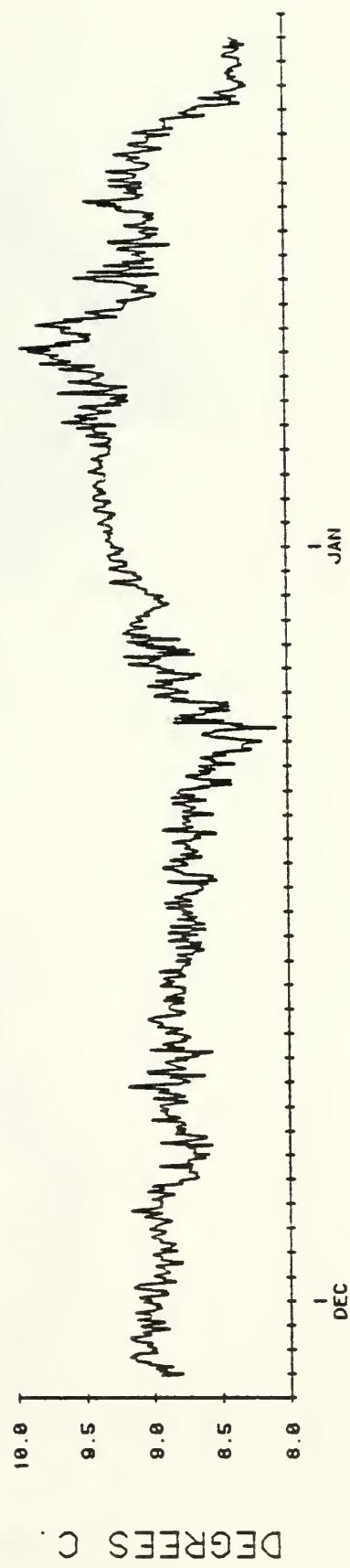


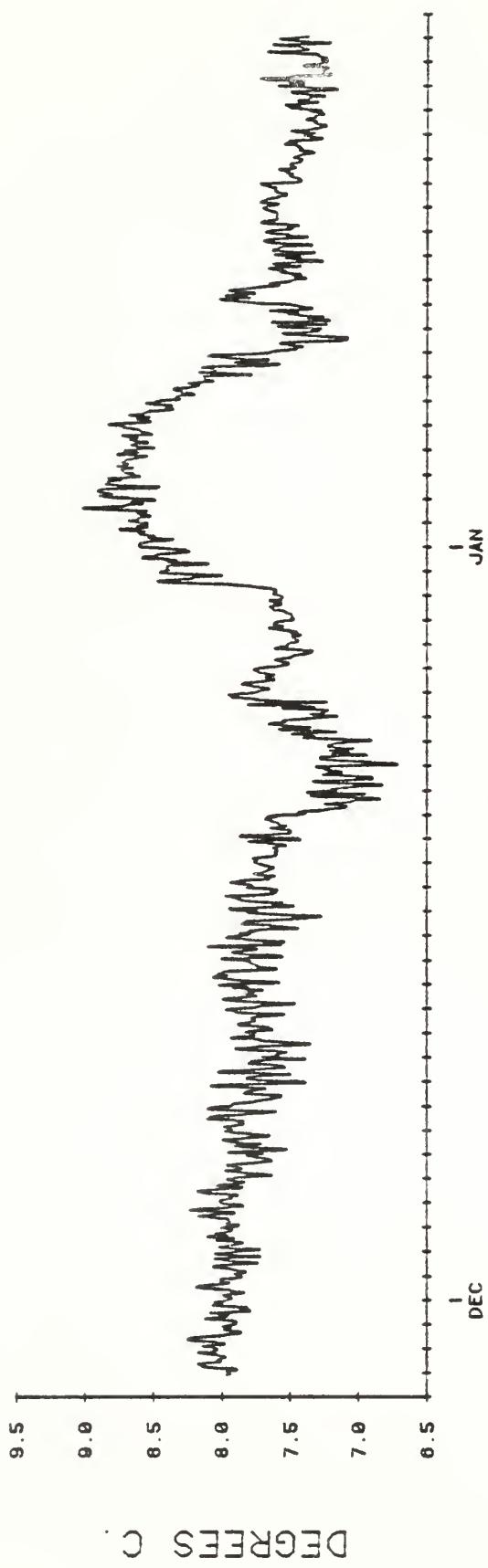
V COMPONENT. 215 MA STN 5.



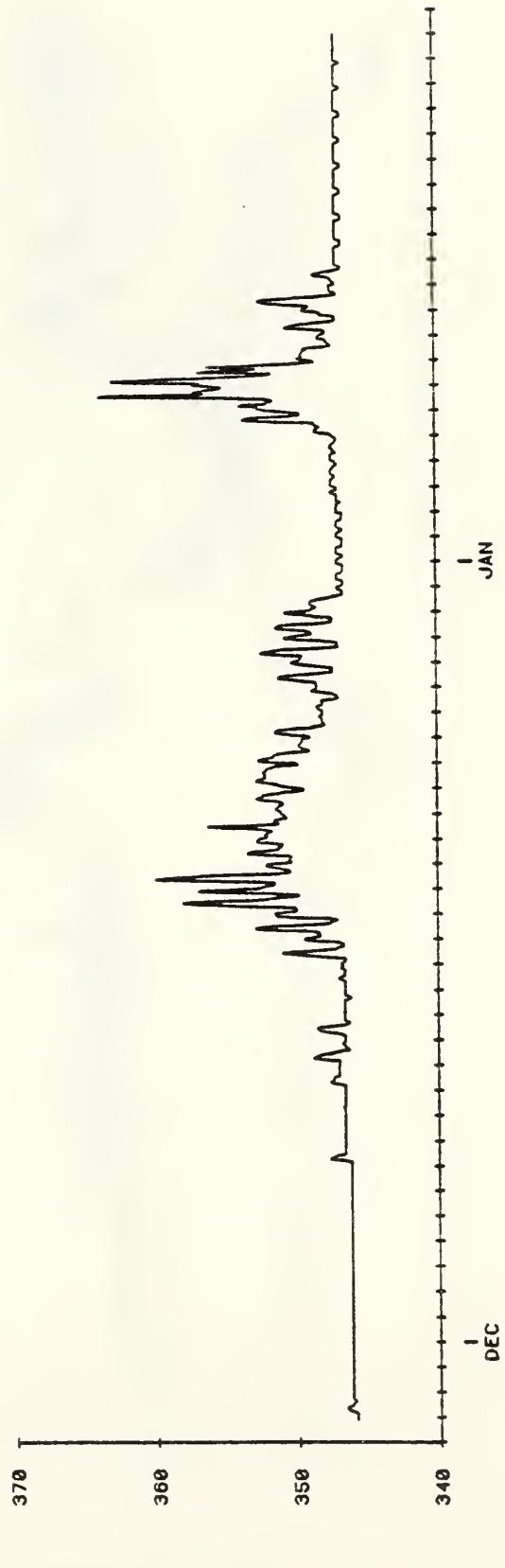
TEMPERATURE . 140 M AT STN 5 .

TEMPERATURE. 215 M AT STN 5.





TEMPERATURE . 340 M AT STN 5.



DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 5.

MESES

STATION 7 - 35° 51.5'N, 121° 47.2'W
 9 JAN 79 - 2 MAR 79

Record #9, Depth 152 m

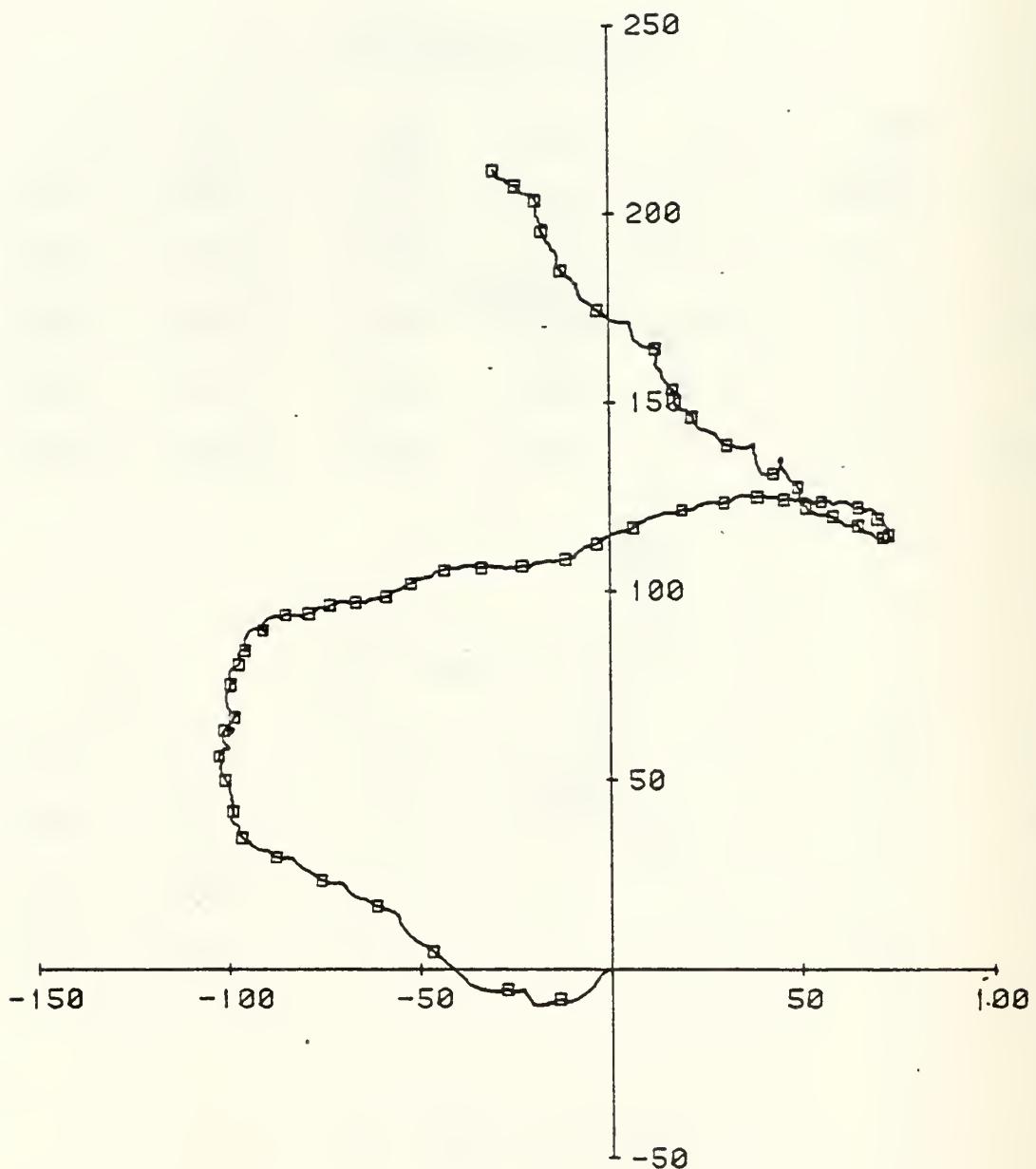
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	13.26	8.17	0.73	3.79	0.80	52.20	7434
U(cm/s)	-0.68	12.19	-0.37	2.87	-47.50	28.90	7434
V(cm/s)	4.75	8.43	0.10	4.50	-35.40	34.80	7434
T(°C)	9.51	0.36	0.52	3.32	8.65	10.83	7434
Z(meters)	133.91	6.73	6.61	53.36	131.10	213.60	7434

Record #10, Depth 223 m

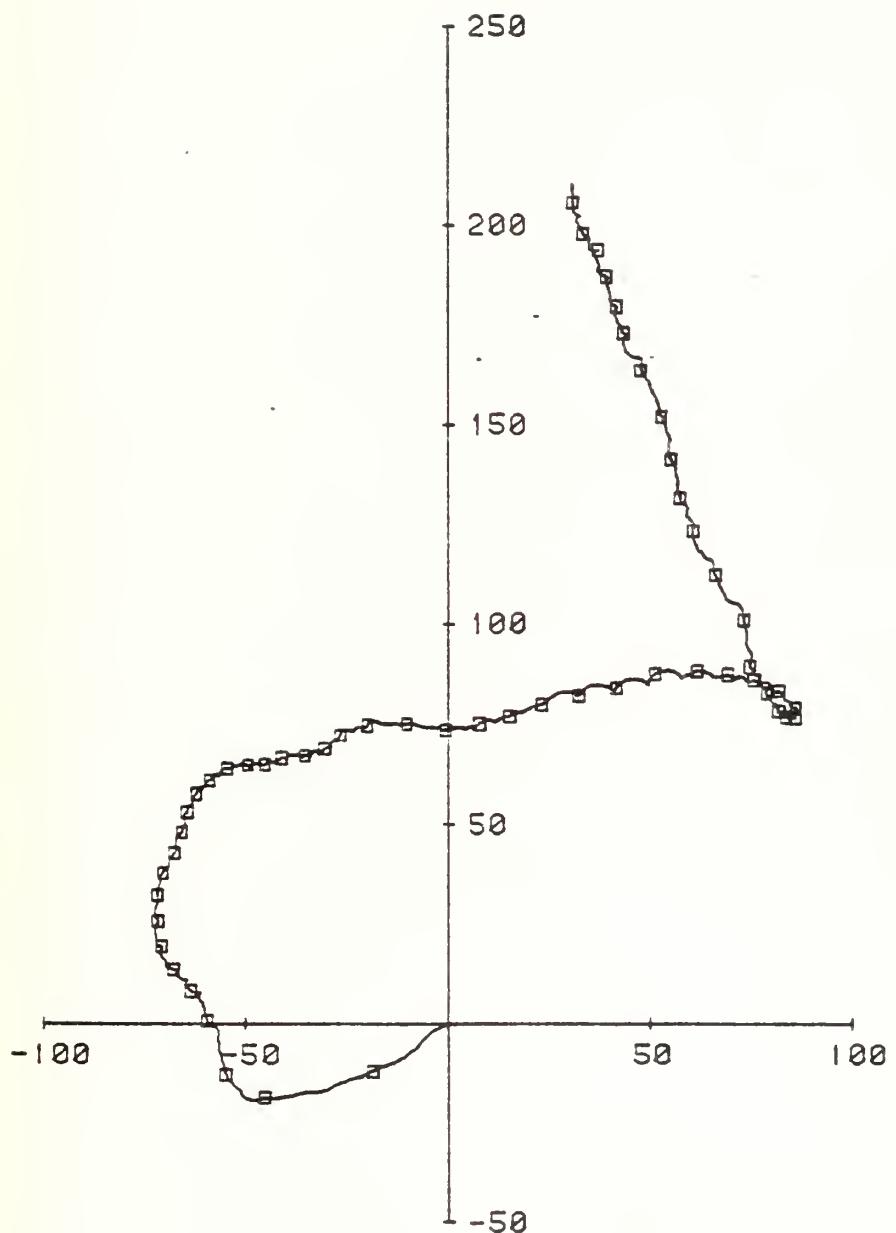
S(cm/s)	11.14	7.24	2.02	10.23	0.80	54.70	7814
U(cm/s)	0.64	9.79	-1.29	7.16	-51.70	28.60	7814
V(cm/s)	4.49	7.75	-0.53	5.08	-36.80	29.10	7814
T(°C)	8.51	0.31	0.92	4.03	7.83	9.82	7814

Record #11, Depth 348 m

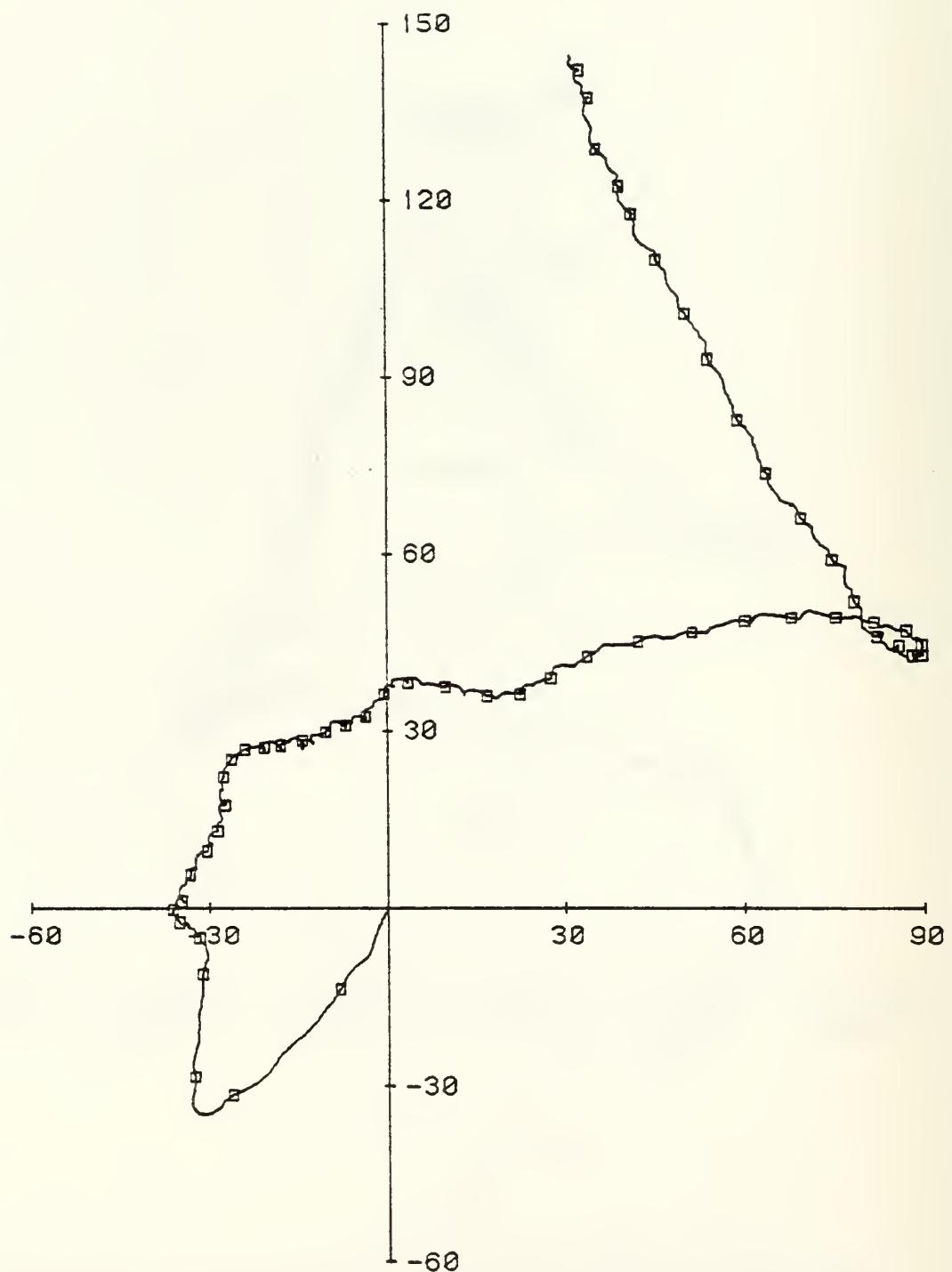
S(cm/s)	9.62	6.01	1.50	6.40	0.80	39.00	7663
U(cm/s)	0.68	7.62	-0.49	3.80	-31.80	23.00	7663
V(cm/s)	3.14	7.76	-0.87	6.34	-34.50	30.80	7663
T(°C)	7.39	0.22	0.44	2.83	6.64	8.15	7663



152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.

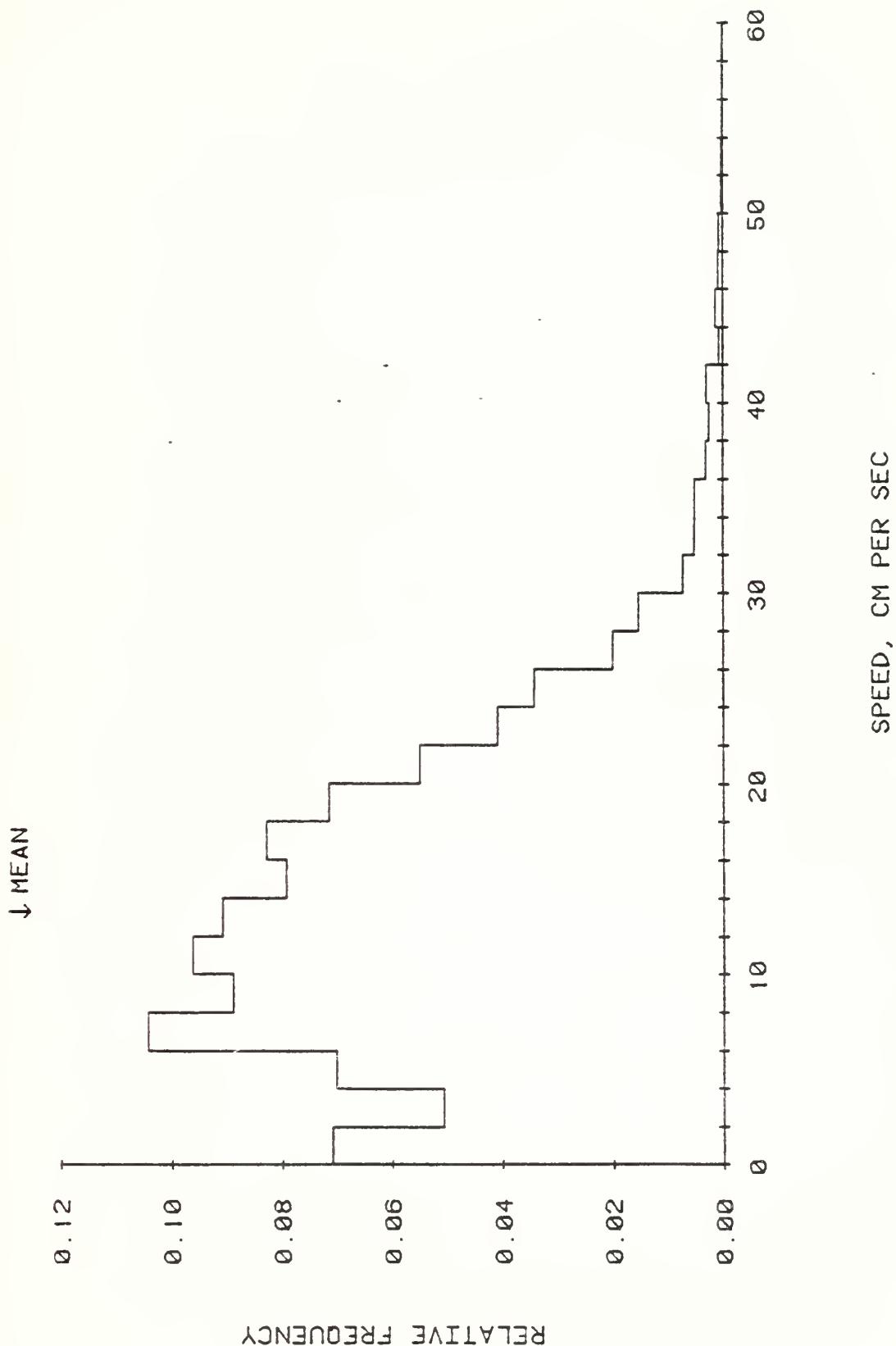


223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.

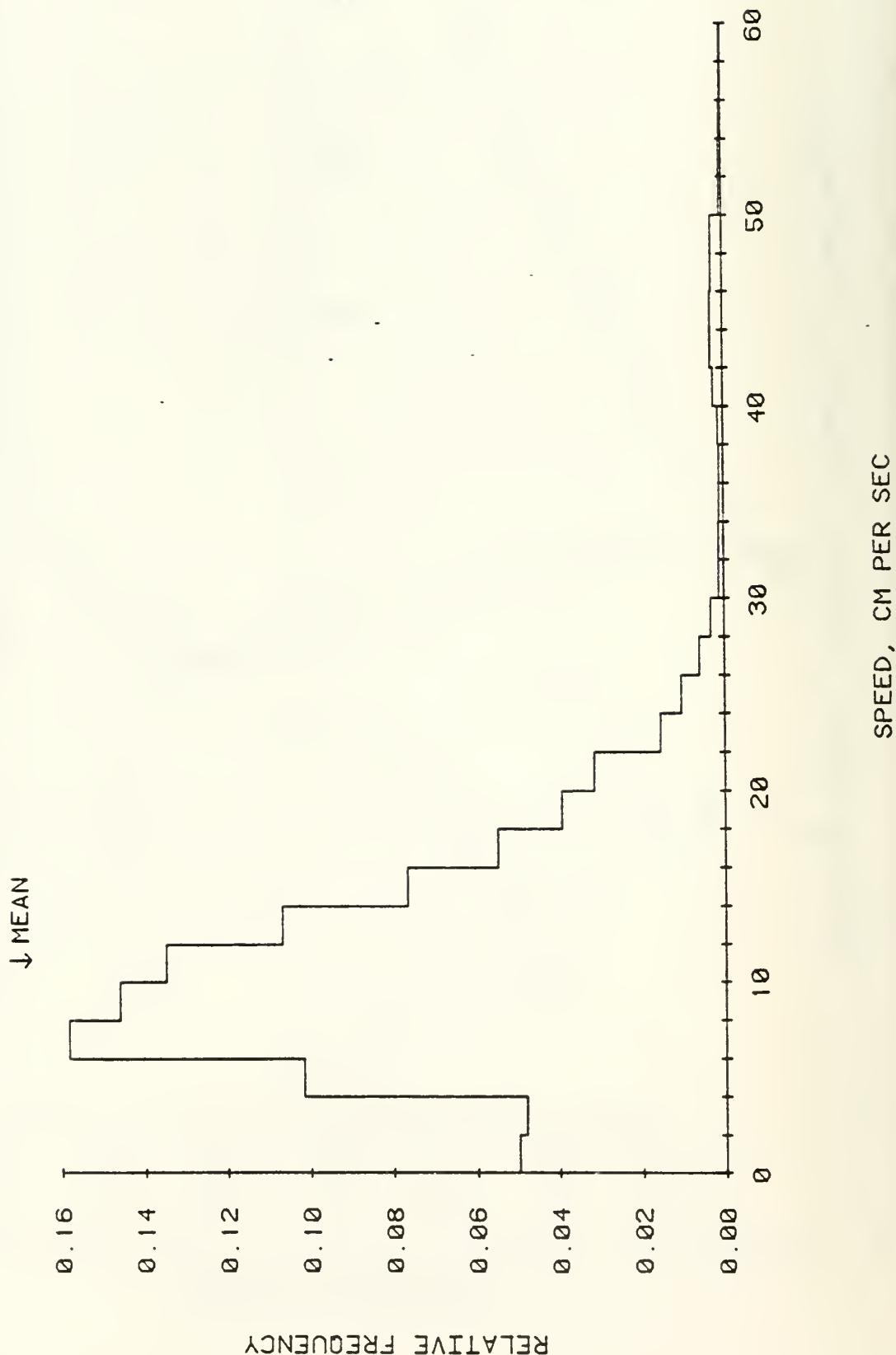


348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.

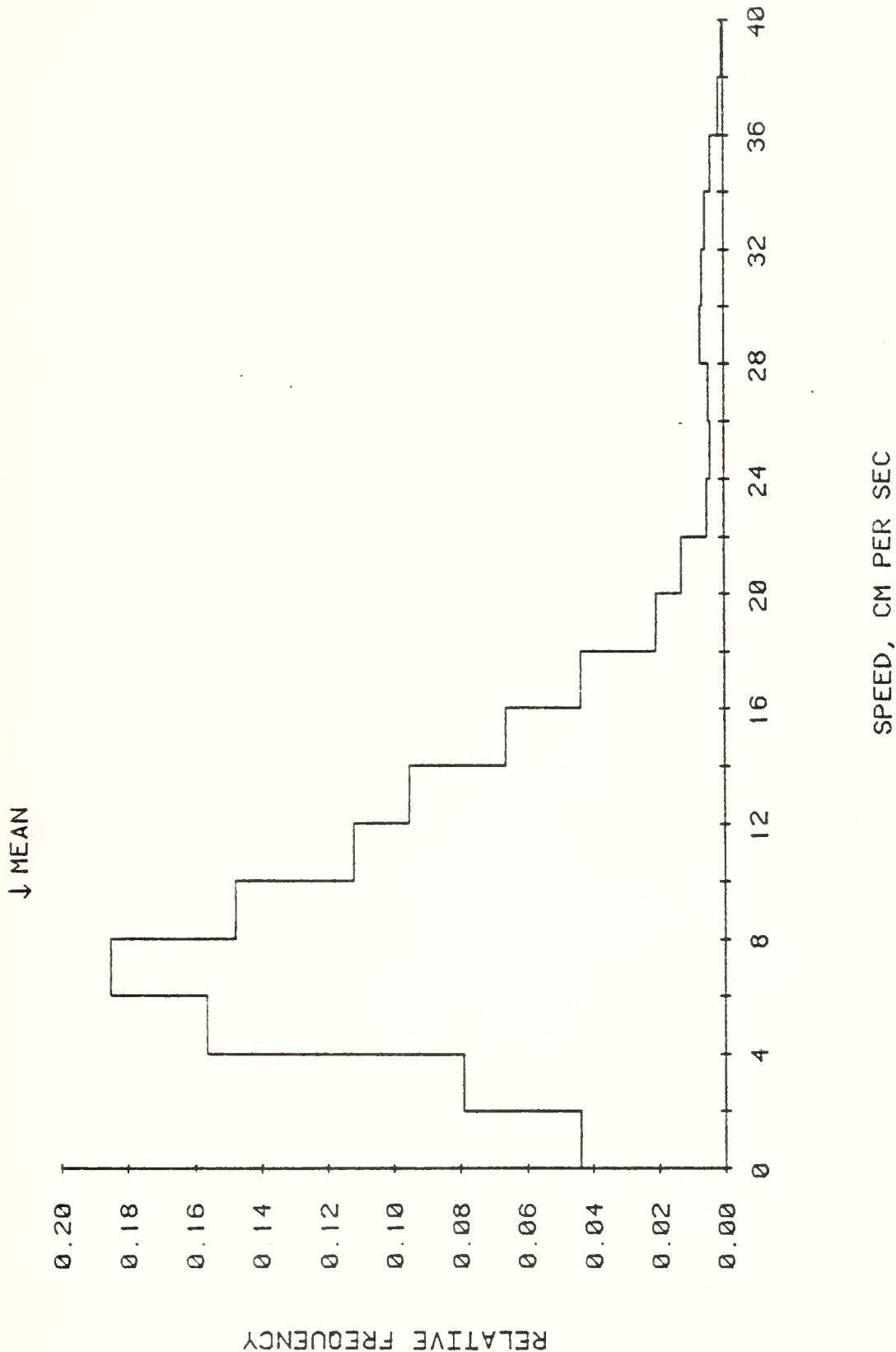
152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



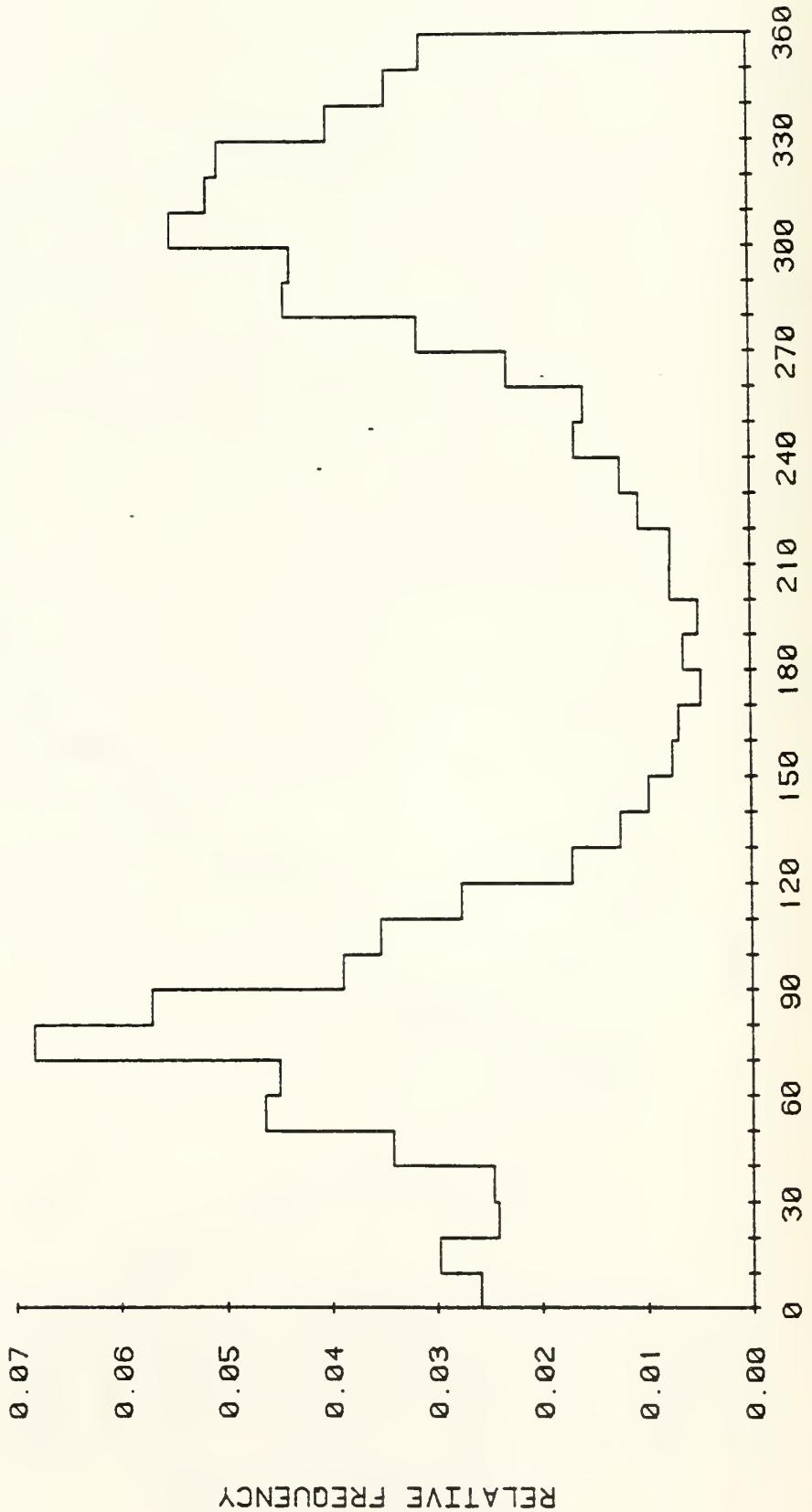
223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.



348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.

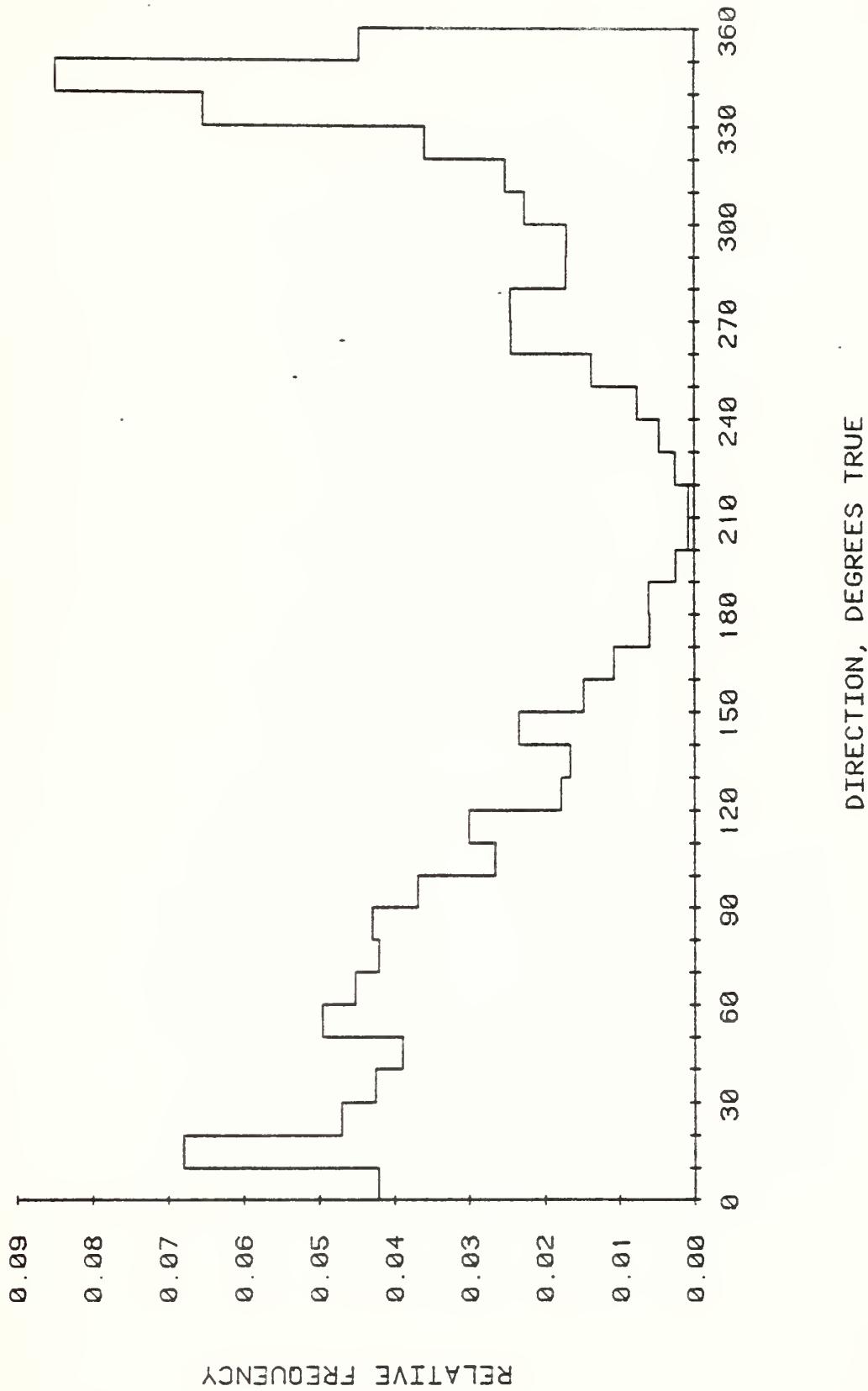


152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.

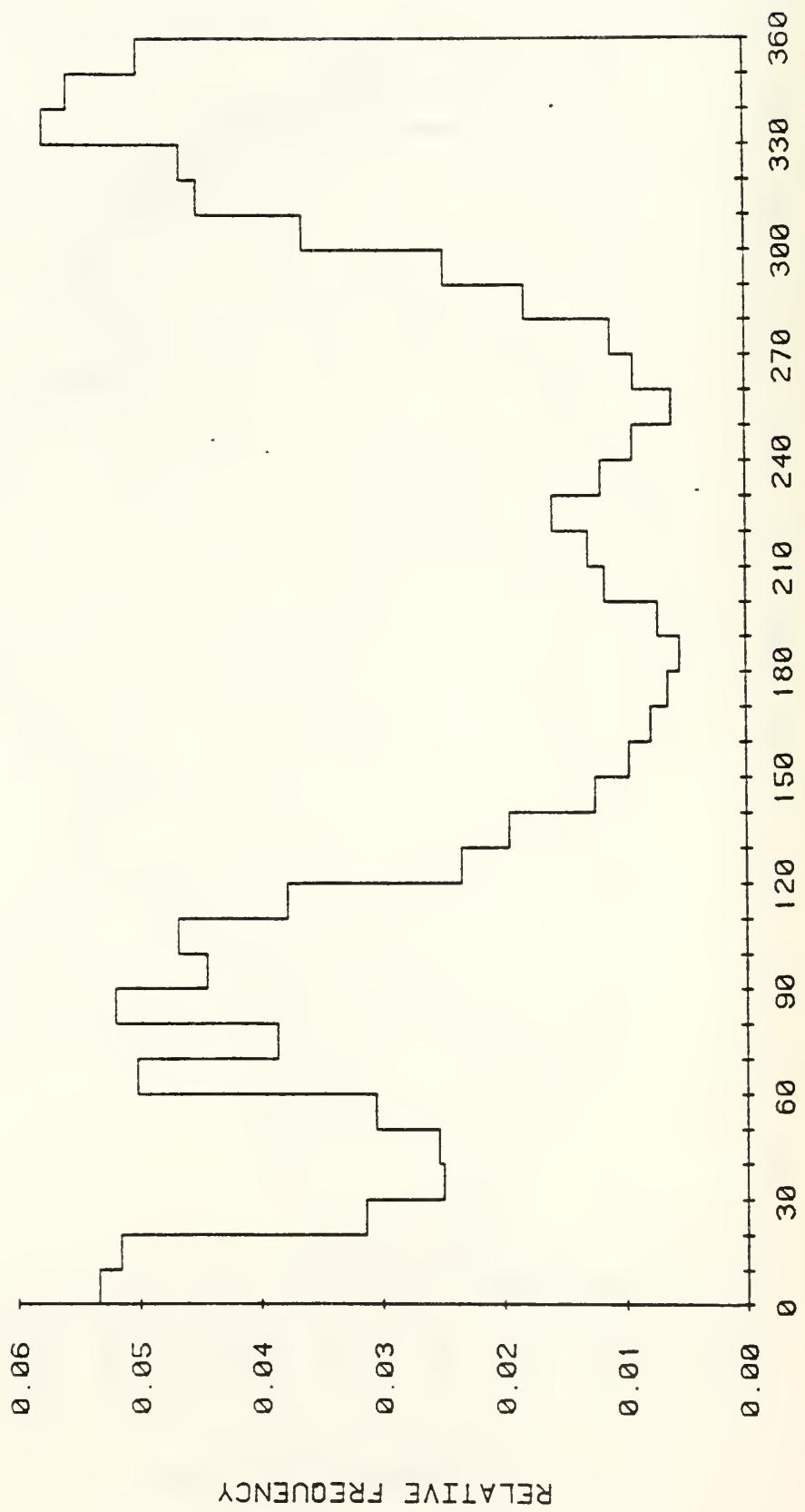


DIRECTION, DEGREES TRUE

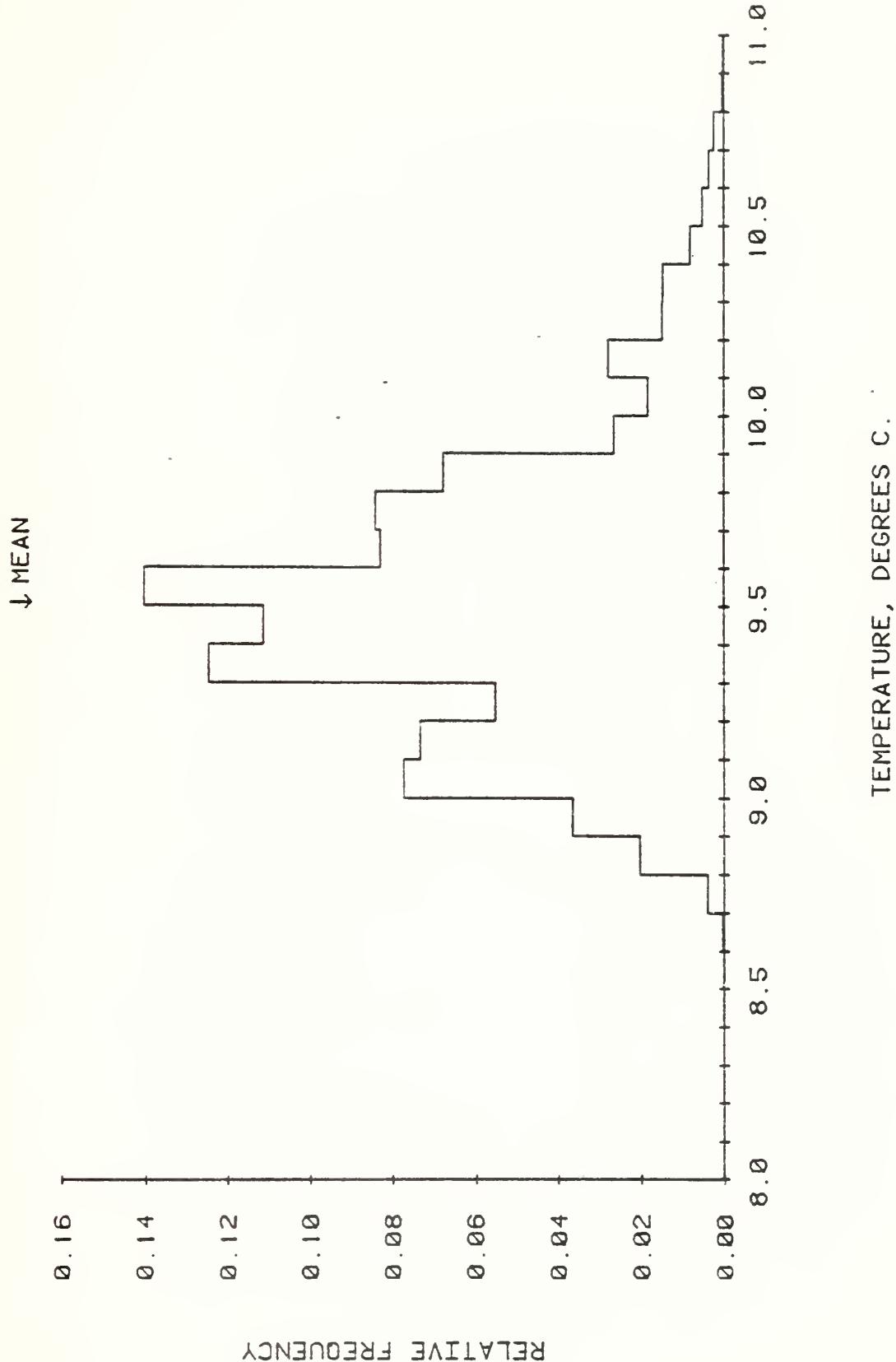
223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.



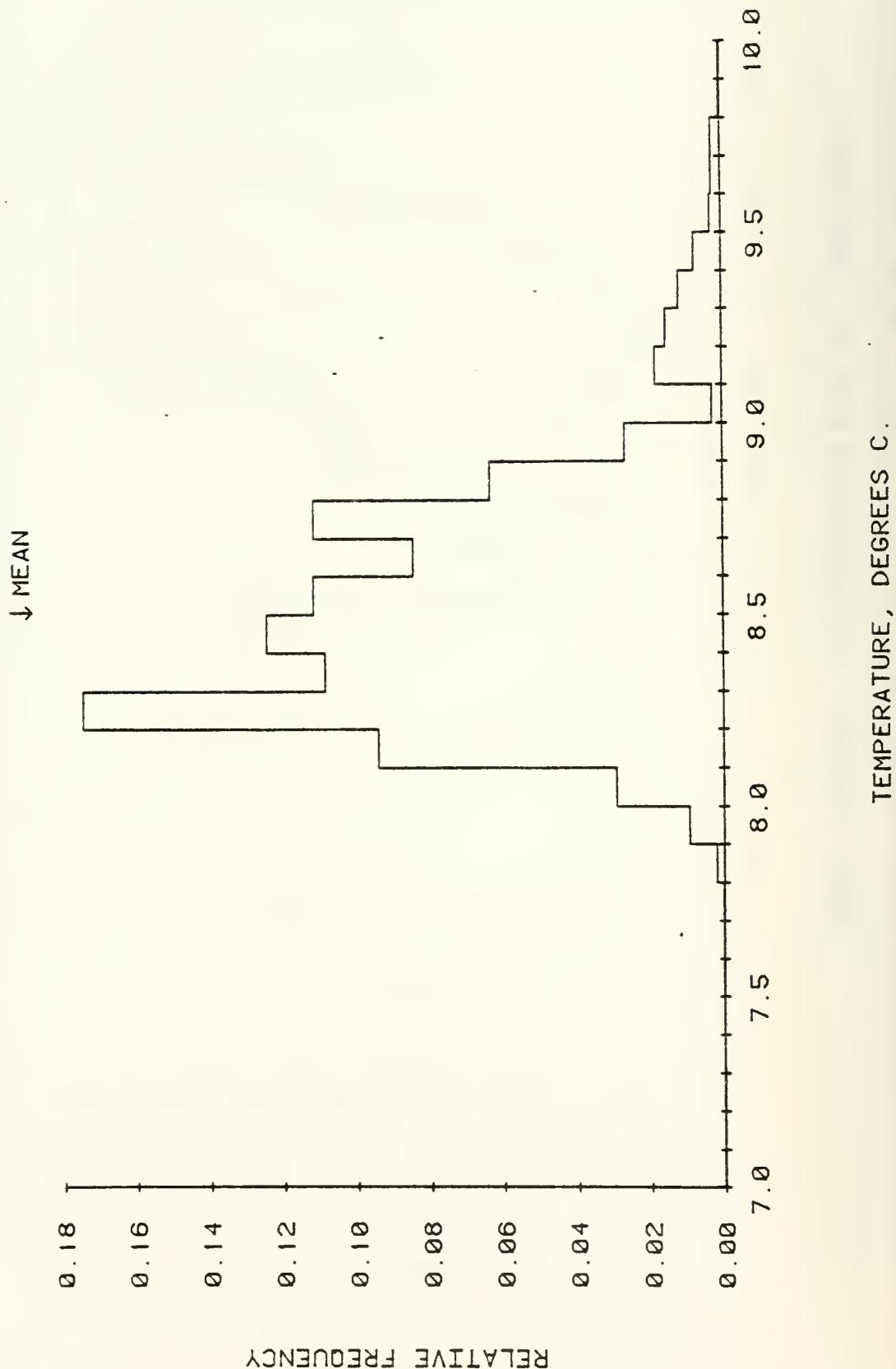
348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.



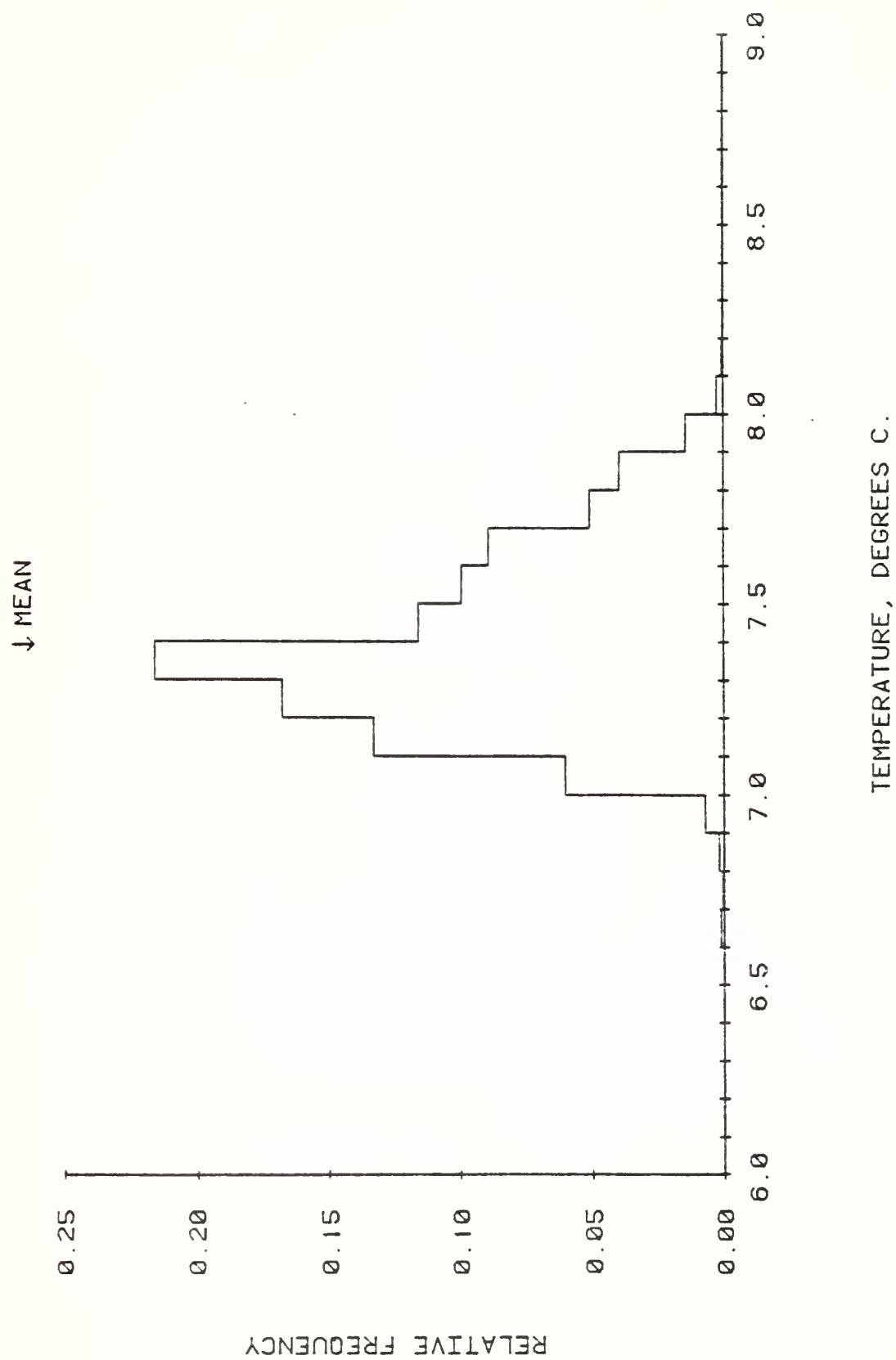
152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



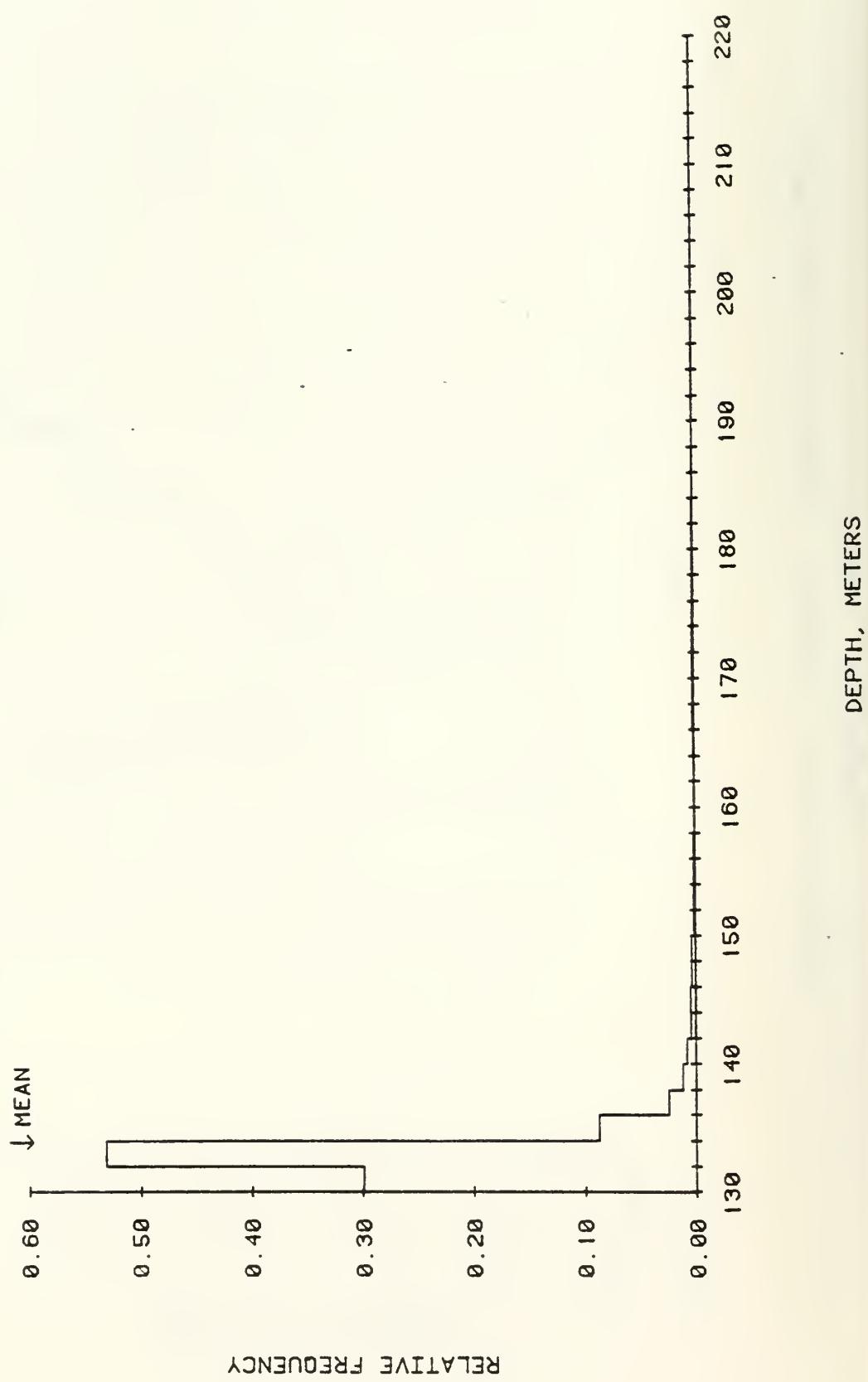
223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.



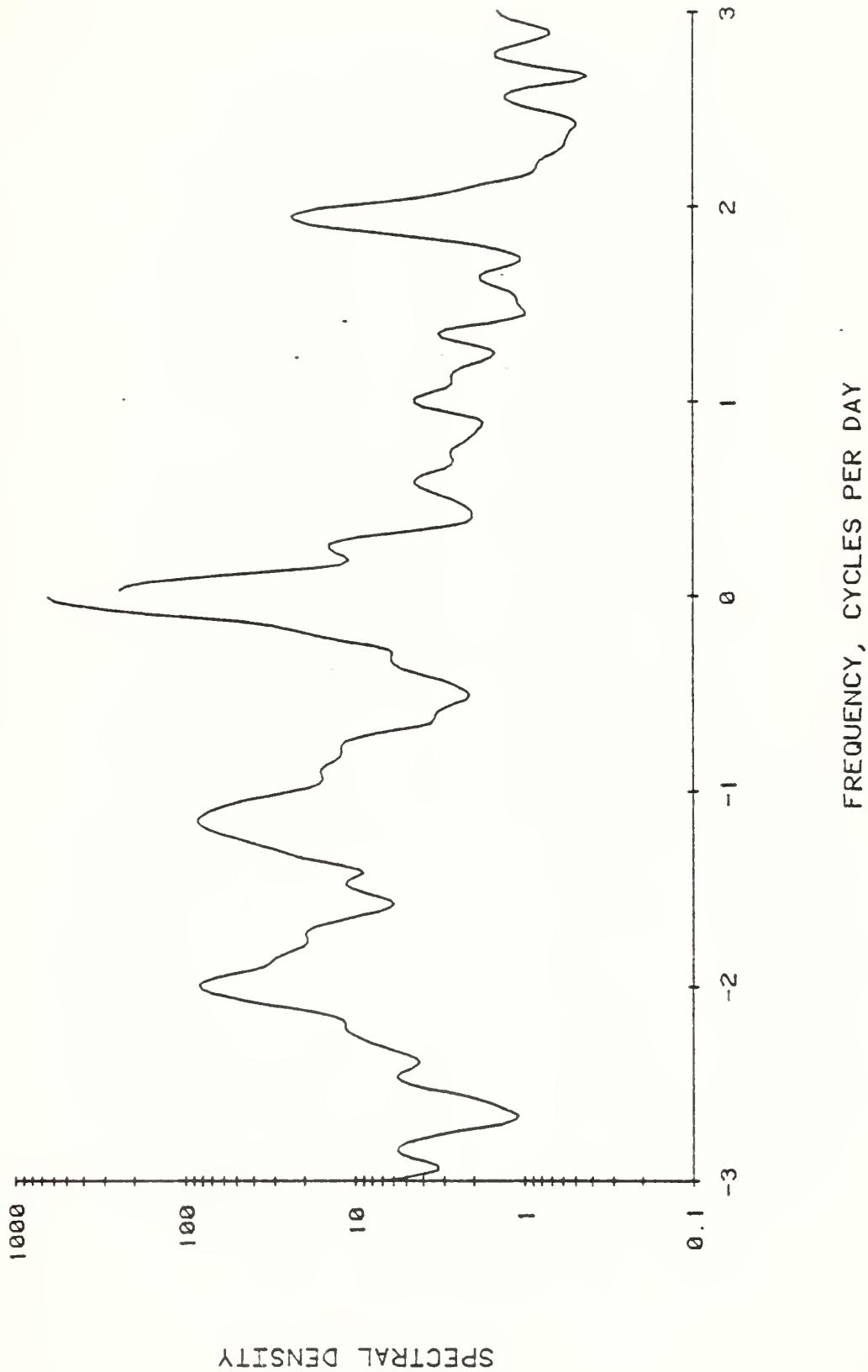
348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.



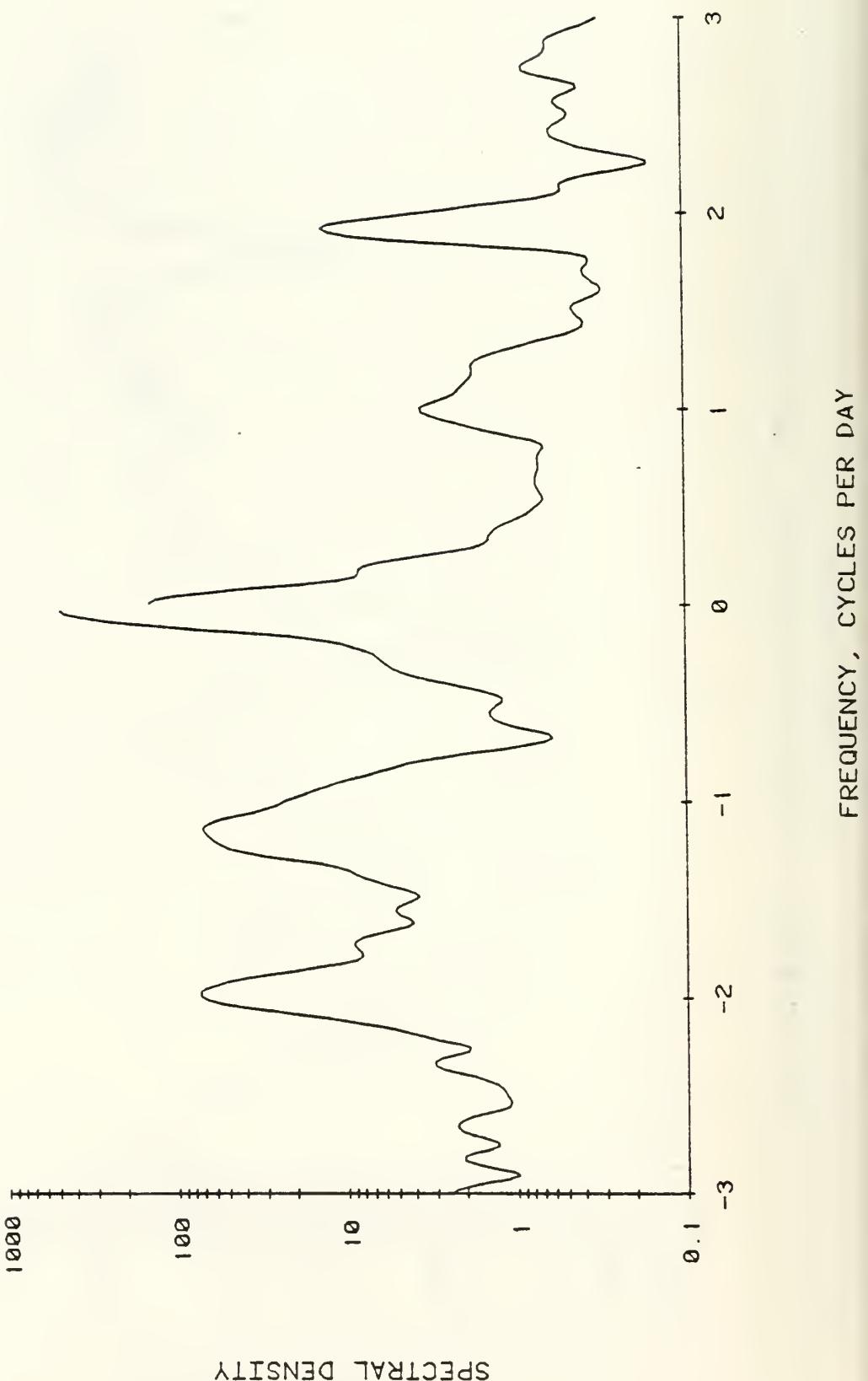
152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



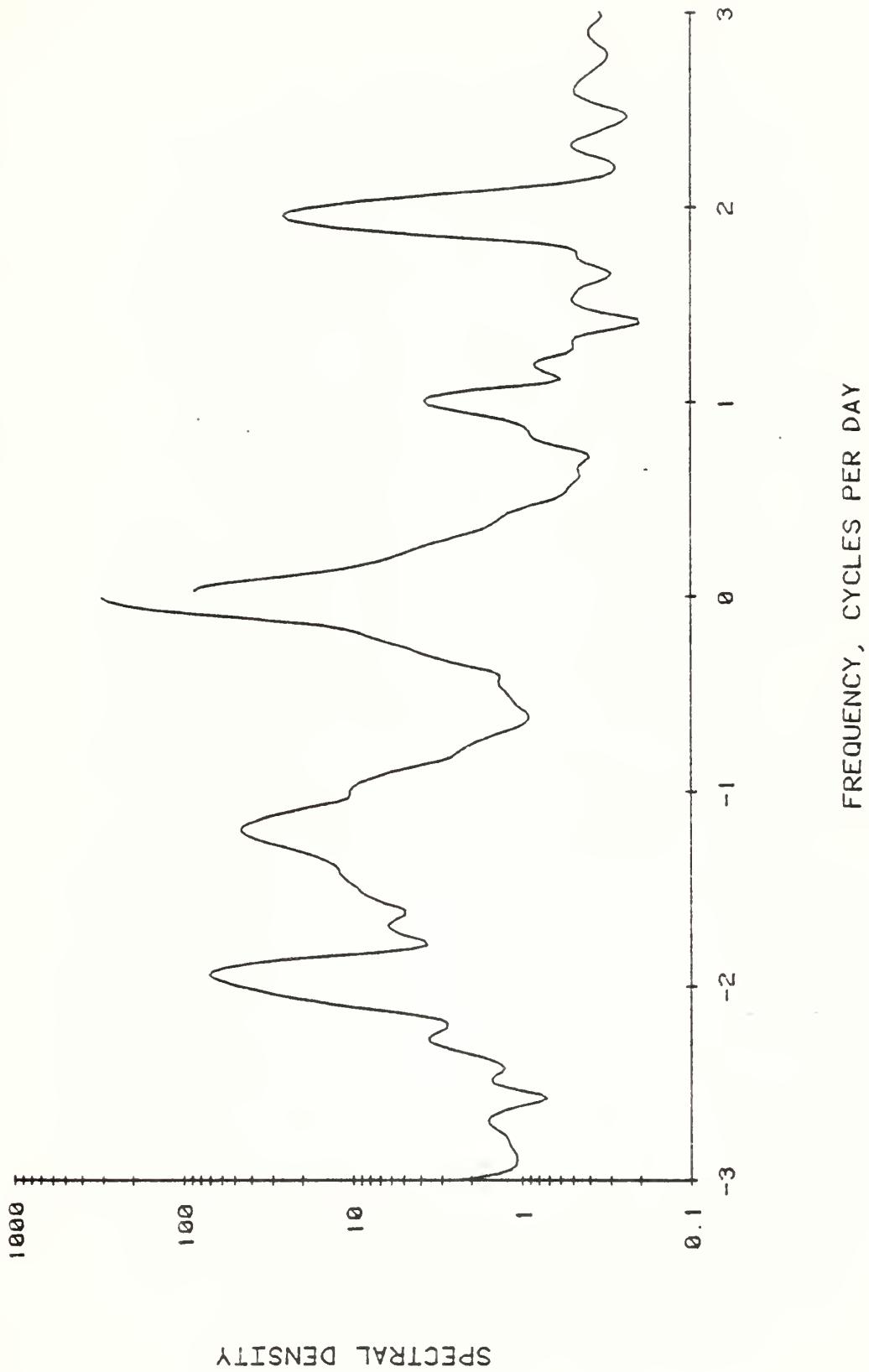
152 M AT STN 7. 9 JAN 79 - 2 MAR 79. TAPE 762/11.



223 M AT STN 7. 9 JAN 79 - 4 MAR 79. TAPE 842/8.



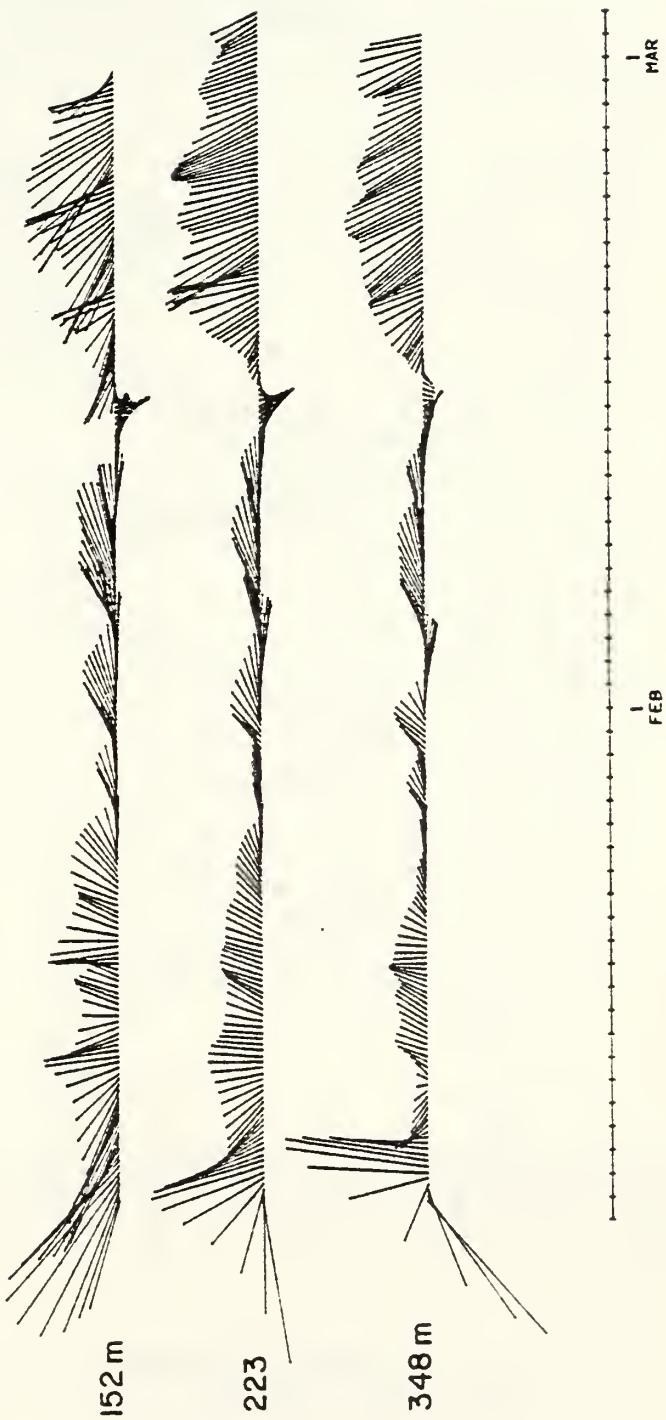
348 M AT STN 7. 9 JAN 79 - 3 MAR 79. TAPE 1495/3.

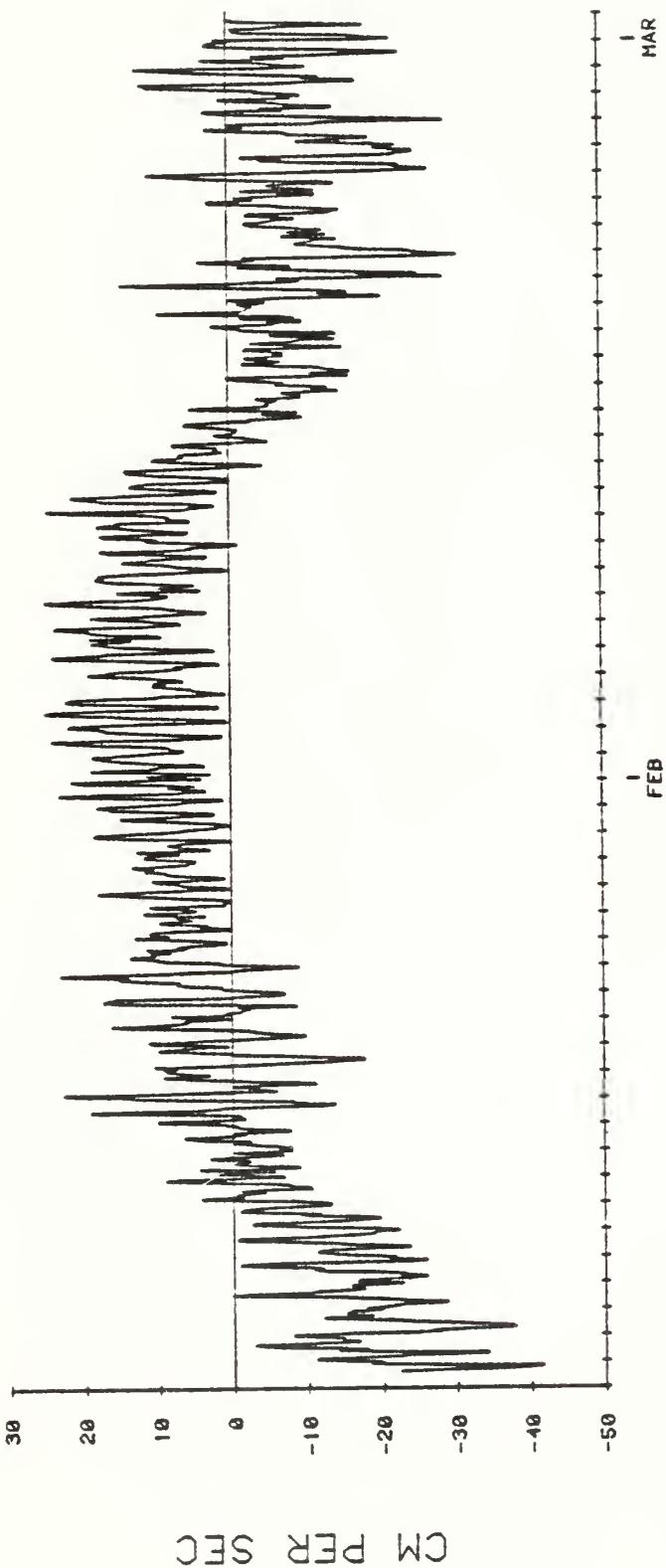


LLP FILTERED CURRENT AT STATION 7. JANUARY - MARCH 1979.

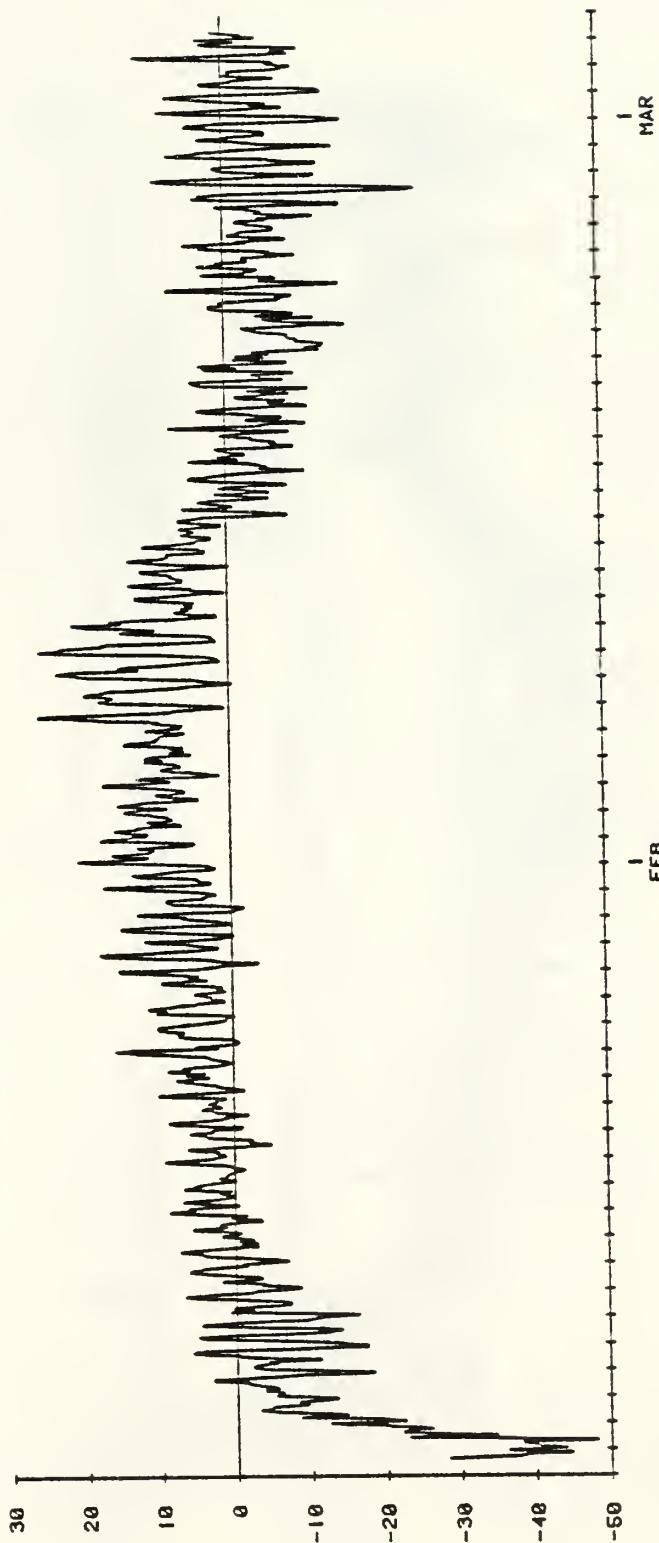
20 cm/sec

N



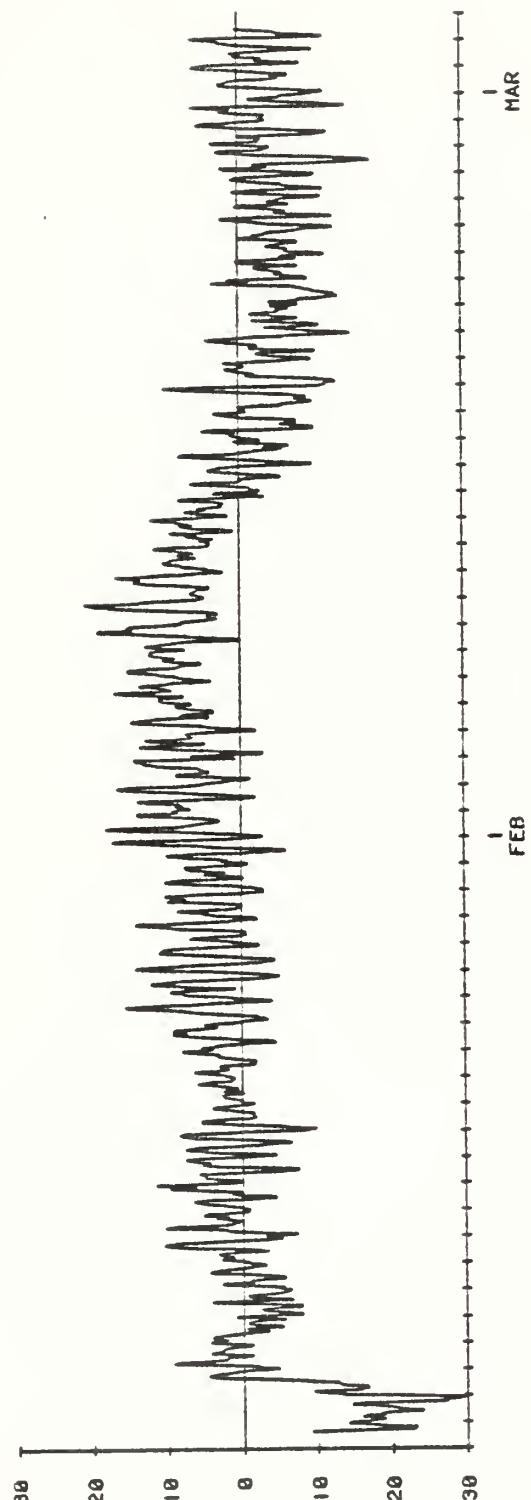


U COMPONENT . 152 M AT STN 7 .



CM PER SEC

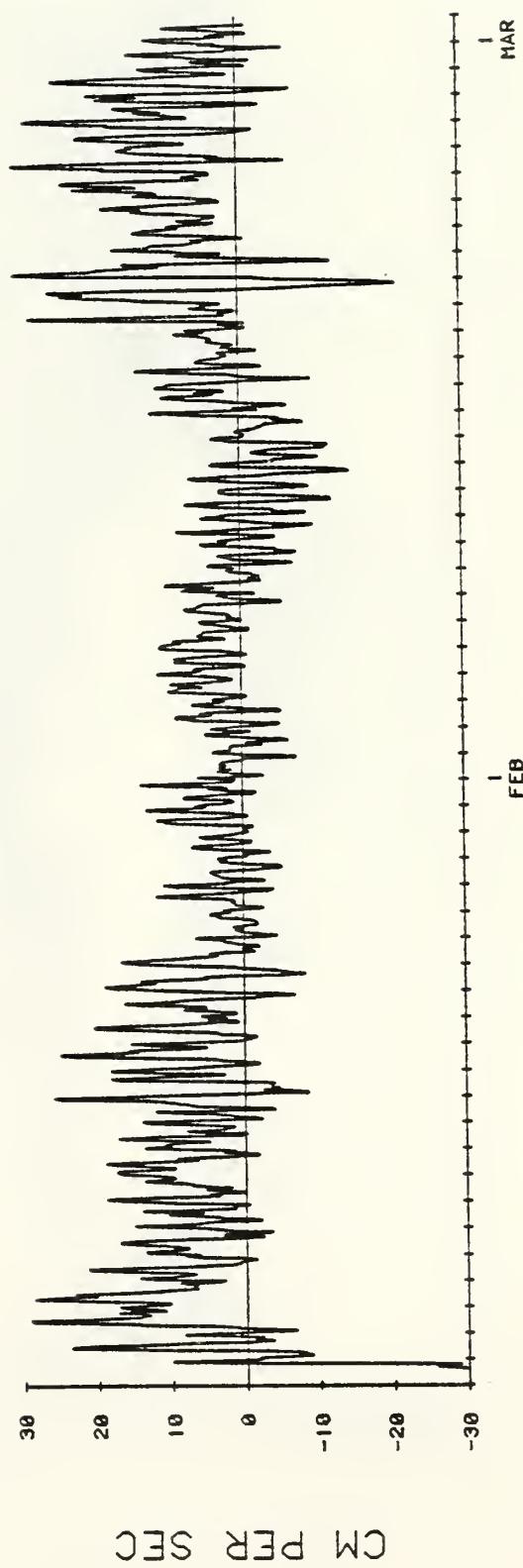
U COMPONENT. 223 M AT STN 7.

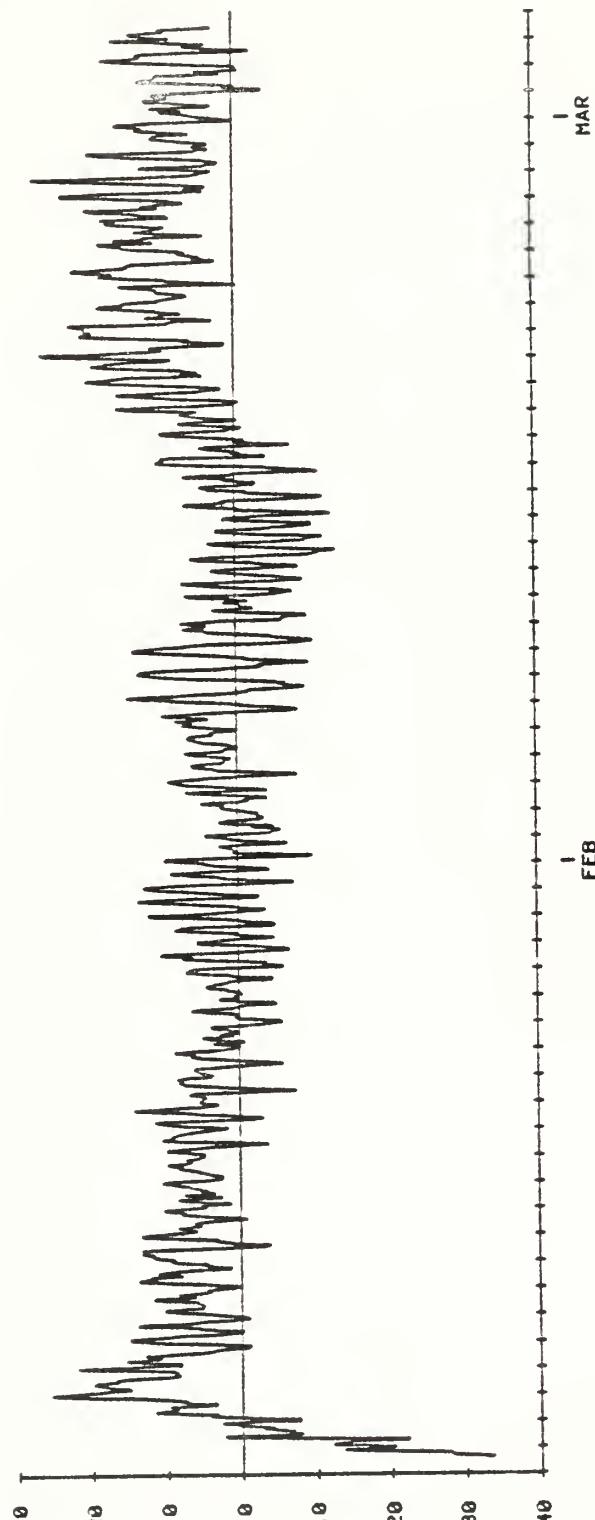


CM PER SEC

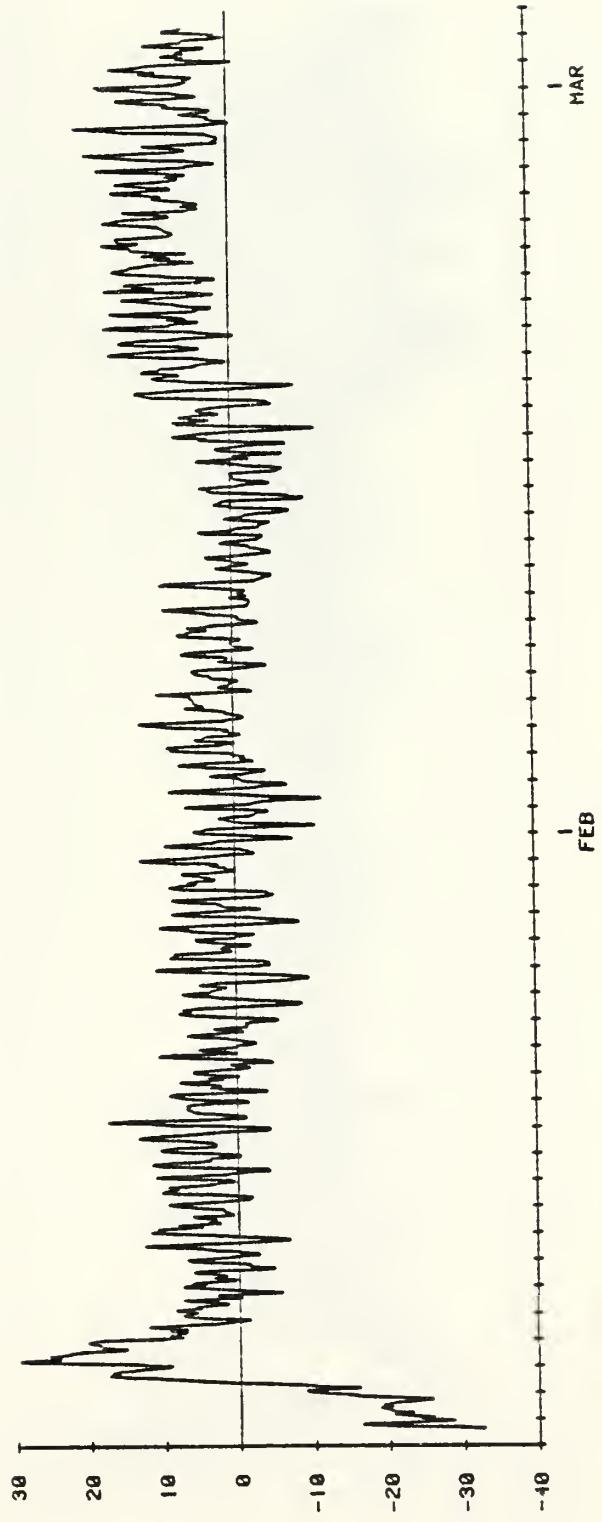
U COMPONENT. 348 M AT STN 7.

V COMPONENT . 152 M AT STN 7.

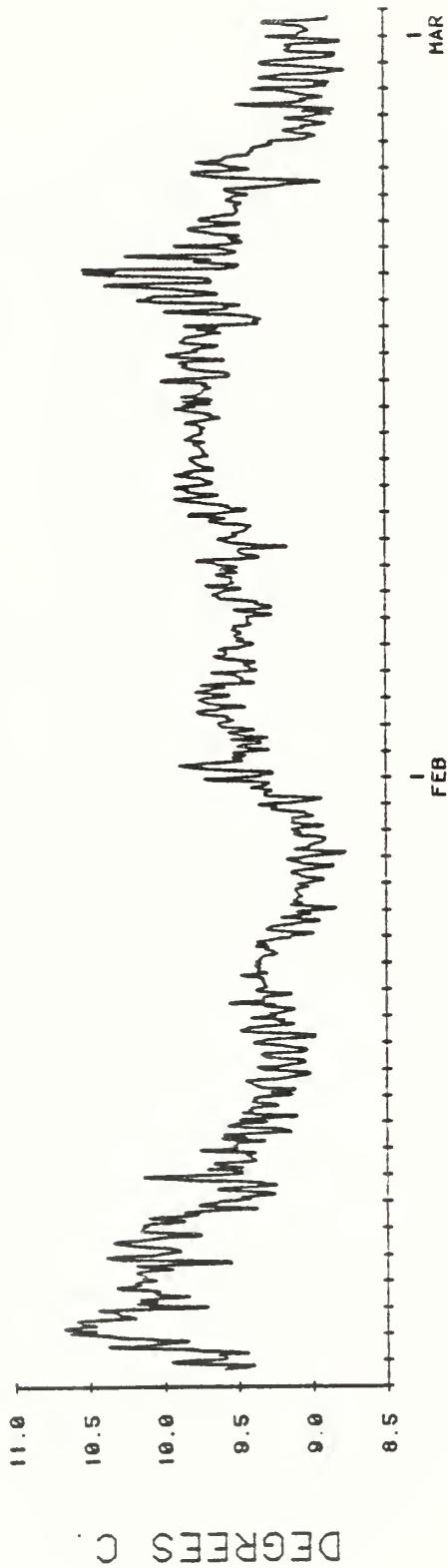




V COMPONENT. 223 M AT STN 7.

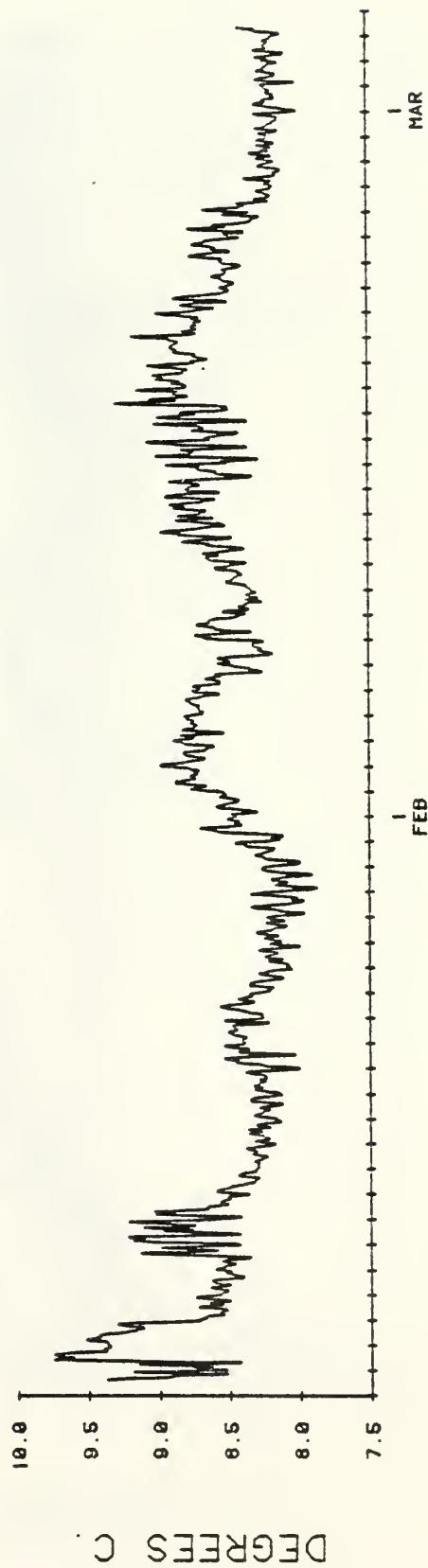


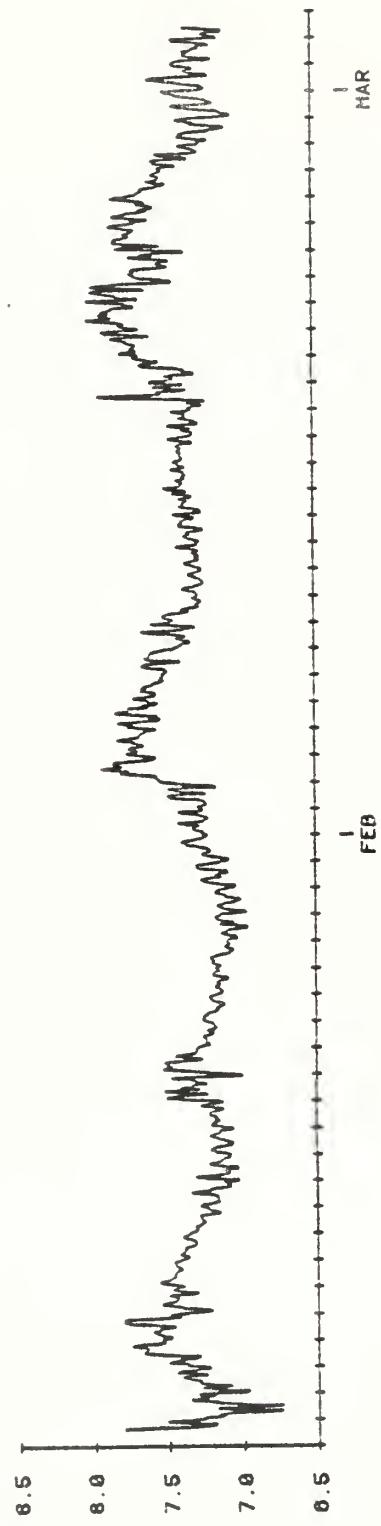
V COMPONENT . 348 M AT STN 7 .



TEMPERATURE . 152 M AT STN 7 .

TEMPERATURE . 223 M AT STN 7





DEGREES C

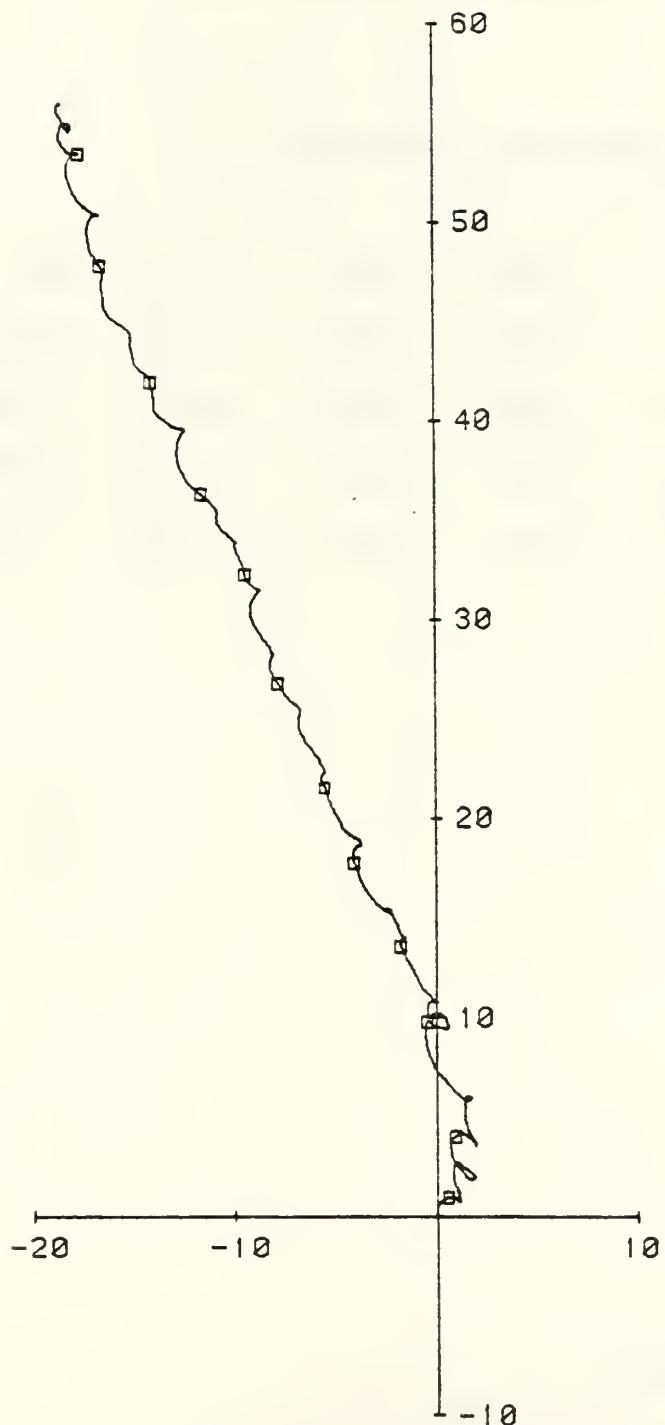
DEPTH (FROM PRESSURE) OF RCM 762 AT STN 7



STATION 5 - 35°51.1'N, 121°40.4'W
24 APR 79 - 6 MAY 79

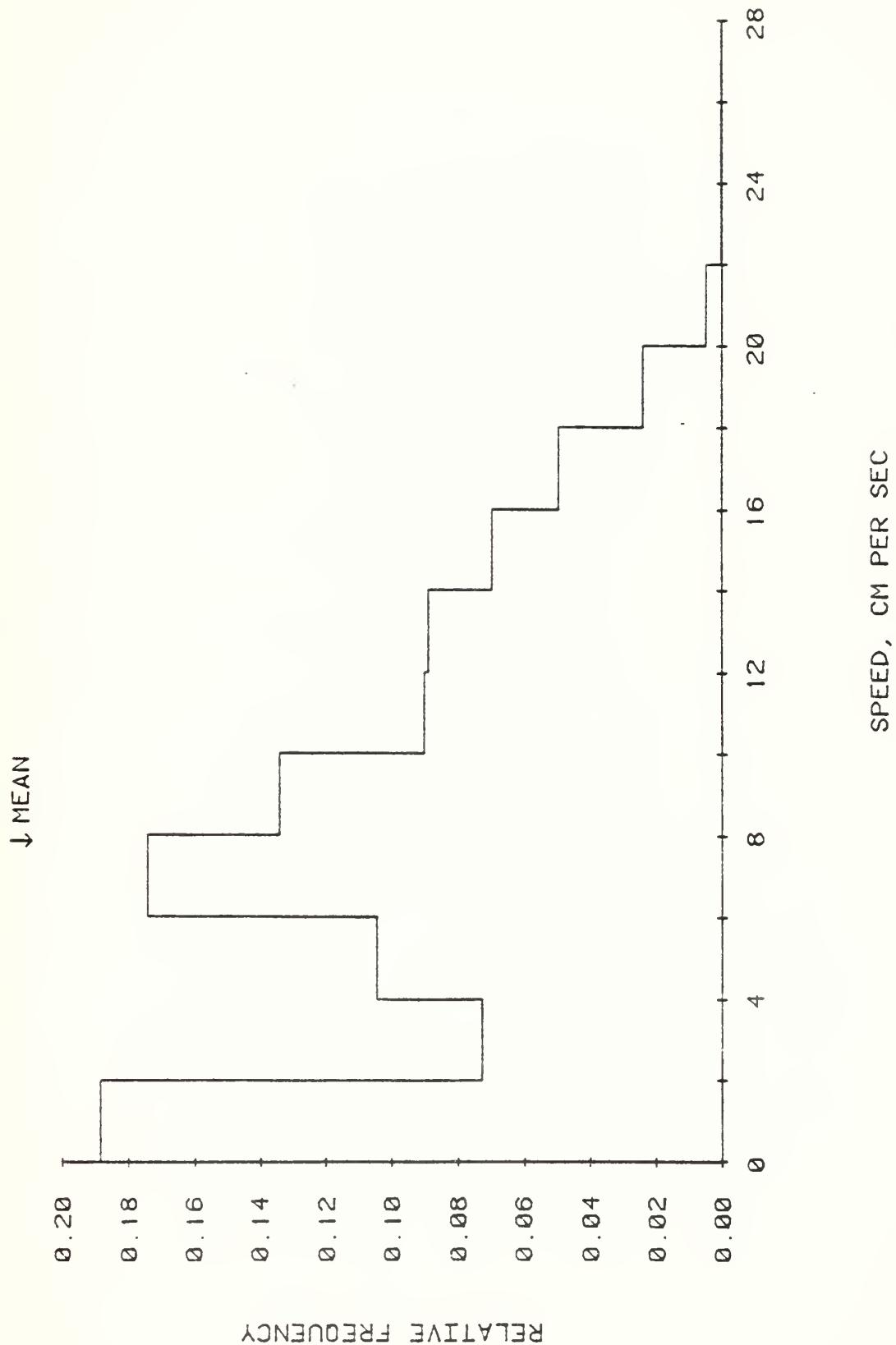
Record #12, Depth 512 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	7.85	5.16	0.29	2.18	0.80	21.70	1721
U(cm/s)	-1.80	4.94	0.06	3.22	-15.30	15.50	1721
V(cm/s)	5.42	5.59	0.10	2.47	-9.90	19.80	1721
T(°C)	5.97	0.16	-0.02	3.19	5.54	6.52	1646

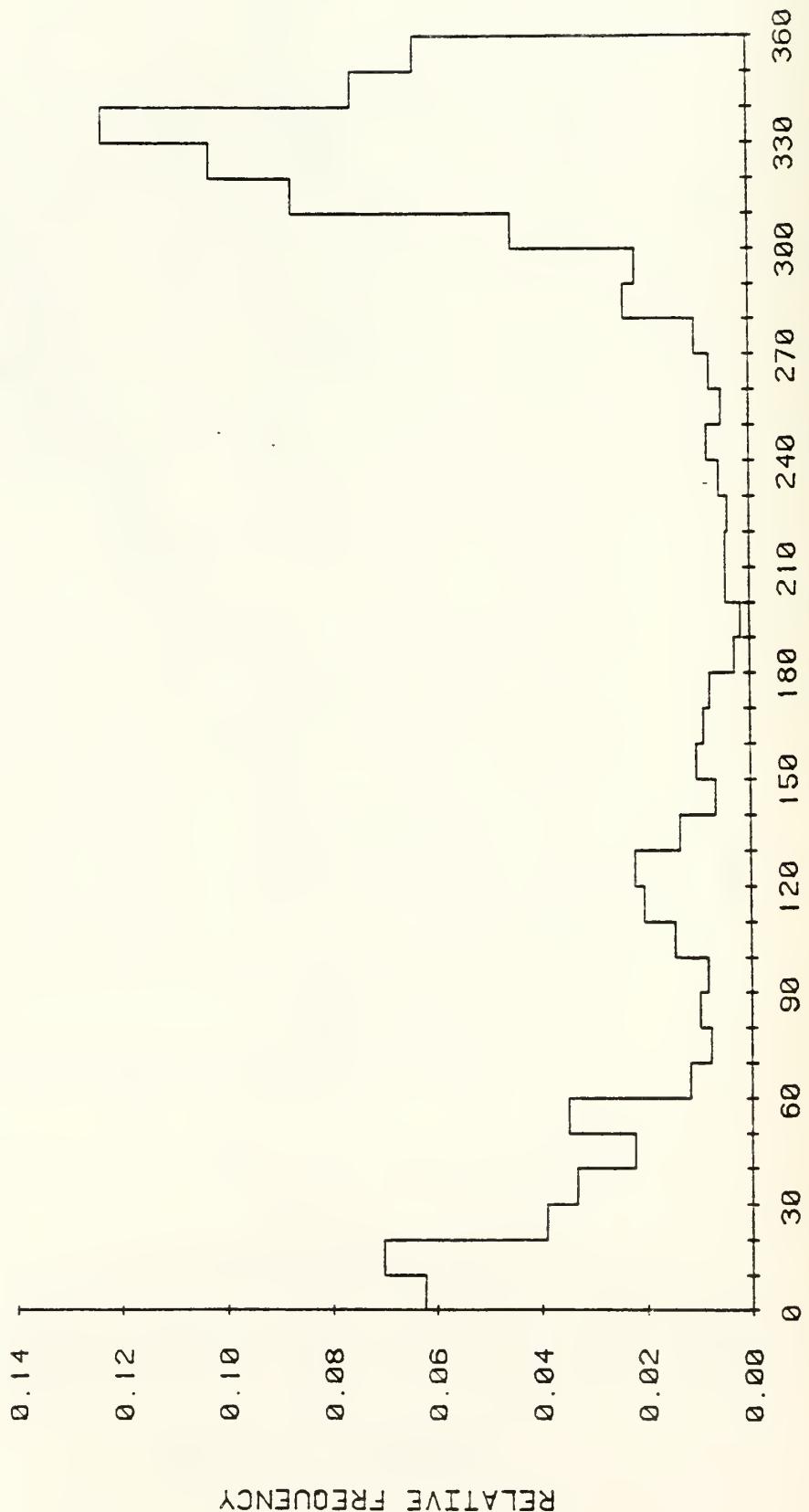


512 M AT STN 5. 24 APR 79 - 6 MAY 79. TAPE 1759/3.

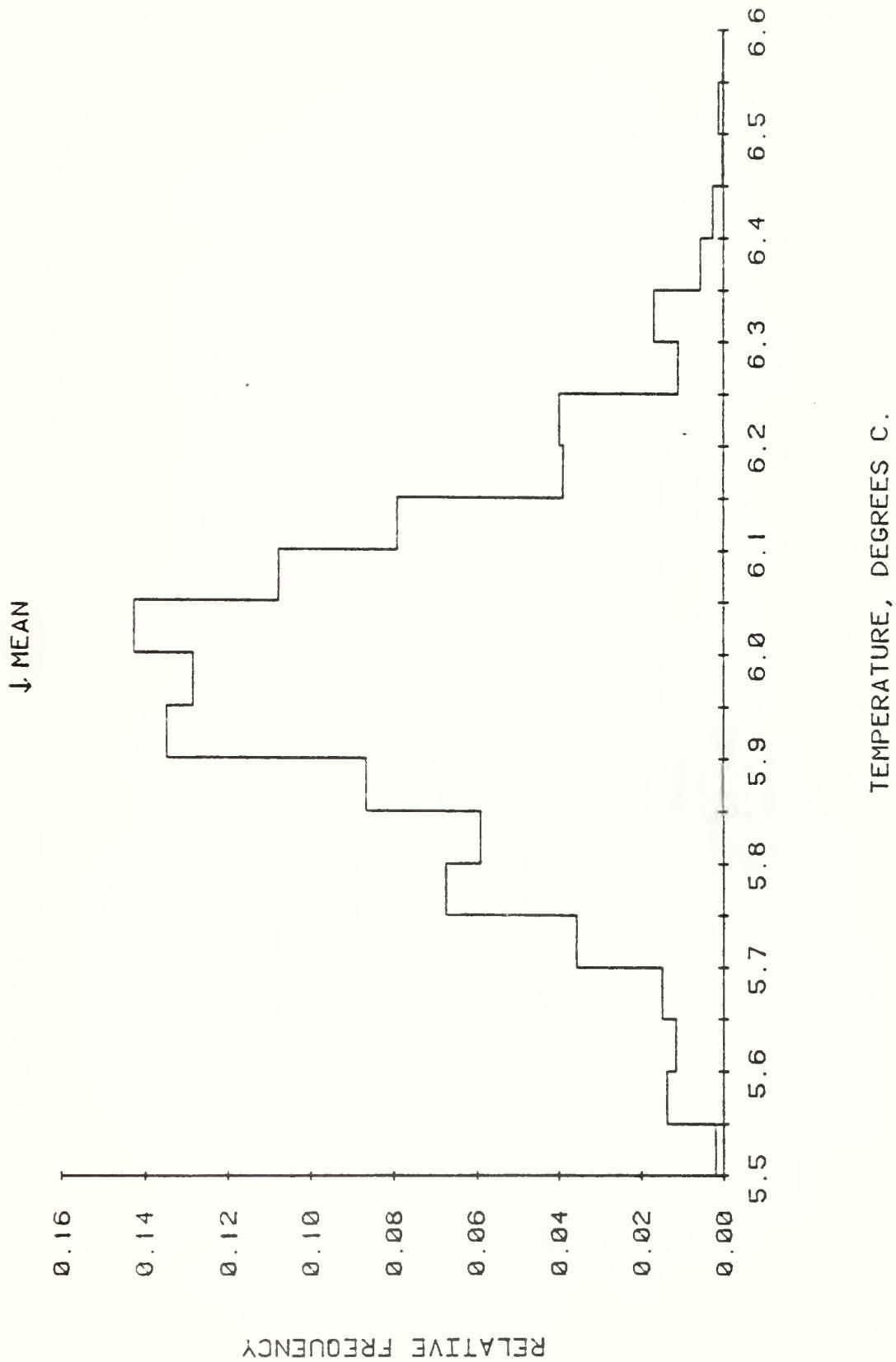
512 M AT STN 5. 24 APR 79. - 6 MAY 79. TAPE 1759/3.



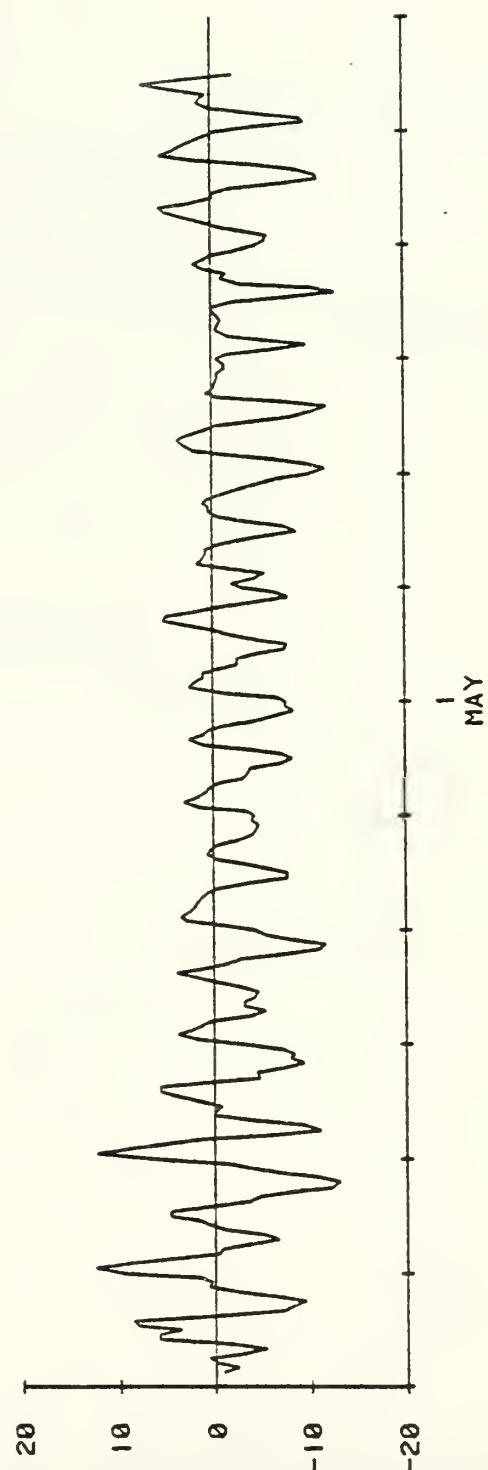
512 M AT STN 5. 24 APR 79 - 6 MAY 79. TAPE 1759/3.



512 M AT STN 5. 25 APR 79 - 6 MAY 79. TAPE 1759/3.

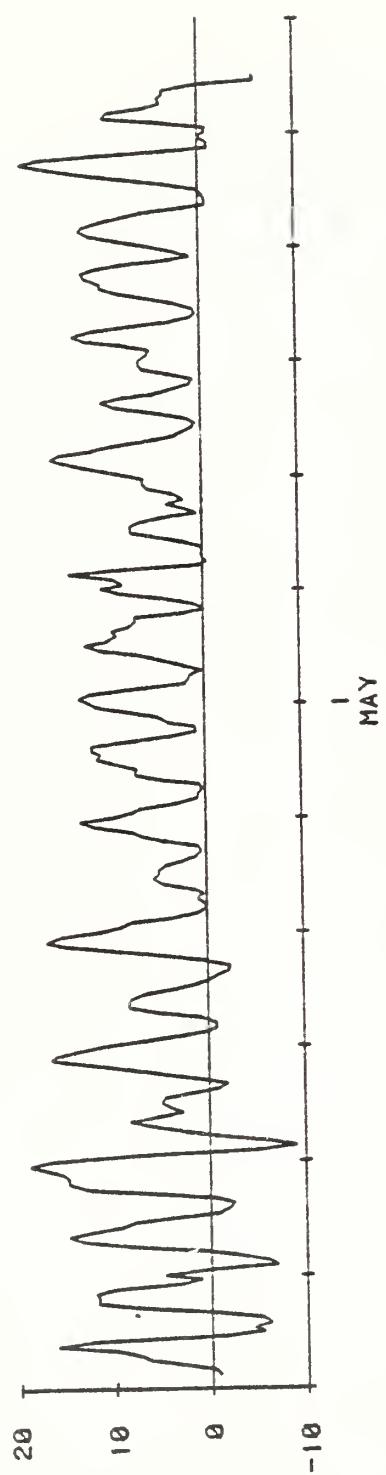


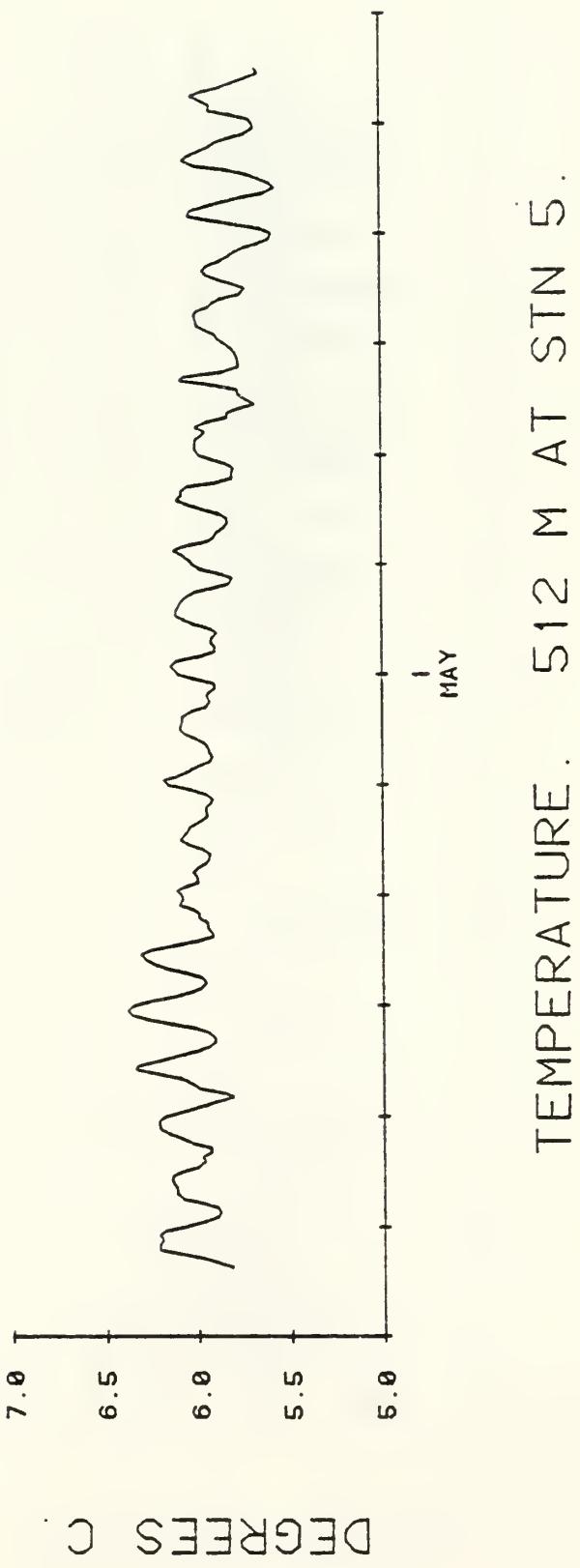
U COMPONENT . 512 M AT STN 5 .



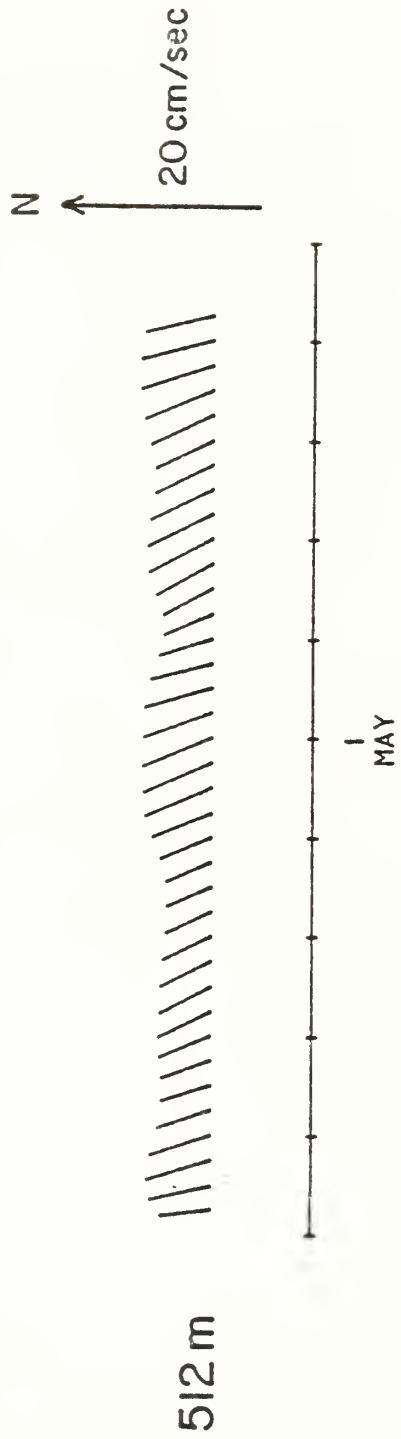
CM PER SEC

V COMPONENT . 512 M AT STN 5 .





LLP CURRENT AT STN 5. APRIL, MAY 79.



STATION 2 - 35° 52.3'N, 121° 33.7'W
 24 APR 79 - 16 JUN 79

Record #13, Depth 169 m

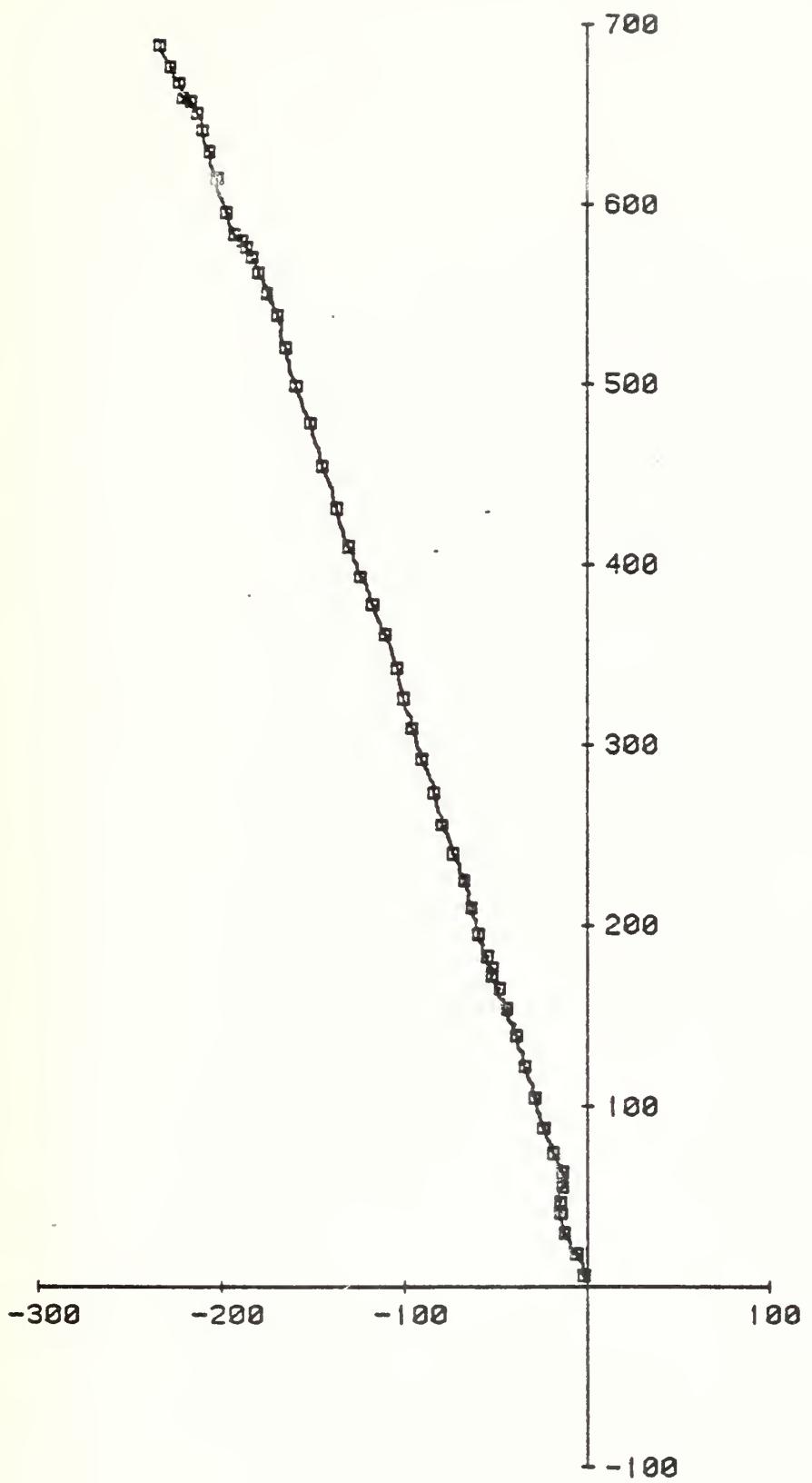
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	17.78	8.07	0.80	2.38	0.80	40.40	7563
U(cm/s)	-5.17	6.88	0.05	2.75	-29.20	19.40	7563
V(cm/s)	15.16	8.80	-0.06	2.50	-11.40	39.00	7563
T(°C)	8.55	0.38	0.12	2.35	7.62	9.71	7563

Record #14, Depth 241 m

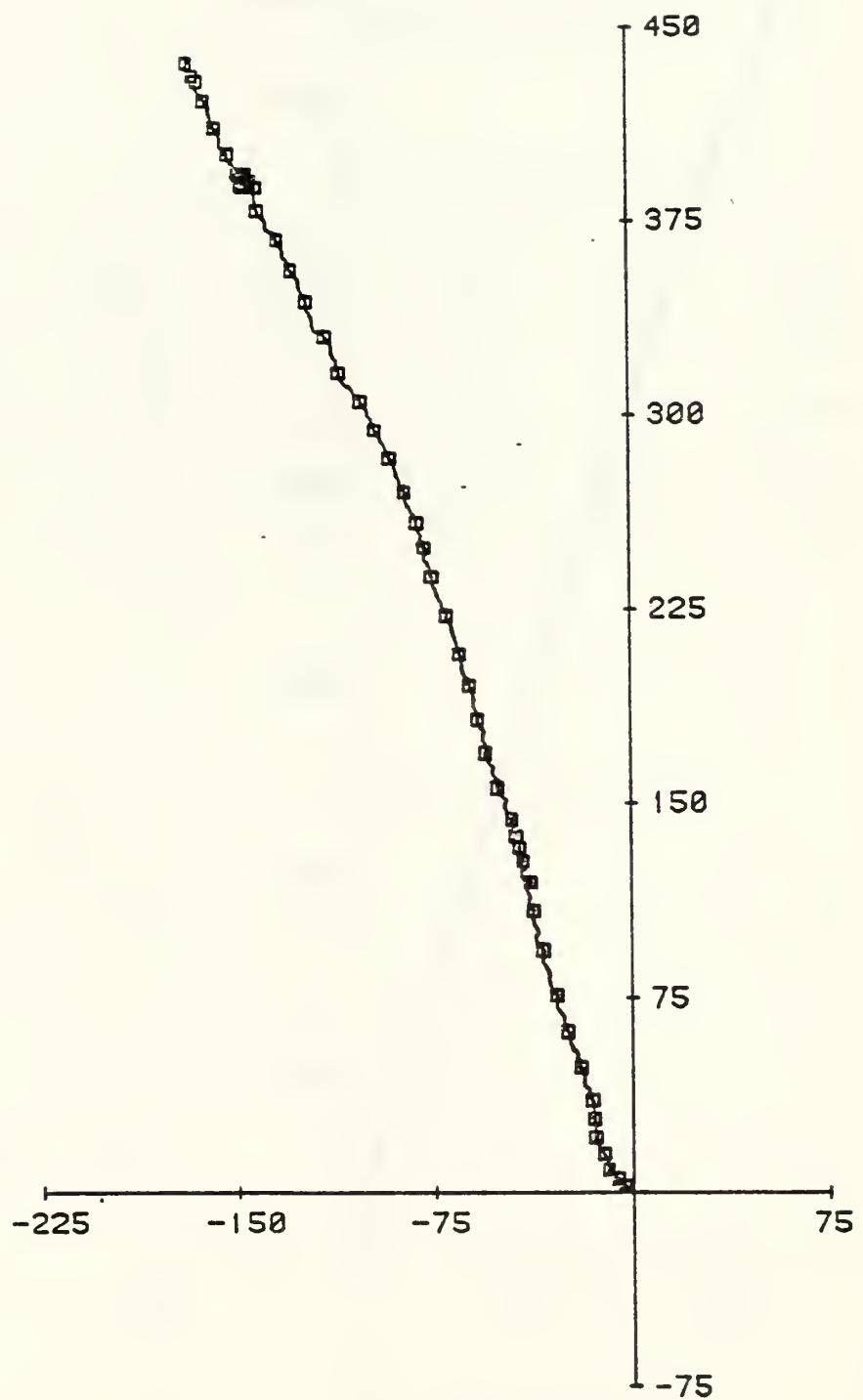
S(cm/s)	13.76	7.03	0.31	2.51	0.80	35.70	7140
U(cm/s)	-3.89	6.92	-0.07	2.77	-25.50	17.80	7140
V(cm/s)	10.21	8.46	-0.17	2.61	-14.50	34.50	7140
T(°C)	7.99	0.36	-0.12	2.26	7.00	8.95	7140
Z(meters)	249.33	0.60	1.09	3.80	248.50	252.10	7140

Record #15, Depth 364 m

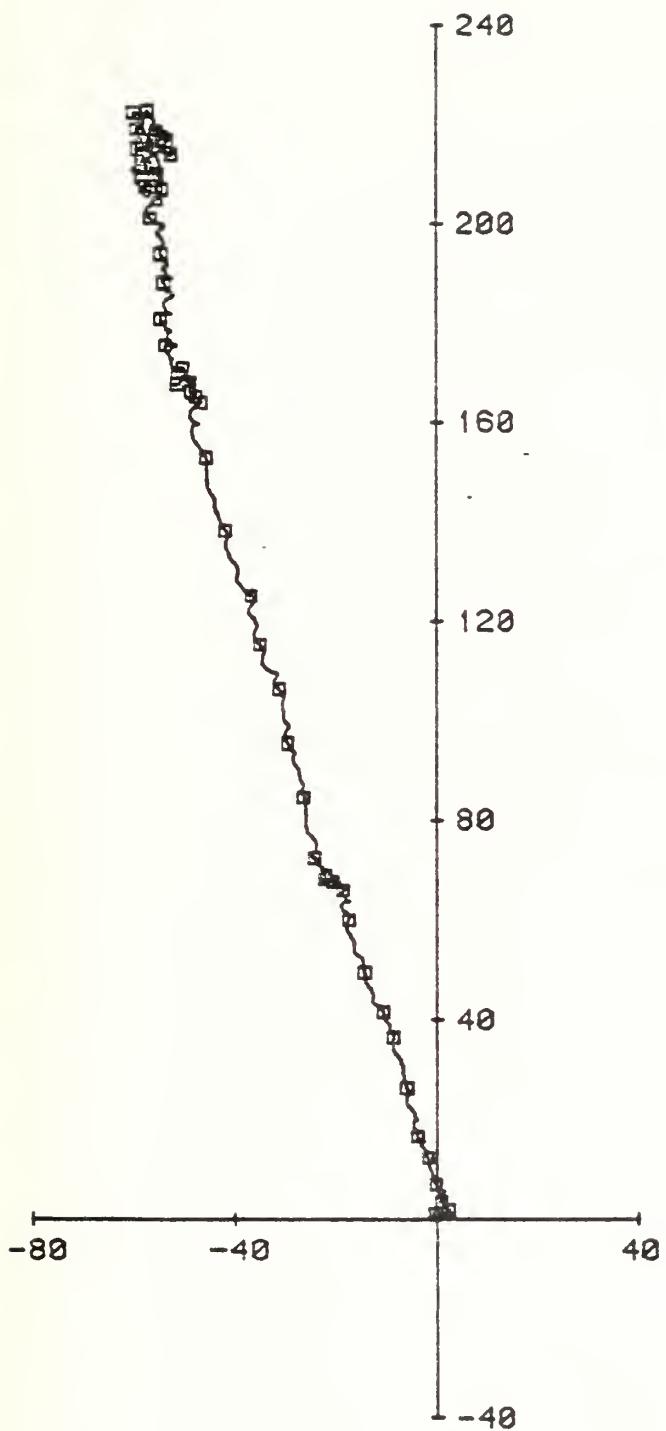
S(cm/s)	11.35	5.30	0.32	2.83	0.80	31.20	767
U(cm/s)	-1.17	8.14	0.13	2.81	-28.30	27.80	767
V(cm/s)	4.71	8.20	-0.19	2.54	-21.00	28.10	767
T(°C)	7.03	0.28	0.26	2.50	6.34	7.99	767



169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.

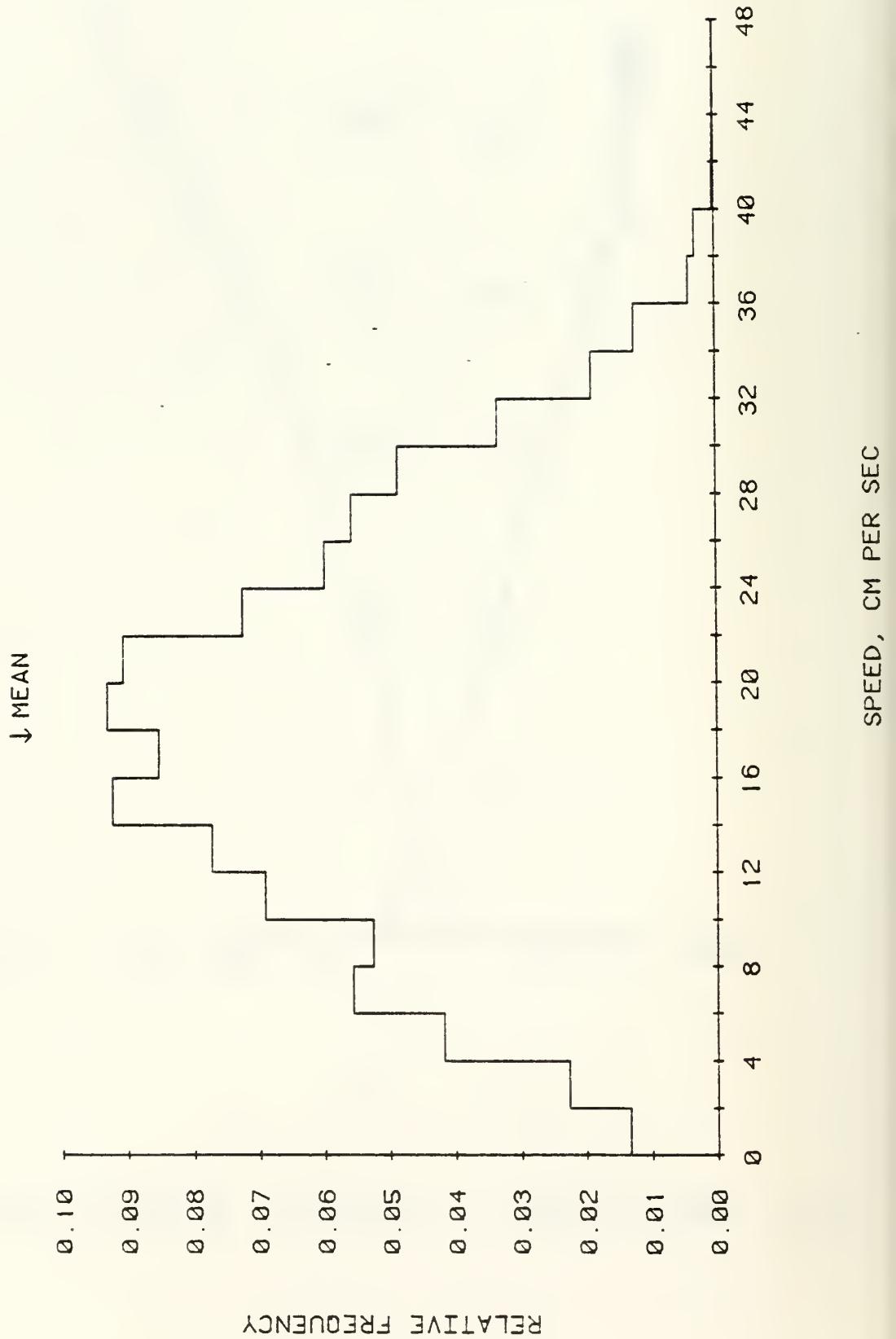


241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.

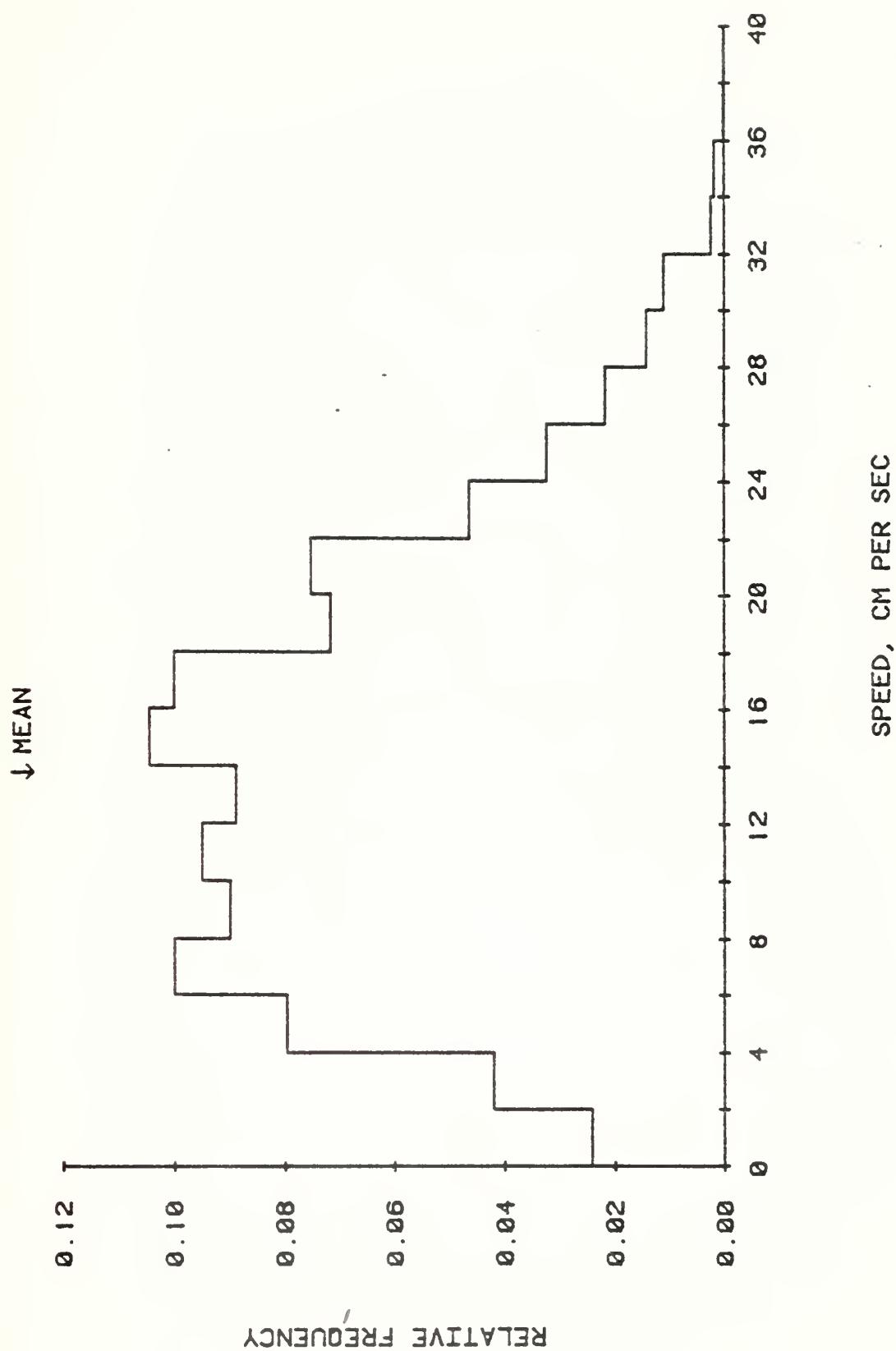


364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.

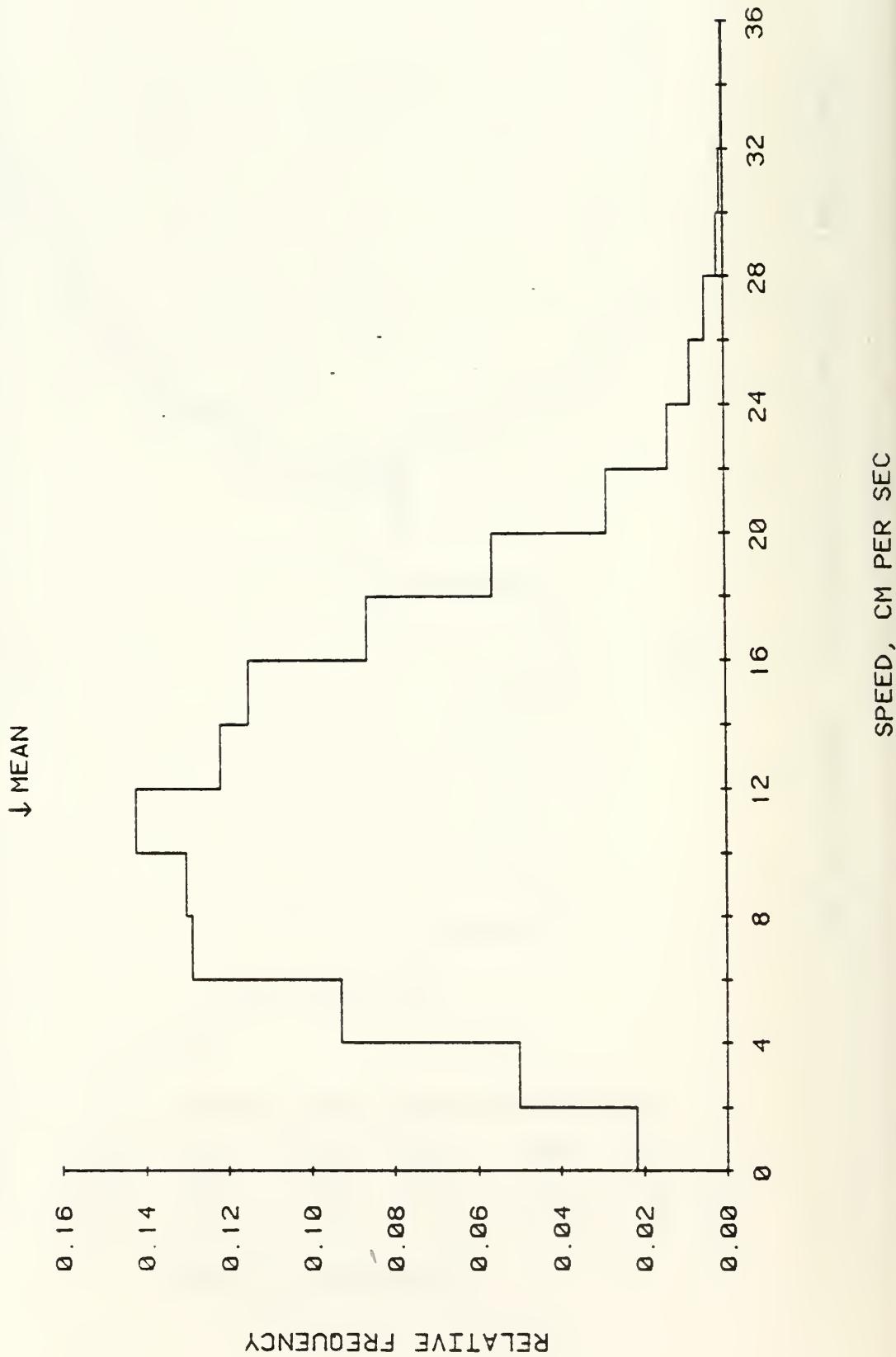
169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



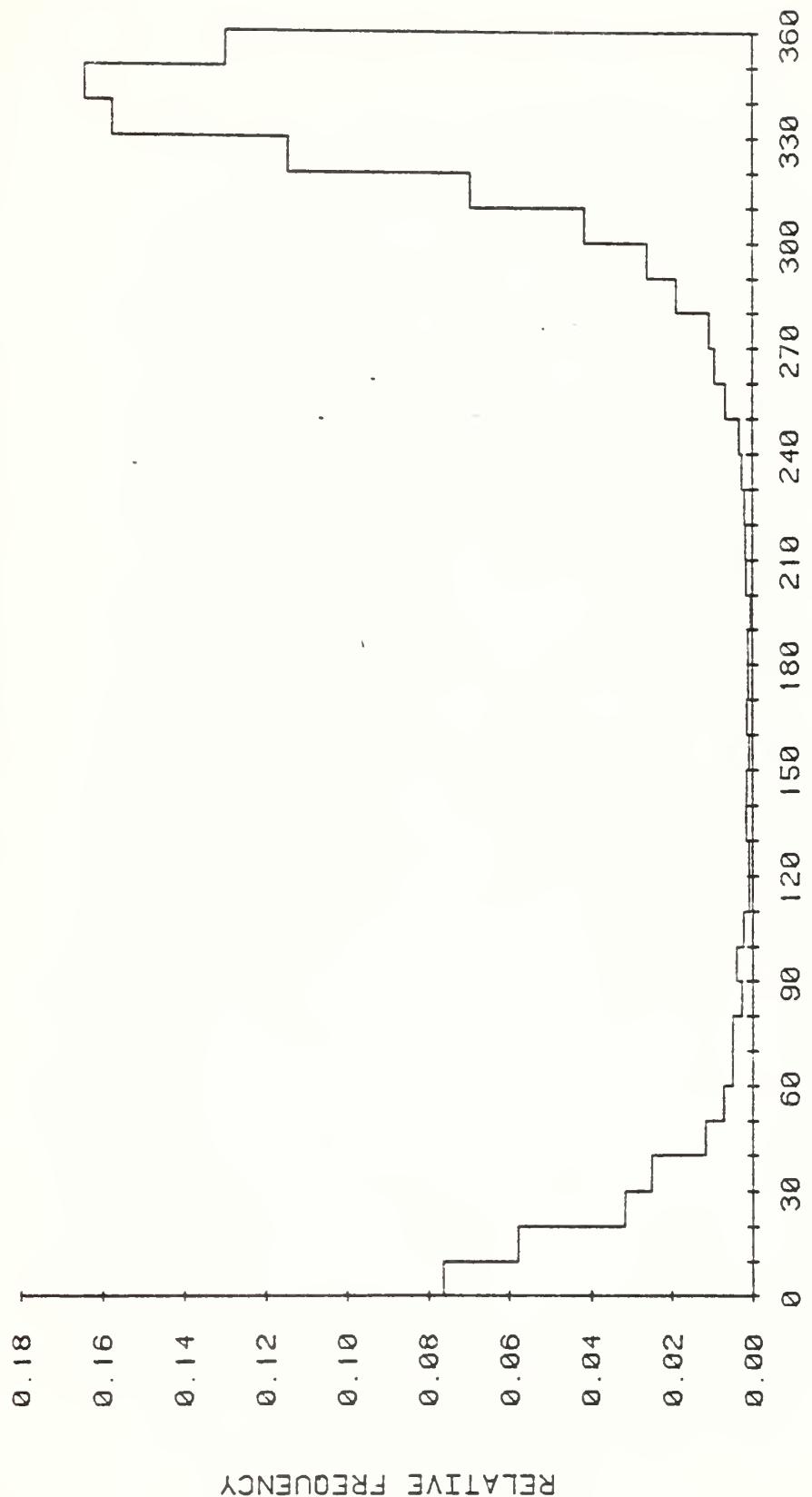
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.

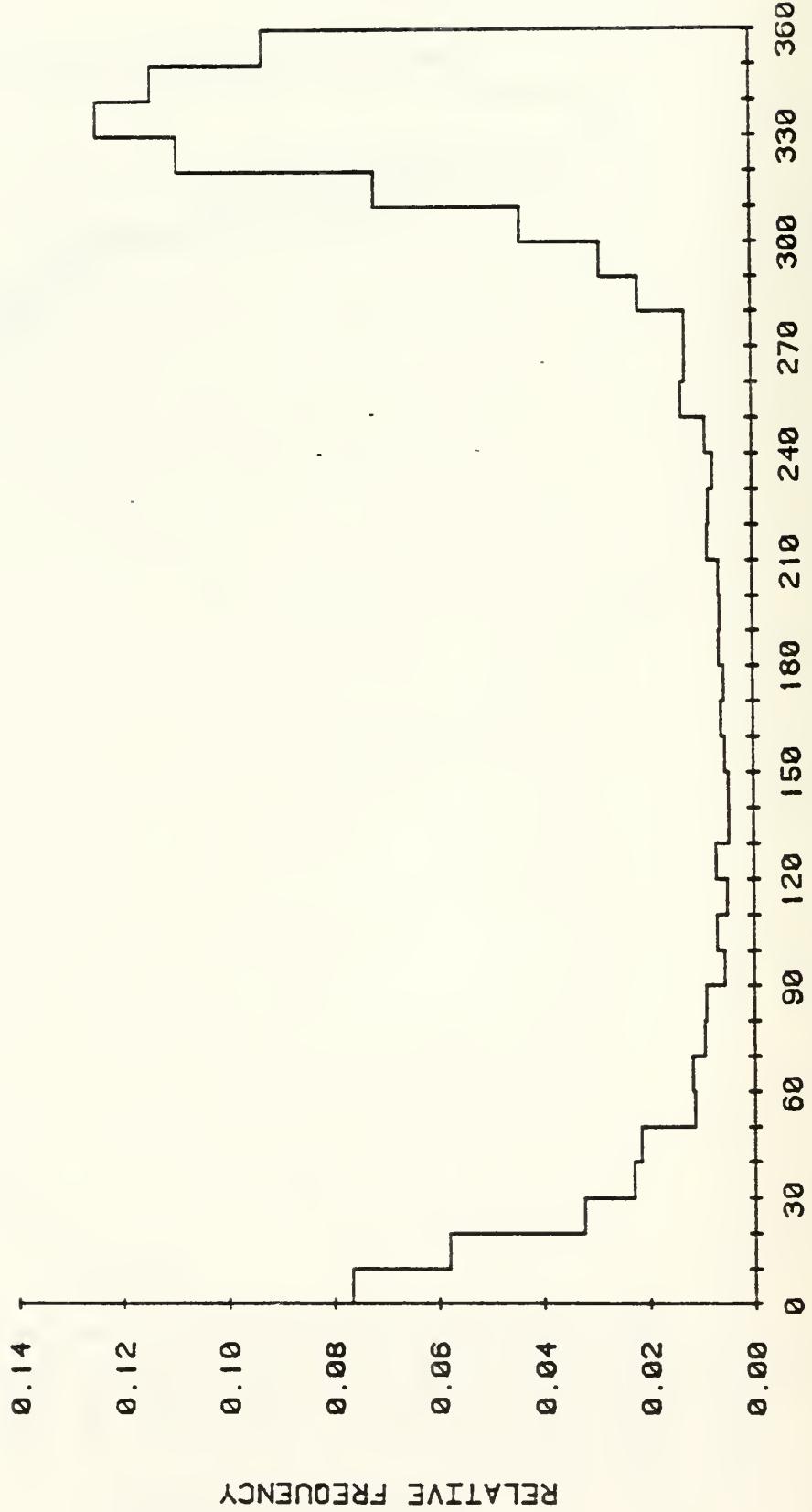


169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.

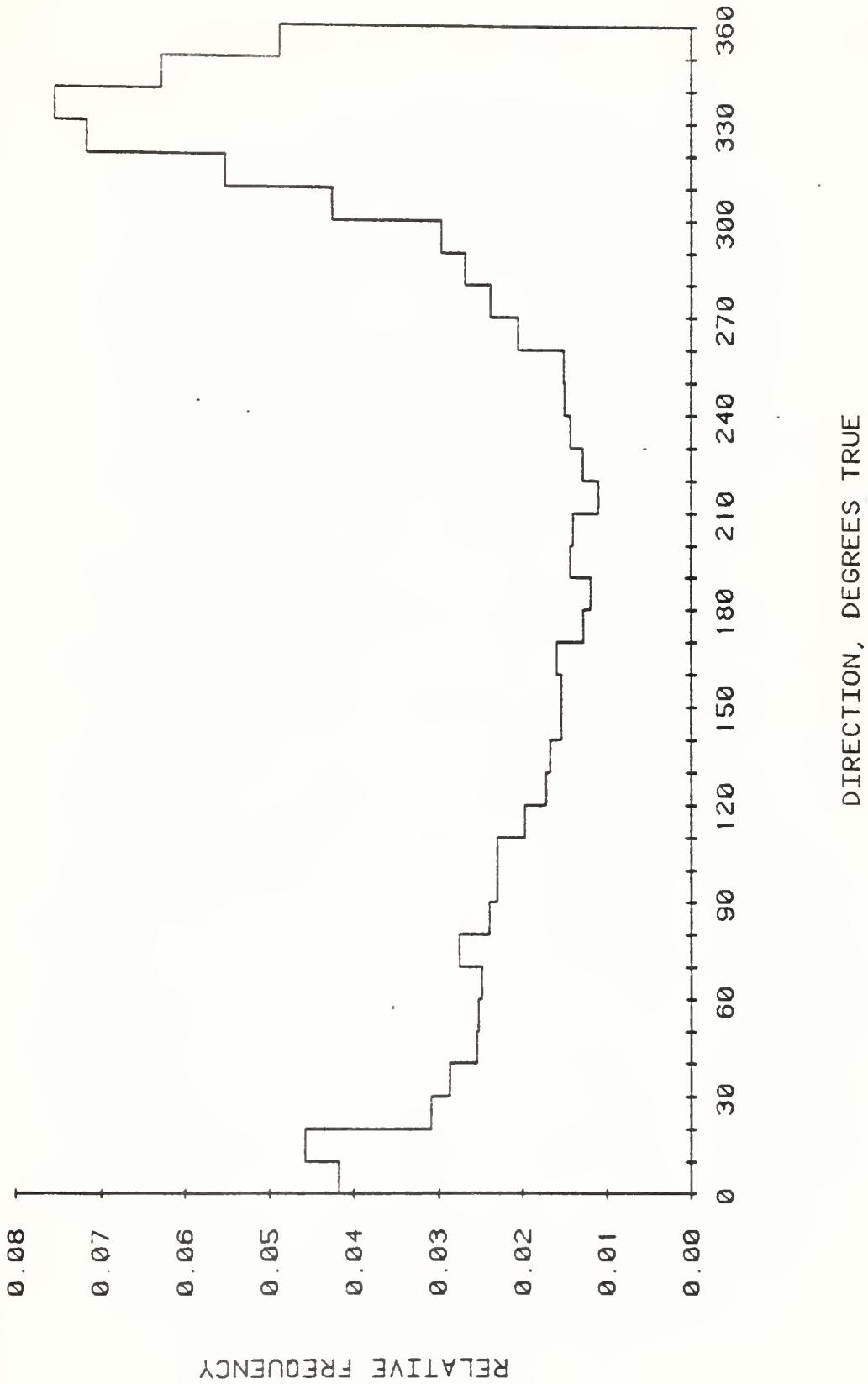


DIRECTION, DEGREES TRUE

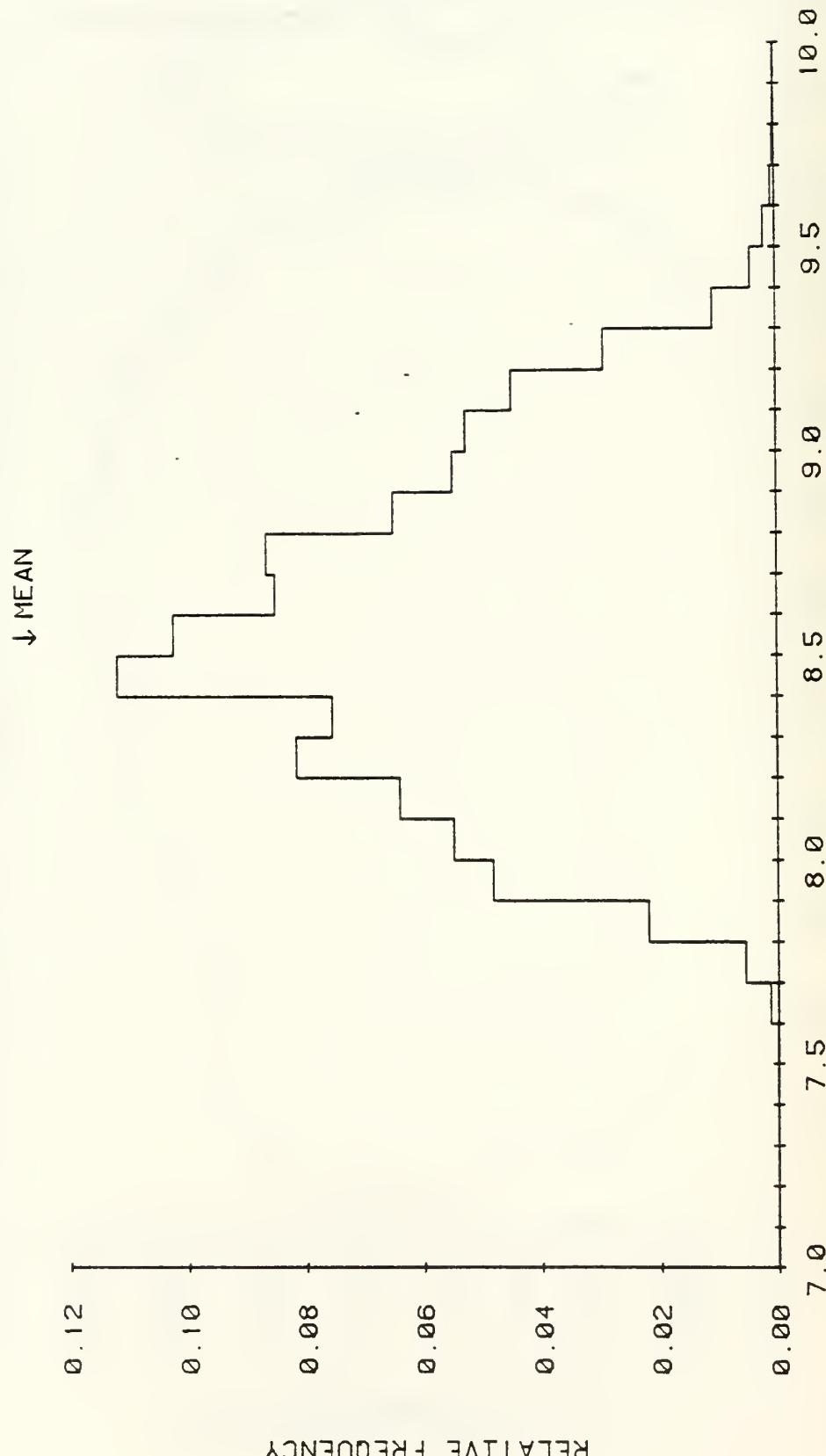
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.

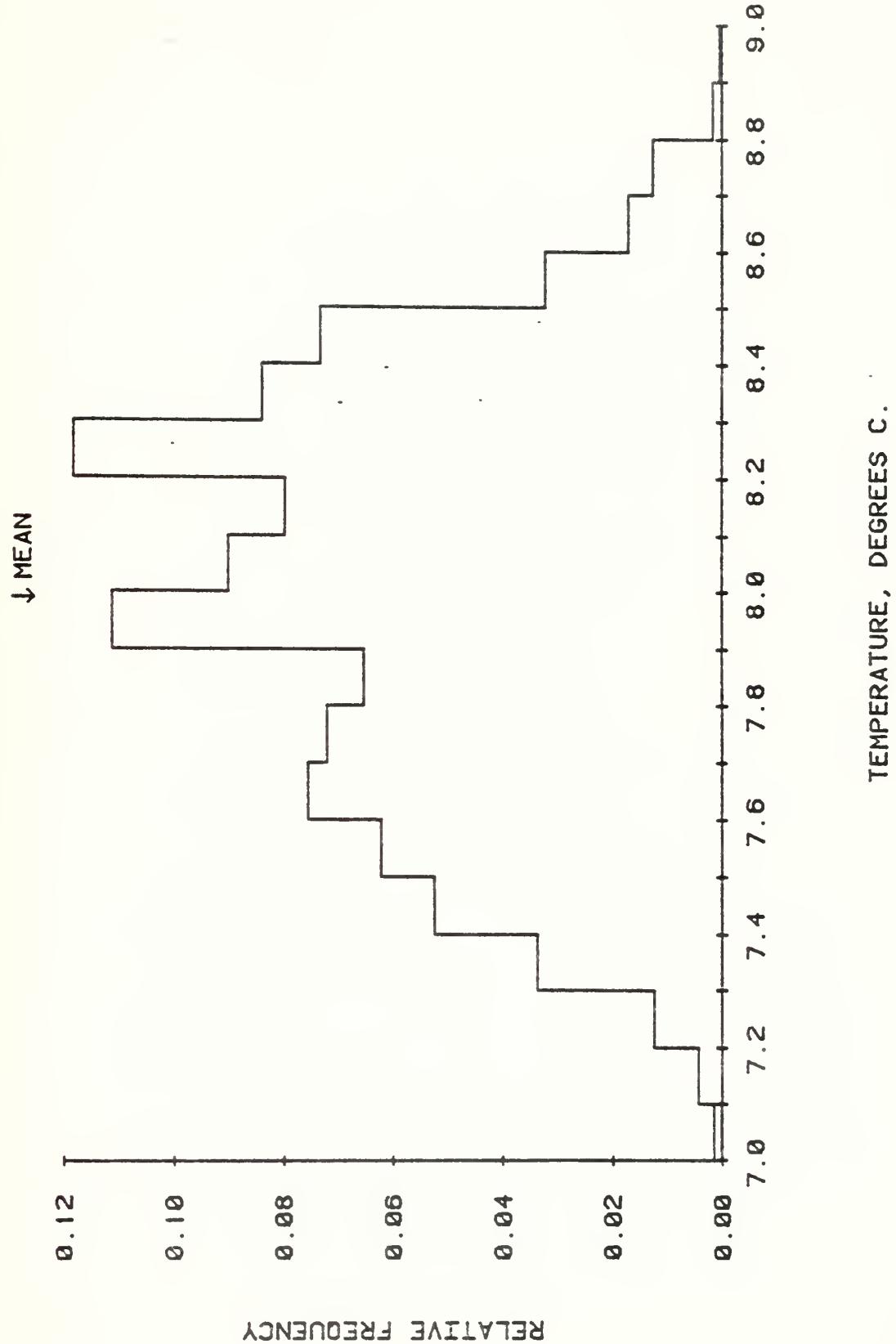


169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.

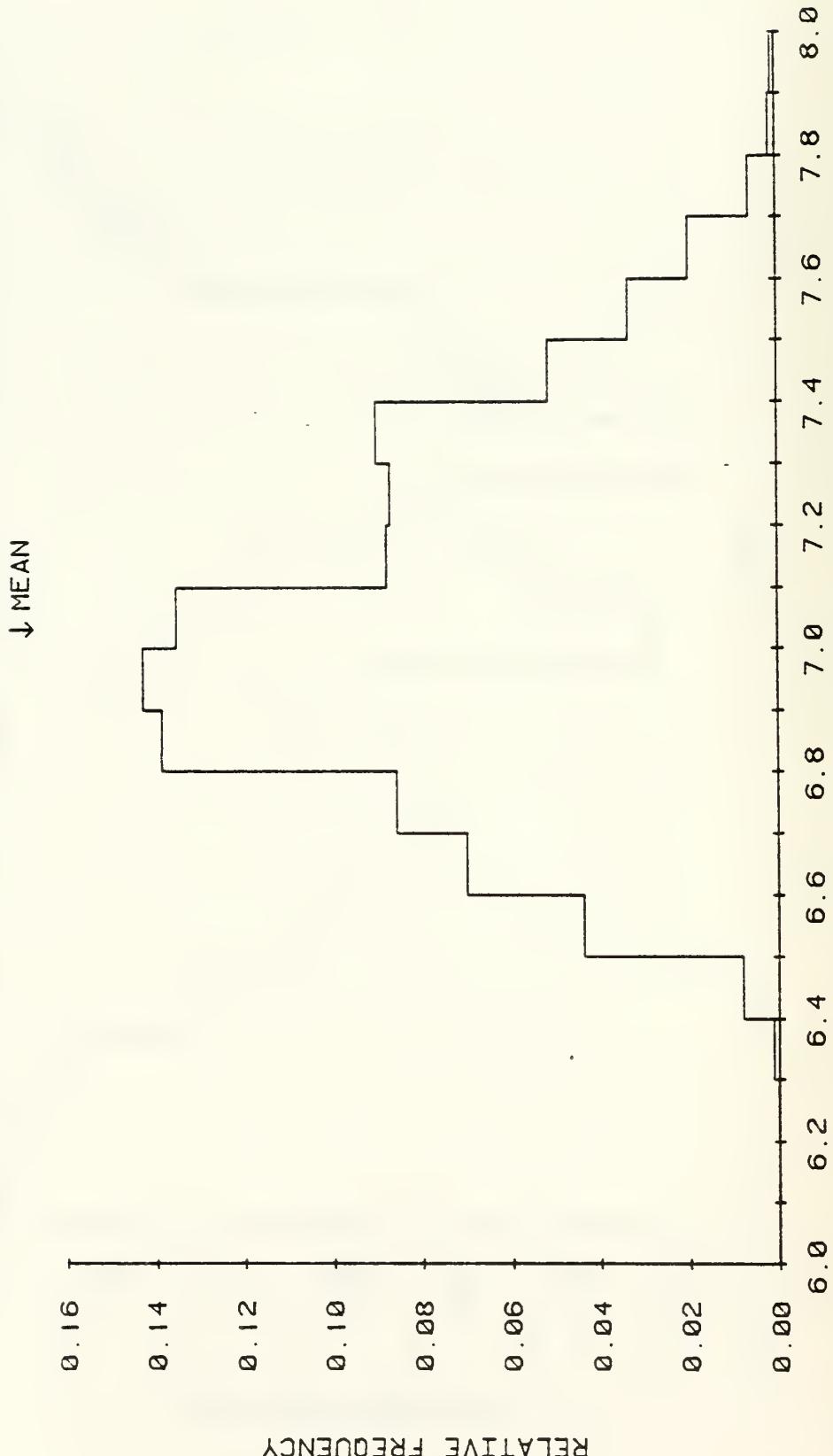


RELATIVE FREQUENCY

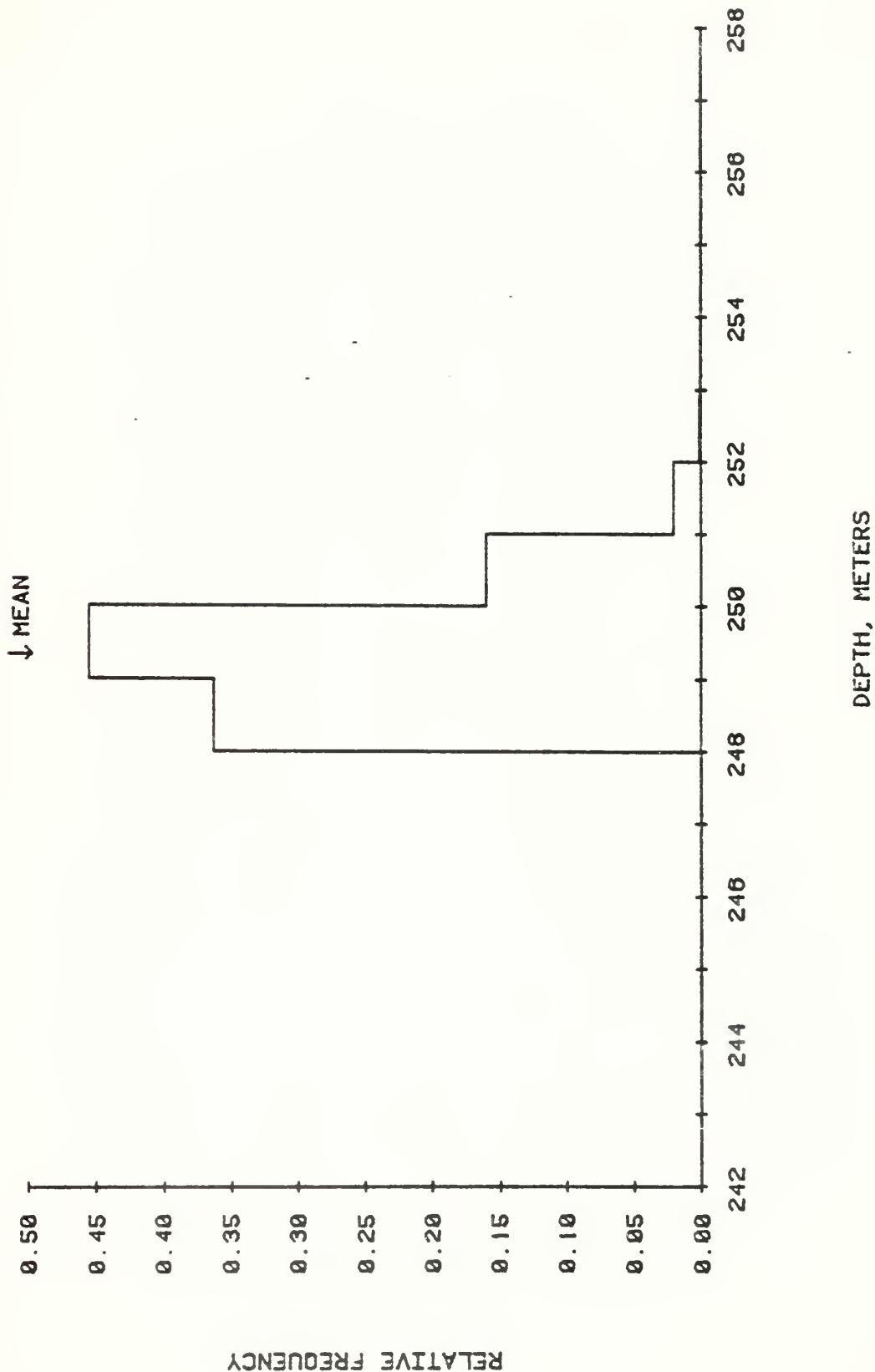
241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



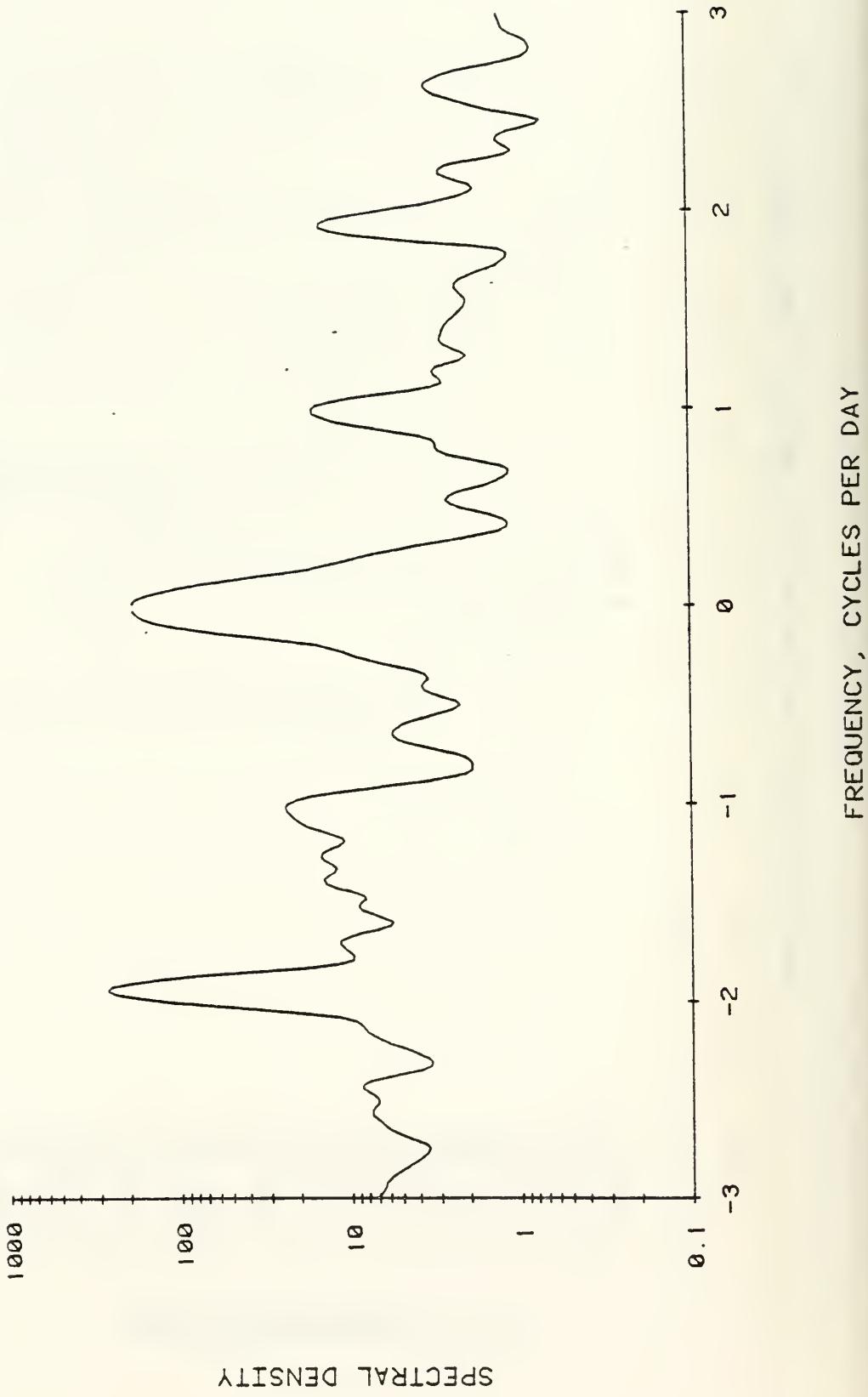
364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.



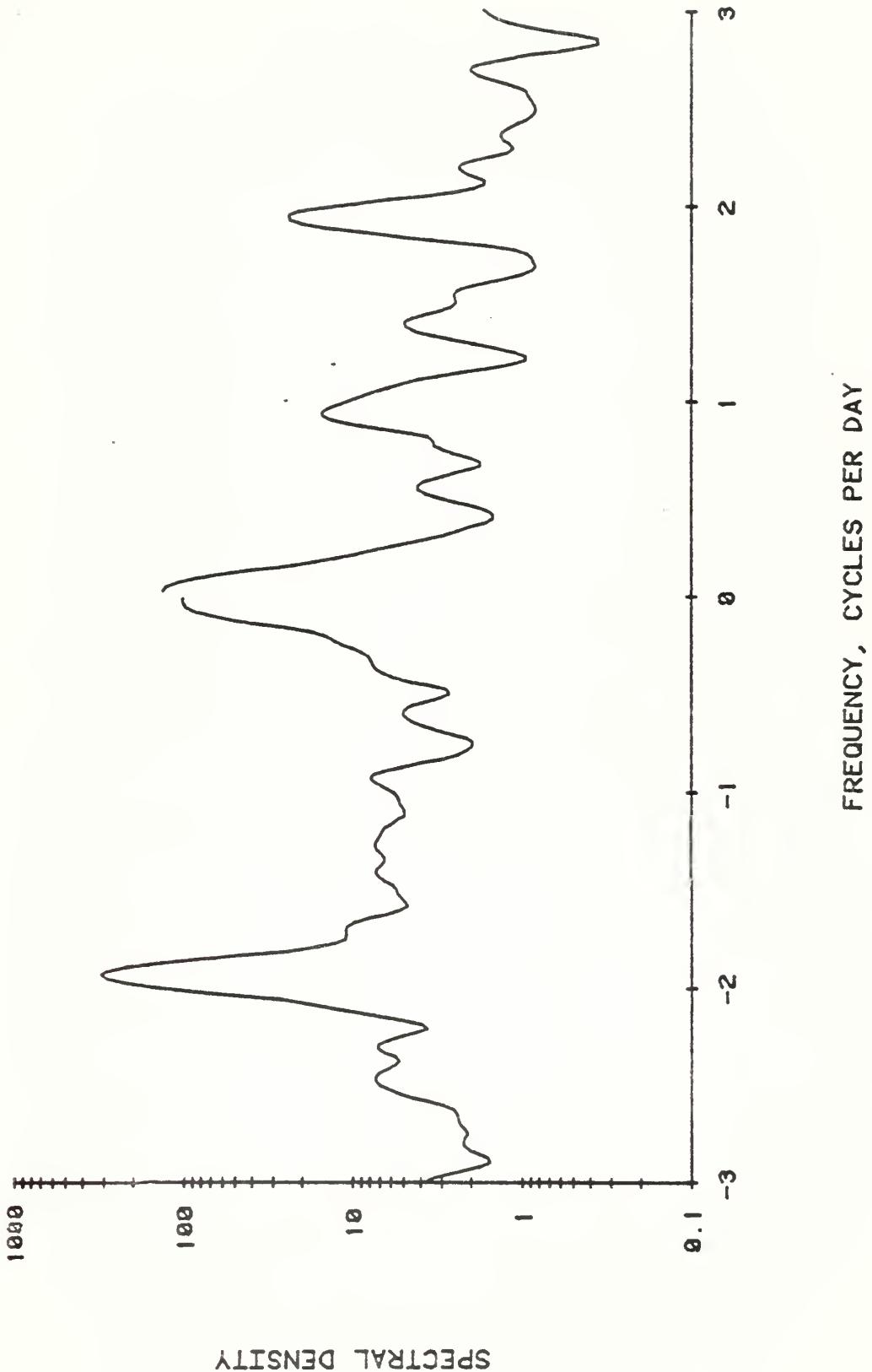
241 H AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



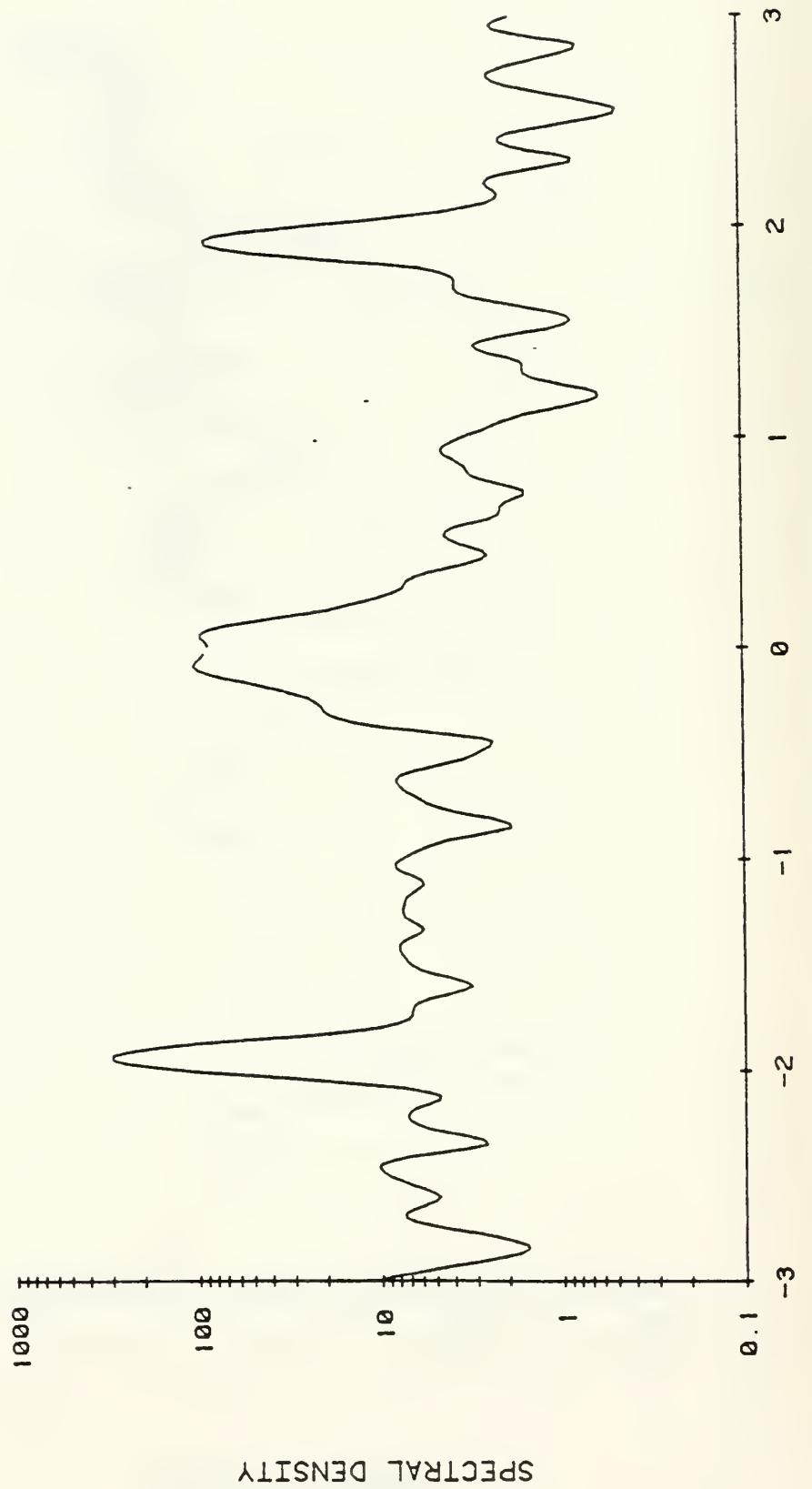
169 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 1965/3.



241 M AT STN 2. 24 APR 79 - 13 JUN 79. TAPE 1319/3.



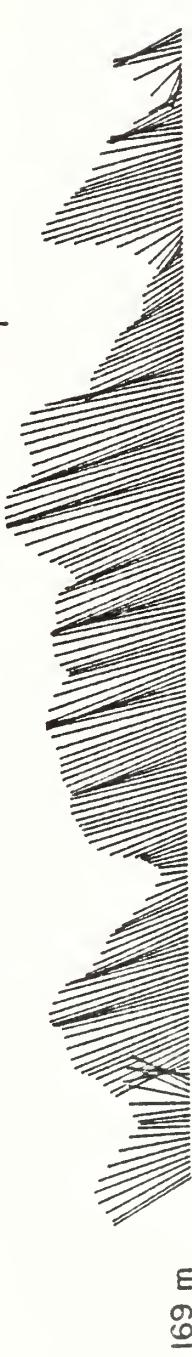
364 M AT STN 2. 24 APR 79 - 16 JUN 79. TAPE 2759/2.



LLP FILTERED CURRENT AT STATION 2. APRIL - JUNE 1979.

N

20 cm/sec



169 m



241 m



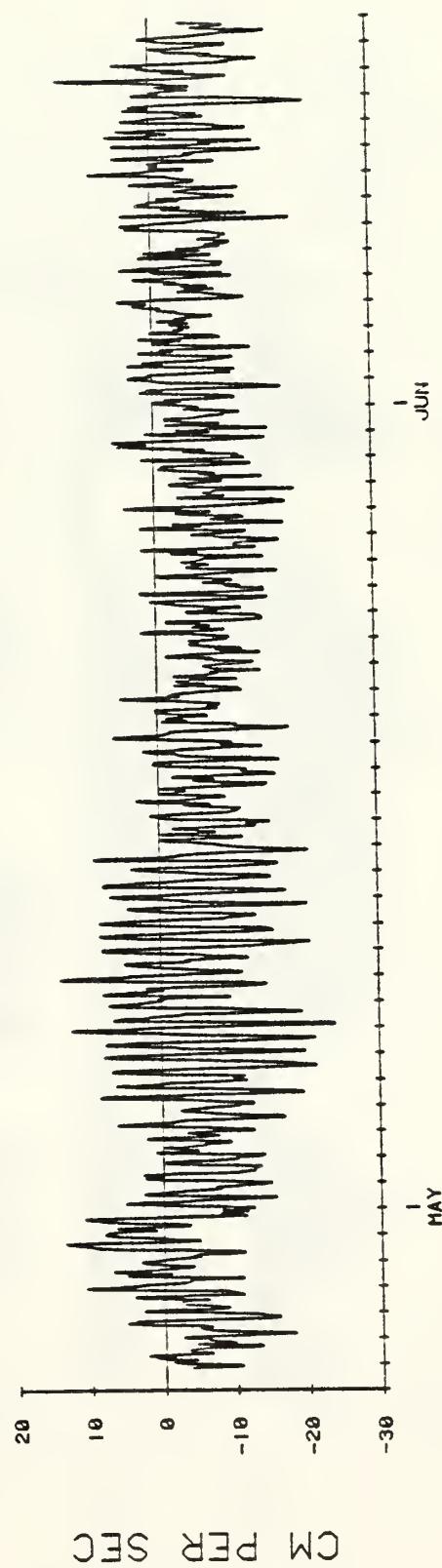
364 m



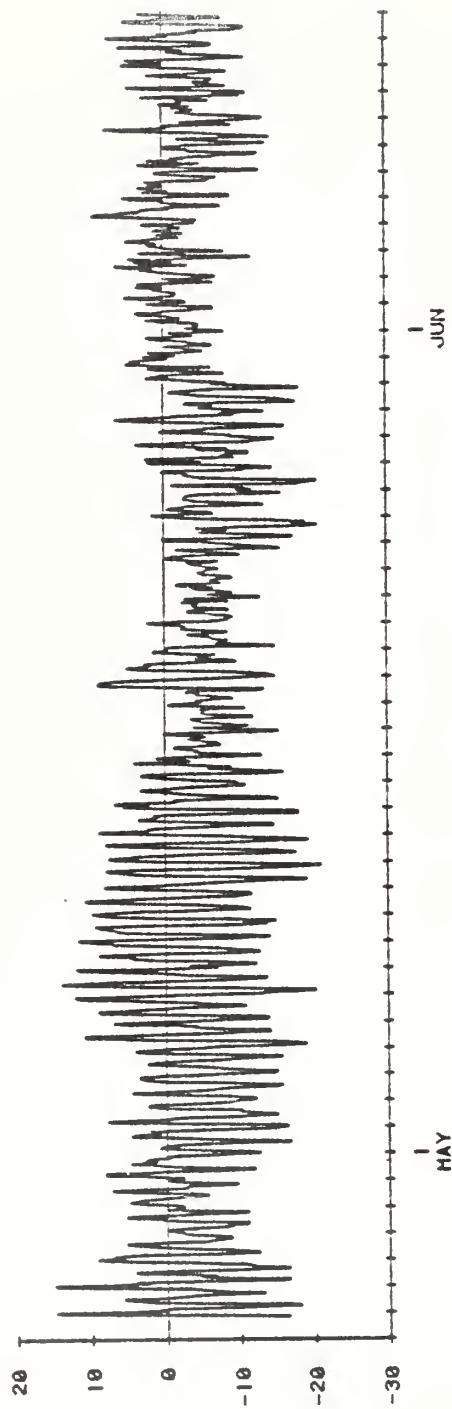
JUN

MAY

U COMPONENT 169 M AT STN 2.

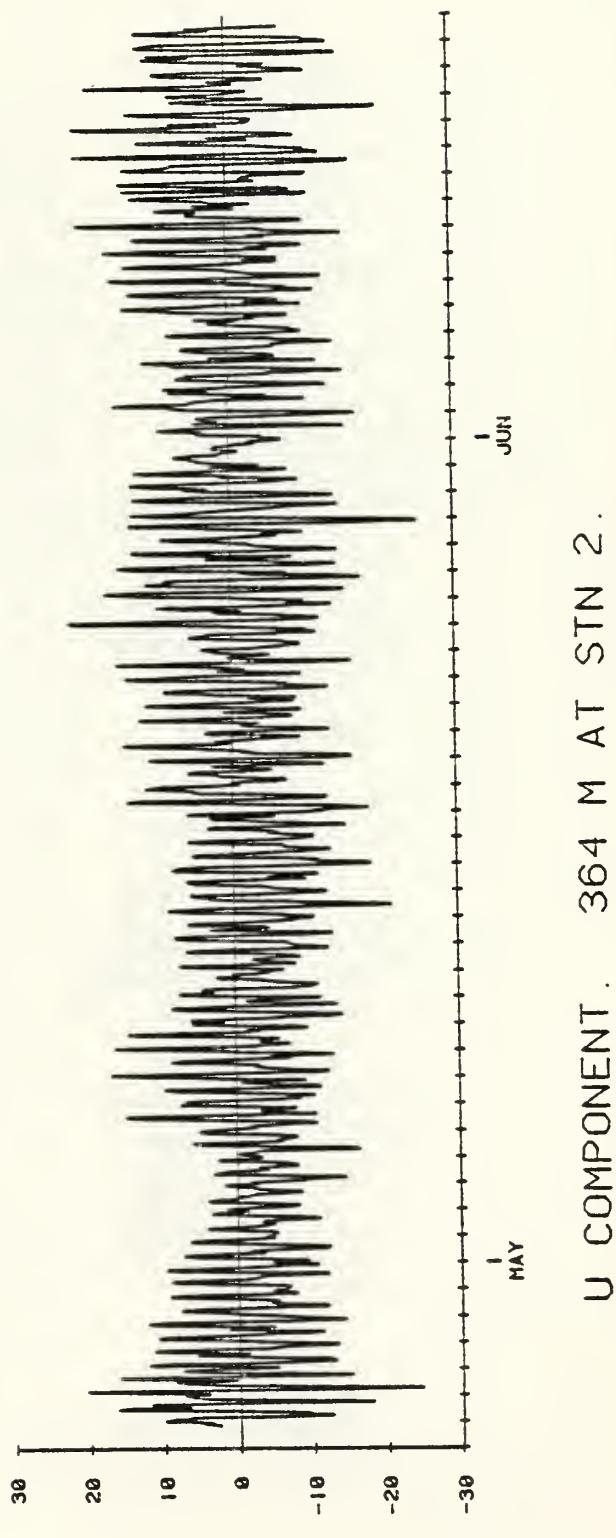


CM PER SEC



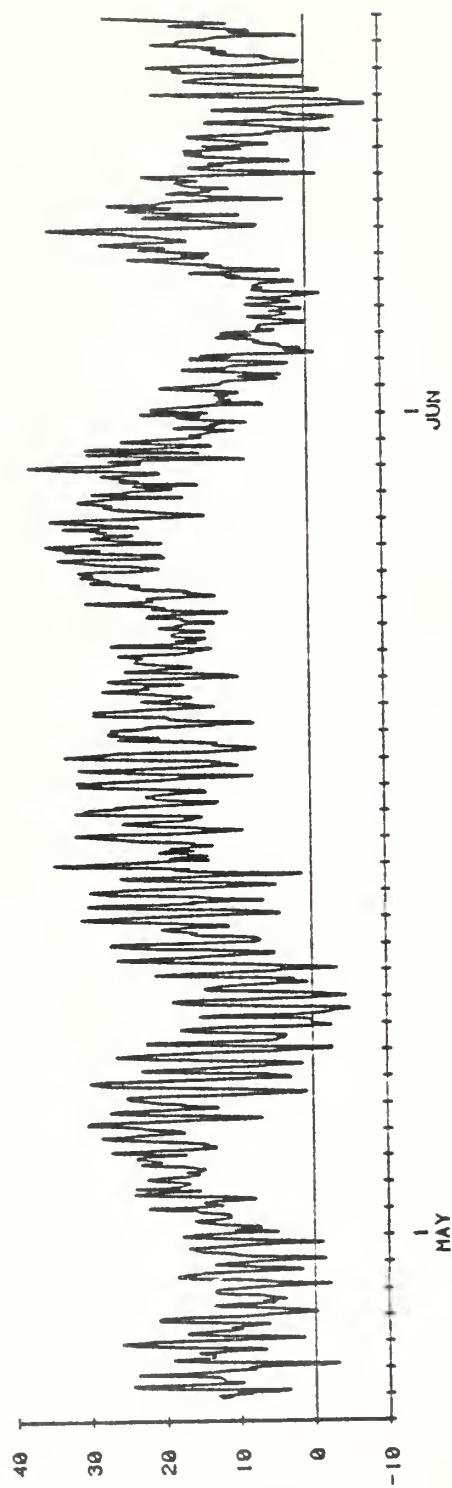
U COMPONENT. 241 M AT STN 2.

CM PER SEC



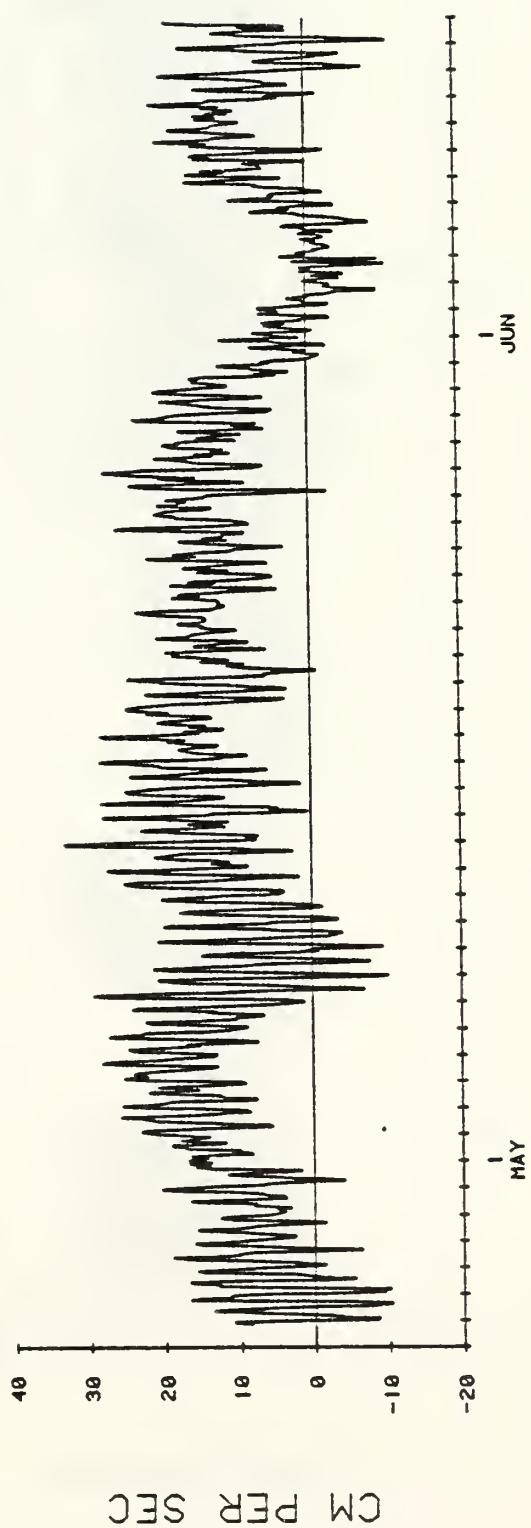
CM PER SEC

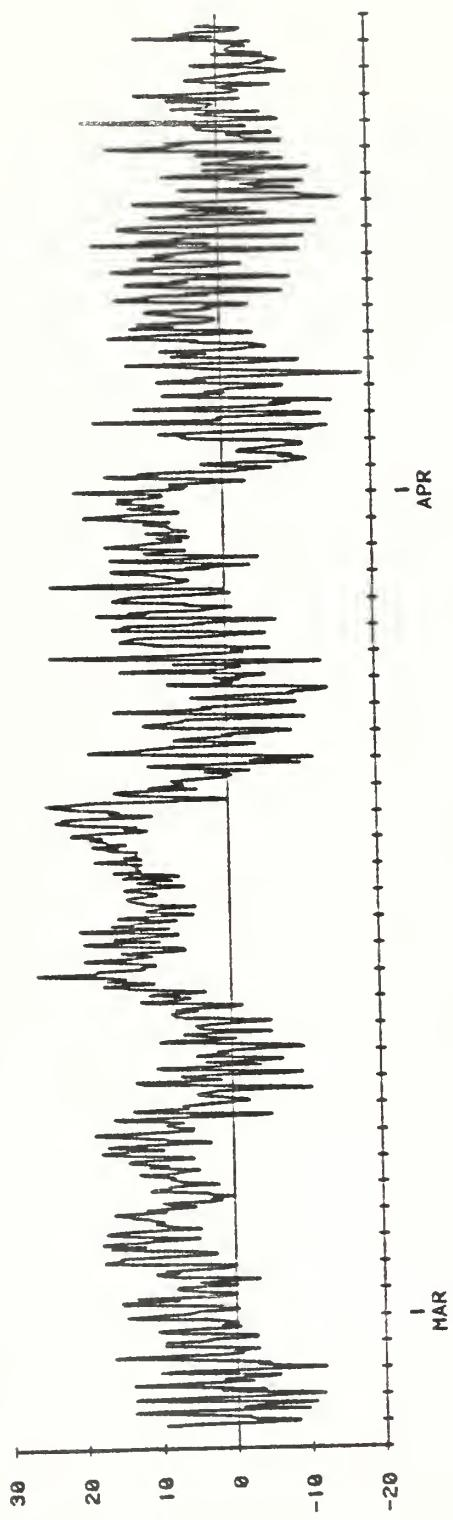
V COMPONENT 169 M AT STN 2.



CM PER SEC

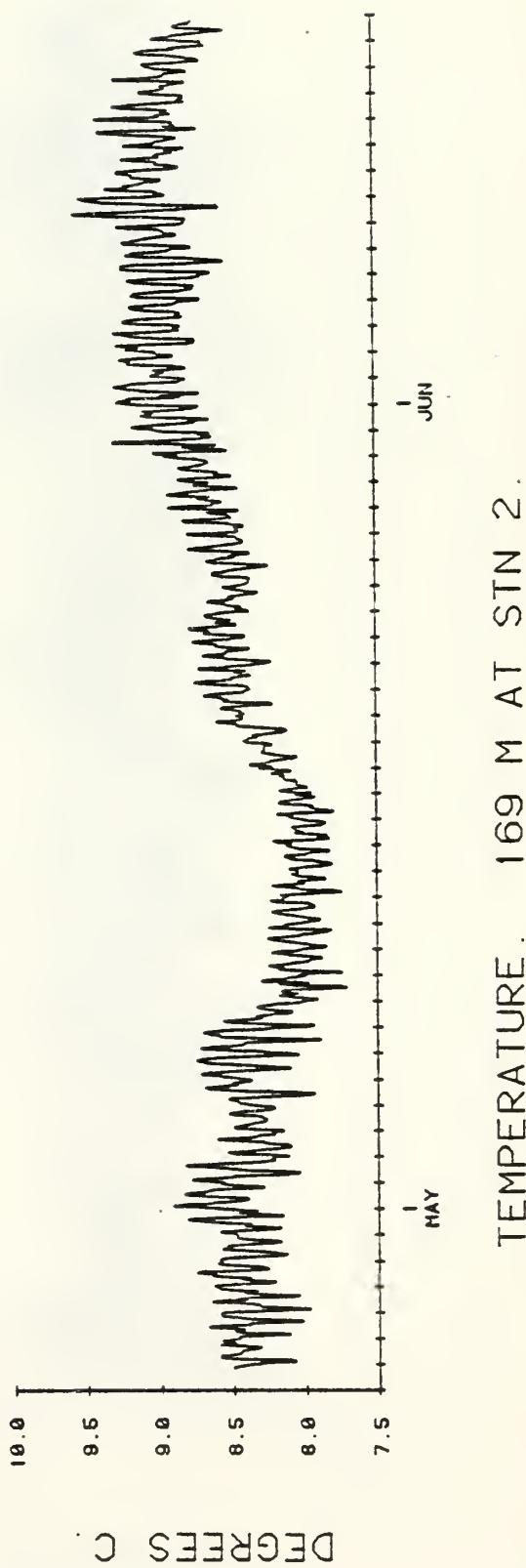
V COMPONENT . 241 M AT STN 2.



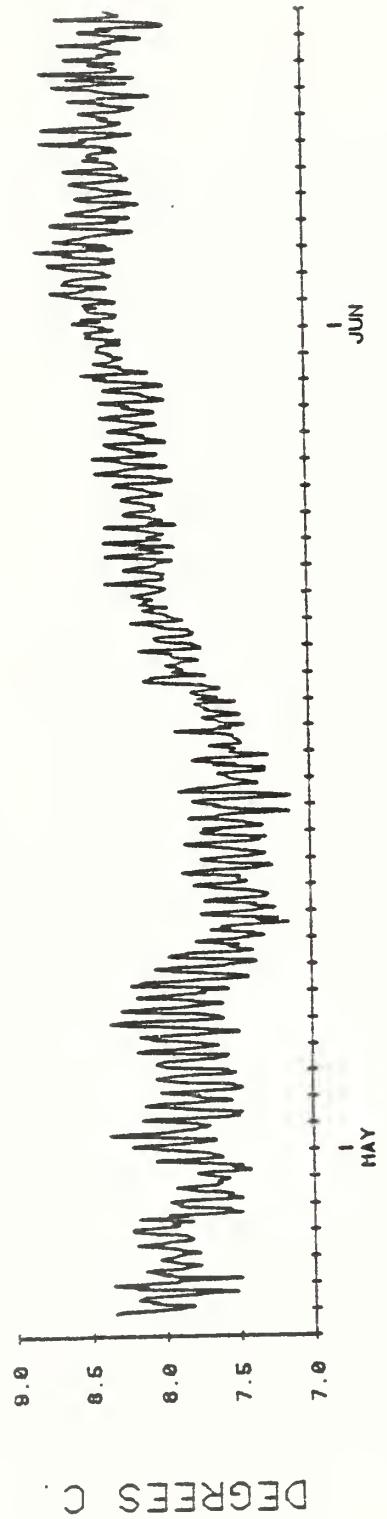


V COMPONENT . 364 M AT STN 2.

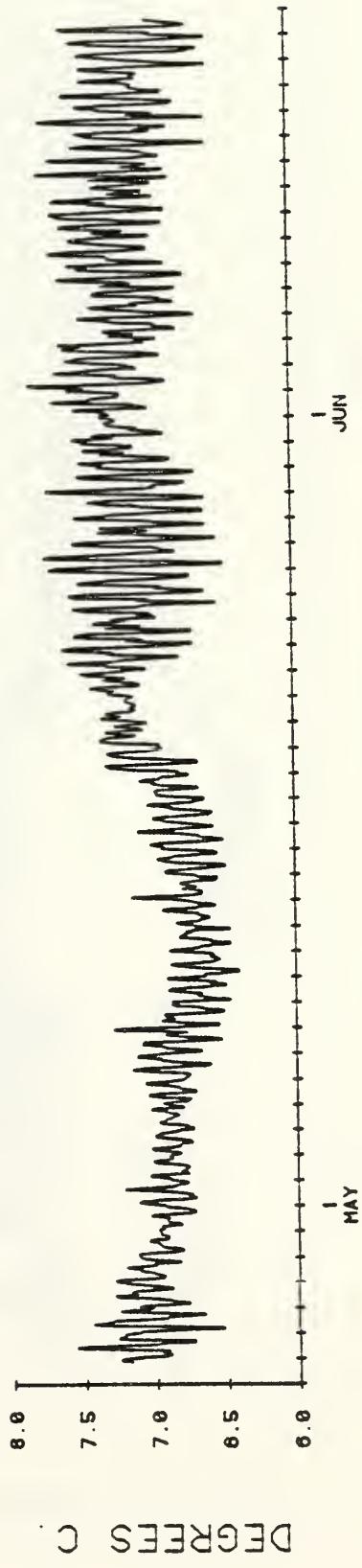
C M D E R S E C



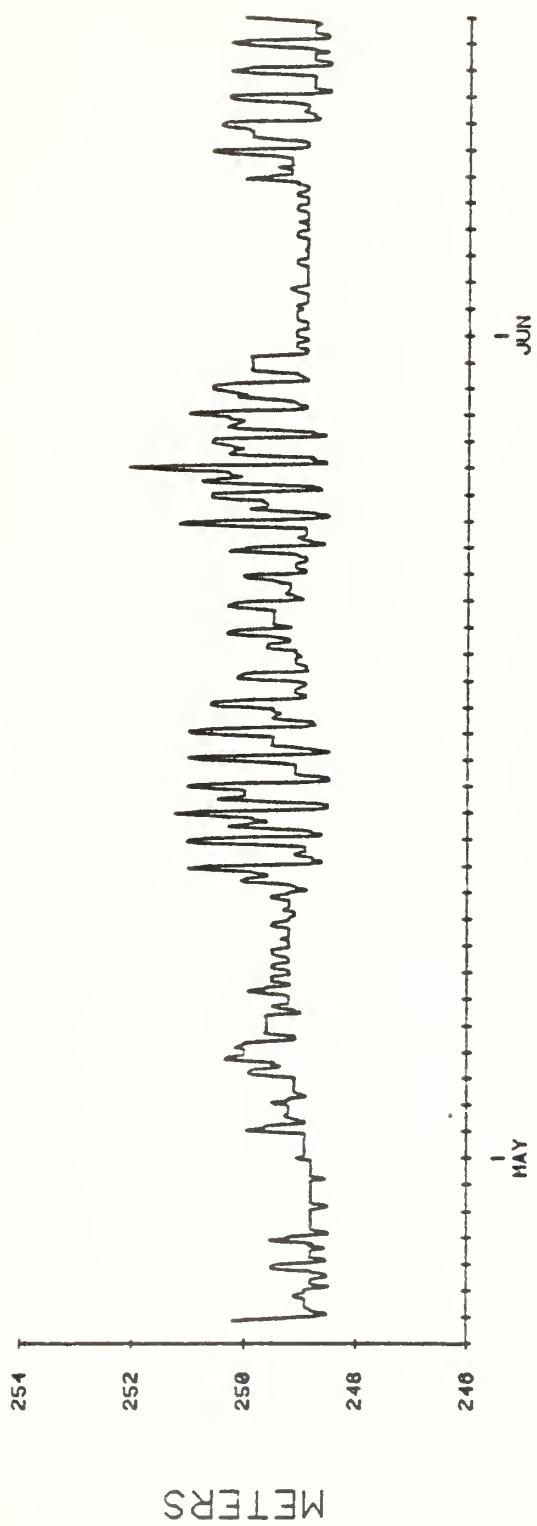
TEMPERATURE AT STN 2.



TEMPERATURE . 241 M AT STN 2 .



TEMPERATURE . 364 M AT STN 2 .



DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2

STATION 7 - 35° 50.4'N, 121° 46.0'W
 9 JUL 79 - 2 SEP 79

Record #16, Depth 158 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	15.39	8.13	0.83	3.61	0.80	48.00	401
U(cm/s)	-1.02	14.47	0.58	3.15	-35.10	47.30	401
V(cm/s)	4.25	8.64	-0.66	3.62	-27.00	22.60	401
T(°C)	9.04	0.24	0.36	2.21	8.49	9.61	401

Record #17, Depth 231 m

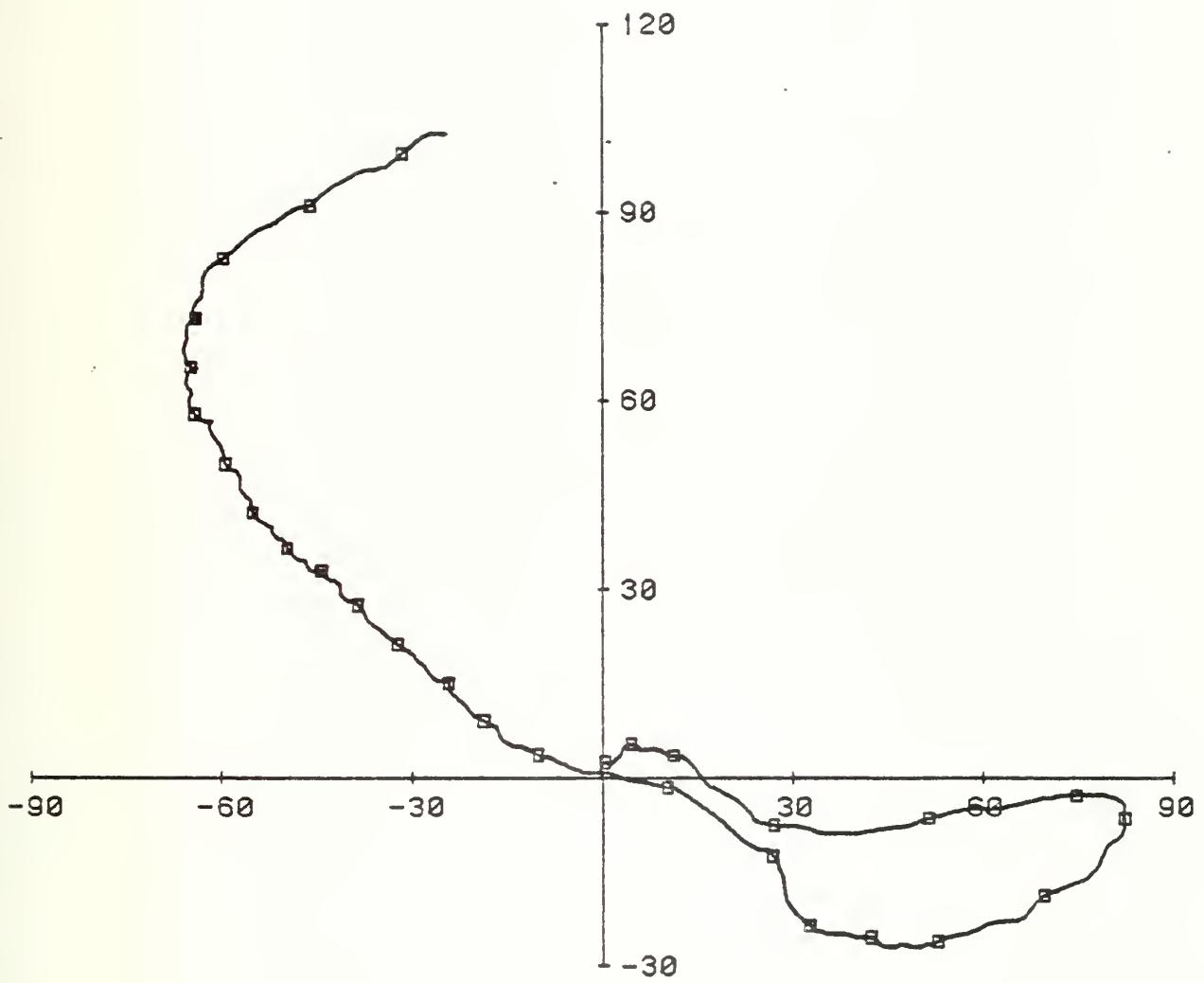
S(cm/s)	11.67	5.98	0.56	2.96	0.80	33.10	789
U(cm/s)	-2.90	3.29	0.05	3.56	-29.30	26.70	789
V(cm/s)	4.05	8.86	-0.44	2.88	-24.20	27.00	789
T(°C)	8.30	0.26	0.36	4.75	7.51	9.41	789

Record #18, Depth 356 m

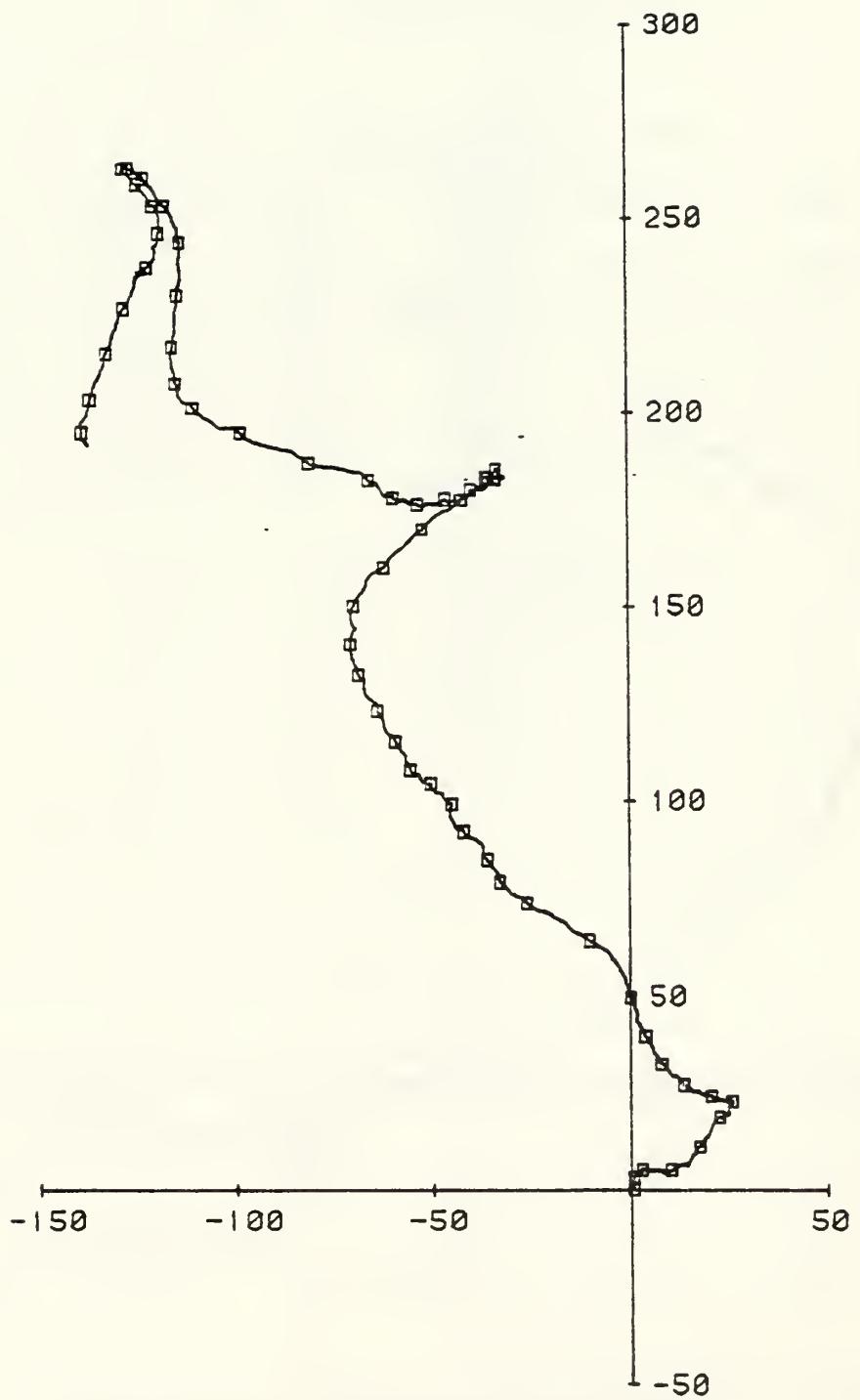
S(cm/s)	7.35	4.88	0.59	3.18	0.80	27.30	781
U(cm/s)	-1.40	5.40	0.41	5.17	-21.00	25.00	781
V(cm/s)	2.42	6.39	-0.11	2.92	-18.60	23.80	781
T(°C)	7.52	0.31	-0.61	2.53	6.54	8.20	781
Z(meters)	333.13	0.99	2.75	13.67	331.40	340.40	781

Record #19, Depth 555 m

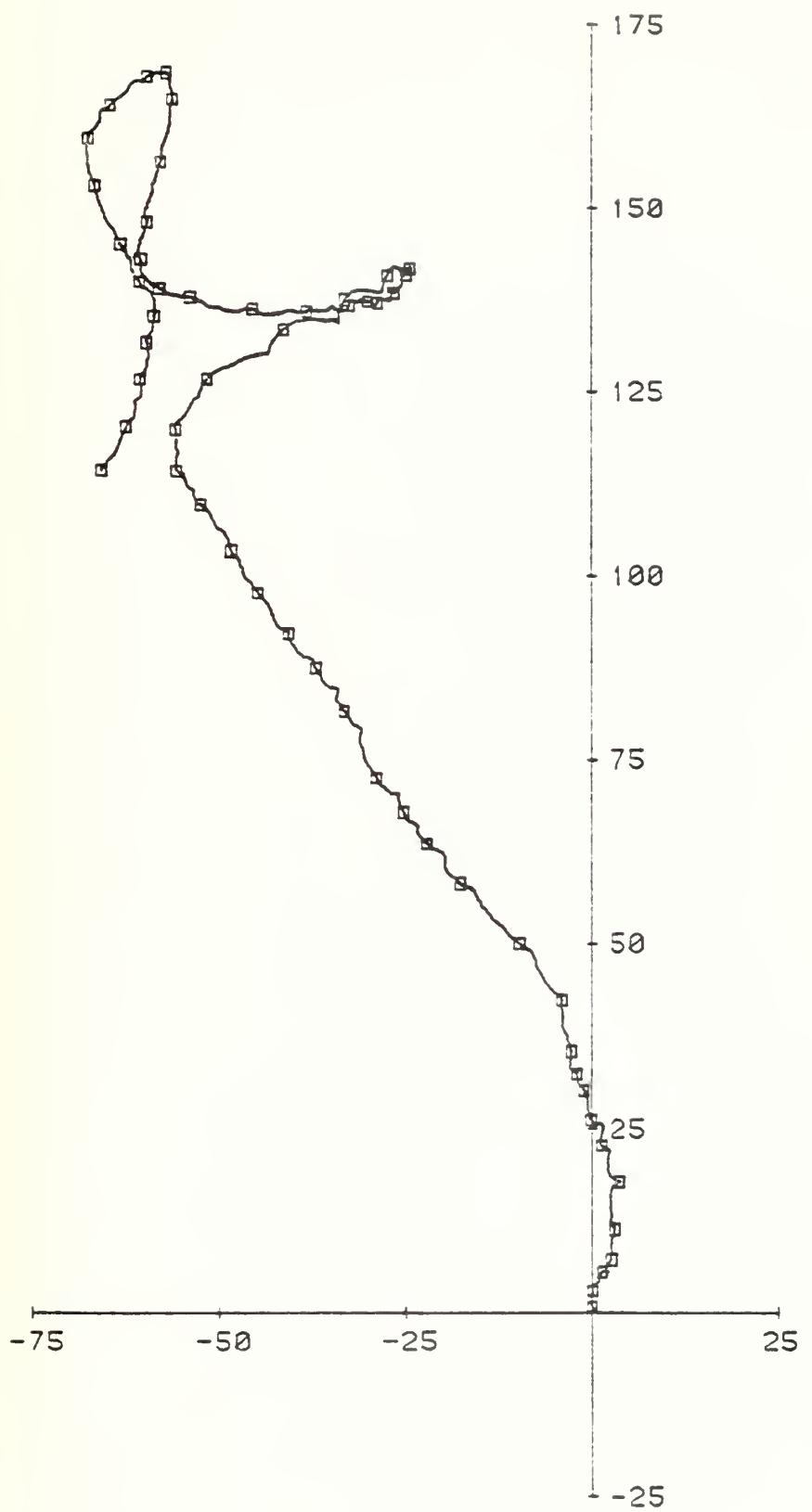
S(cm/s)	7.50	3.72	0.59	2.85	0.80	20.50	735
U(cm/s)	-0.06	5.26	0.03	3.17	-17.00	18.50	735
V(cm/s)	1.52	6.33	0.00	2.69	-18.80	20.50	735
T(°C)	6.06	0.19	0.37	3.13	5.57	6.81	735



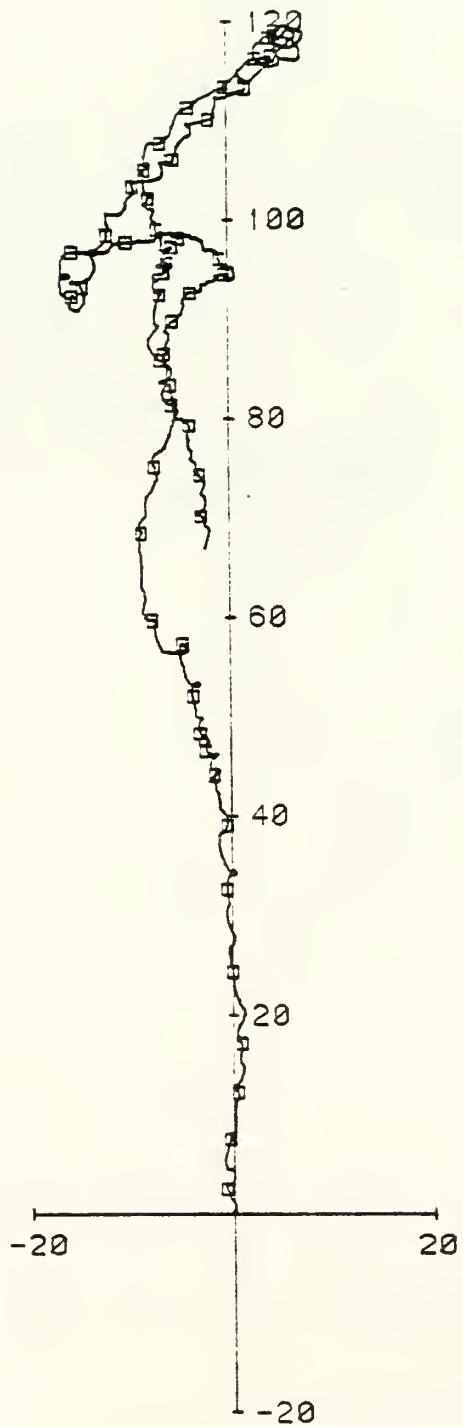
158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.



231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.

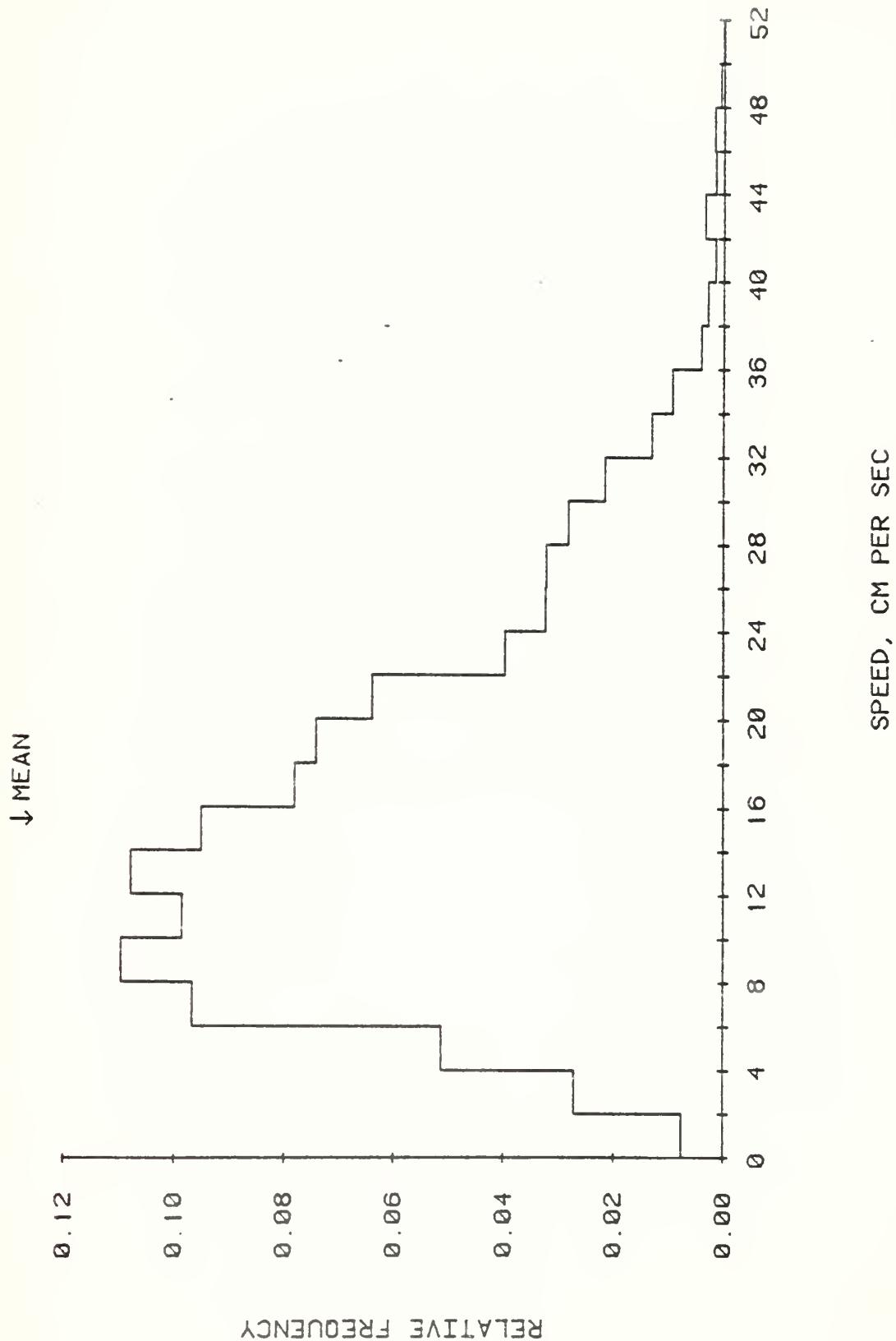


356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.

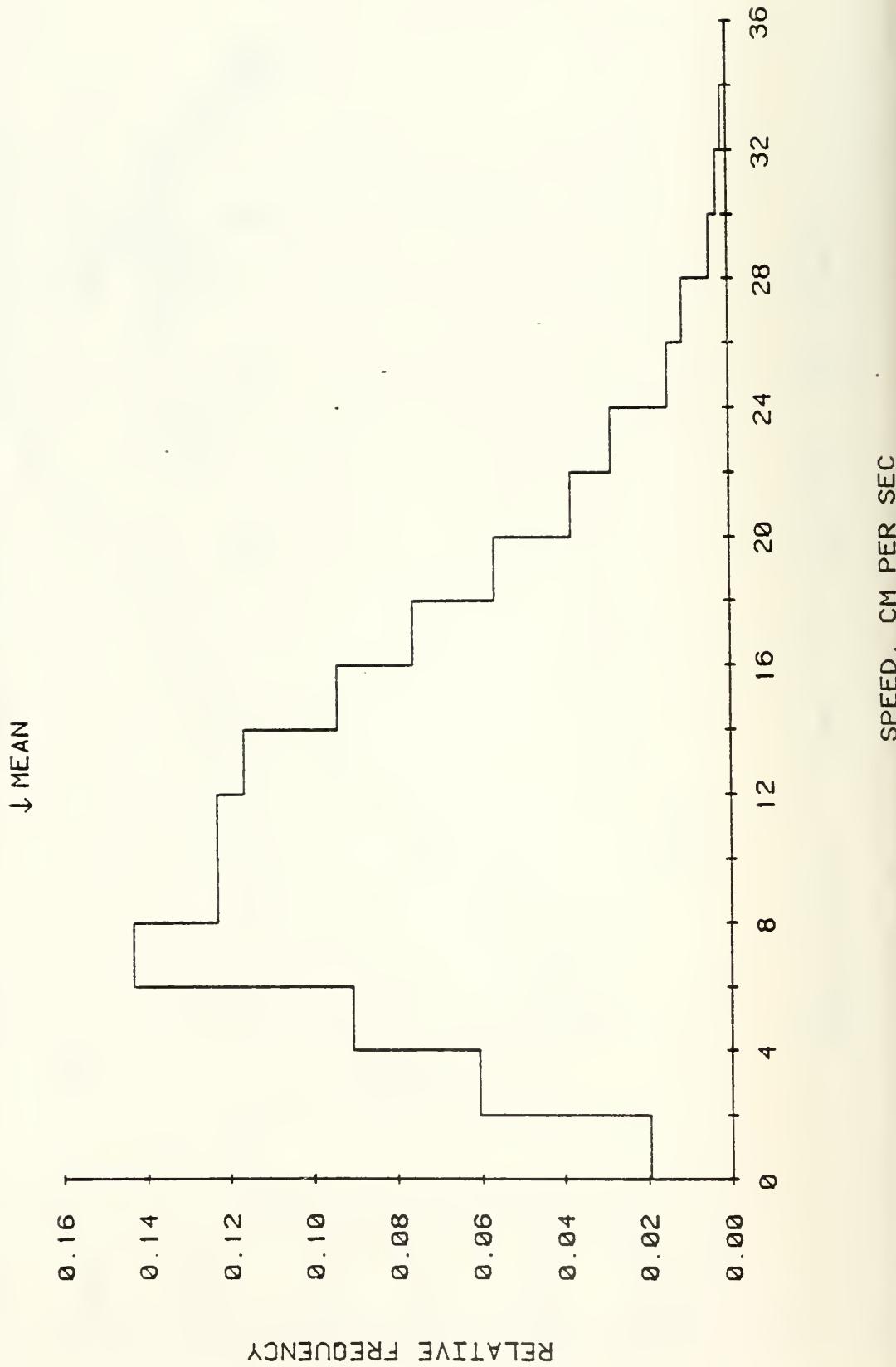


555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495

158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.

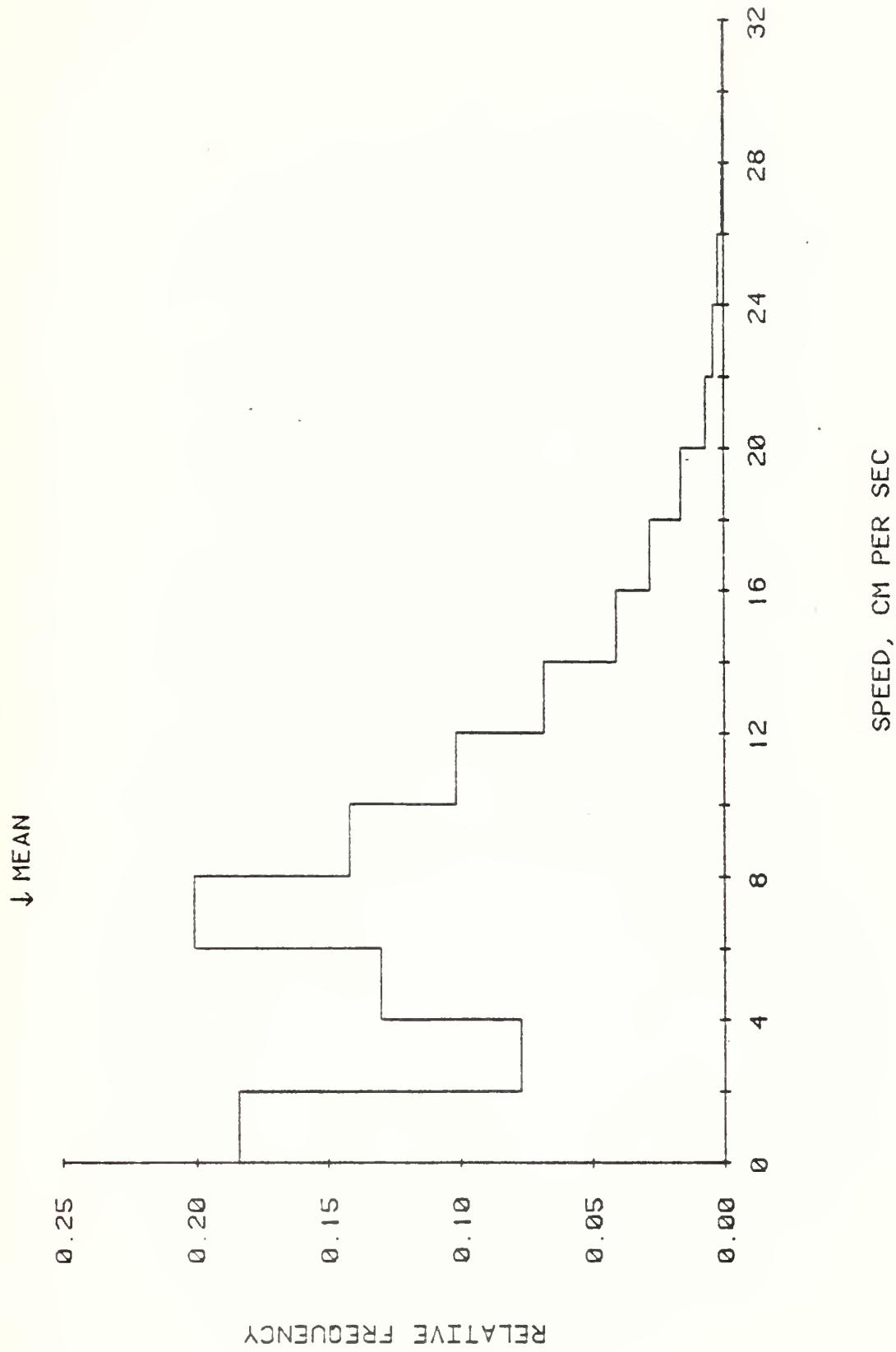


231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.

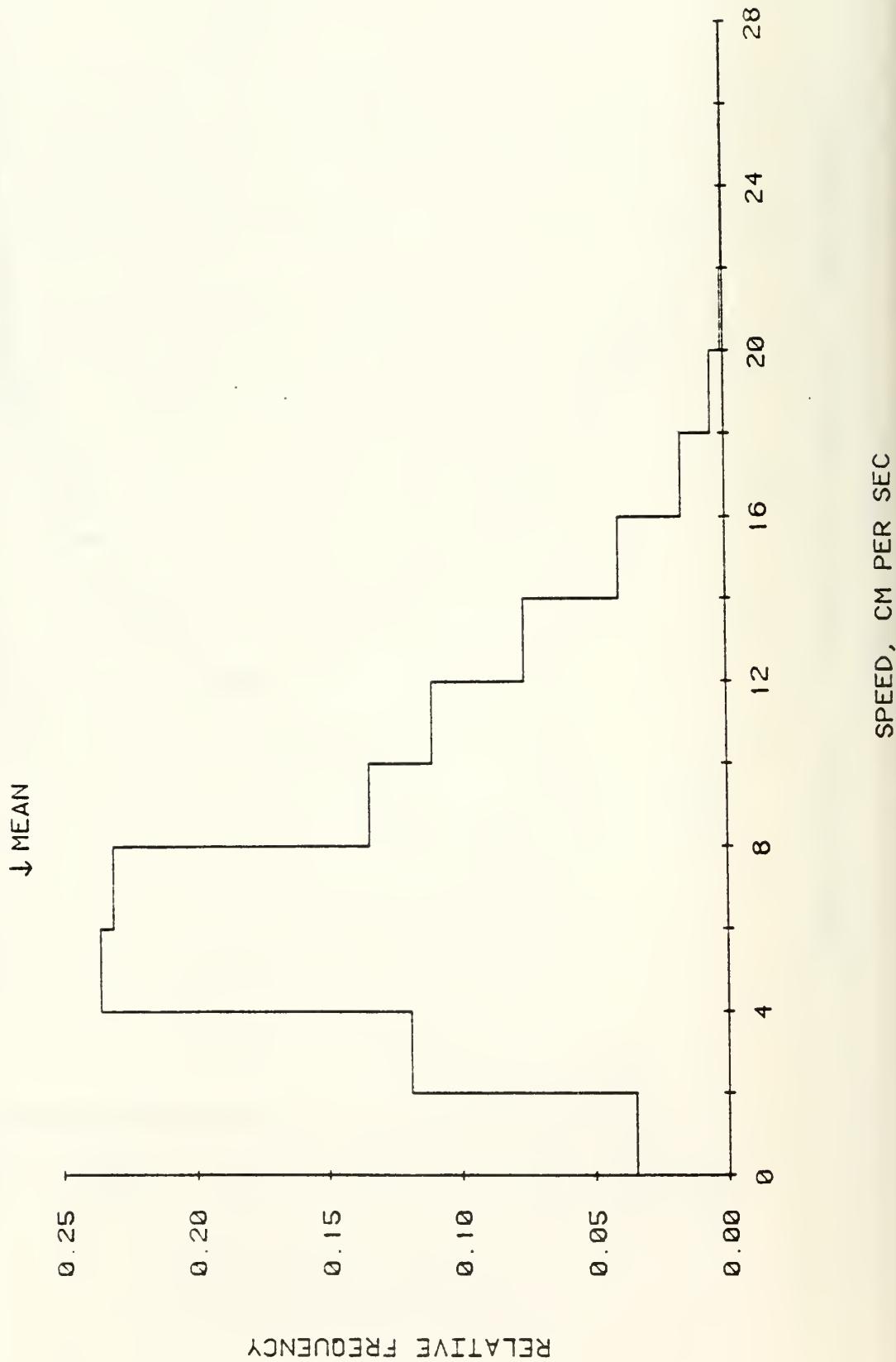


RELATIVE FREQUENCY

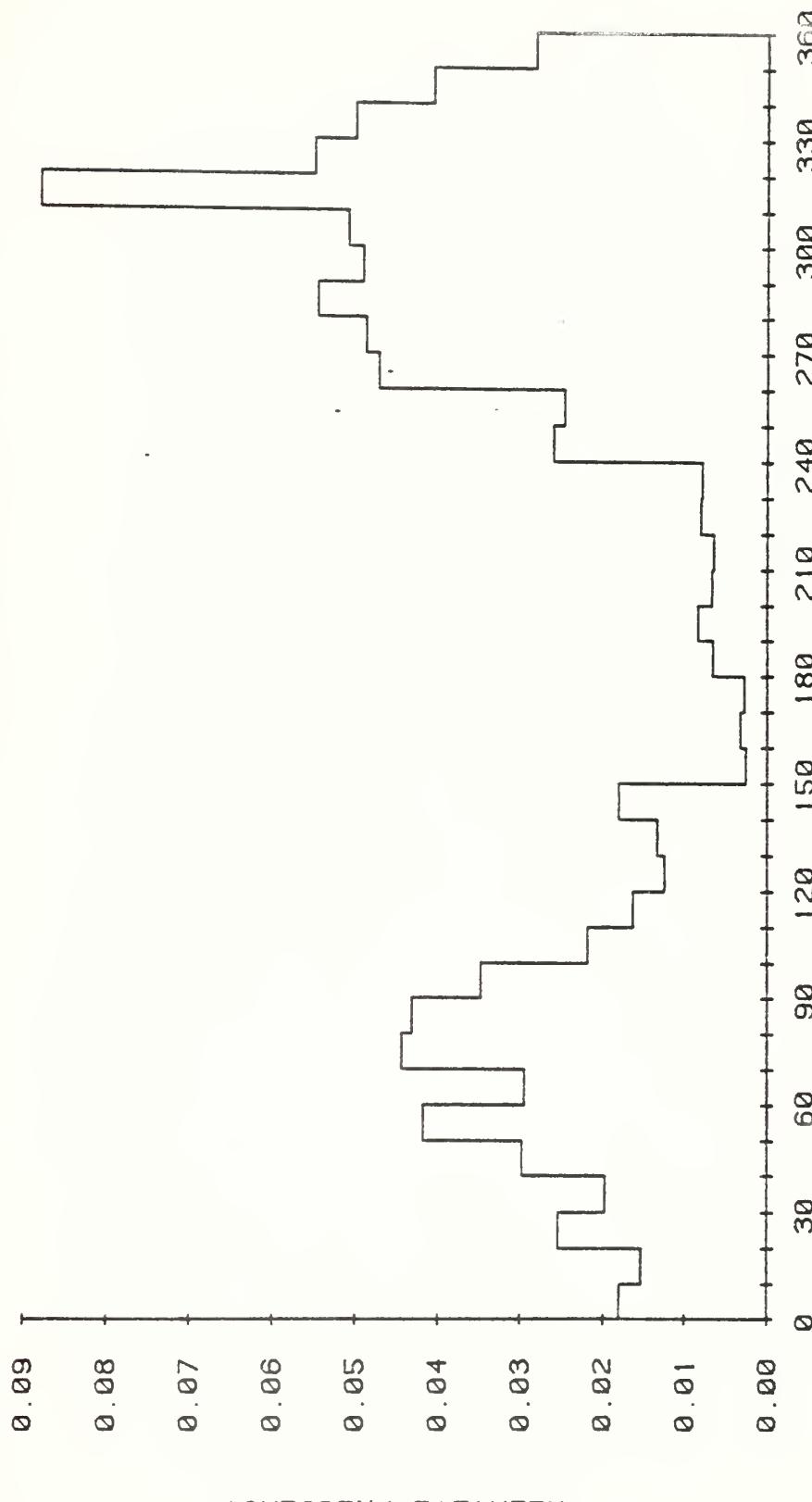
356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.

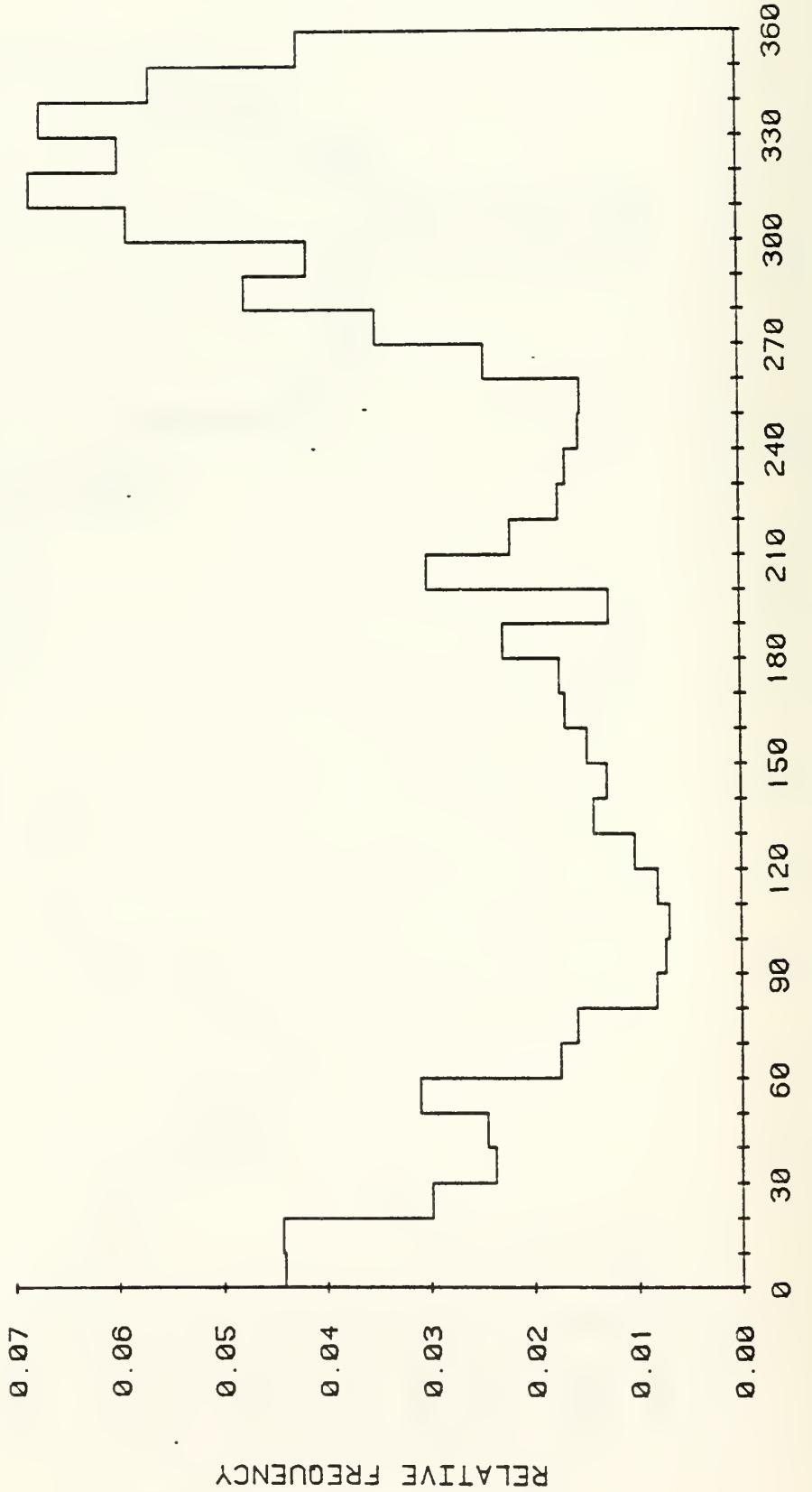


158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.

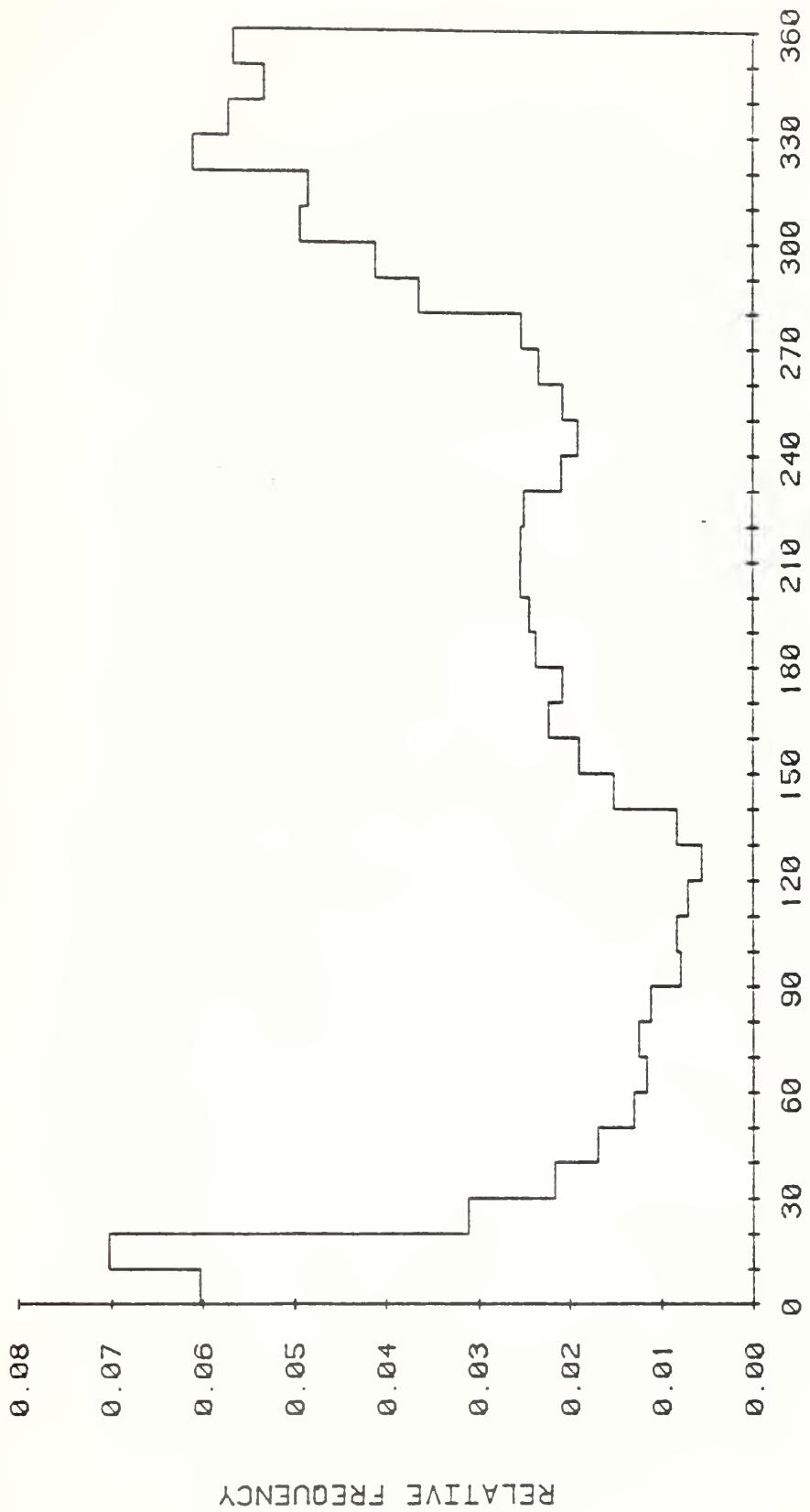


RELATIVE FREQUENCY

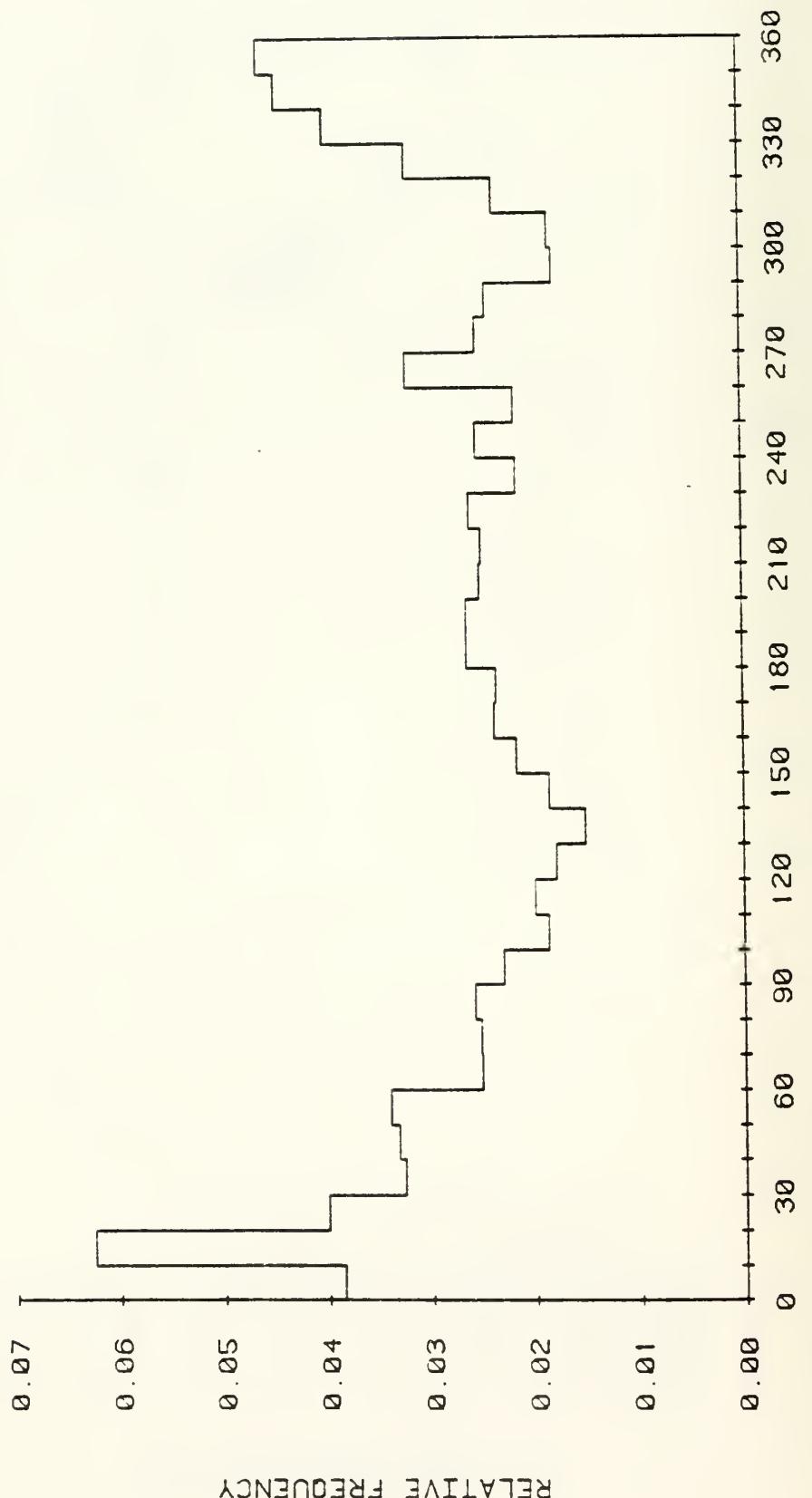
231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.



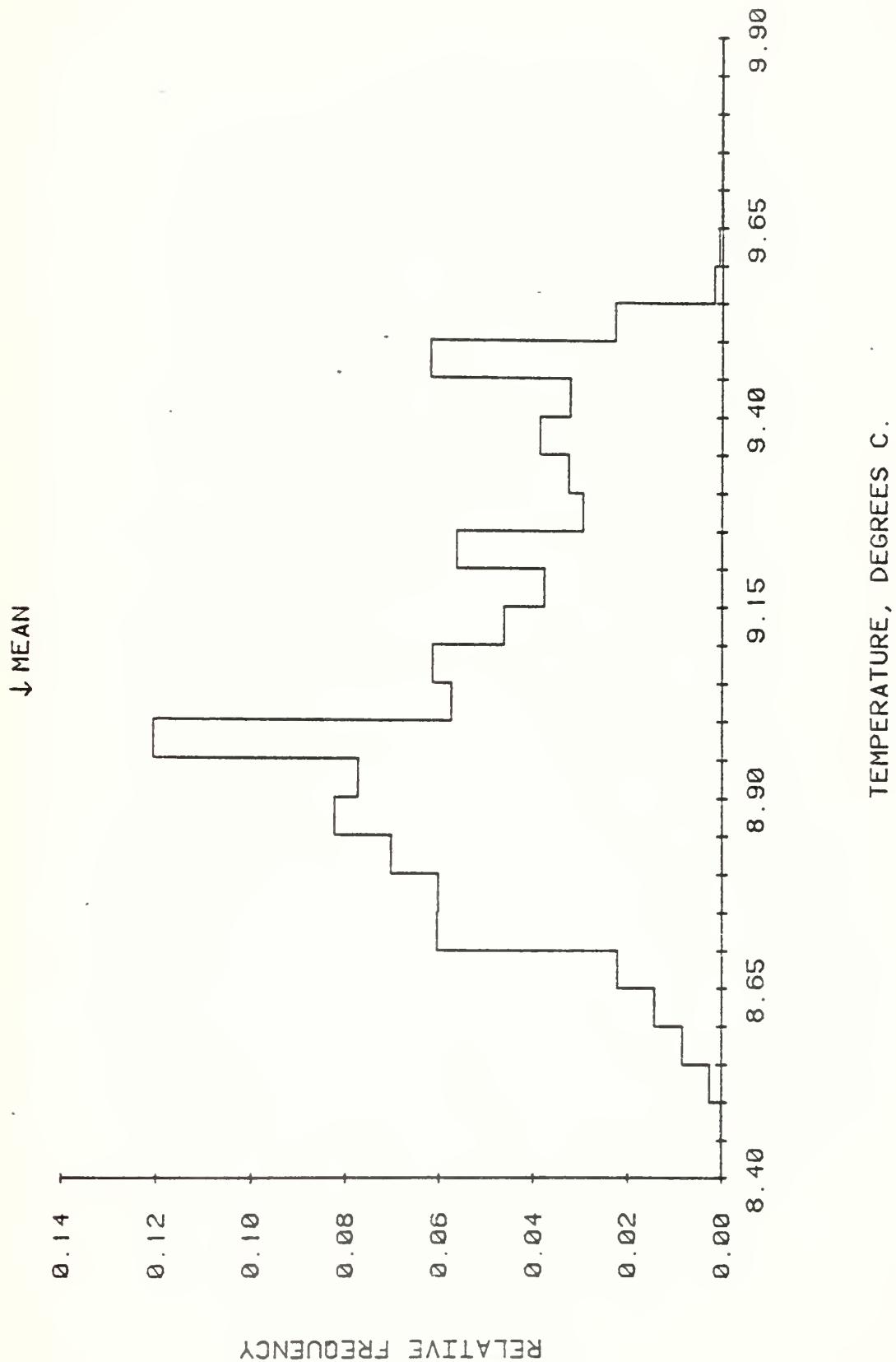
356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



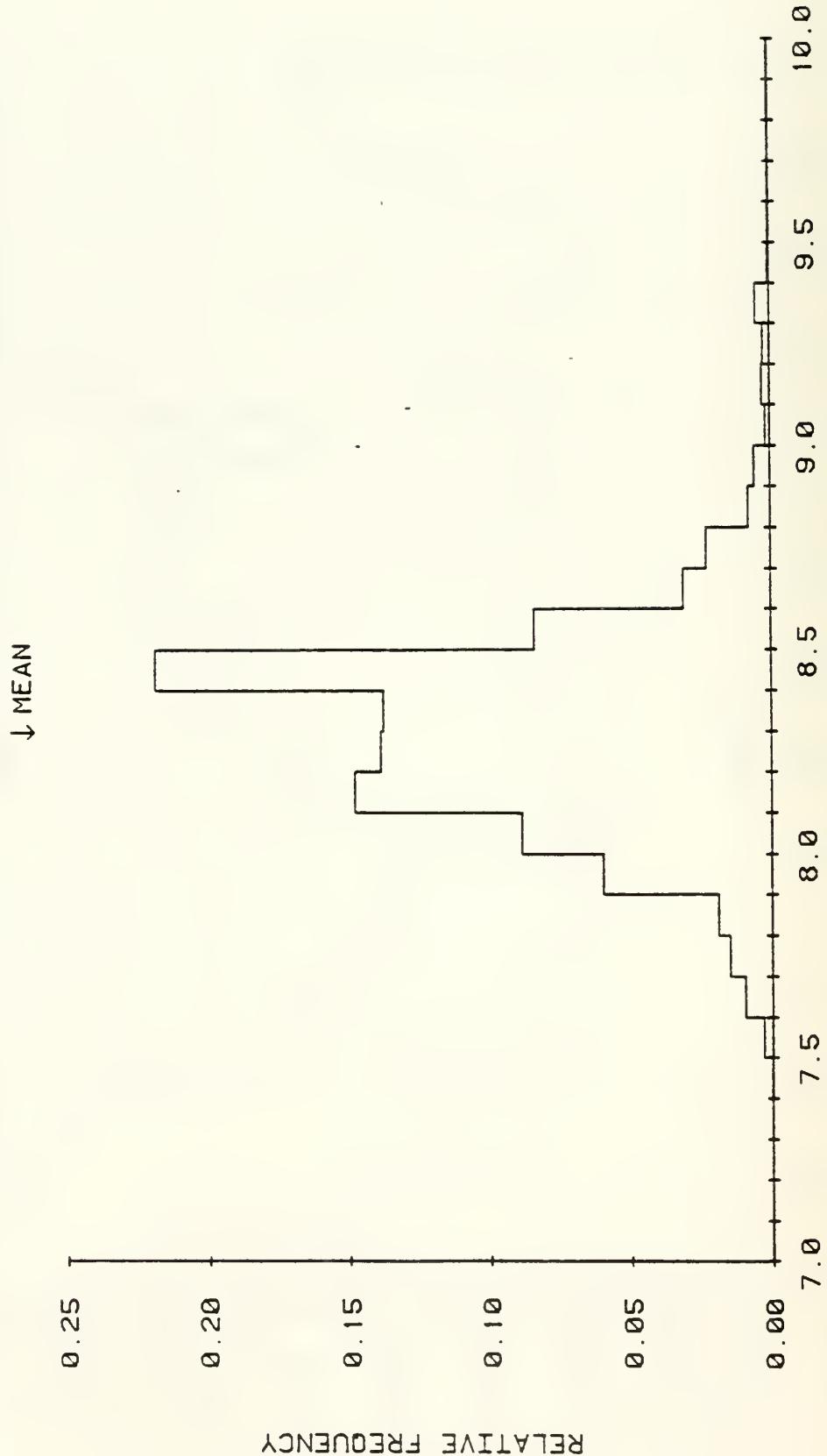
555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.



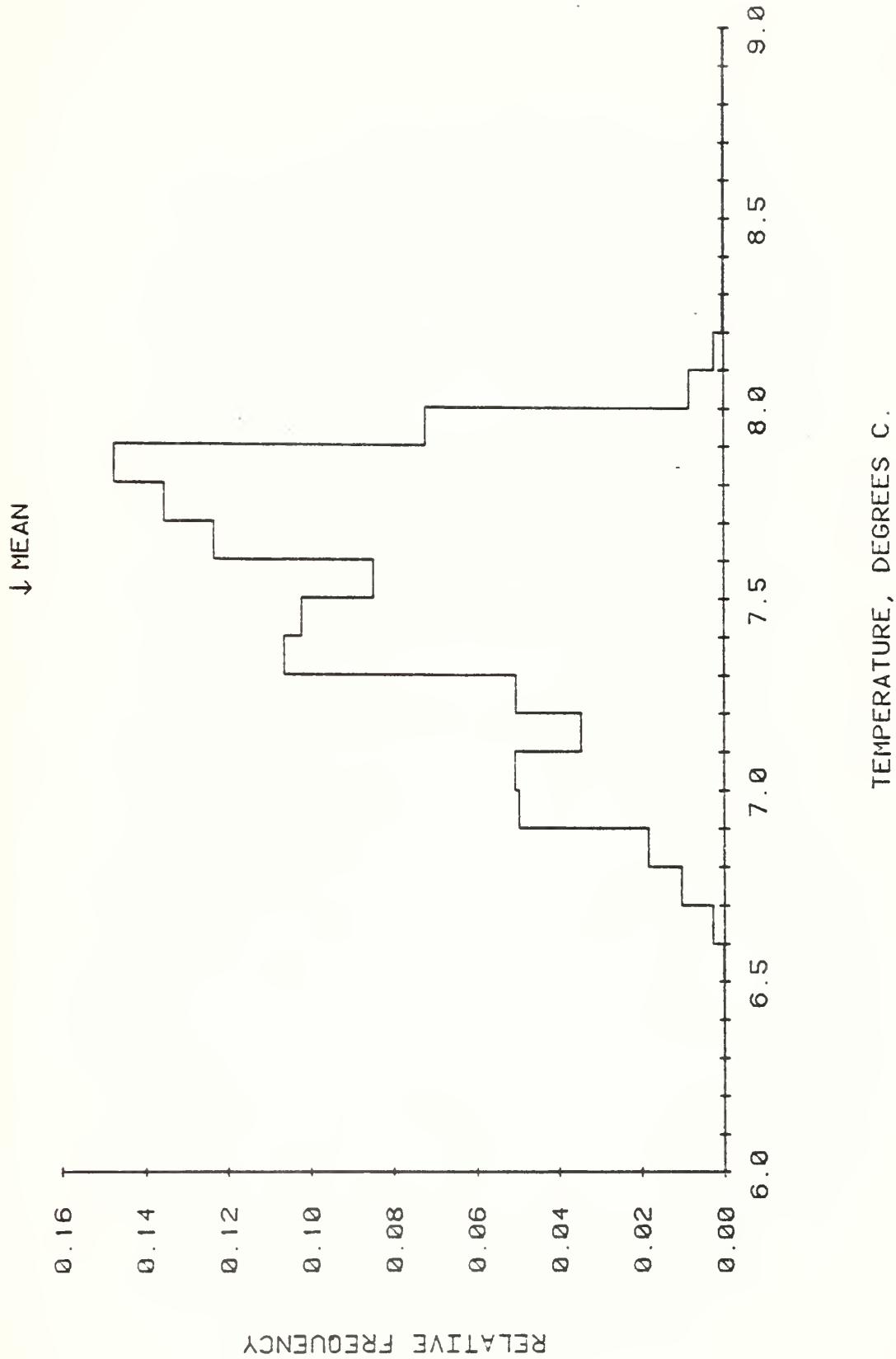
158 M AT STN 7. 9 JUL 79 - 6 AUG 79. TAPE 2760/D.



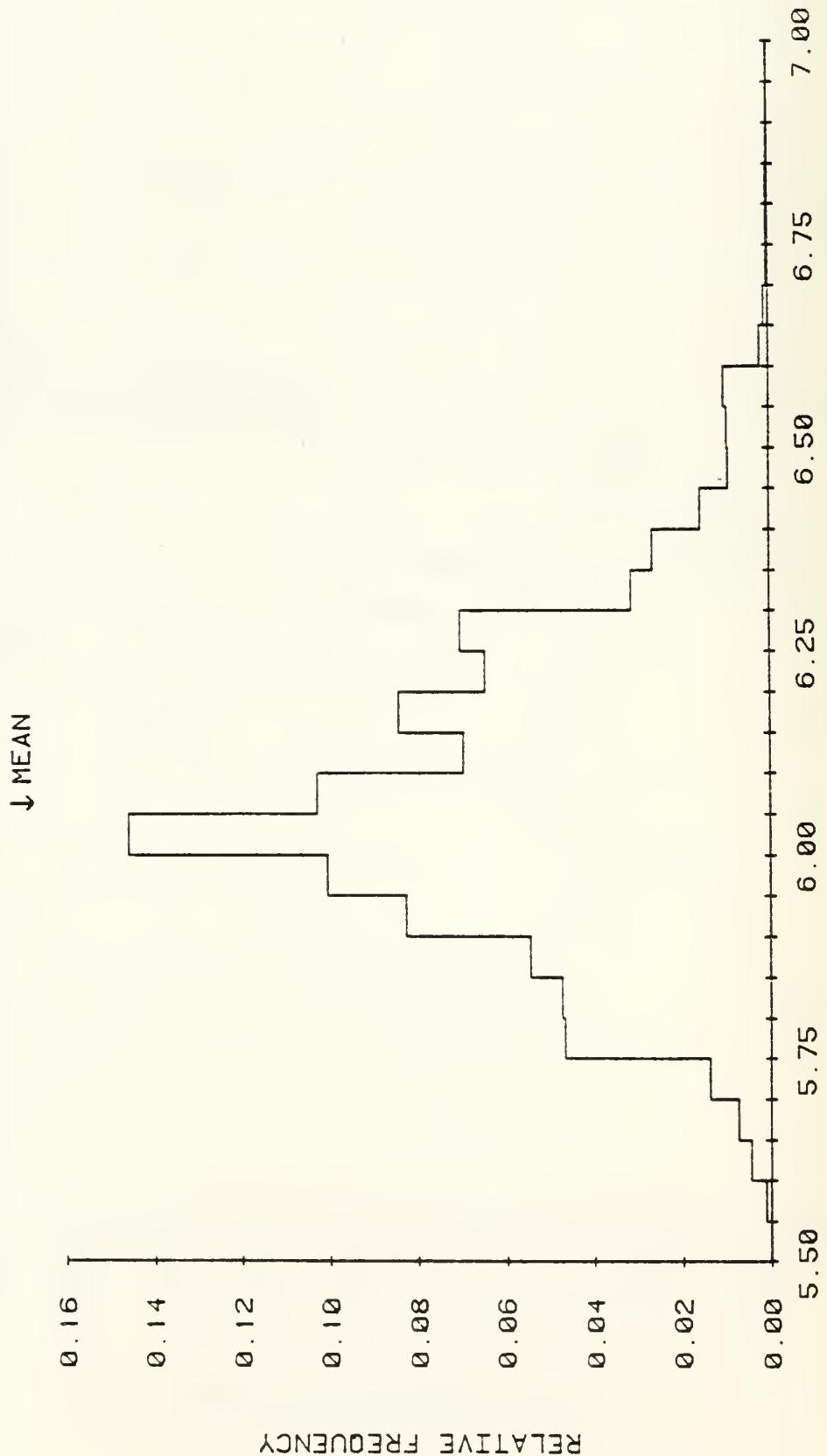
231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.



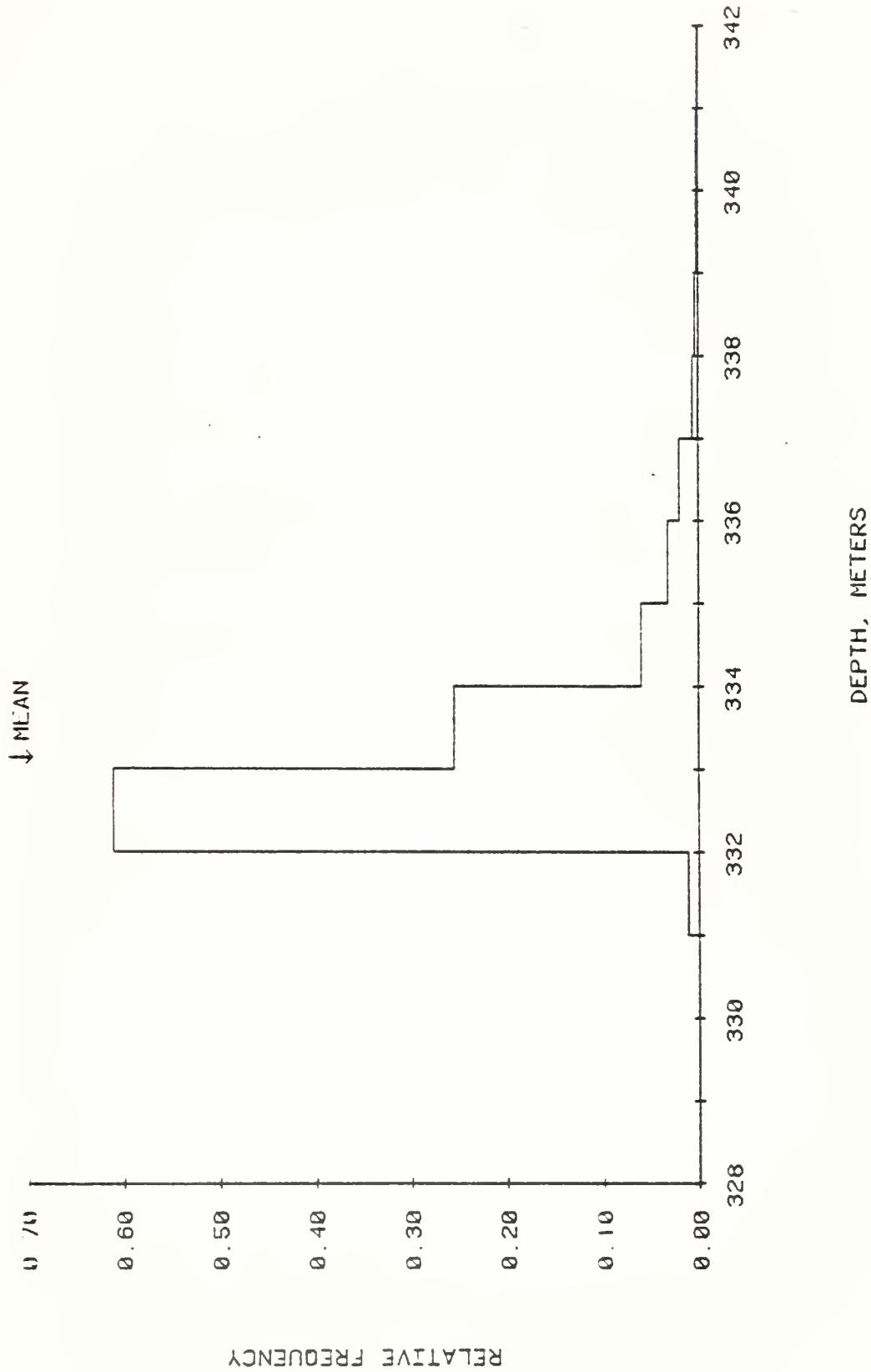
356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



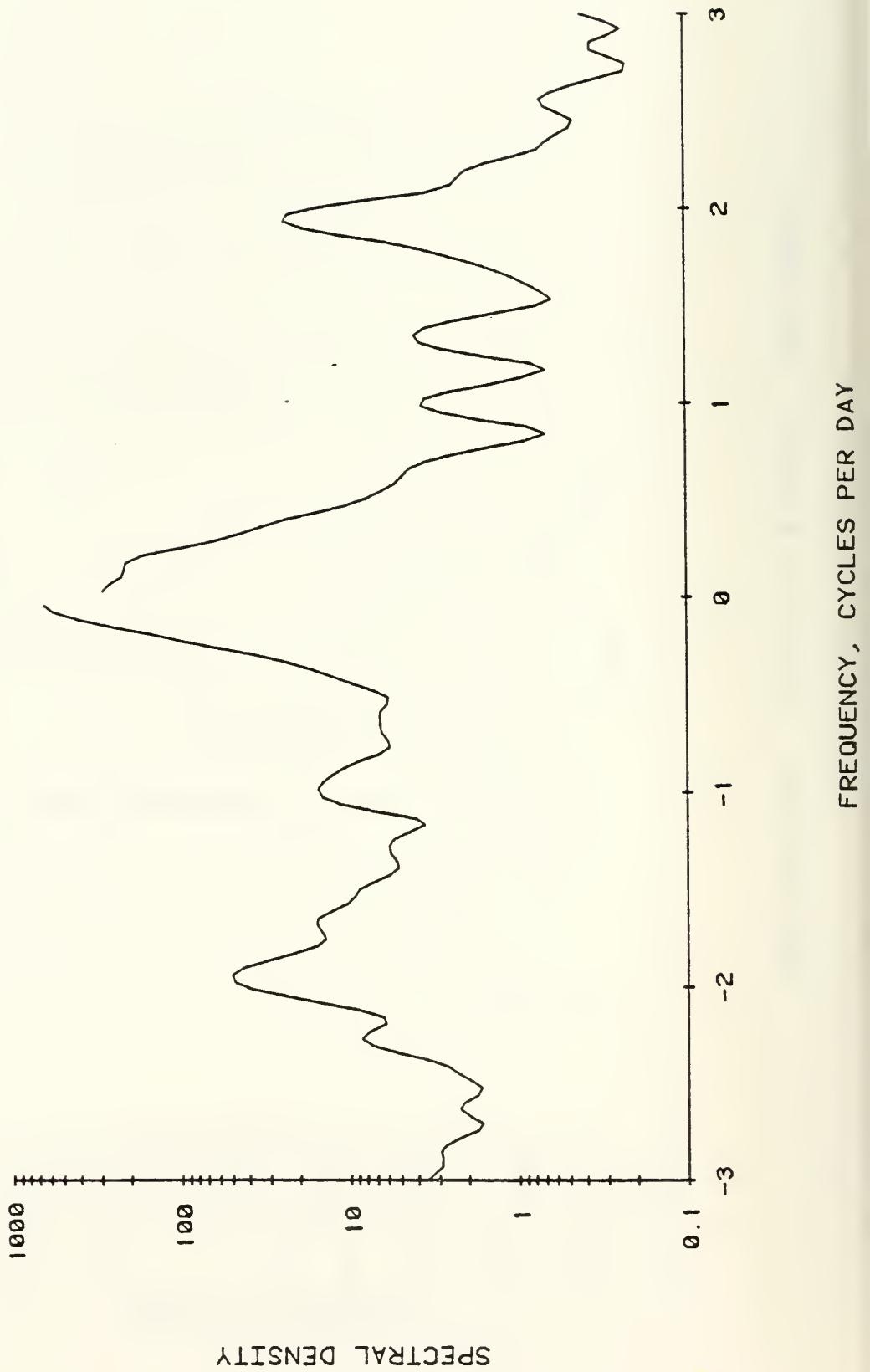
555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.



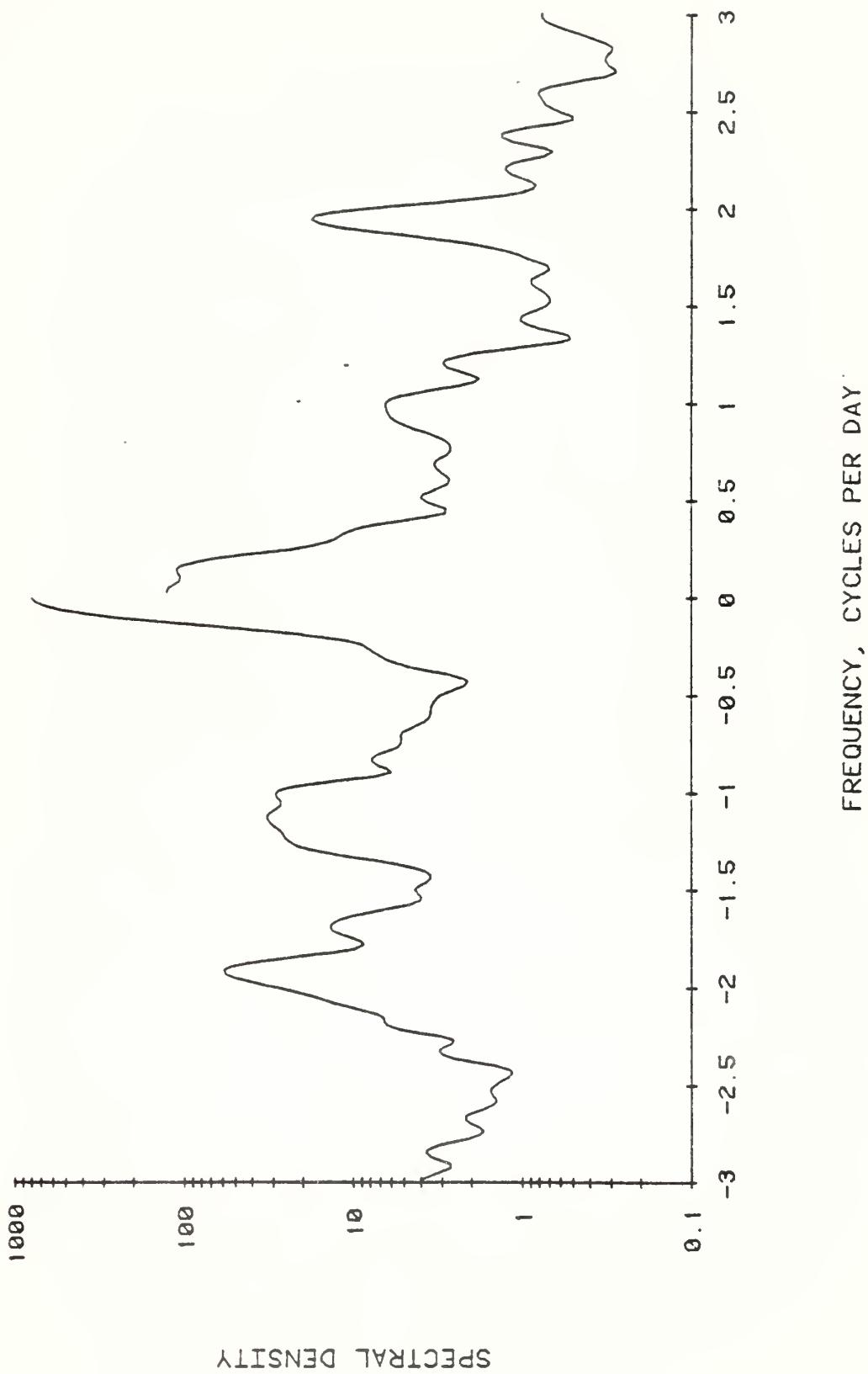
356 M AT SIN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



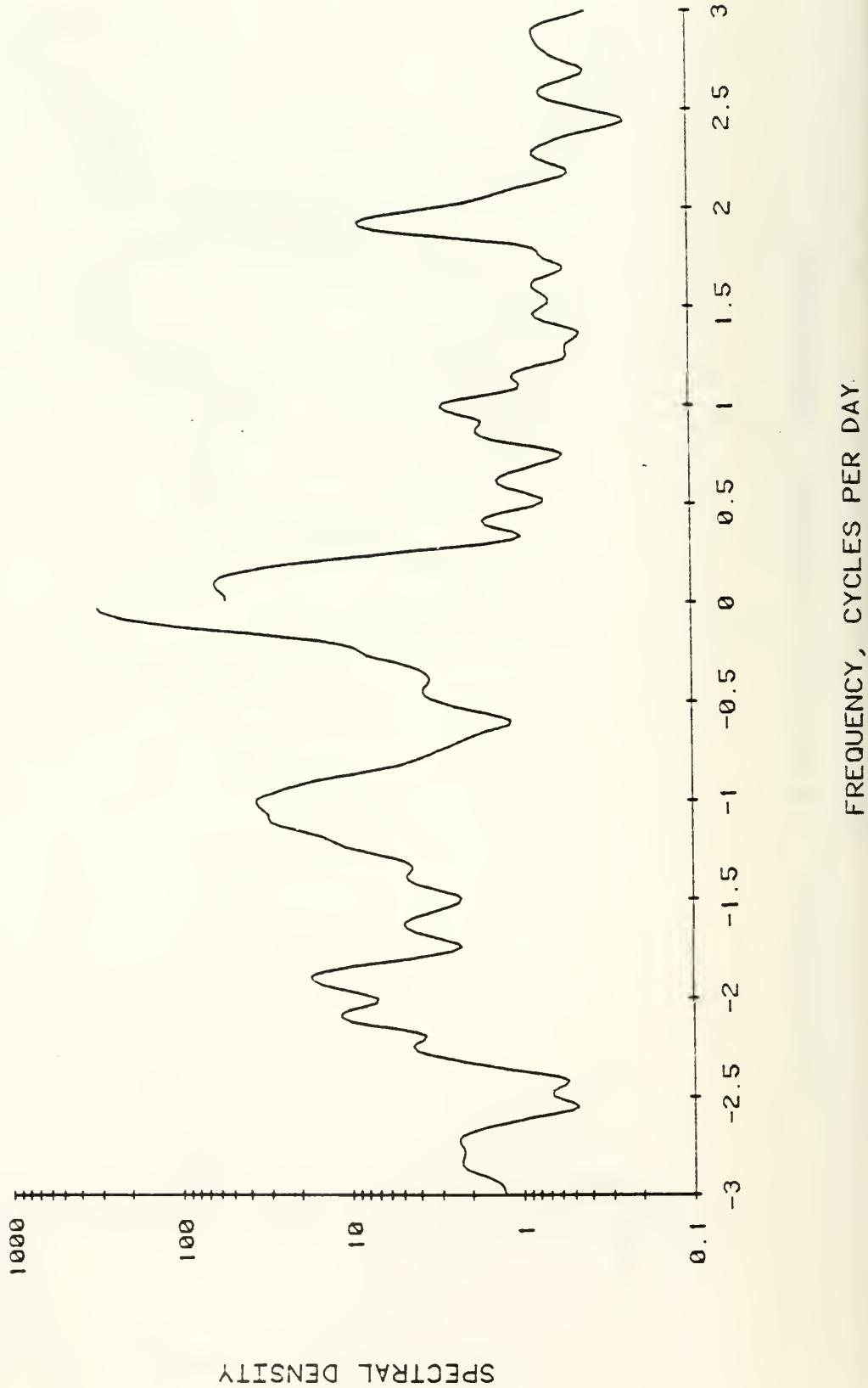
158 M AT STN 7 . 9 JUL 79 - 6 AUG 79 . TAPE 2760/D.



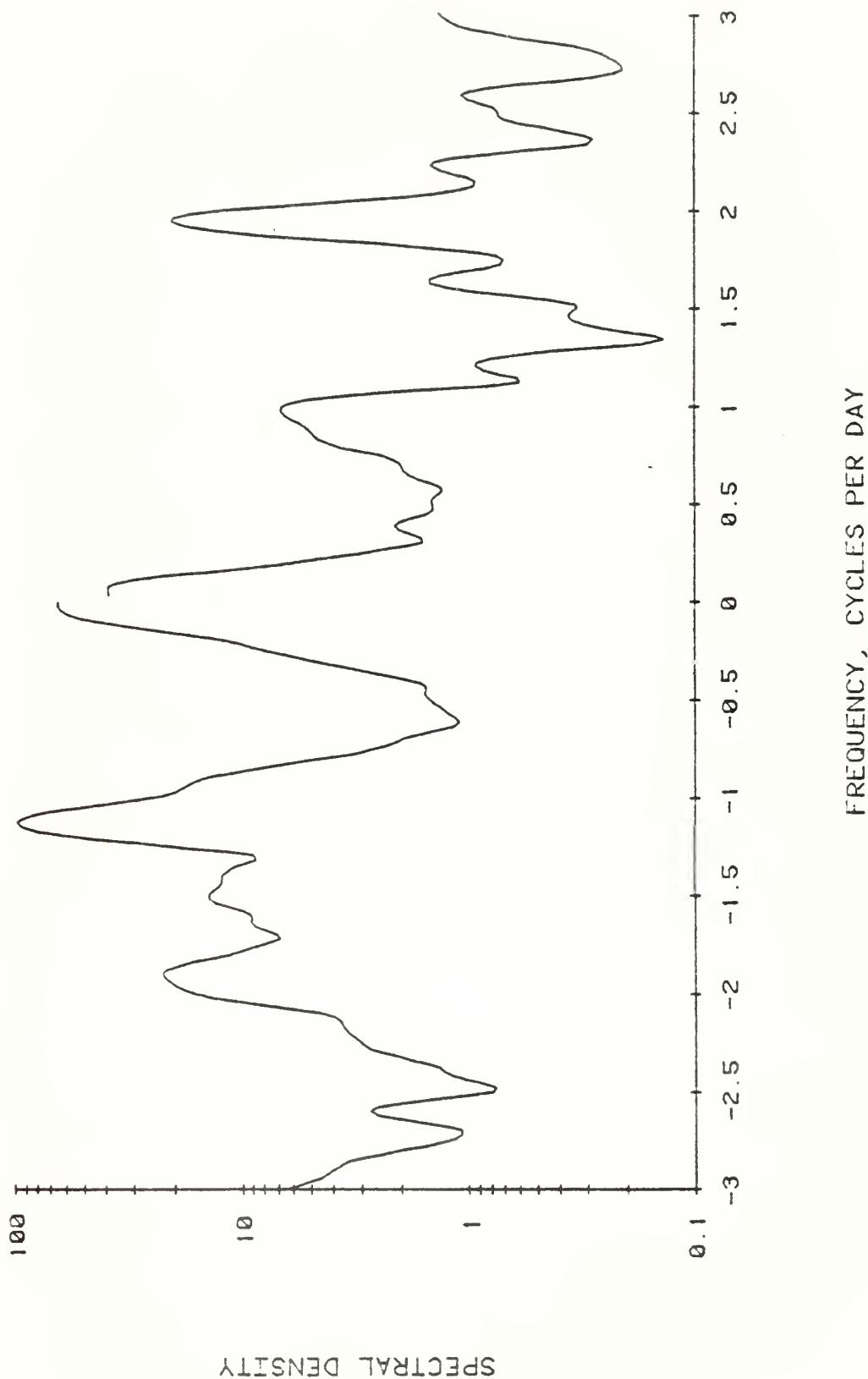
231 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 842/9.



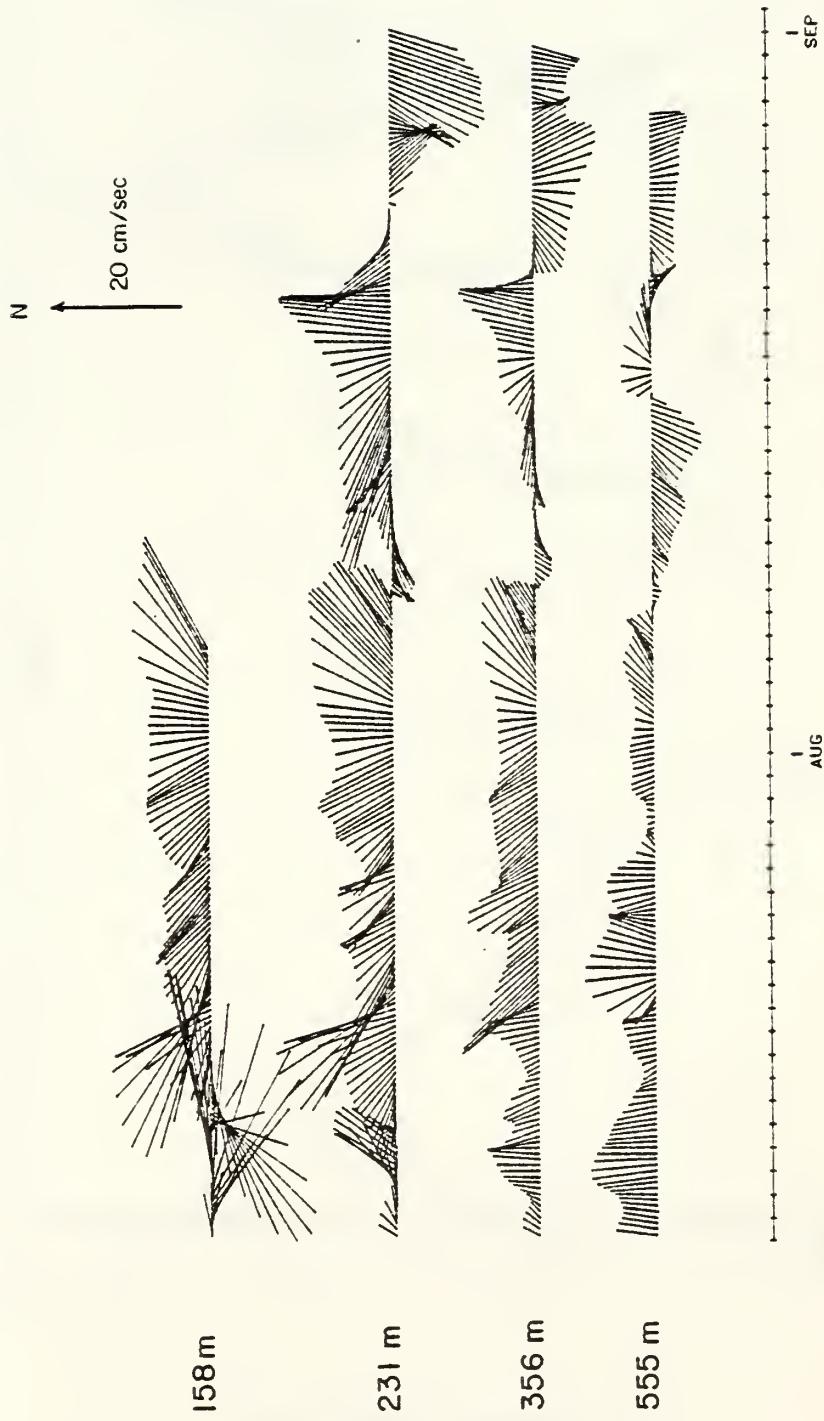
356 M AT STN 7. 9 JUL 79 - 2 SEP 79. TAPE 762/12.



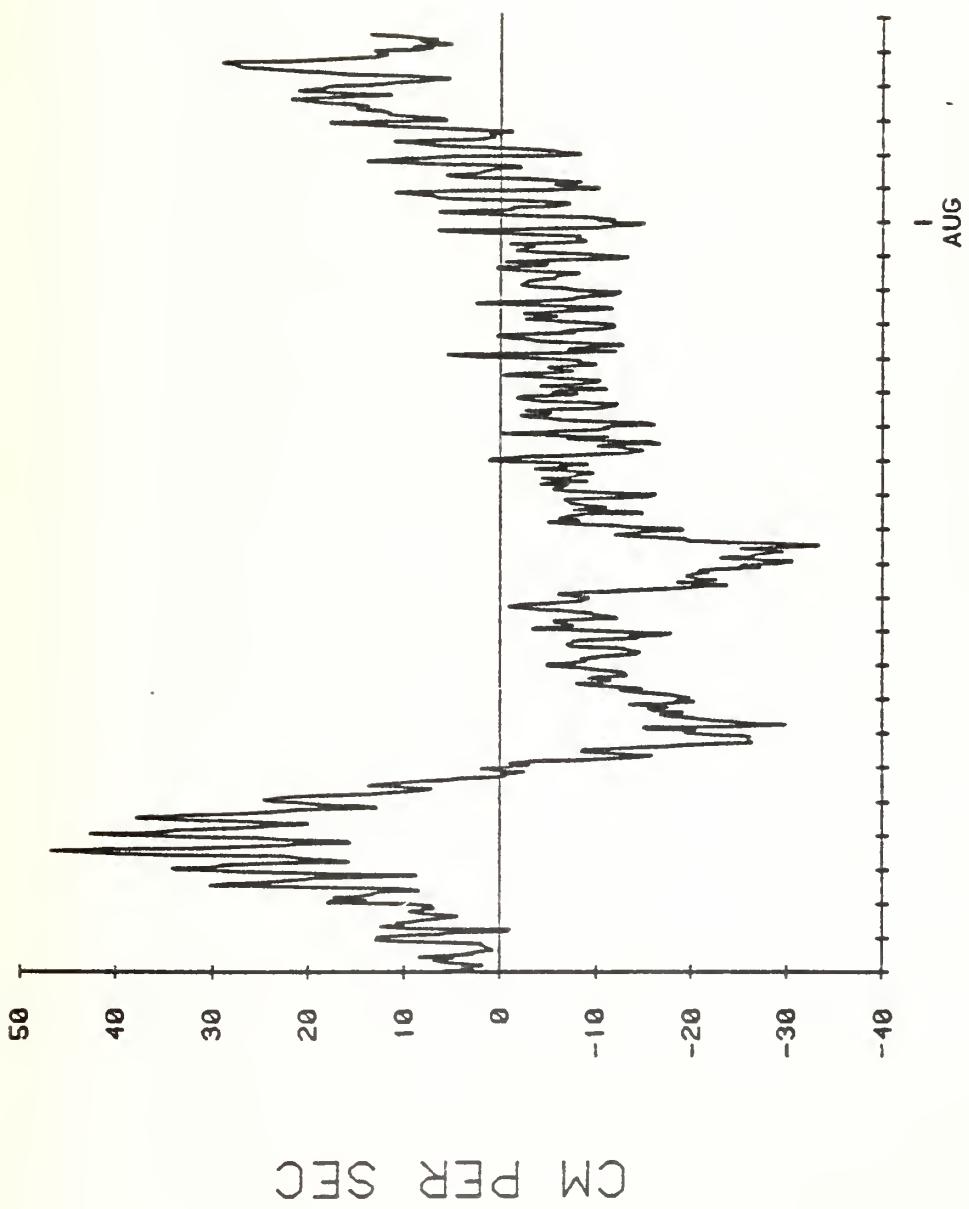
555 M AT STN 7. 9 JUL 79 - 29 AUG 79. TAPE 1495/4.



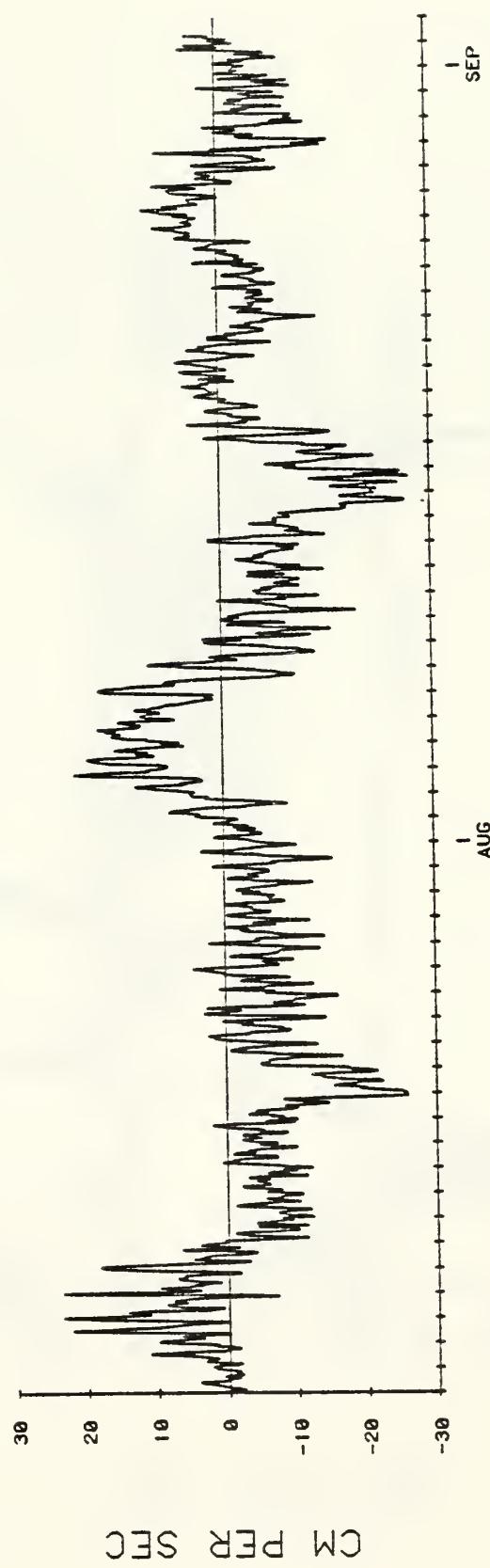
LLP FILTERED CURRENT AT STATION 7. JULY - SEPTEMBER 1979.



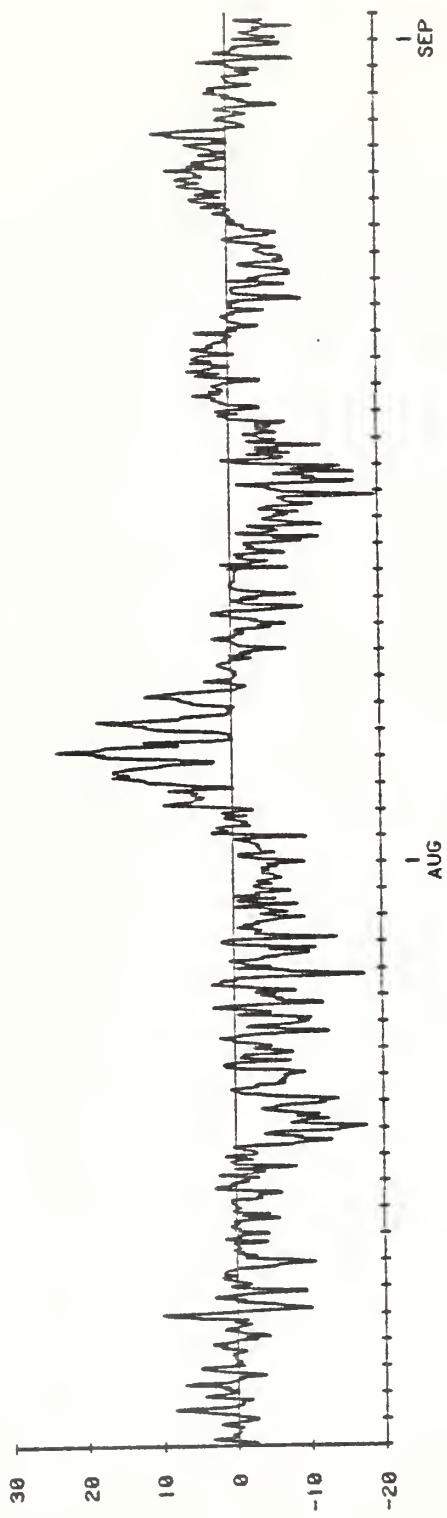
U COMPONENT. 158 M AT STN 7.



U COMPONENT. 231 M AT STN 7.



CM PER SEC

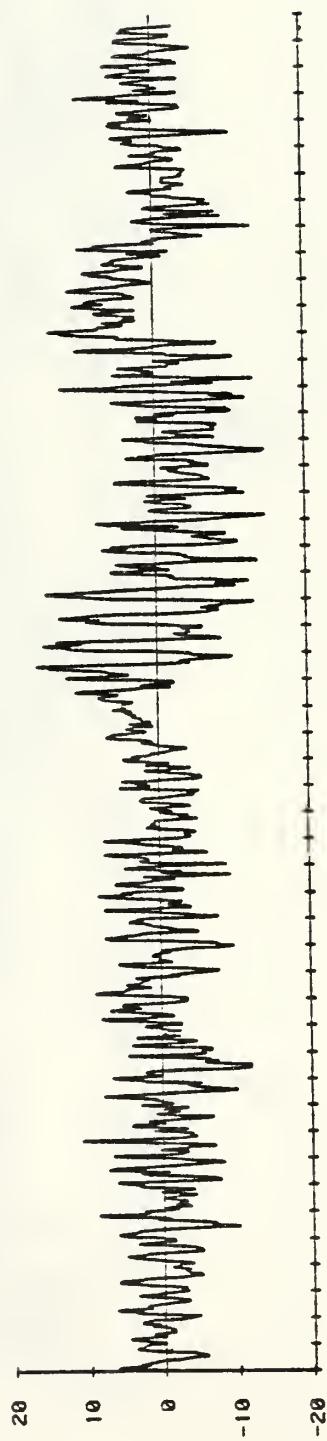


U COMPONENT . 356 M AT STN 7 .

CM PER SEC

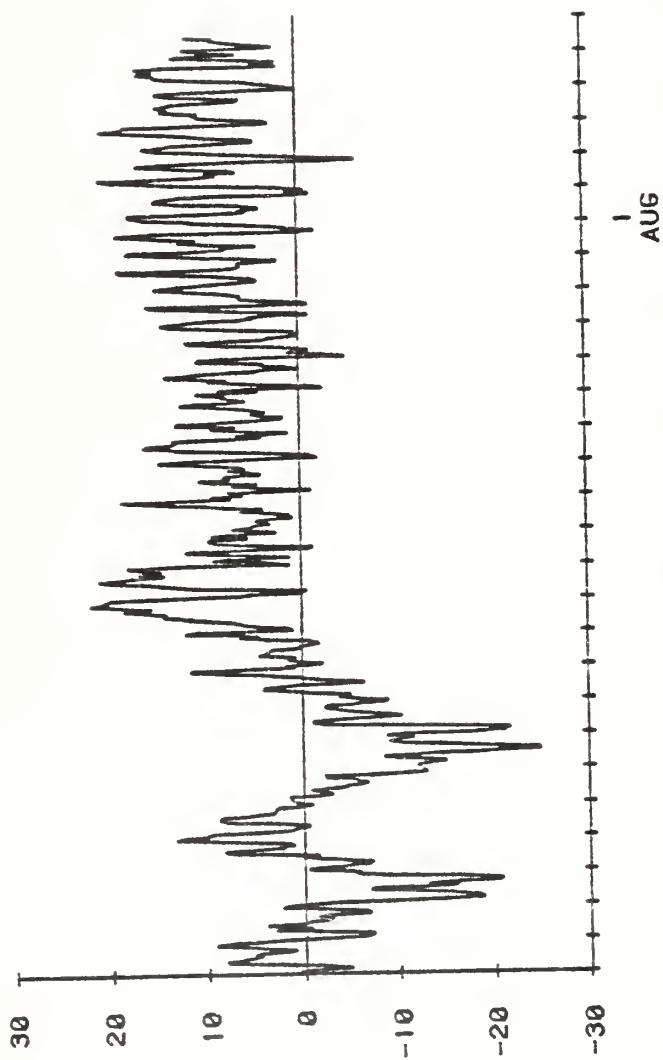
U COMPONENT . 555 M AT STN 7.

AUG



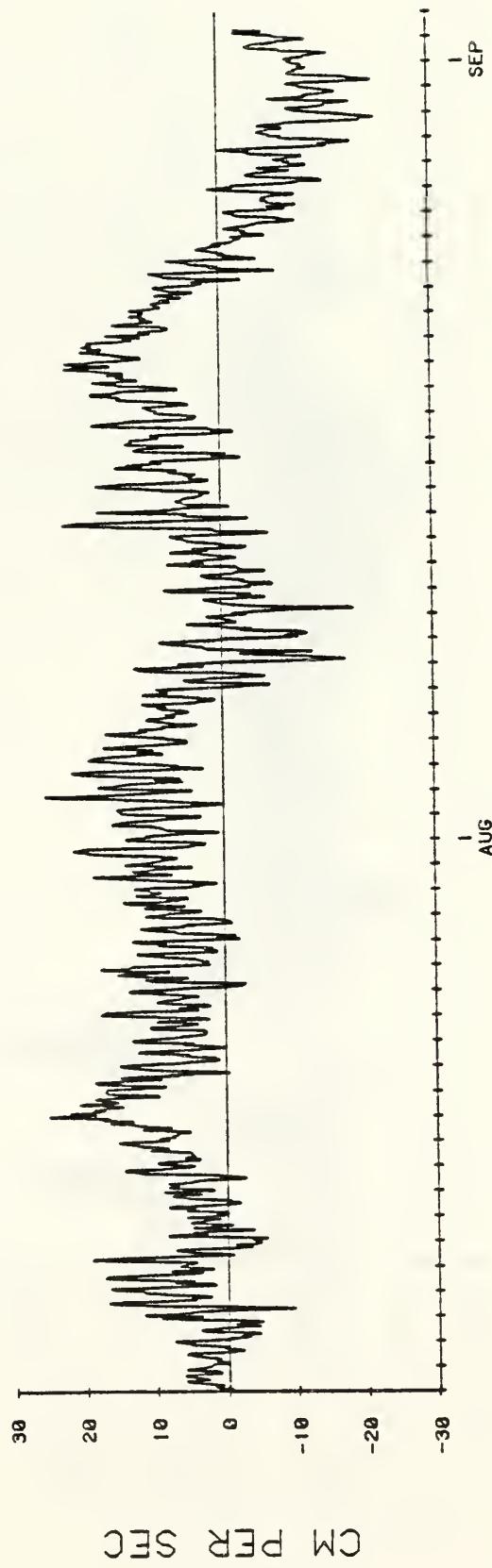
CM PER SEC

V COMPONENT 158 M AT STN 7.



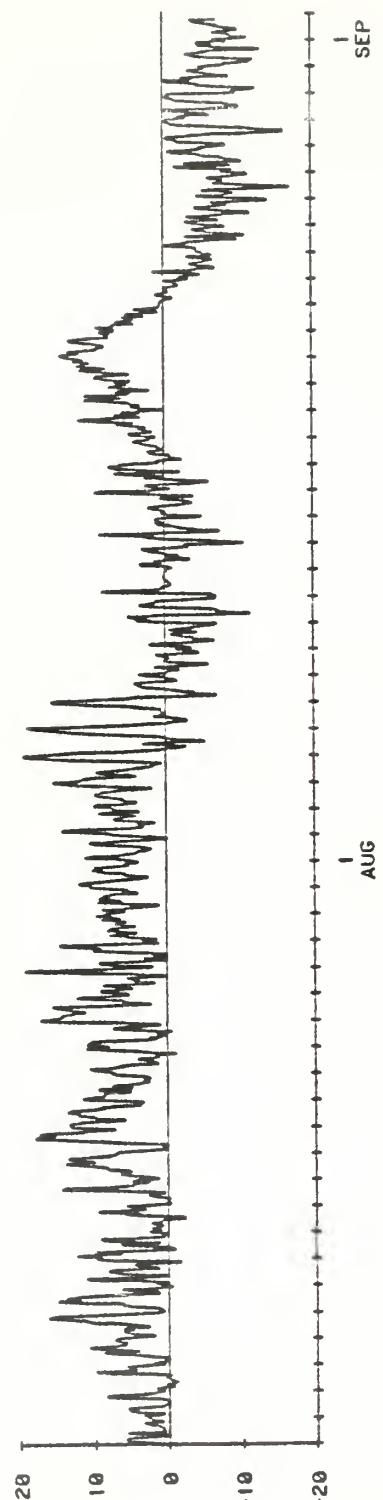
CM PER SEC

V COMPONENT . 231 M AT STN 7.



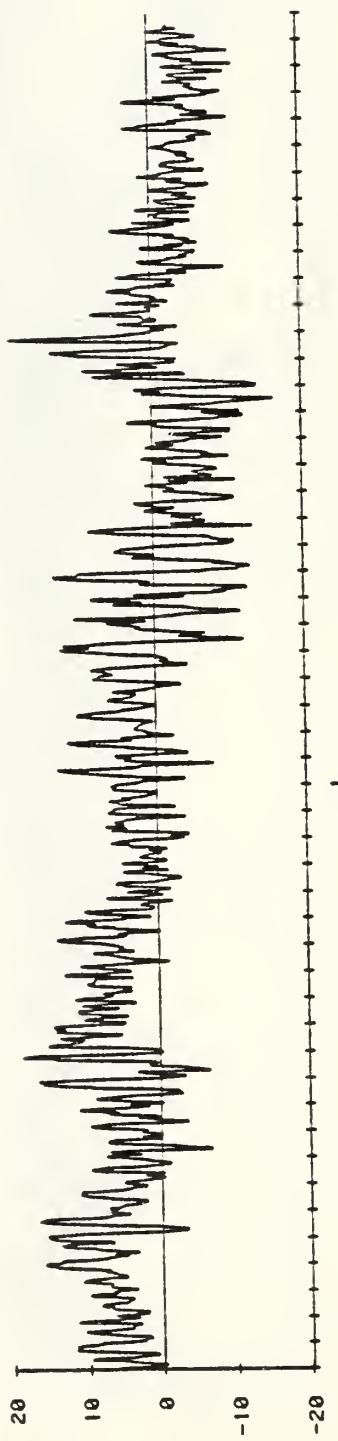
CM PER SEC

V COMPONENT. 356 M AT STN 7.



V COMPONENT . 555 M AT STN 7.

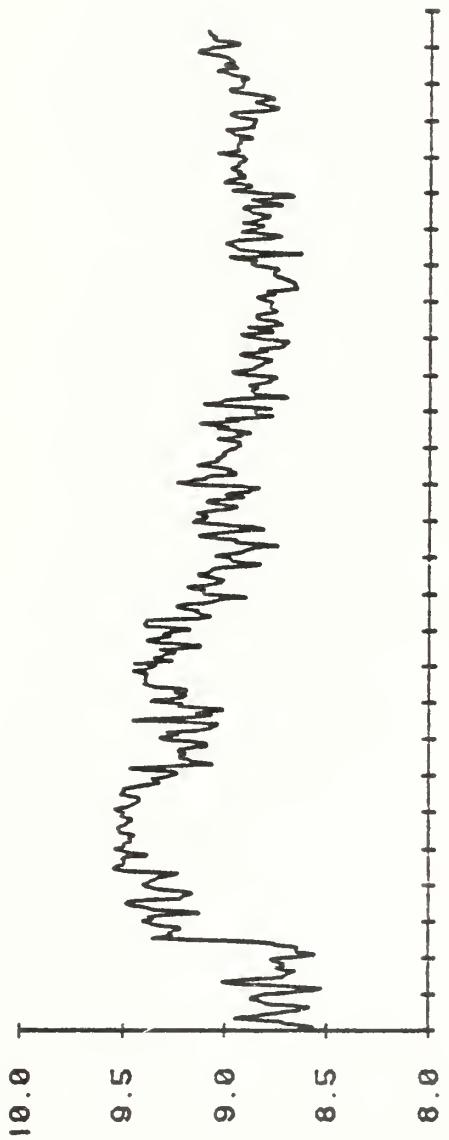
AUG
1



CM PER SEC

TEMPERATURE . 158 M AT STN 7 .

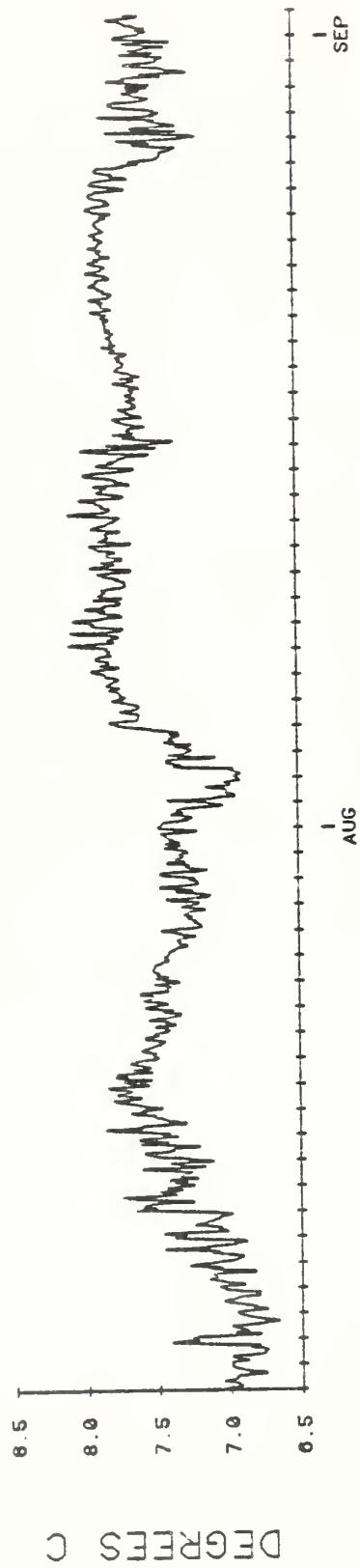
1 AUG

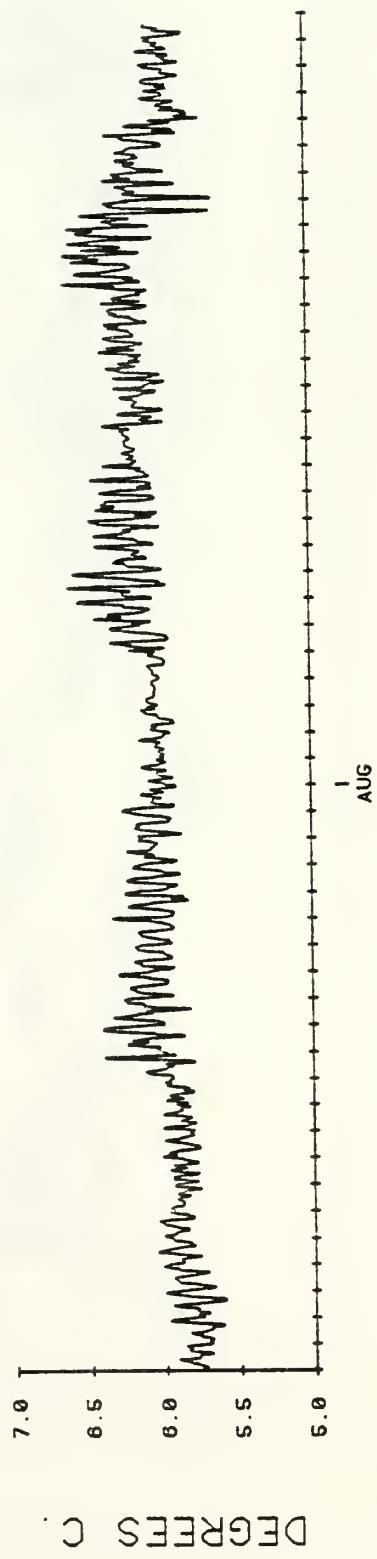




TEMPERATURE . 231 M AT STN 7 .

TEMPERATURE . 356 M AT STN 7.





TEMPERATURE . 555 M AT STN 7.

STATION 2 - 35° 52.3'N, 121° 33.6'W
 23 JUL 79 - 16 SEP 79

Record #20, Depth 165 m

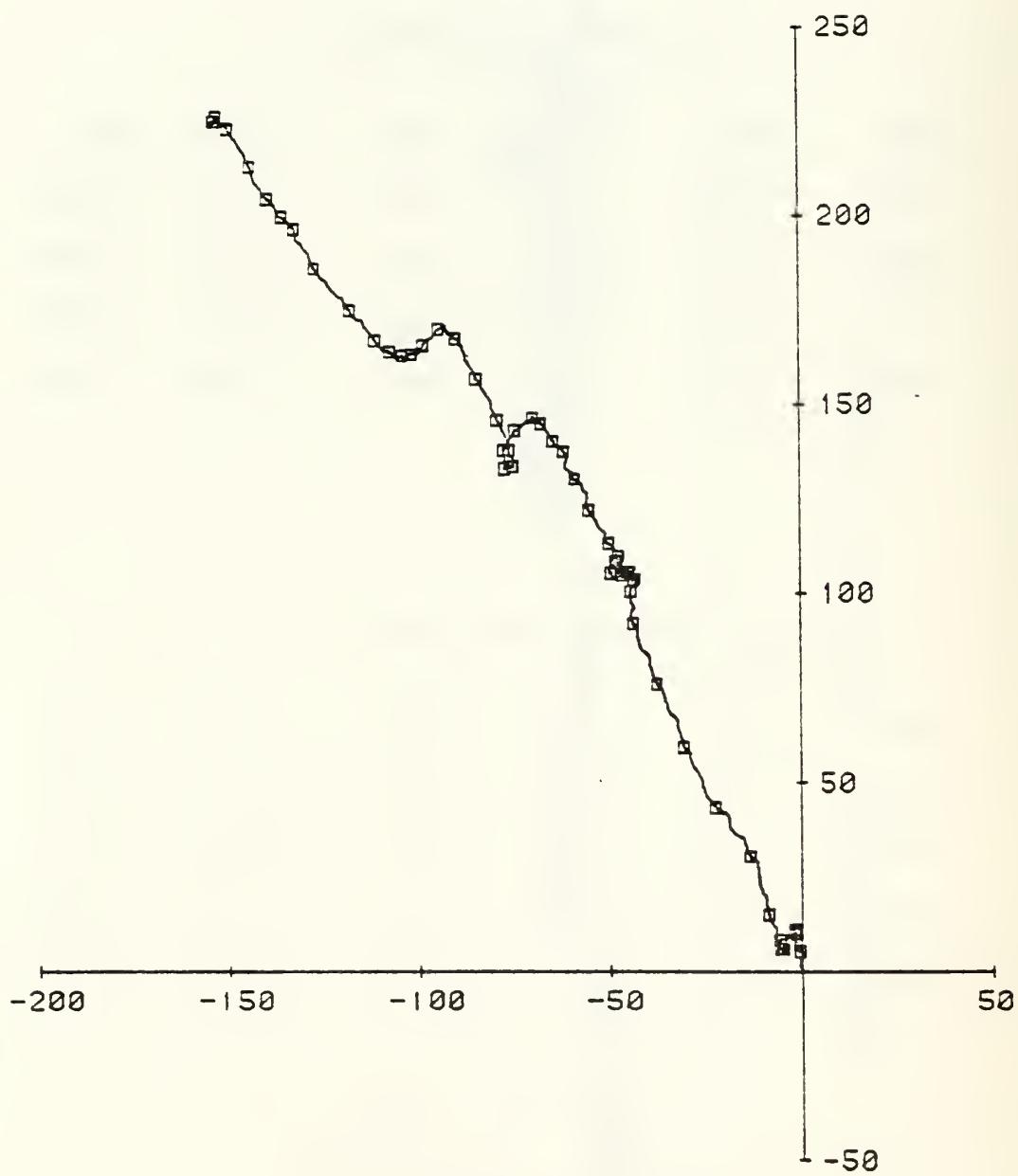
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	9.71	6.35	0.90	3.42	0.80	34.00	7828
U(cm/s)	-3.28	5.77	-0.14	3.34	-27.60	17.60	7828
V(cm/s)	4.78	8.22	0.39	2.89	-21.20	30.50	7828
T(°C)	8.94	0.16	0.38	3.68	8.45	9.78	7828

Record #21, Depth 237 m

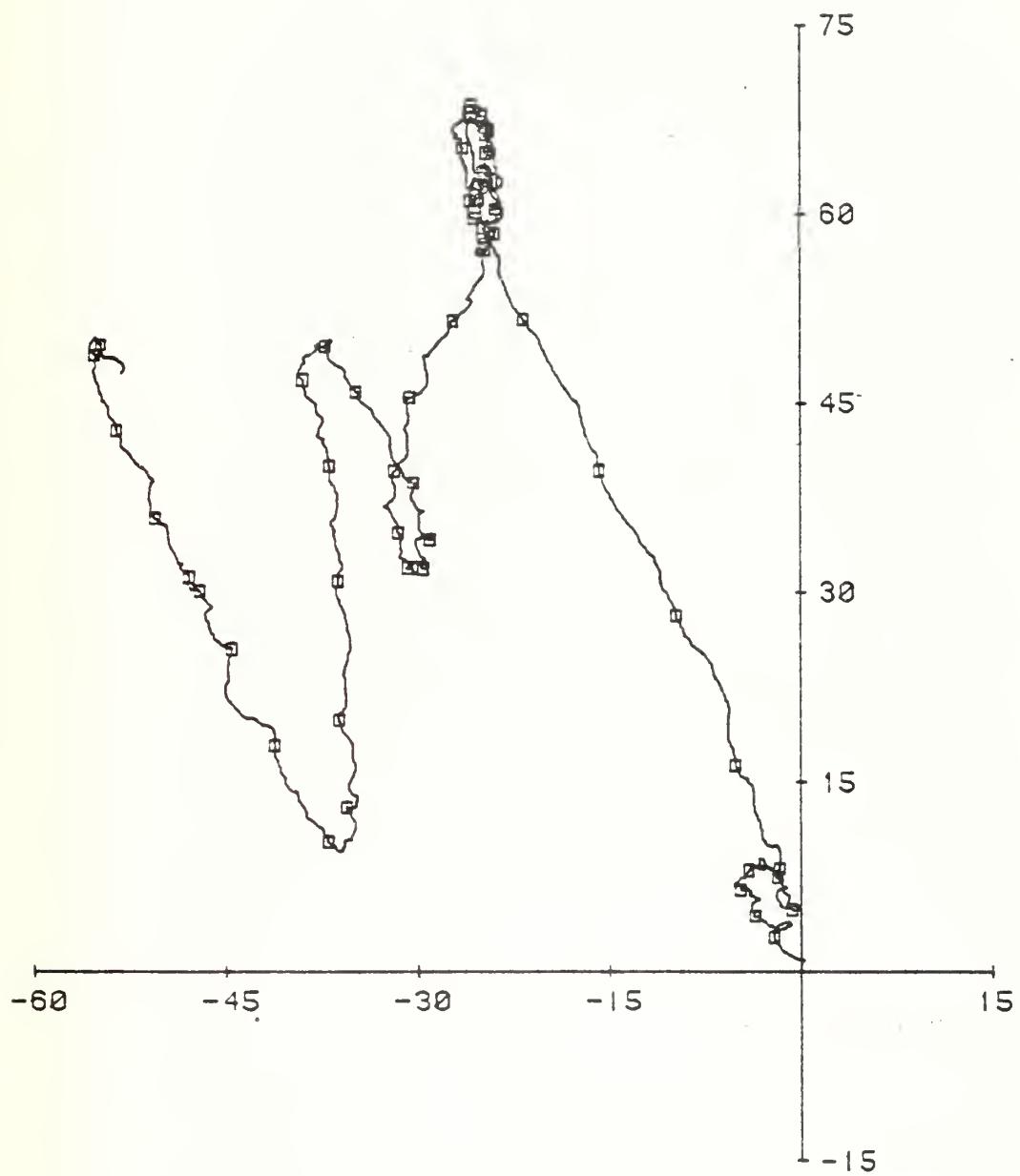
S(cm/s)	8.09	4.73	0.67	3.18	0.80	31.20	7661
U(cm/s)	-1.16	5.17	-0.03	2.93	-18.30	16.20	7661
V(cm/s)	1.02	7.66	0.14	2.87	-21.10	31.20	7661
T(°C)	8.50	0.16	0.05	3.10	7.97	9.04	7661
Z(meters)	244.51	0.30	0.39	4.36	243.70	246.30	7661

Record #22, Depth 360 m

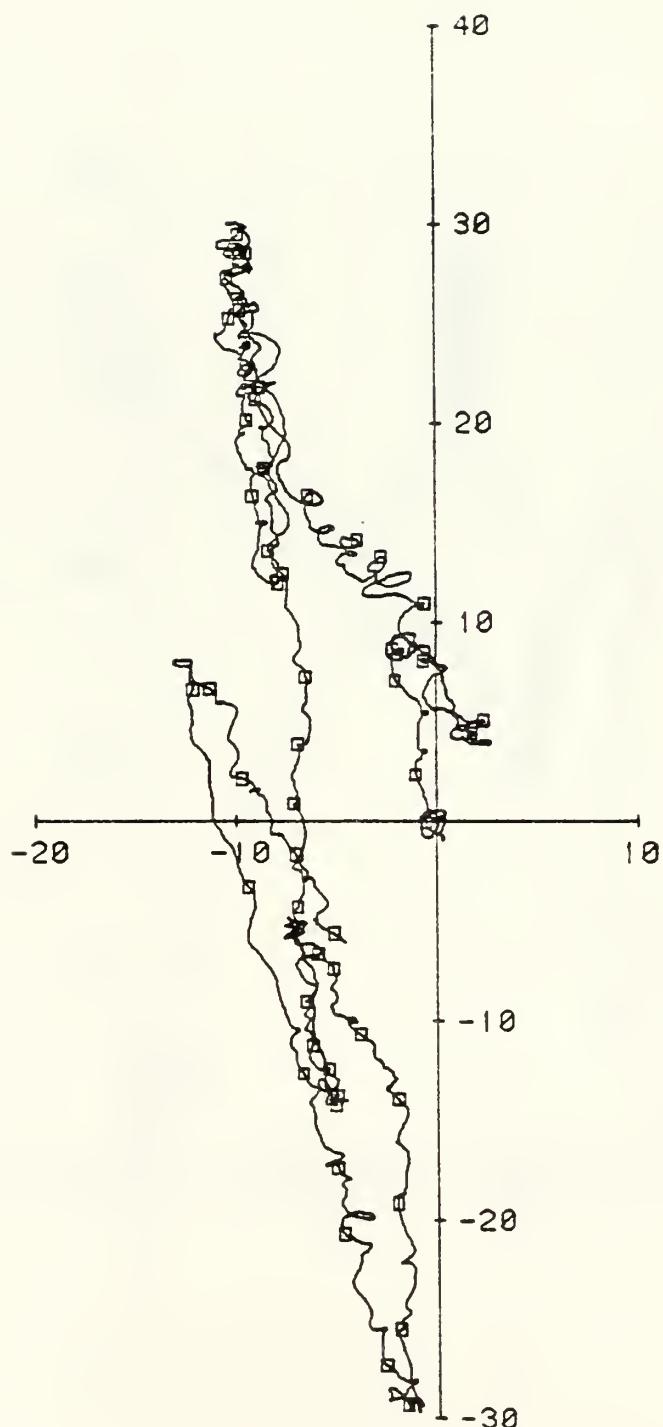
S(cm/s)	7.93	4.81	0.81	3.57	0.80	29.80	7870
U(cm/s)	-0.10	5.18	-0.04	3.80	-28.90	26.00	7870
V(cm/s)	-0.13	6.91	0.16	3.40	-26.10	25.60	7870
T(°C)	7.48	0.24	-0.39	3.22	6.56	8.17	7870



165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.

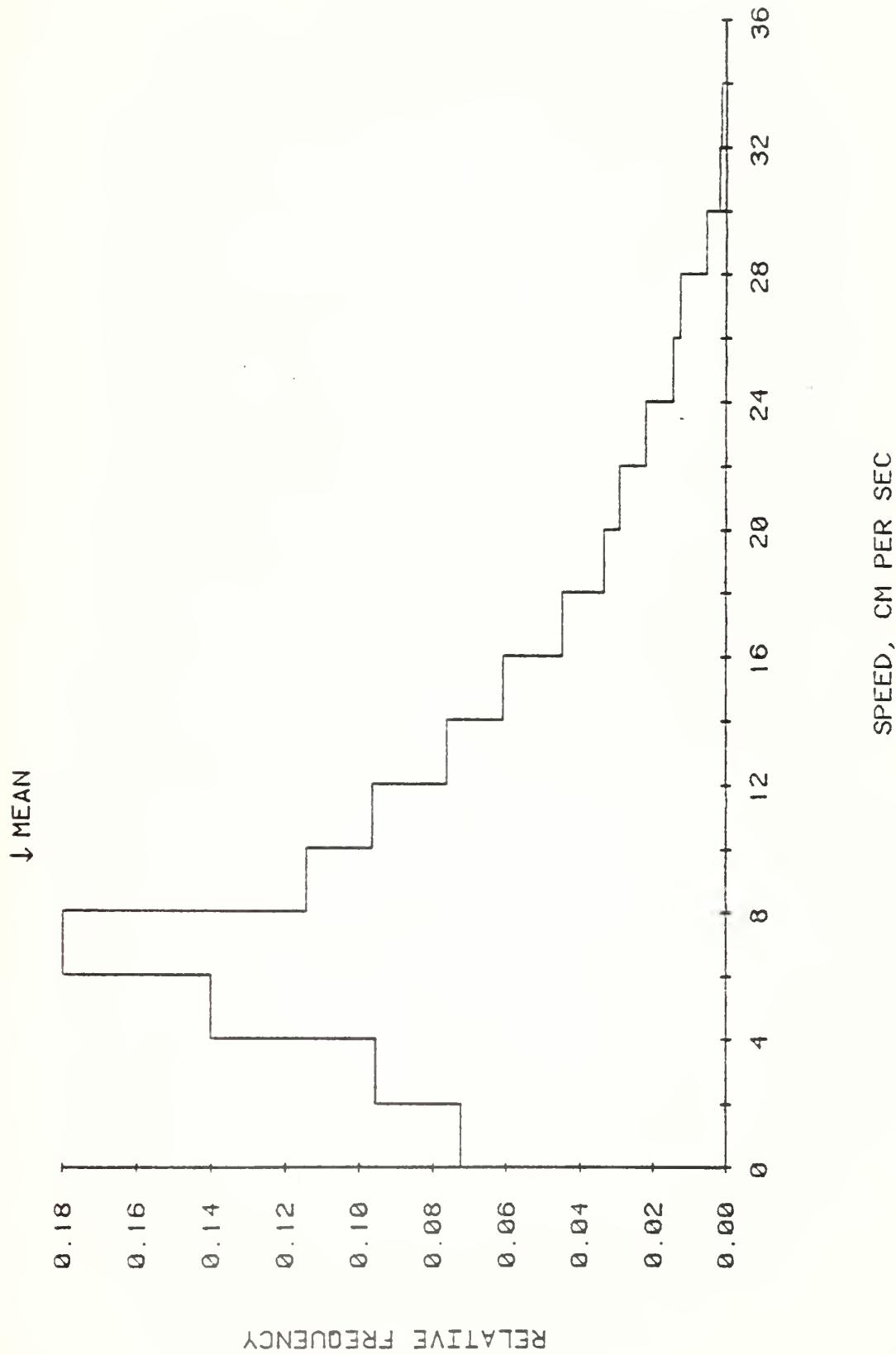


237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.

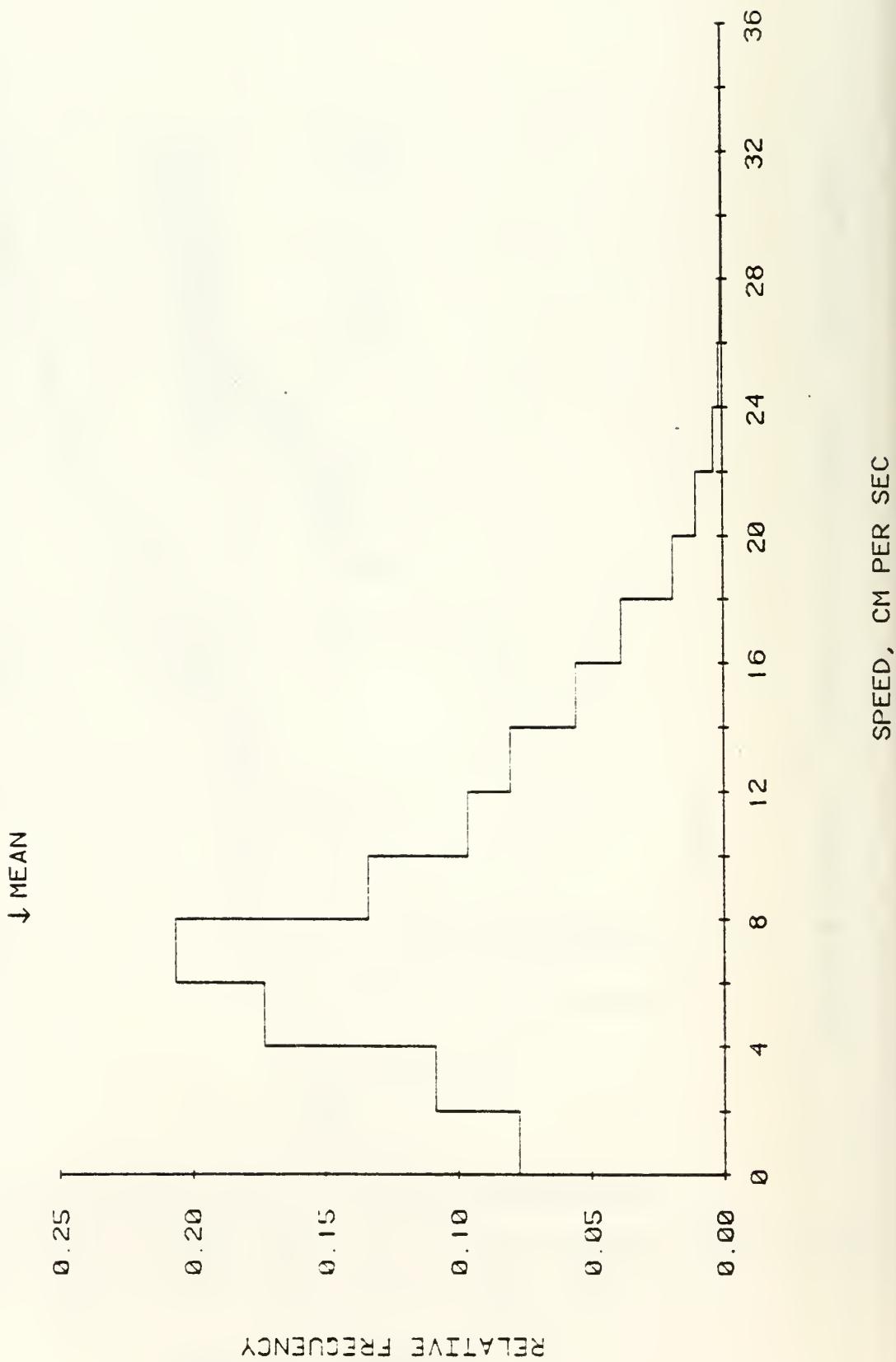


360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D

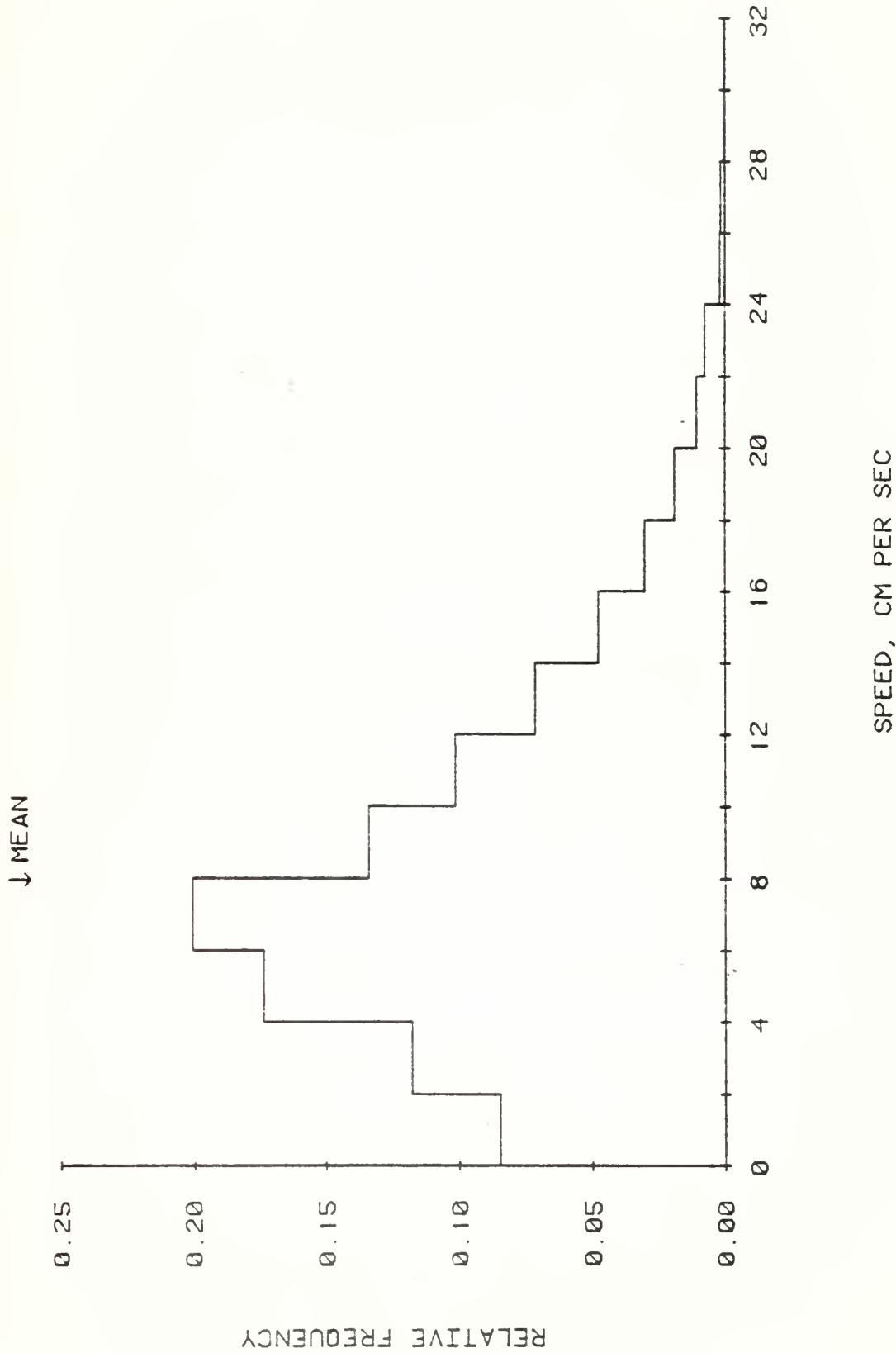
165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.



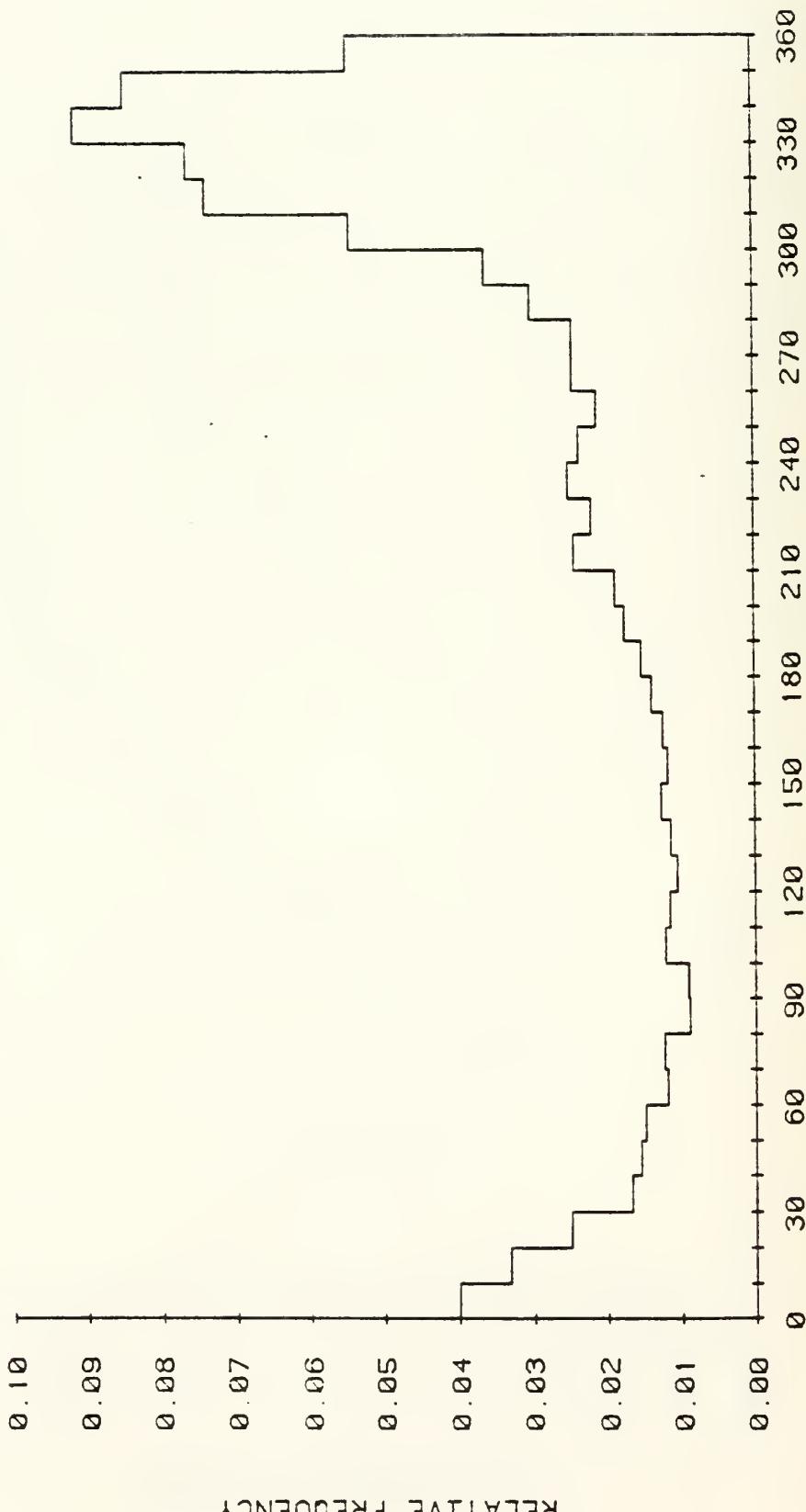
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.

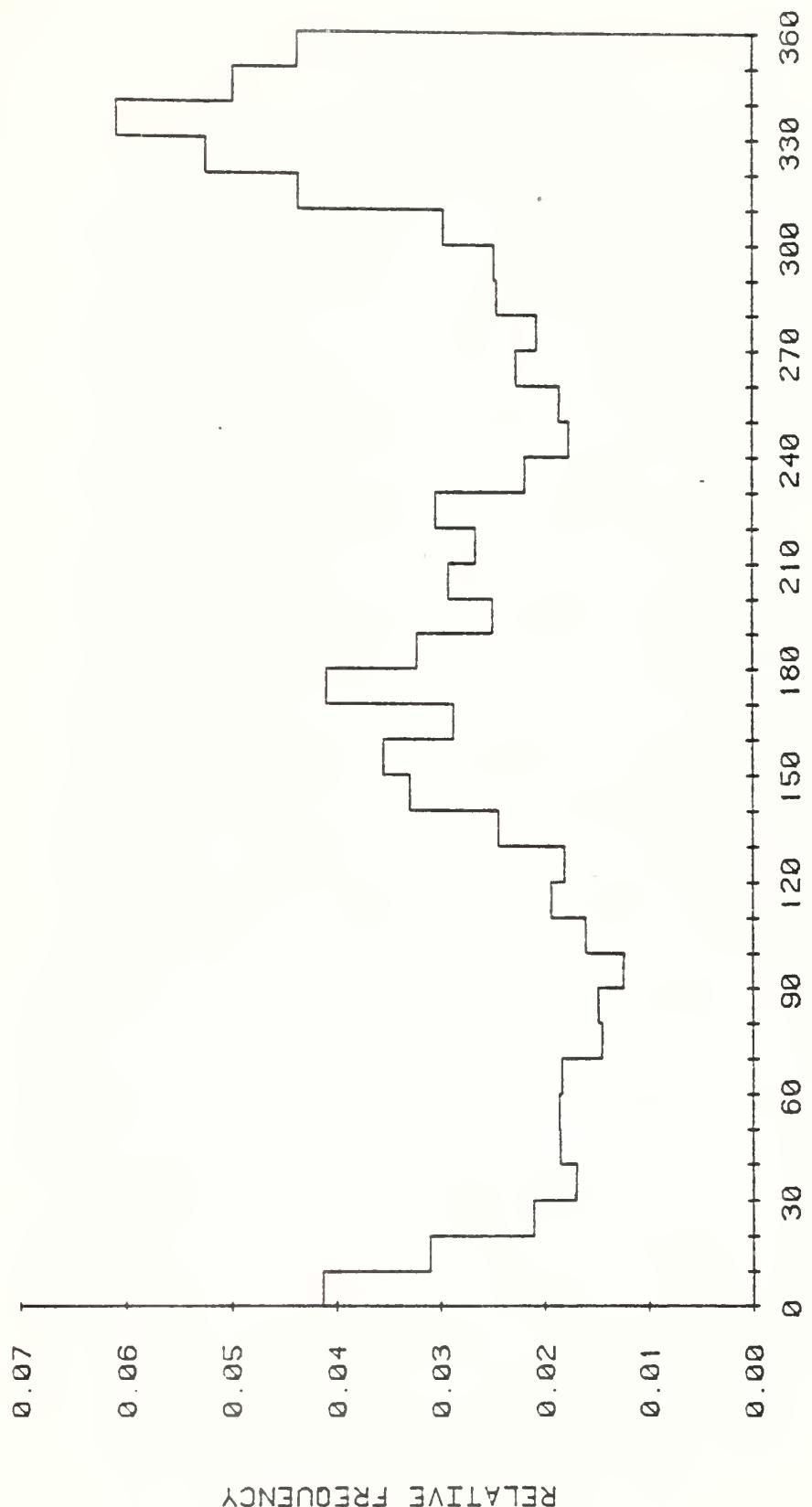


165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.

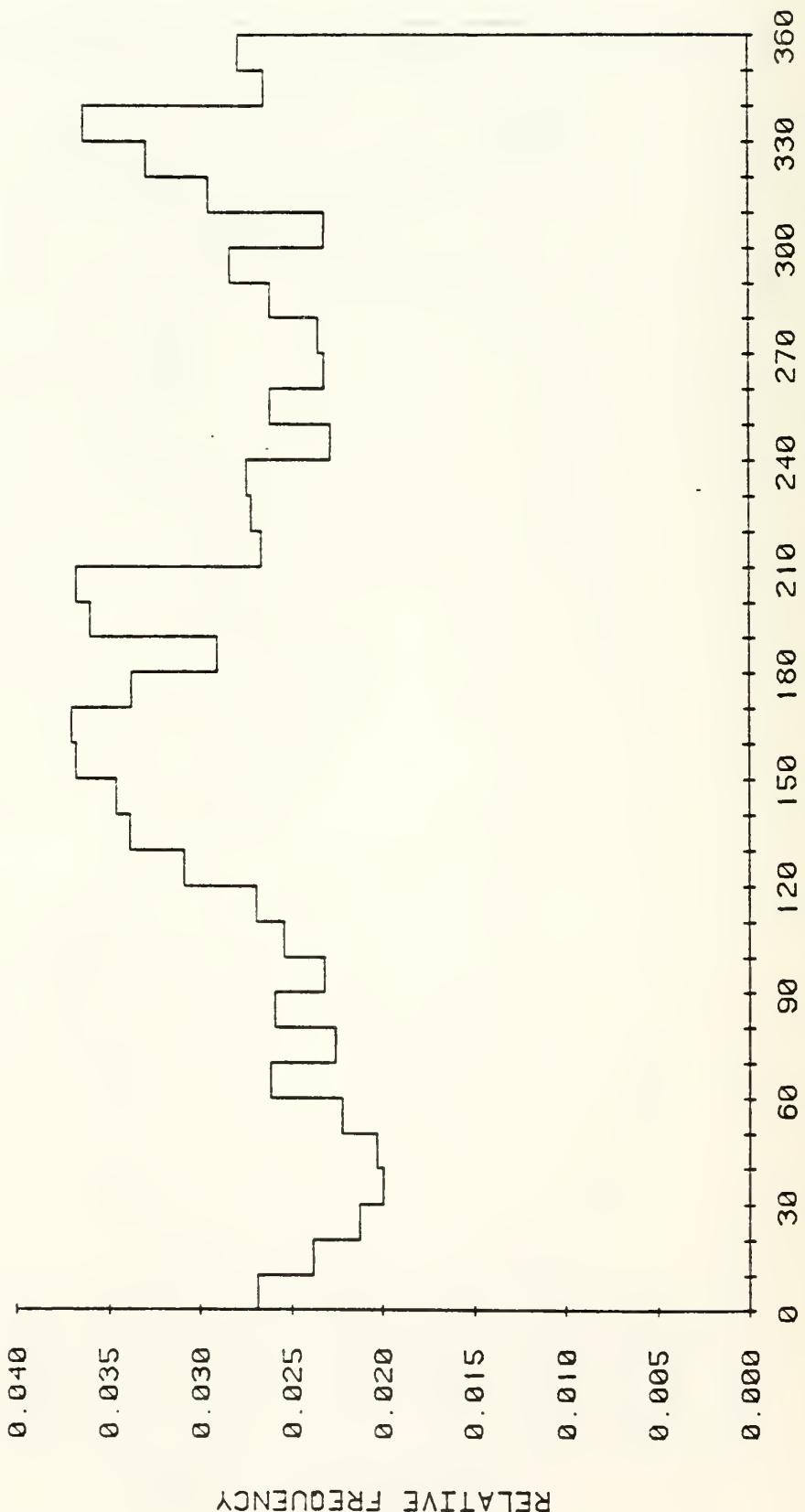


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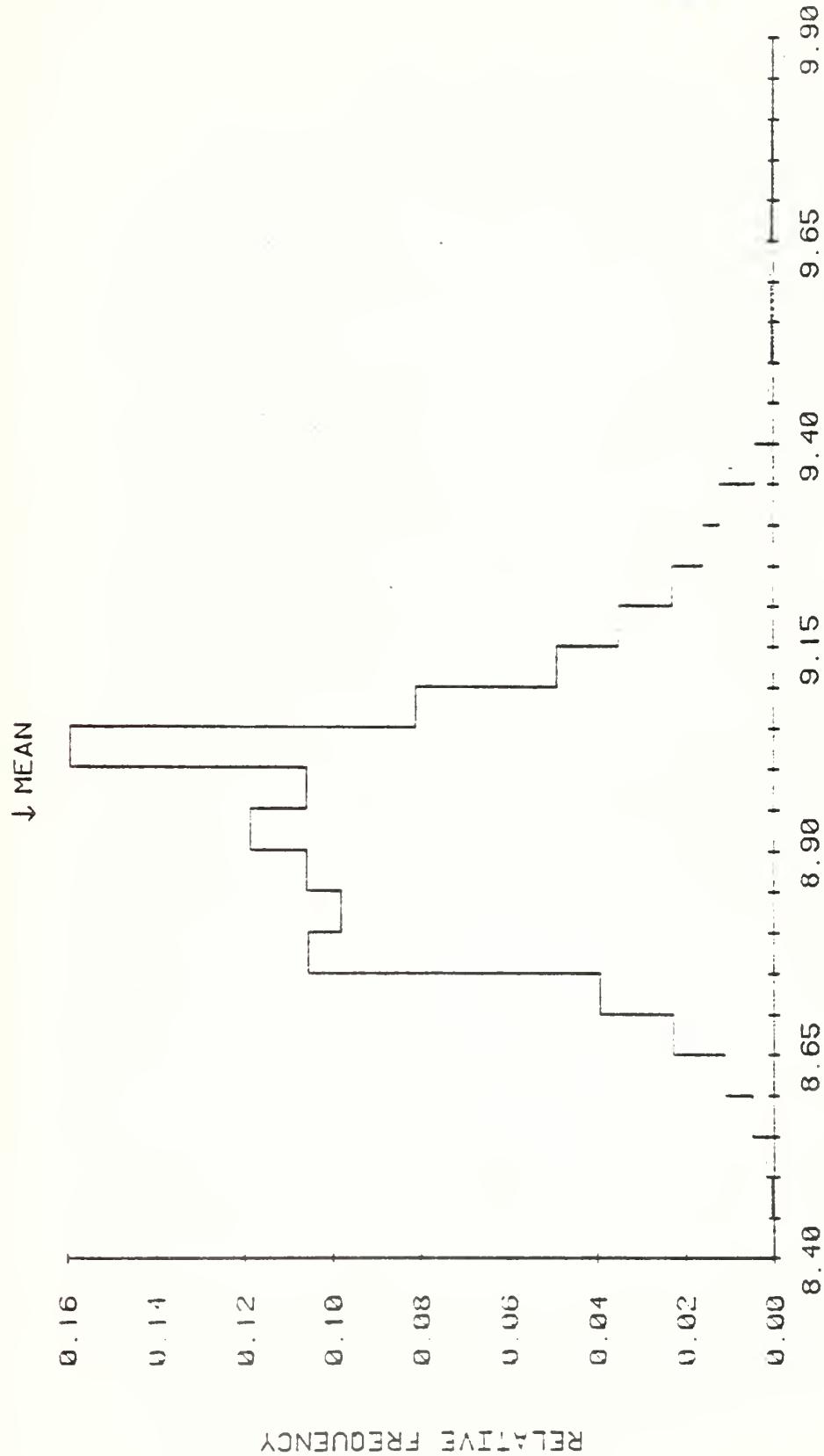
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



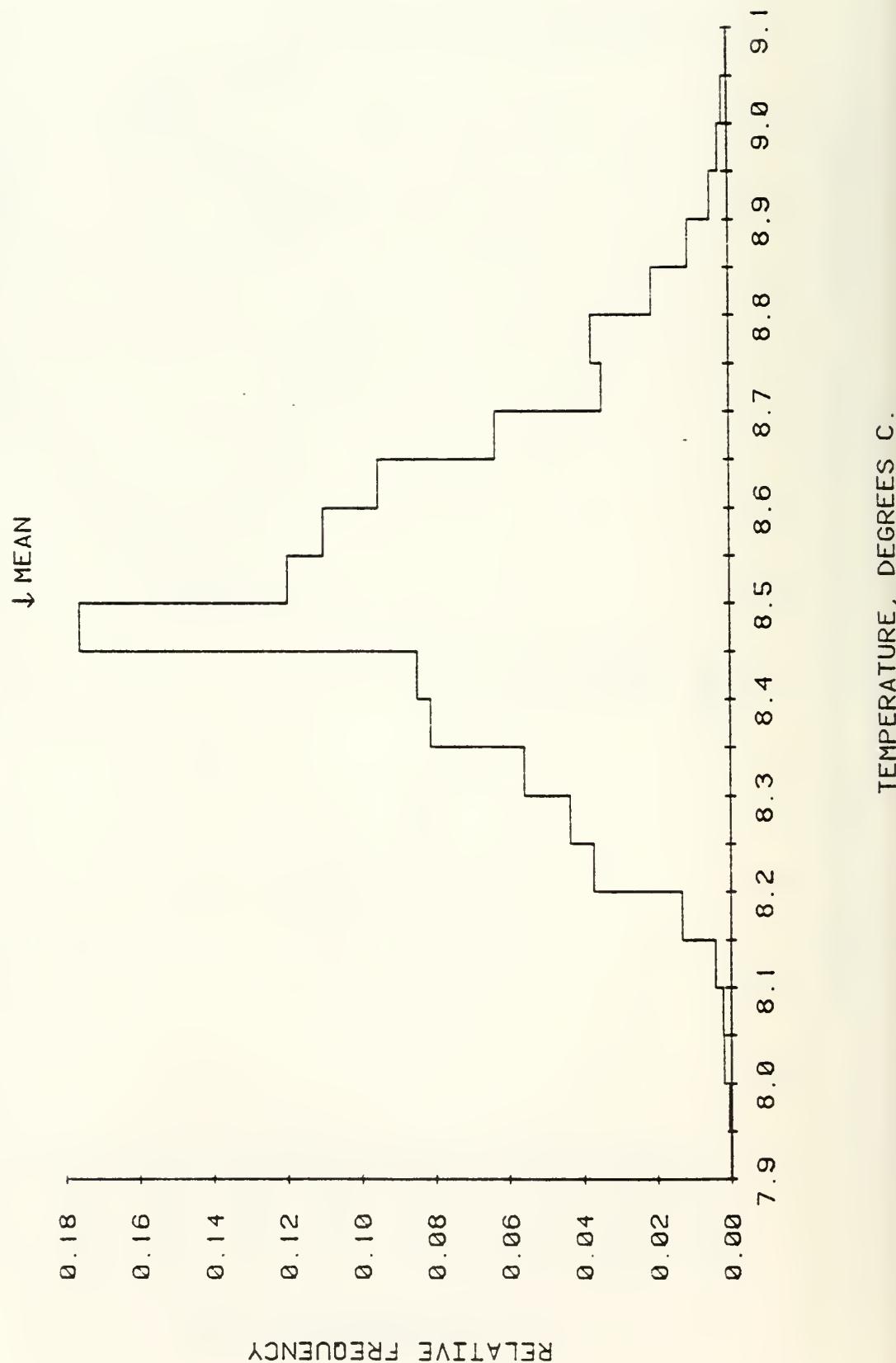
360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.



165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.

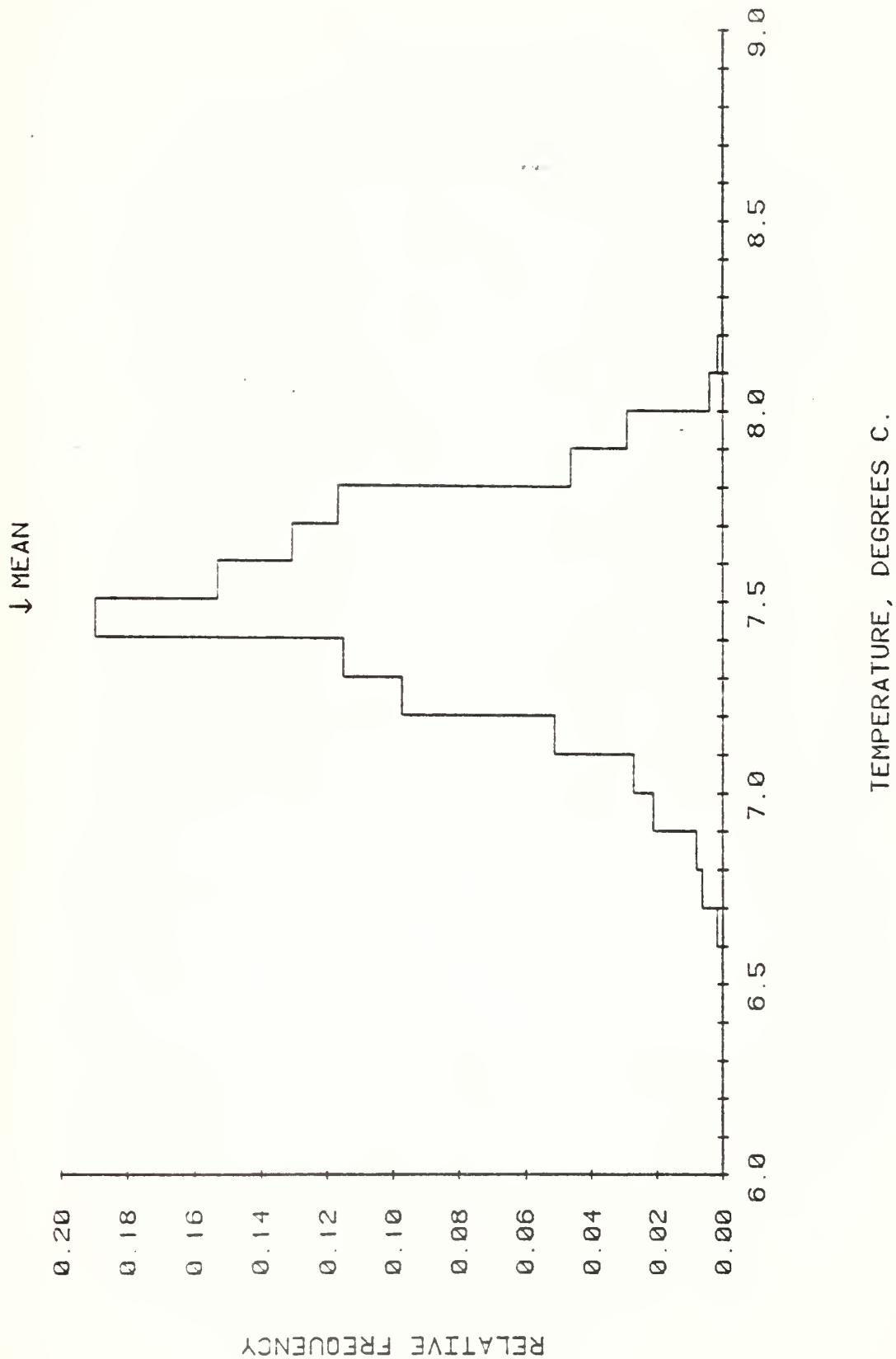


237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.

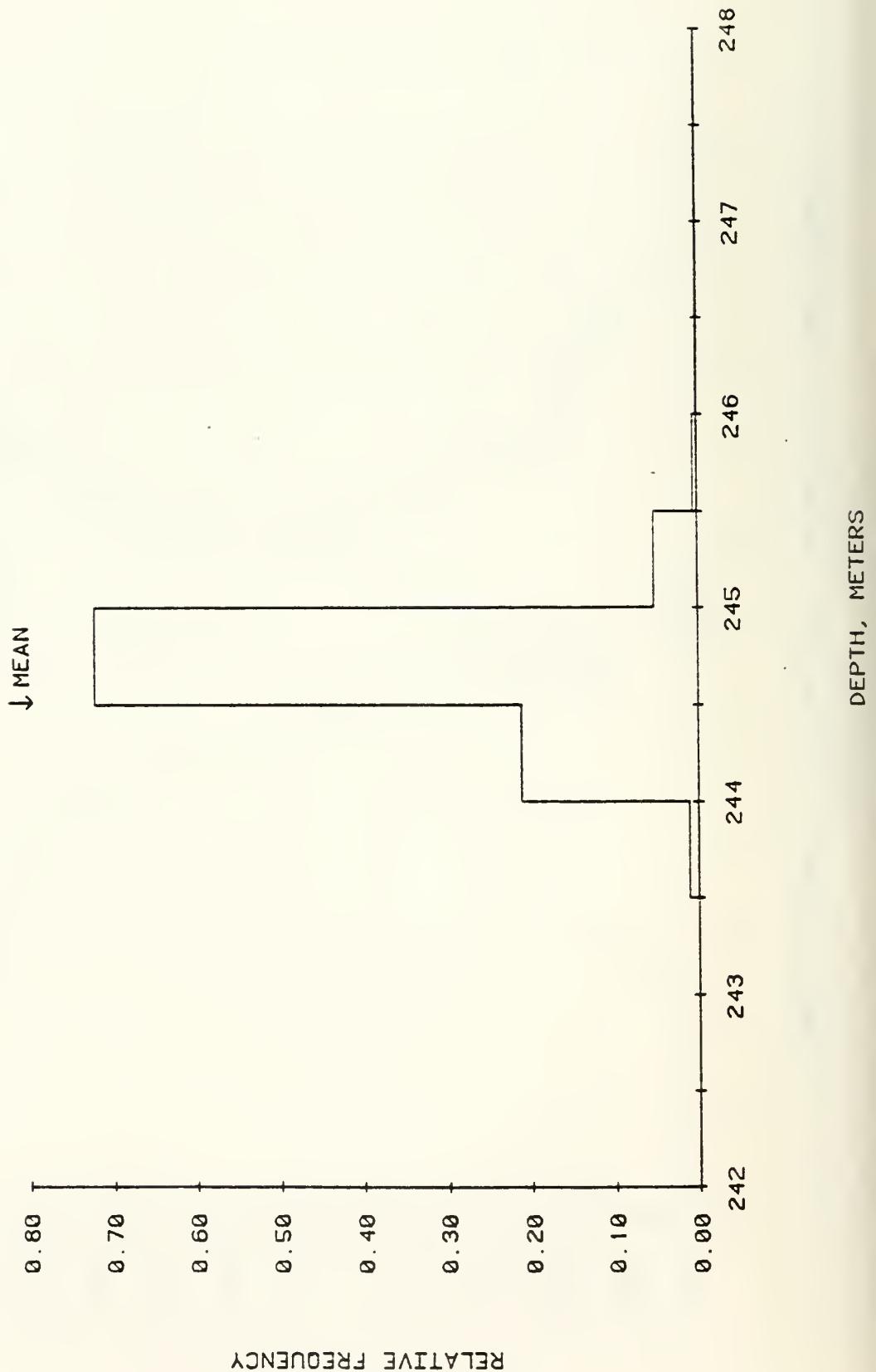


RELATIVE FREQUENCY

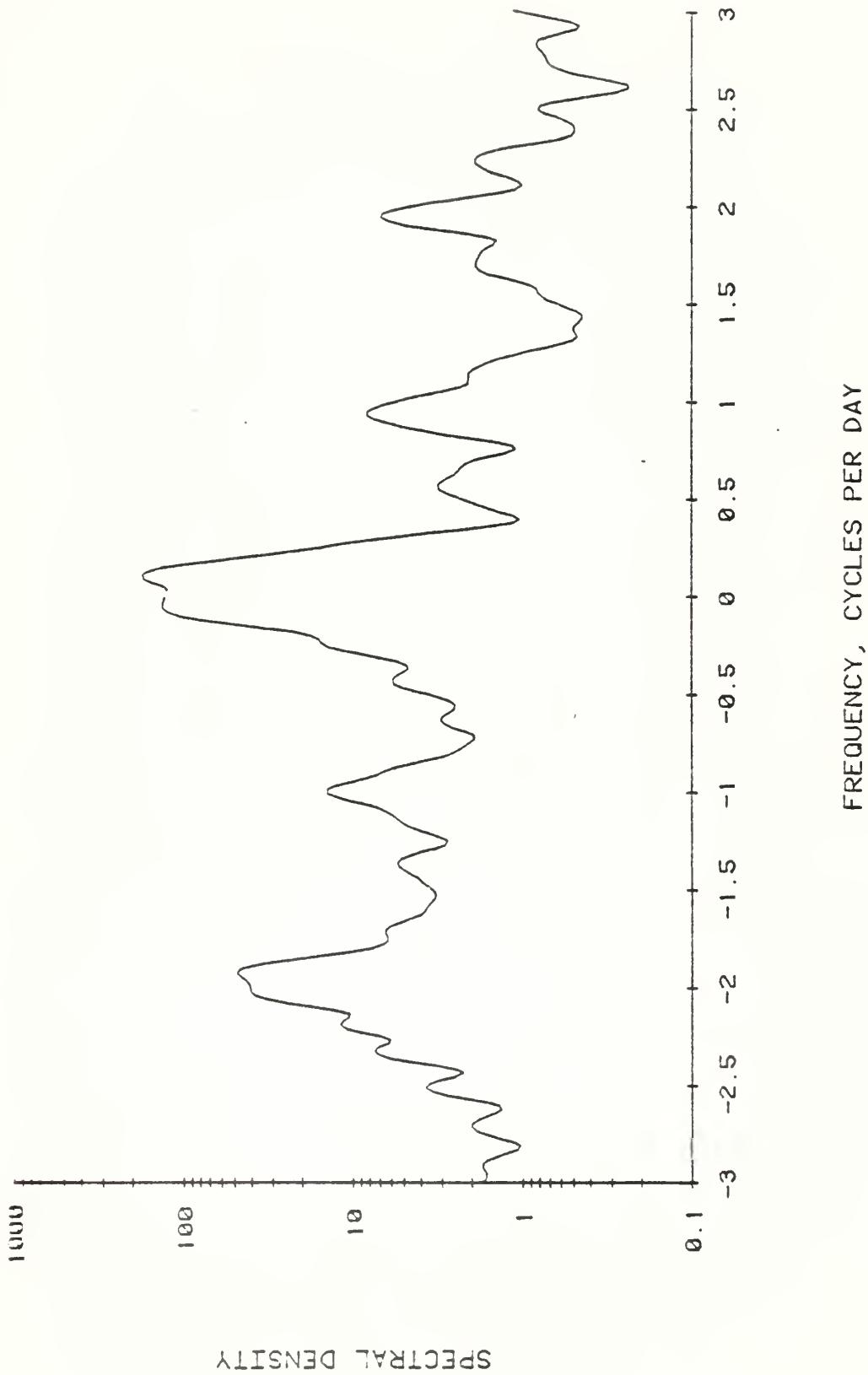
360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.



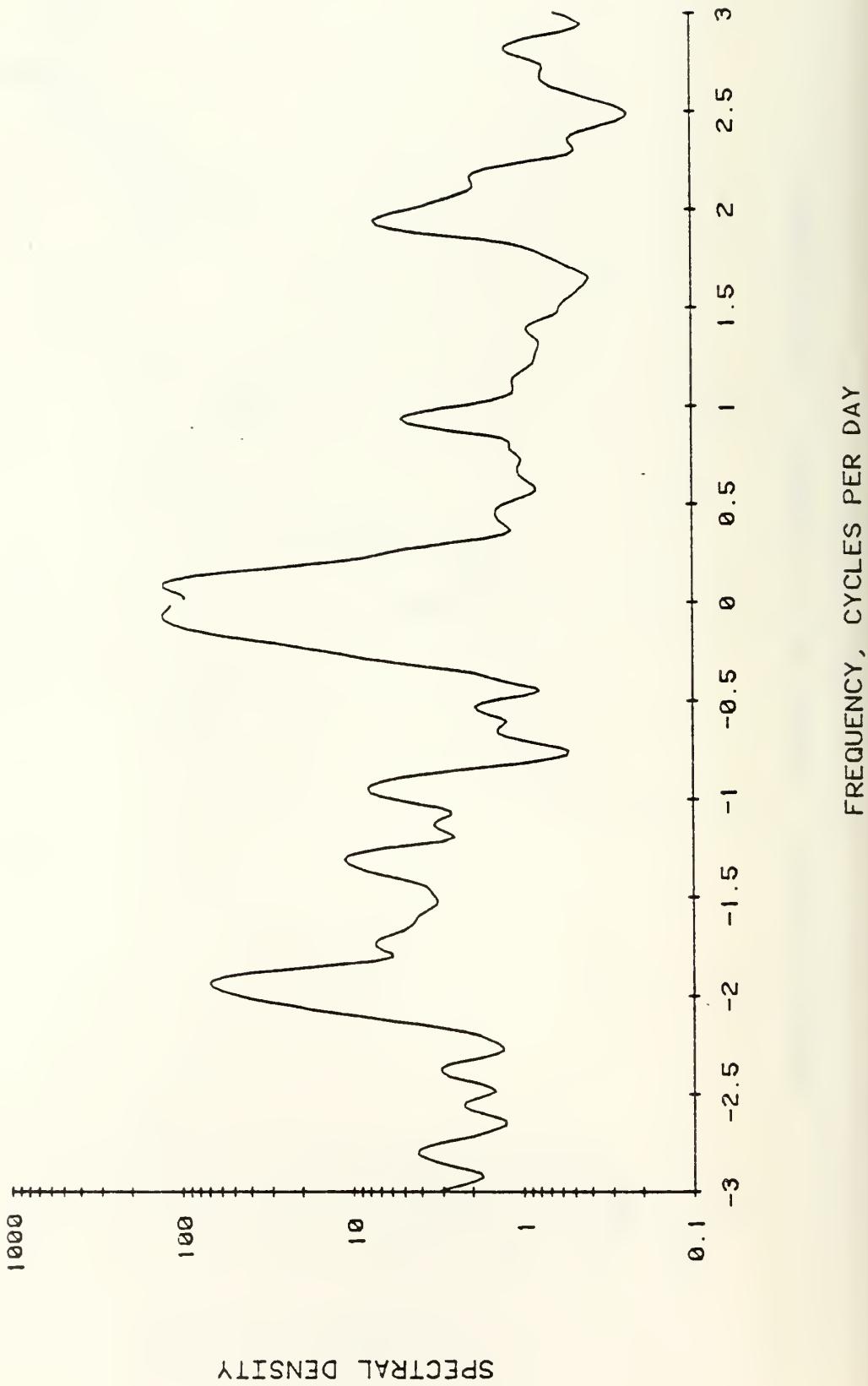
237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



165 M AT STN 2. 23 JUL 79 - 15 SEP 79. TAPE 1965/4.

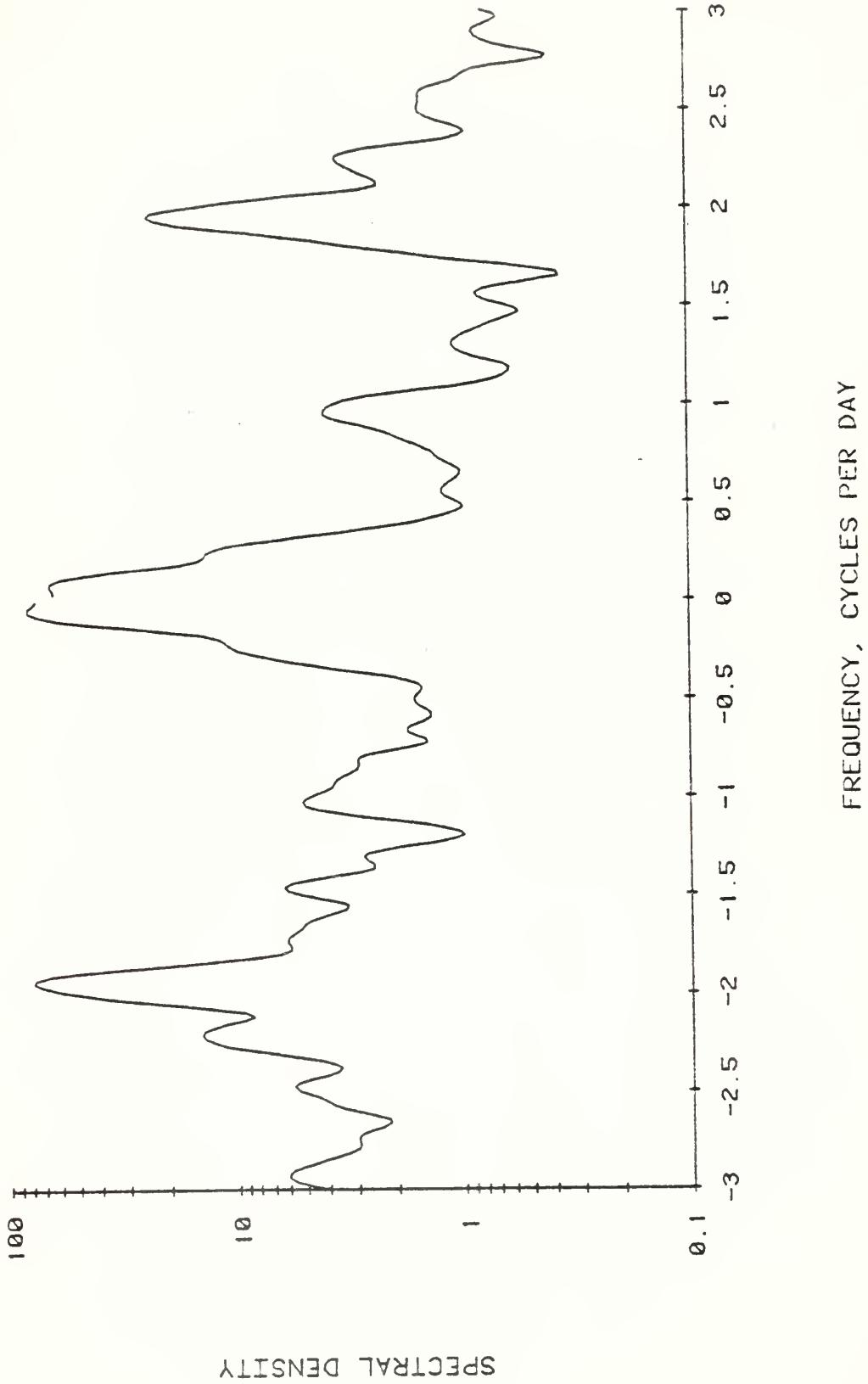


237 M AT STN 2. 23 JUL 79 - 14 SEP 79. TAPE 1319/4.



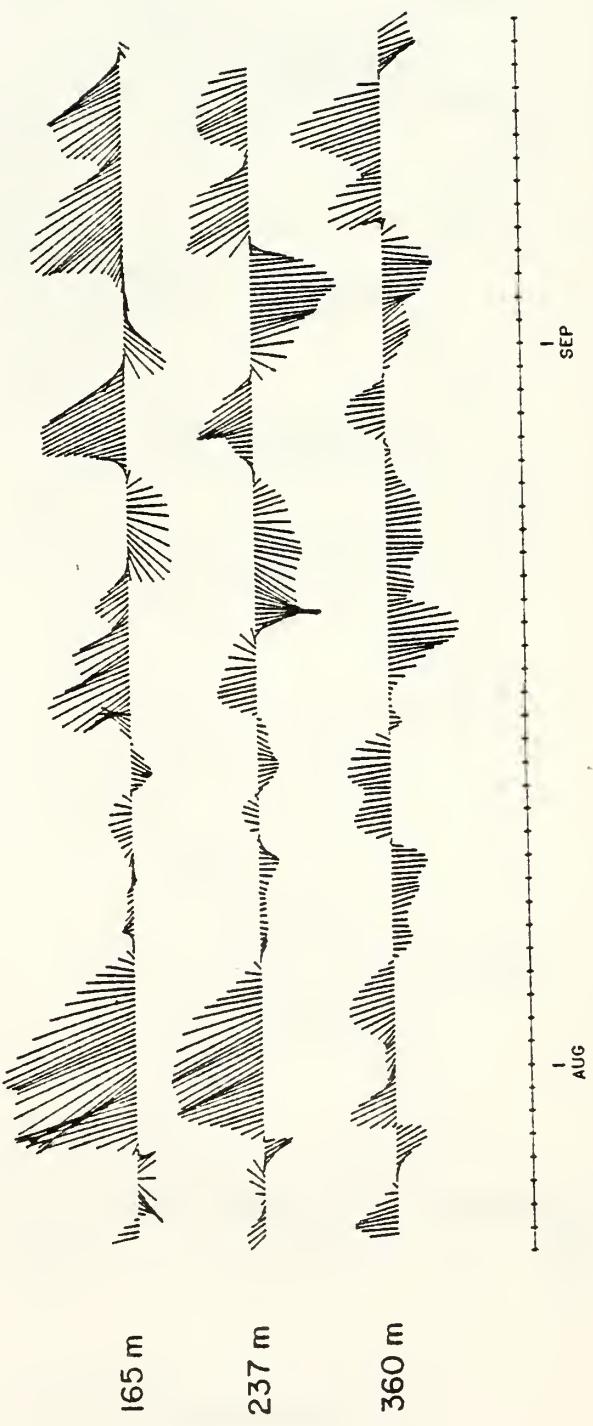
SPECTRAL DENSITY

360 M AT STN 2. 23 JUL 79 - 16 SEP 79. TAPE 2759/D.

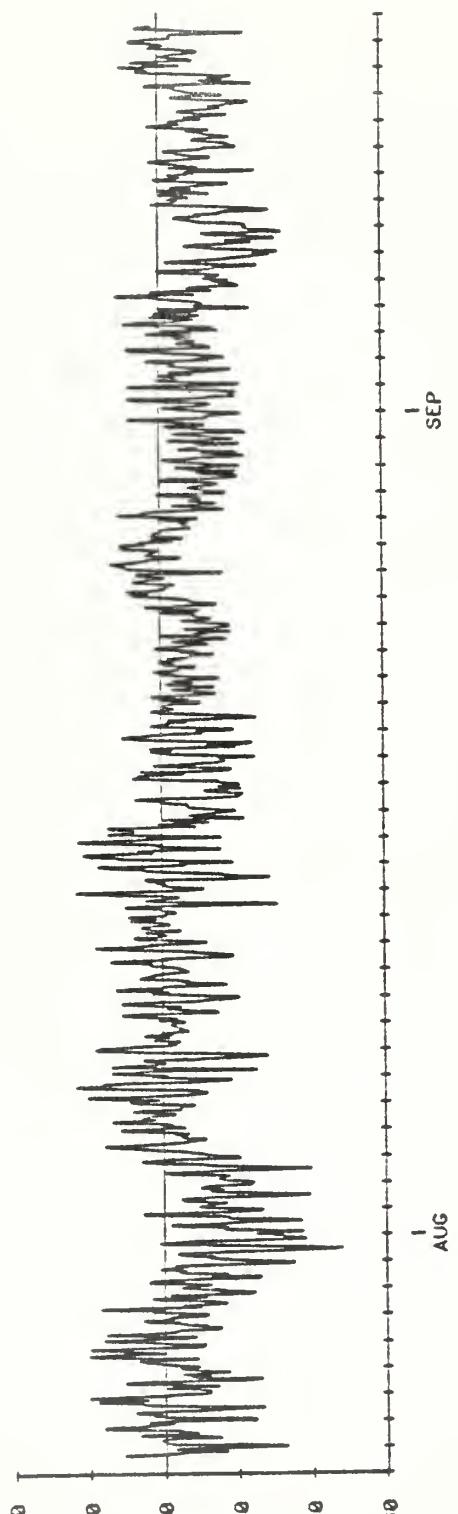


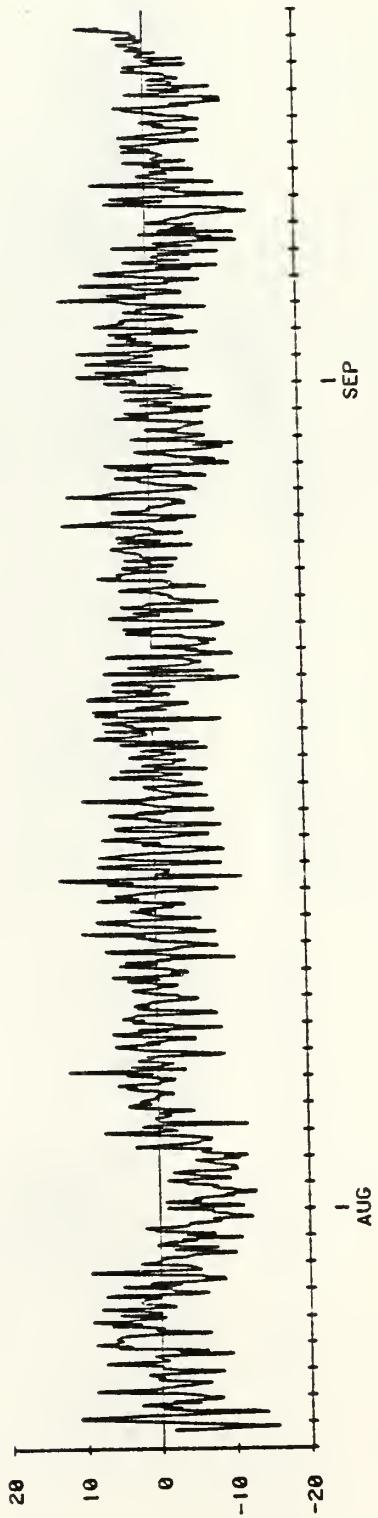
LLP FILTERED CURRENT AT STN 2. JULY - SEPTEMBER 1979.

N
20 cm/sec



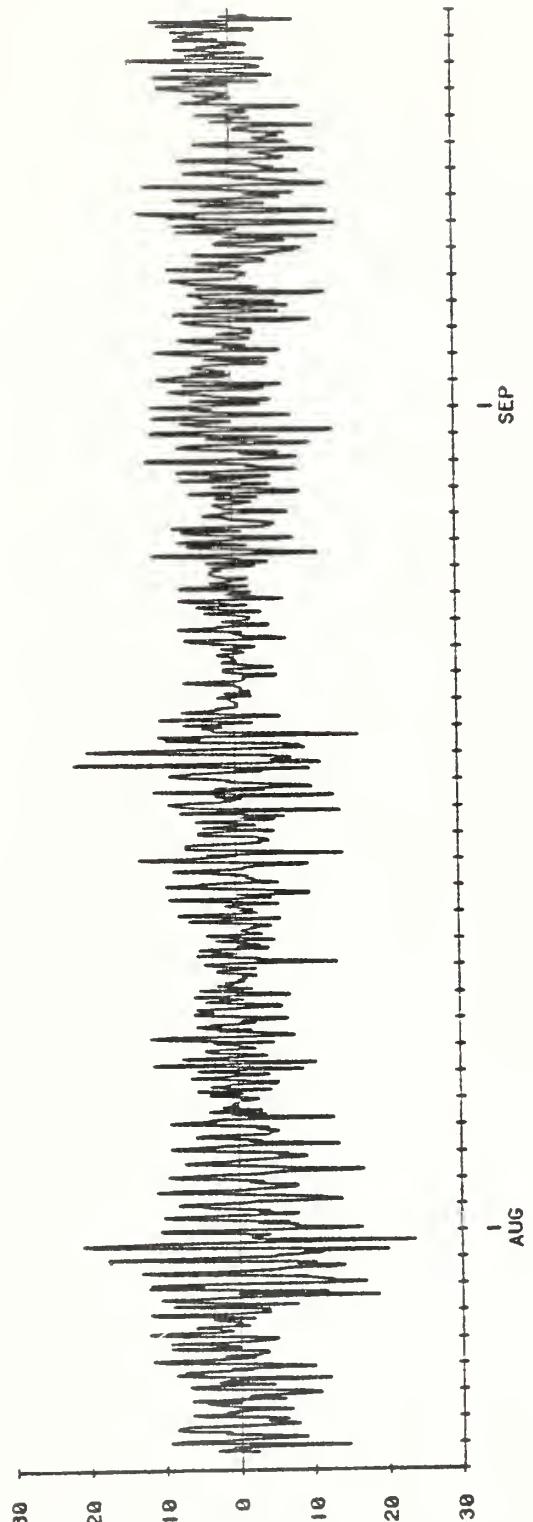
U COMPONENT 165 M AT STN 2.



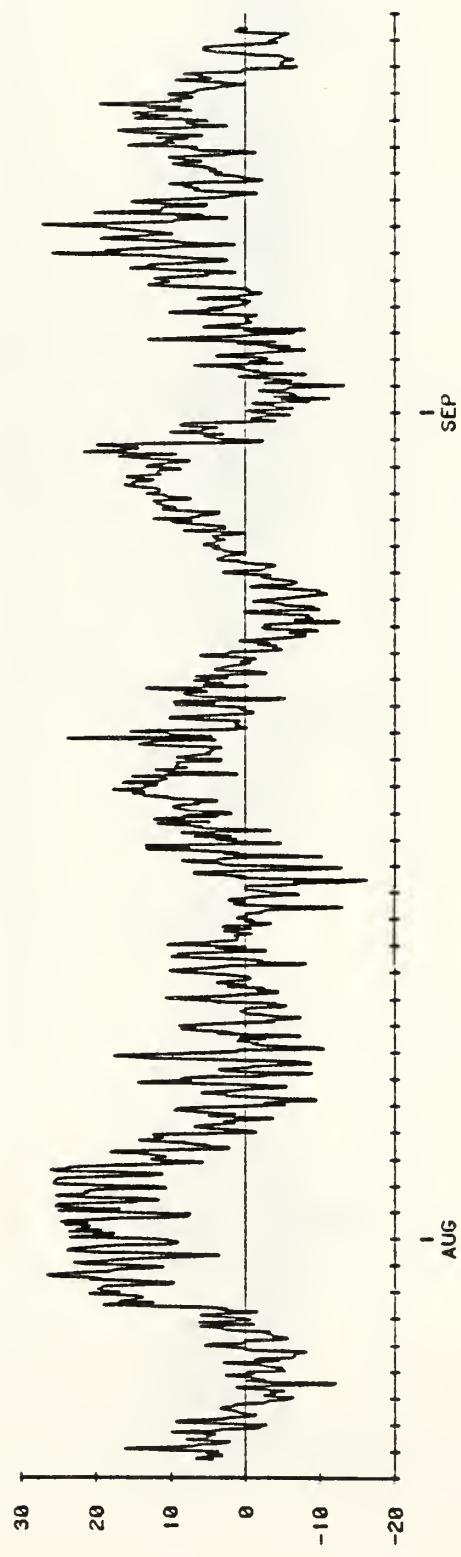


U COMPONENT. 237 M AT STN 2.

CM PER SEC

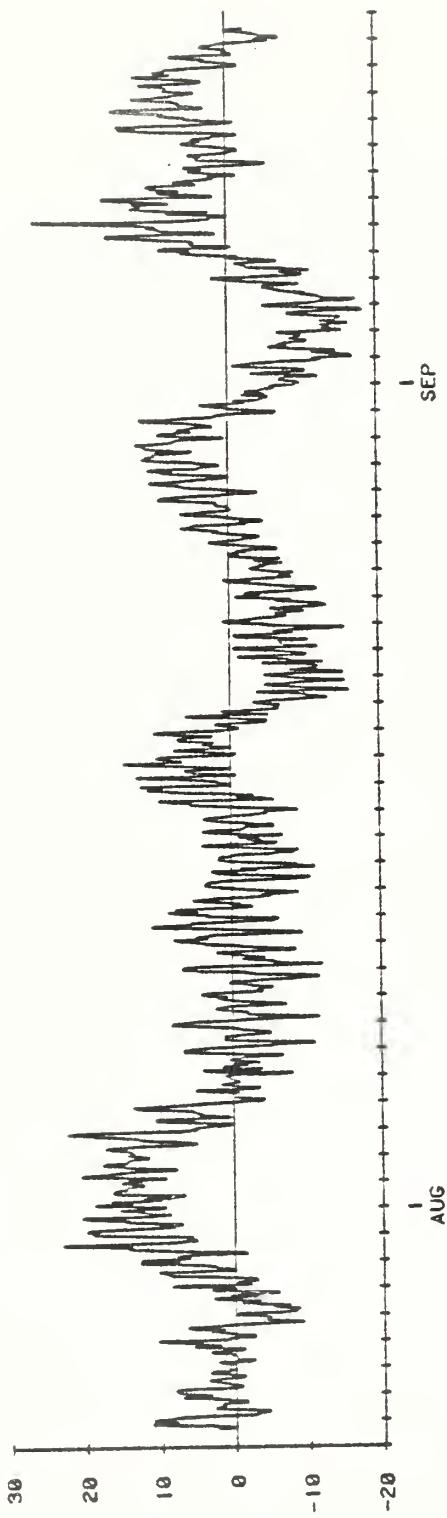


U COMPONENT. 360 M AT STN 2.



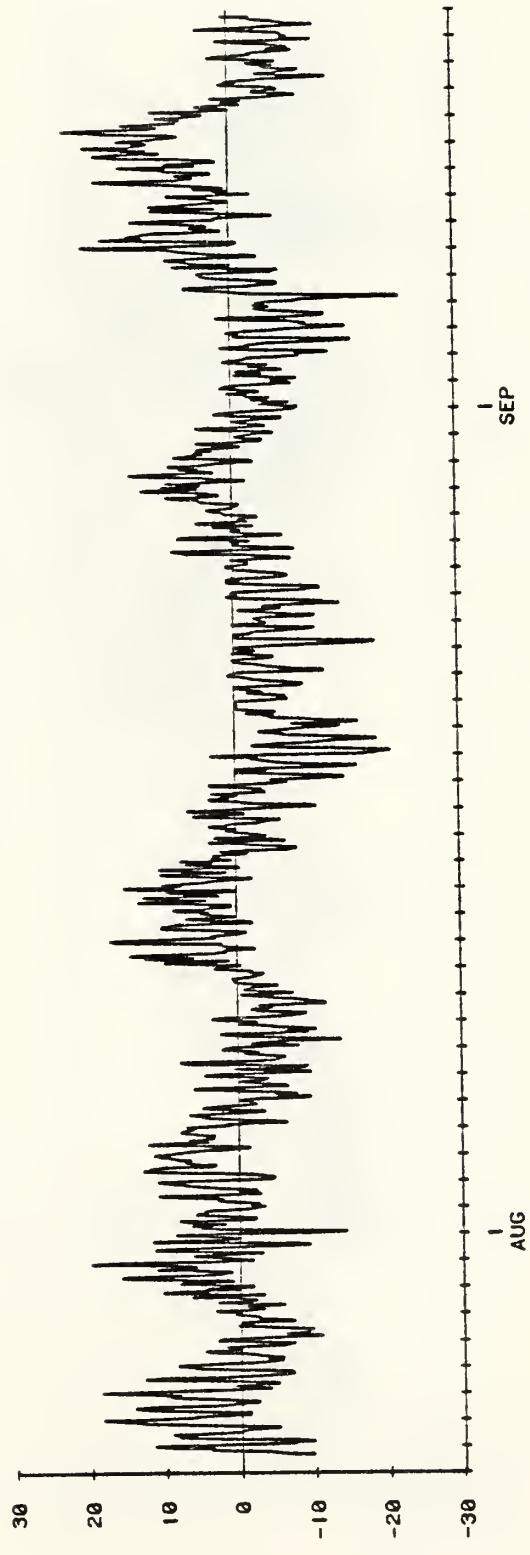
V COMPONENT . 165 M AT STN 2 .

CM PER SEC

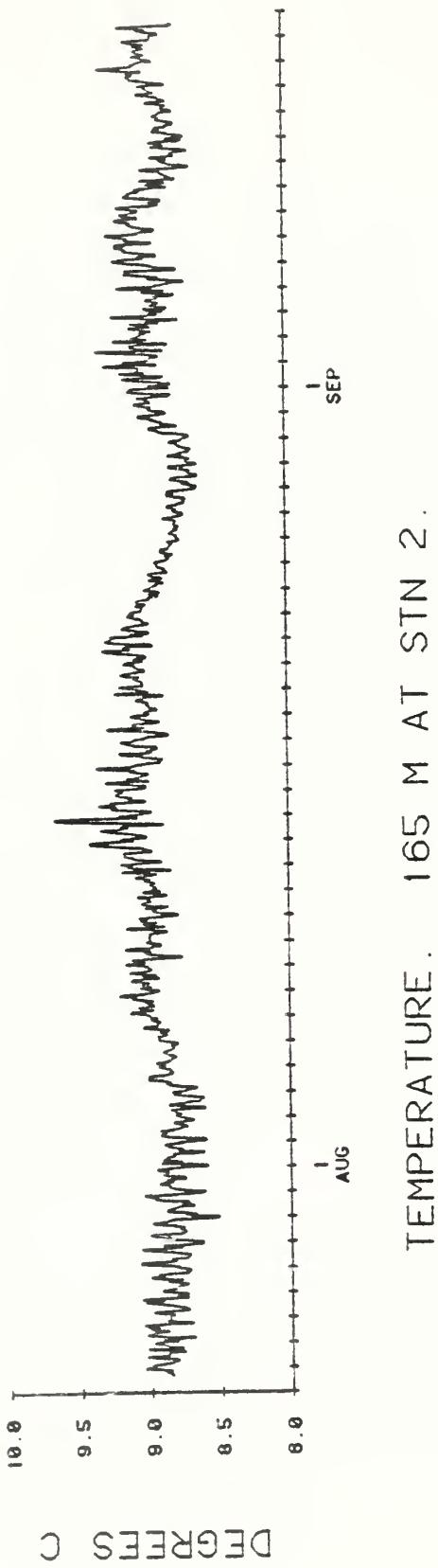


V COMPONENT . 237 M AT STN 2.

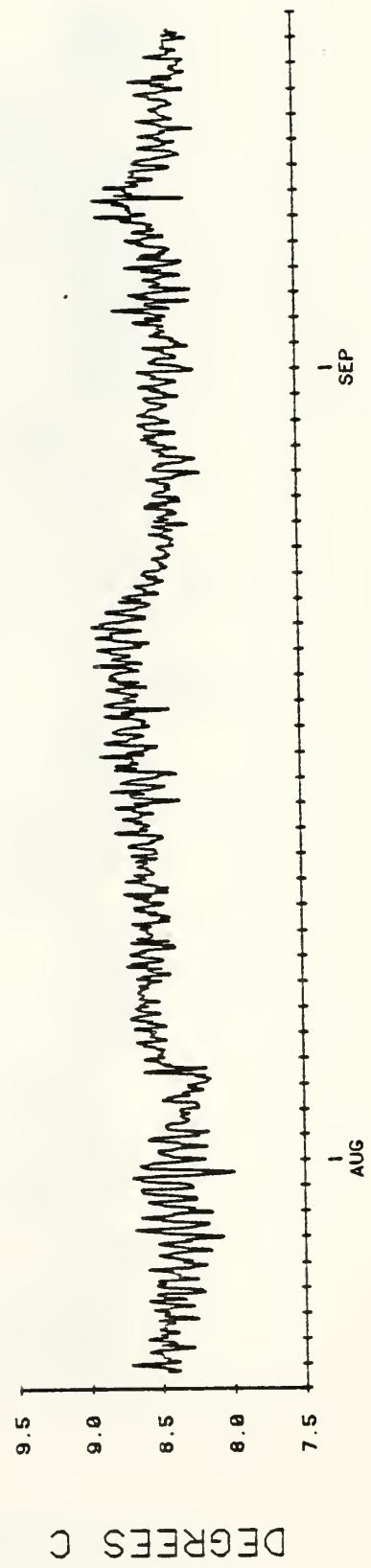
CM PER SEC



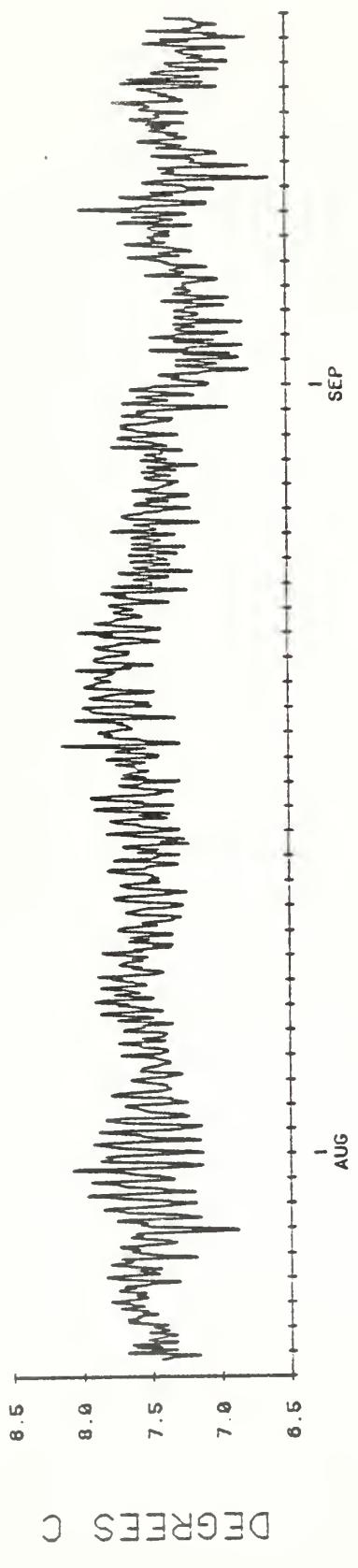
V COMPONENT . 360 M AT STN 2.



TEMPERATURE . 165 M AT STN 2.

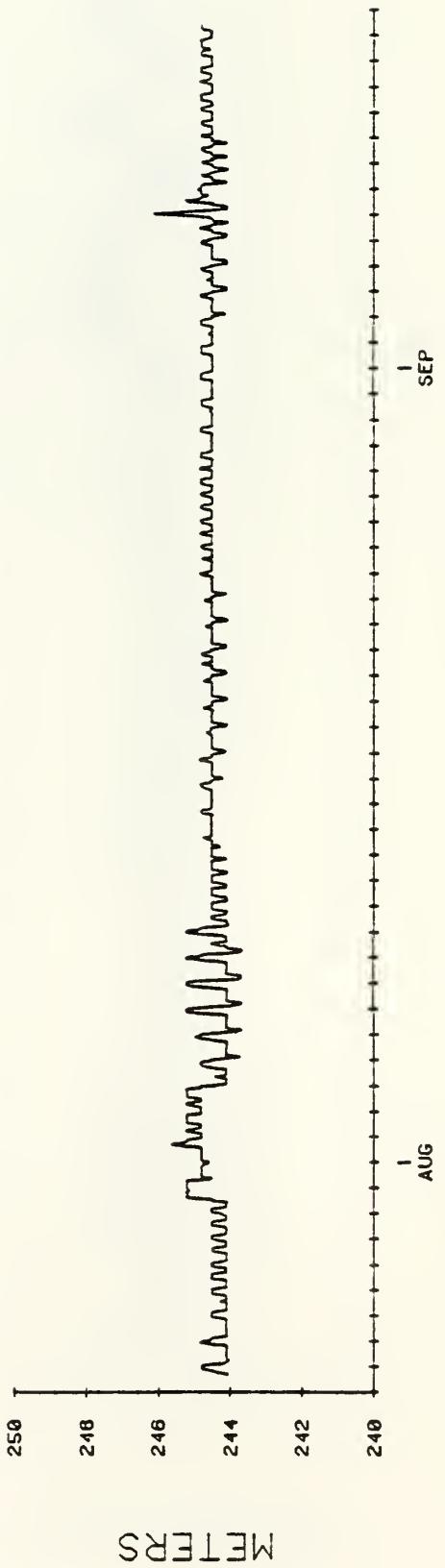


TEMPERATURE . 237 M AT STN 2 .



TEMPERATURE . 360 M AT STN 2 .

DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2



S E T E S R

STATION 7 - 35° 52.2'N, 121° 46.4'W
 8 OCT 79 - 2 DEC 79

Record #23, Depth 127 m

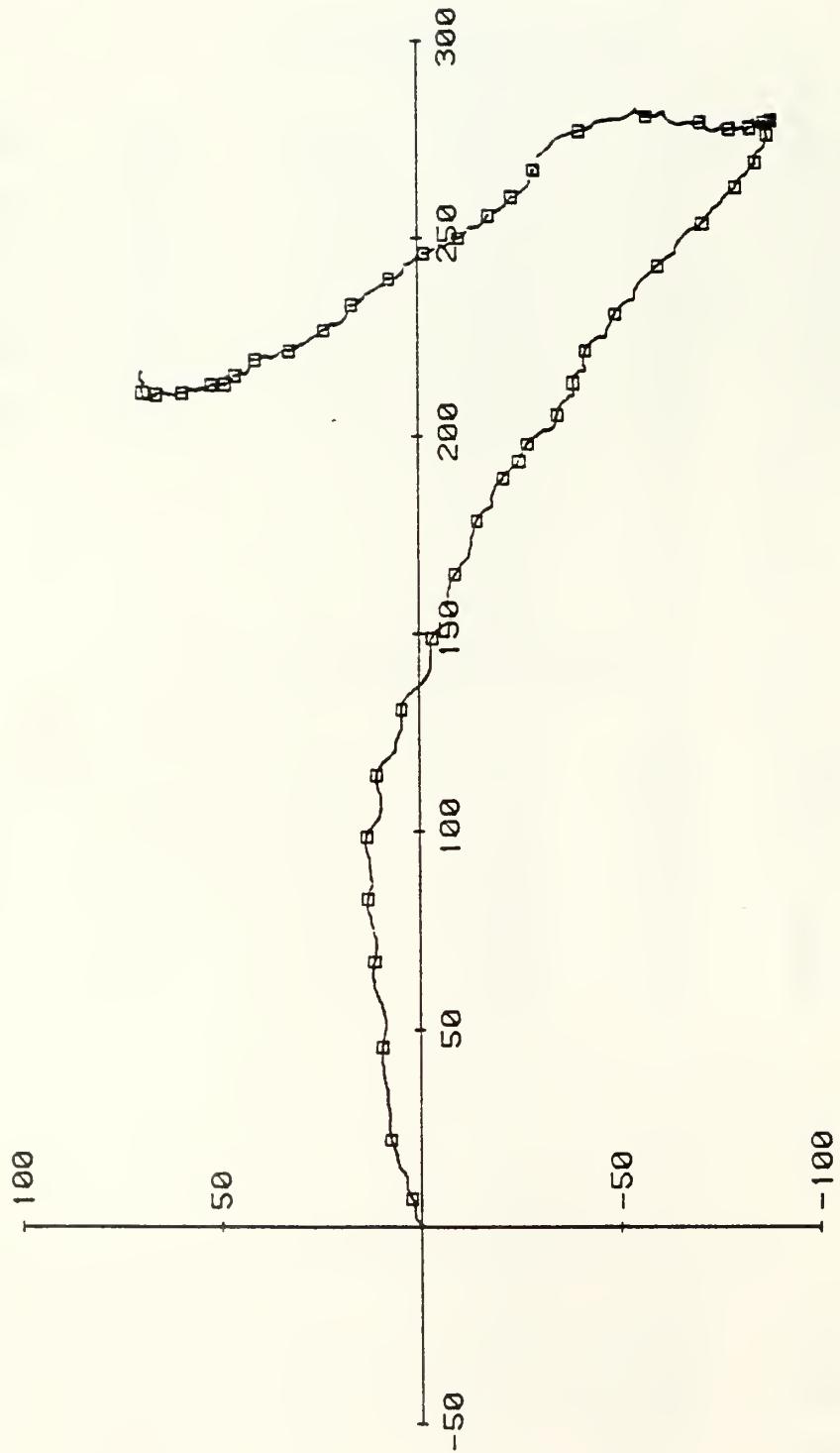
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	14.47	8.40	0.54	2.99	0.80	44.60	6705
U(cm/s)	5.38	12.11	0.22	2.49	-25.10	41.10	6705
V(cm/s)	1.73	10.07	0.07	3.52	-32.70	38.90	6705
T(°C)	9.31	0.21	0.05	2.06	8.77	9.82	6705

Record #24, Depth 200 m

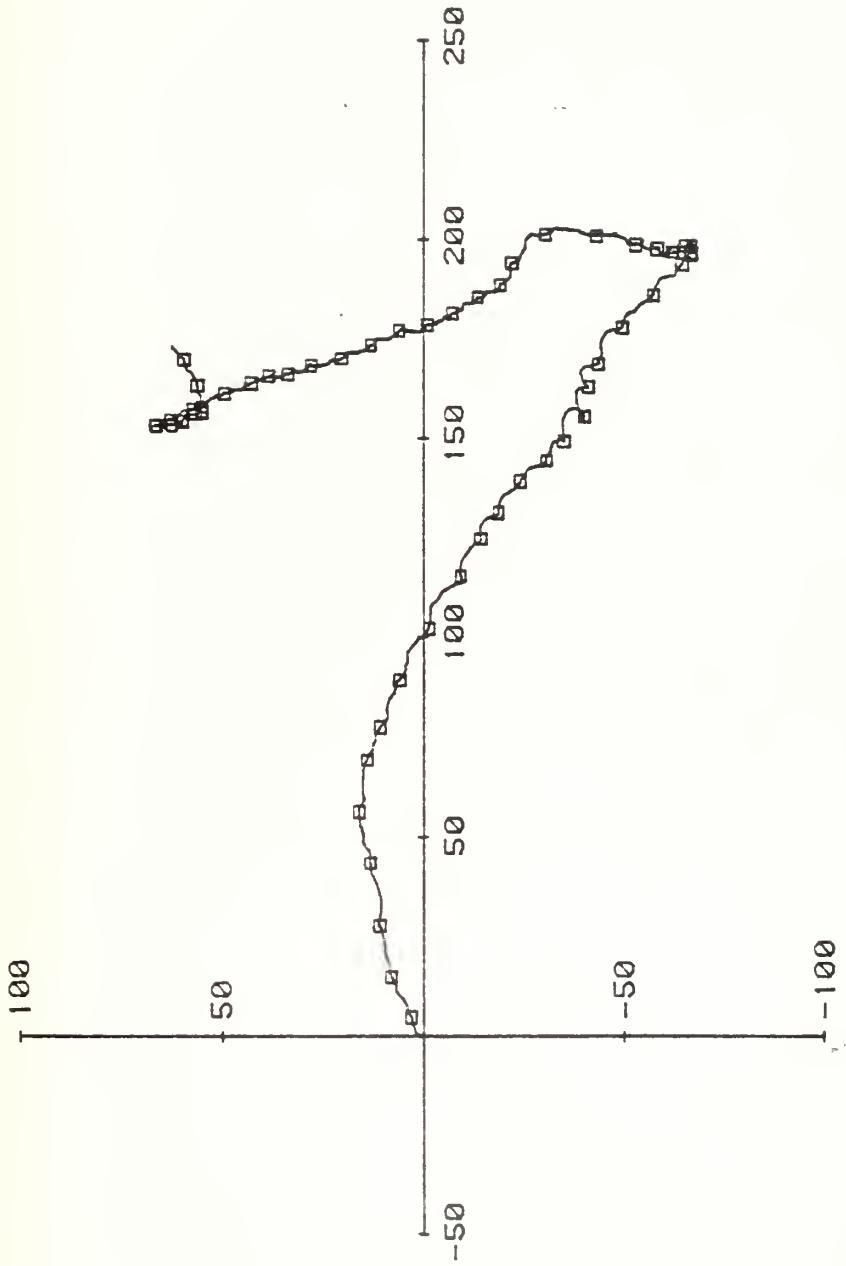
S(cm/s)	10.60	6.48	0.64	3.27	0.80	37.60	7817
U(cm/s)	3.68	8.65	0.42	3.06	-22.30	37.30	7817
V(cm/s)	1.34	8.02	-0.11	3.39	-30.50	30.30	7817
T(°C)	8.50	0.32	0.07	2.23	7.58	9.25	7817

Record #26, Depth 524 m

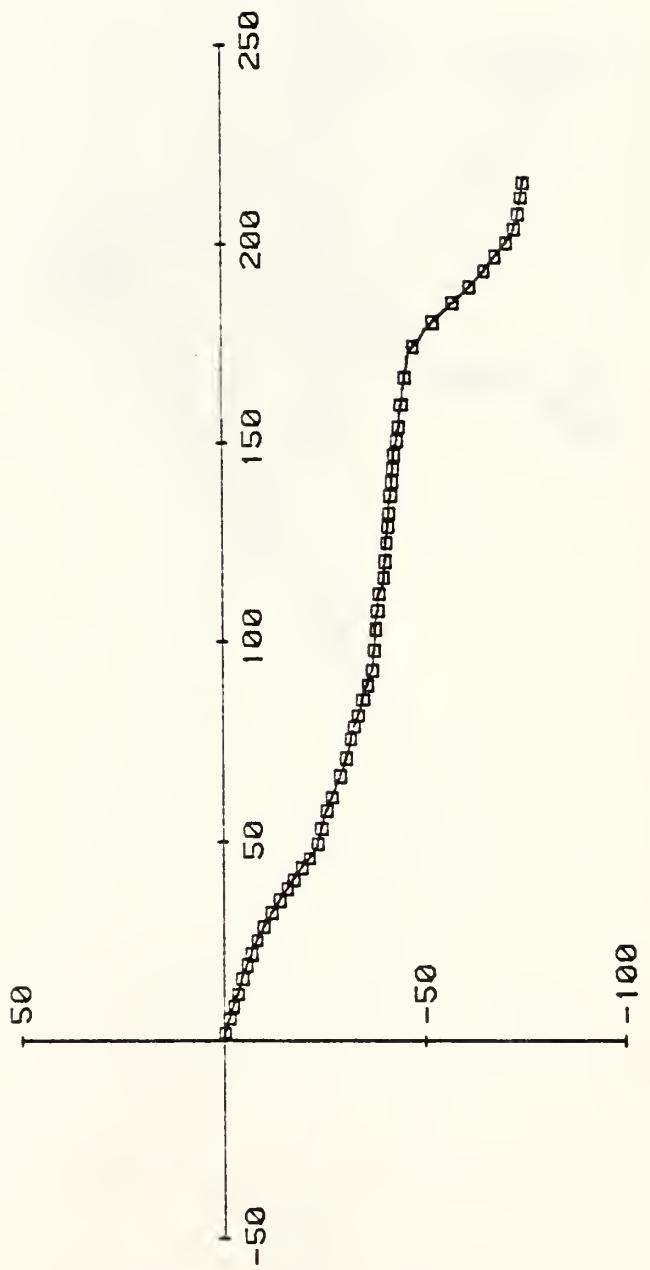
S(cm/s)	4.99	2.56	0.28	2.82	0.80	15.50	7901
U(cm/s)	4.56	2.38	0.32	2.94	0.50	14.10	7901
V(cm/s)	-1.59	1.54	-1.62	5.64	-10.20	0.10	7901
T(°C)	5.99	0.21	0.12	2.24	5.49	6.59	7901



127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.

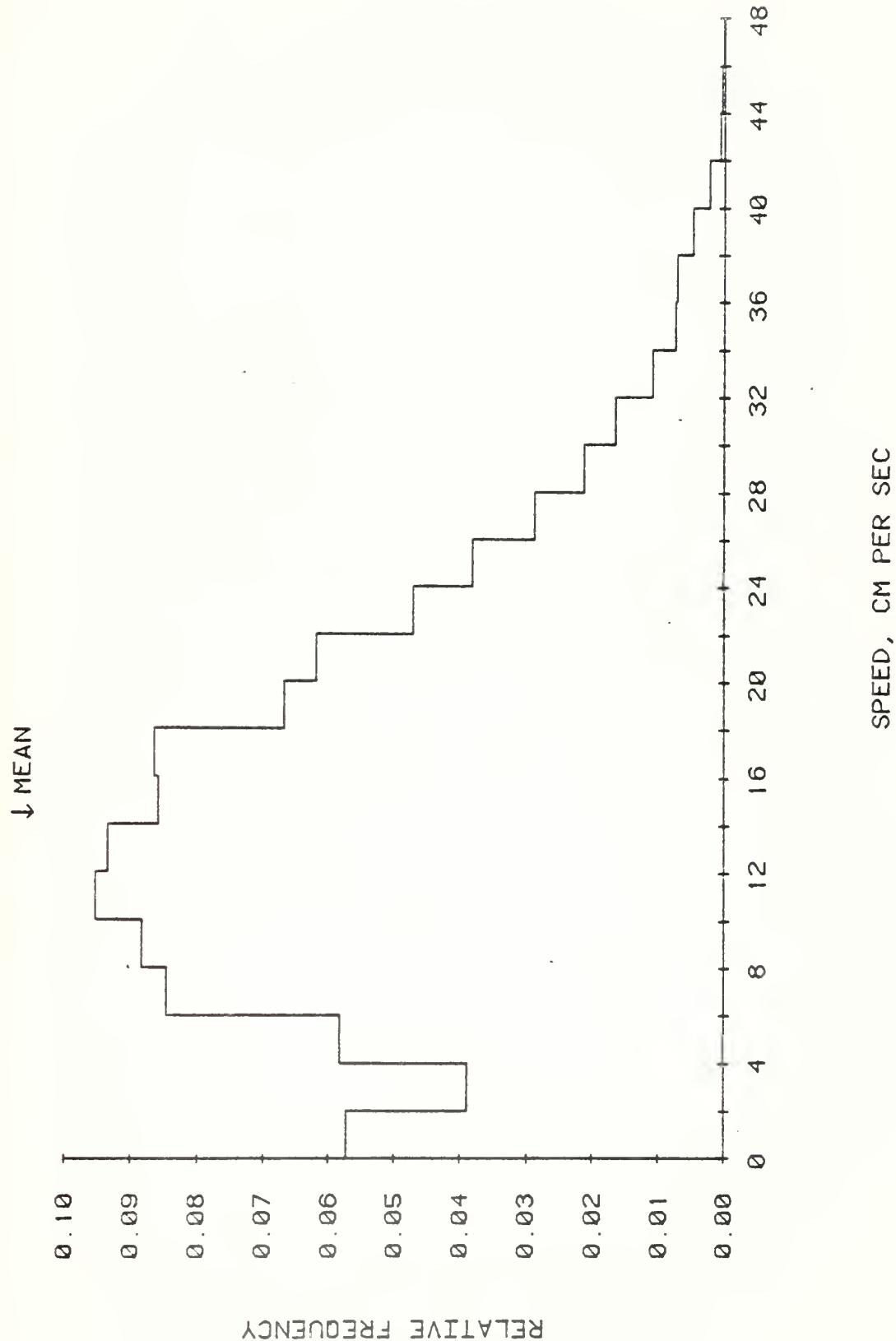


200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.

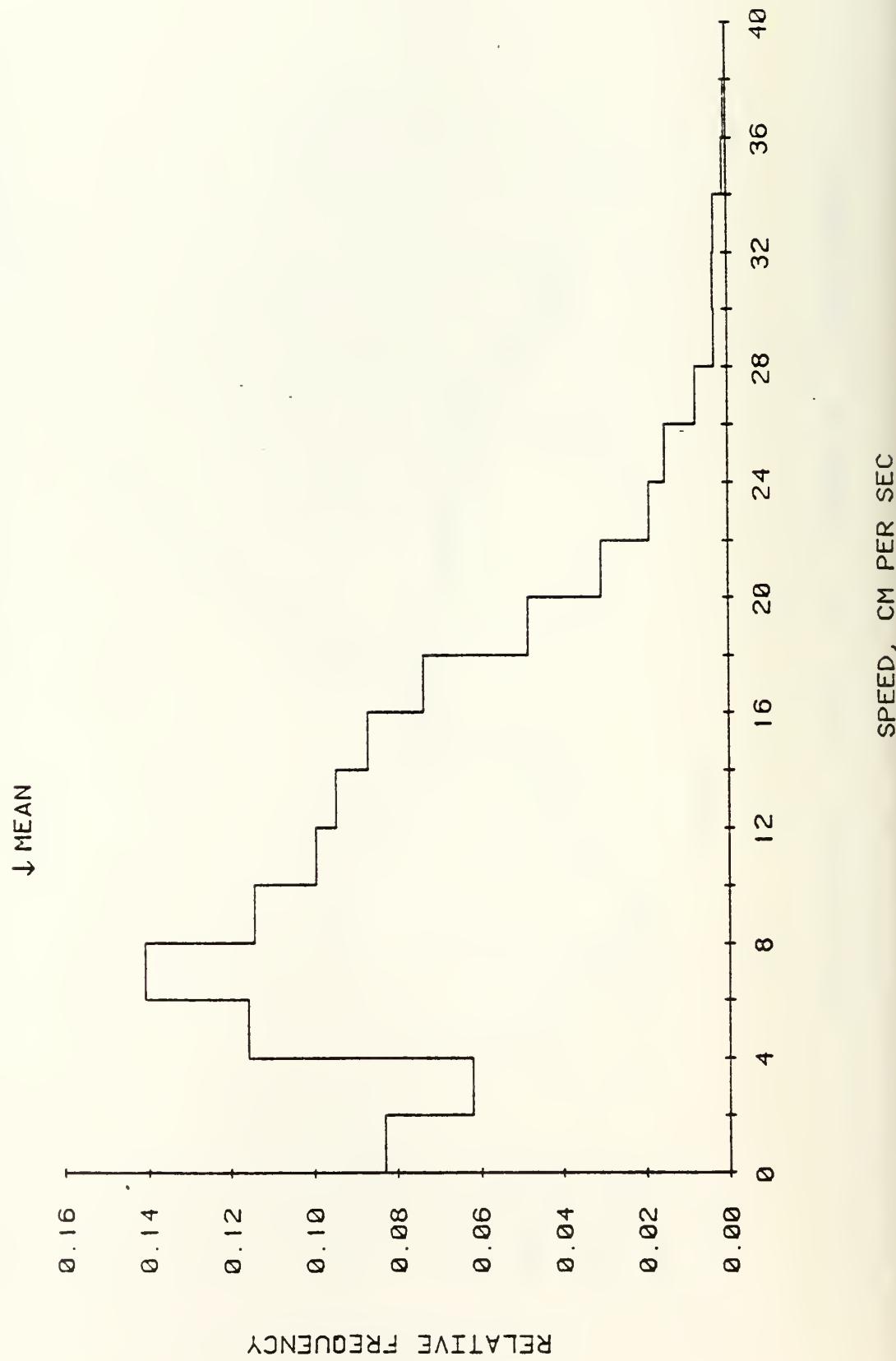


524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.

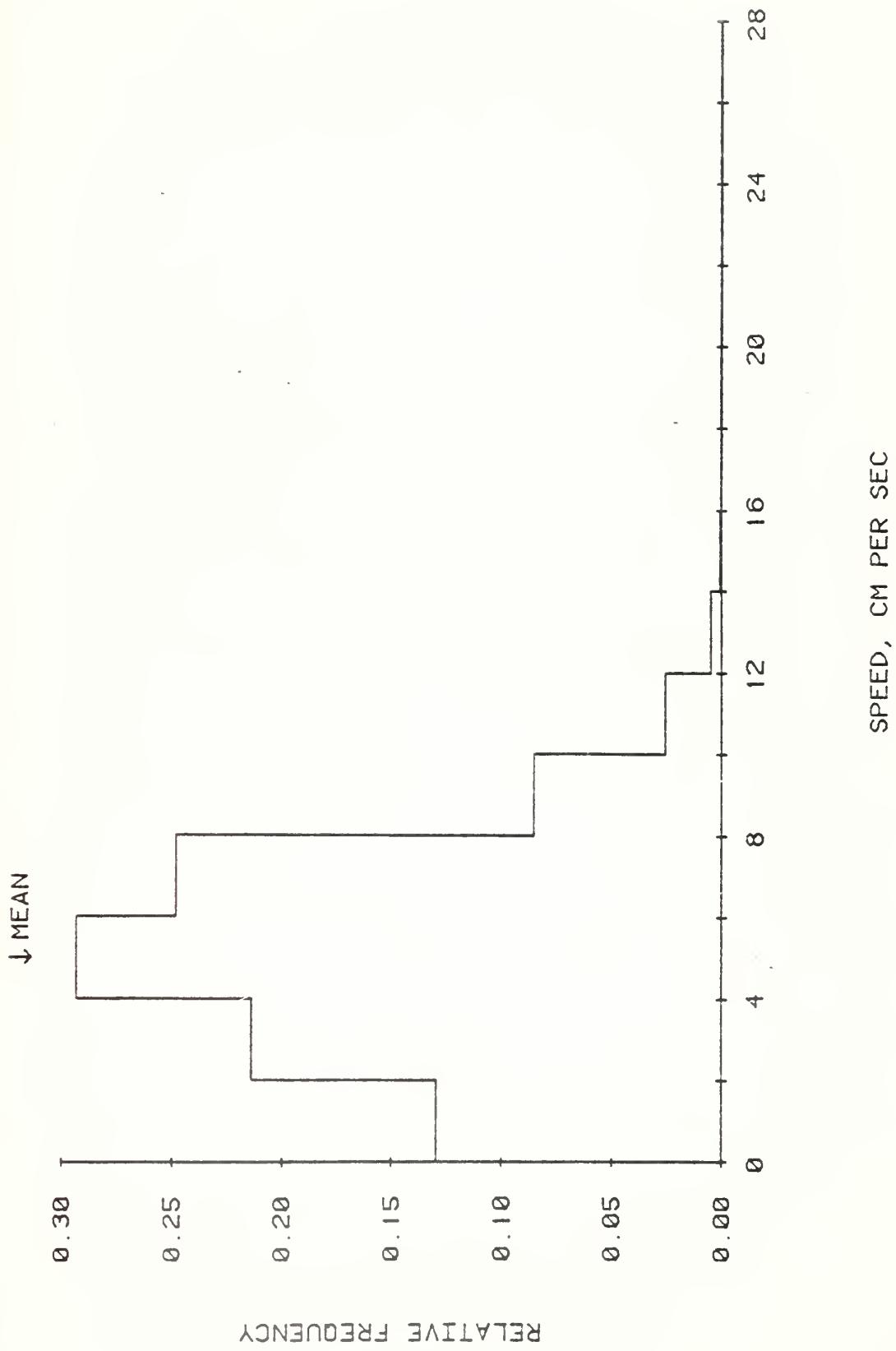
127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.



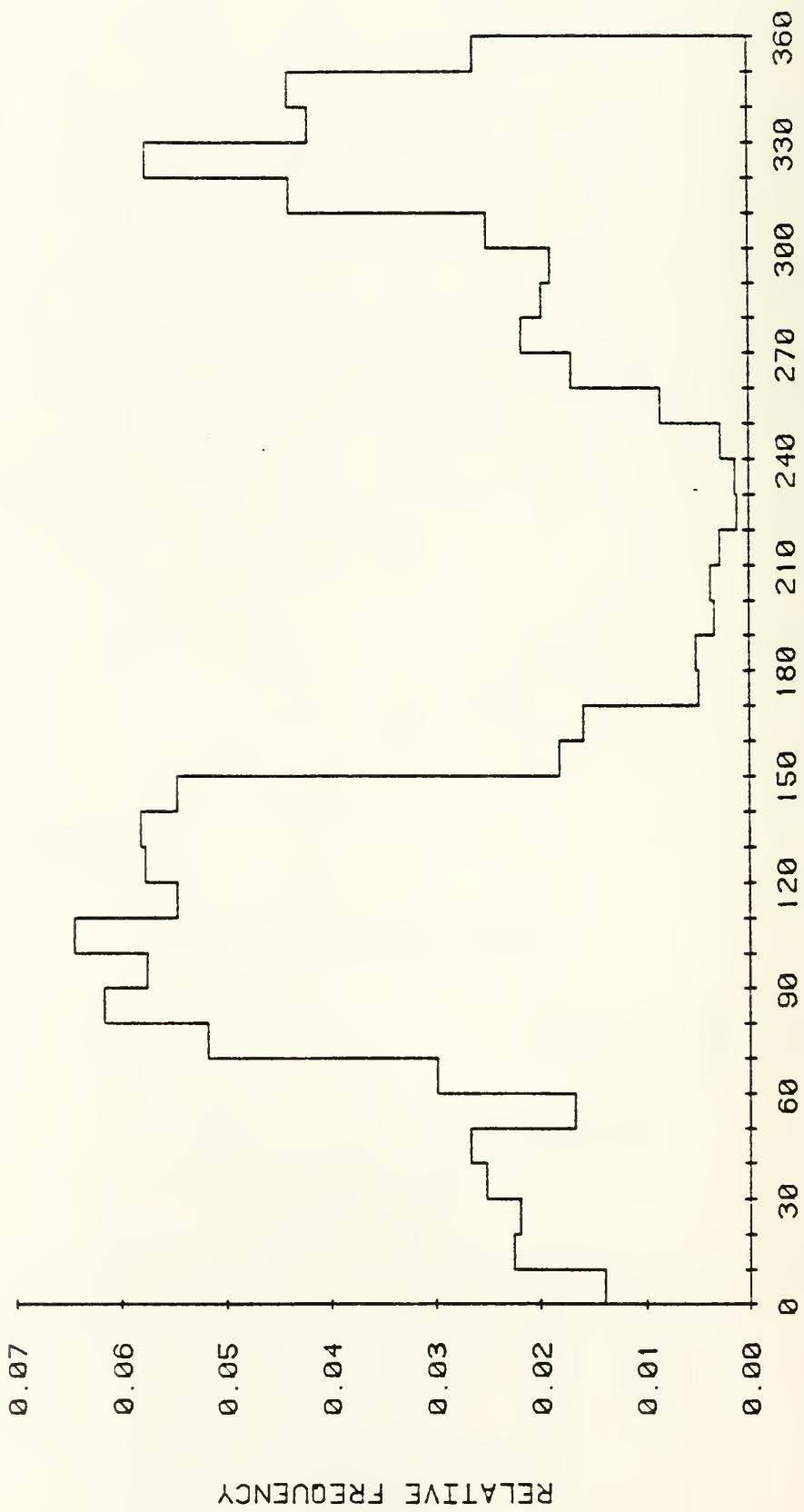
200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.



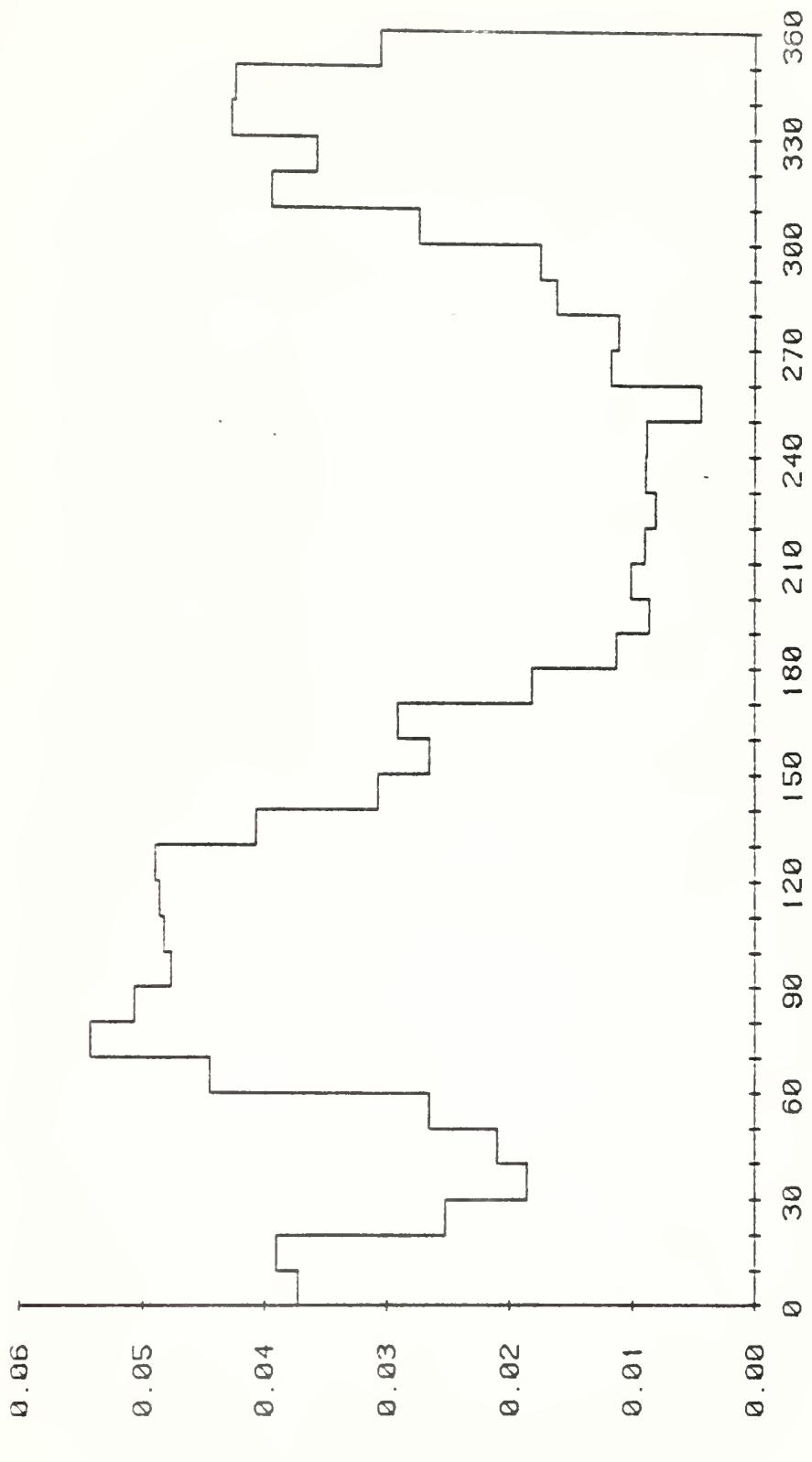
524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.



127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.



200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.



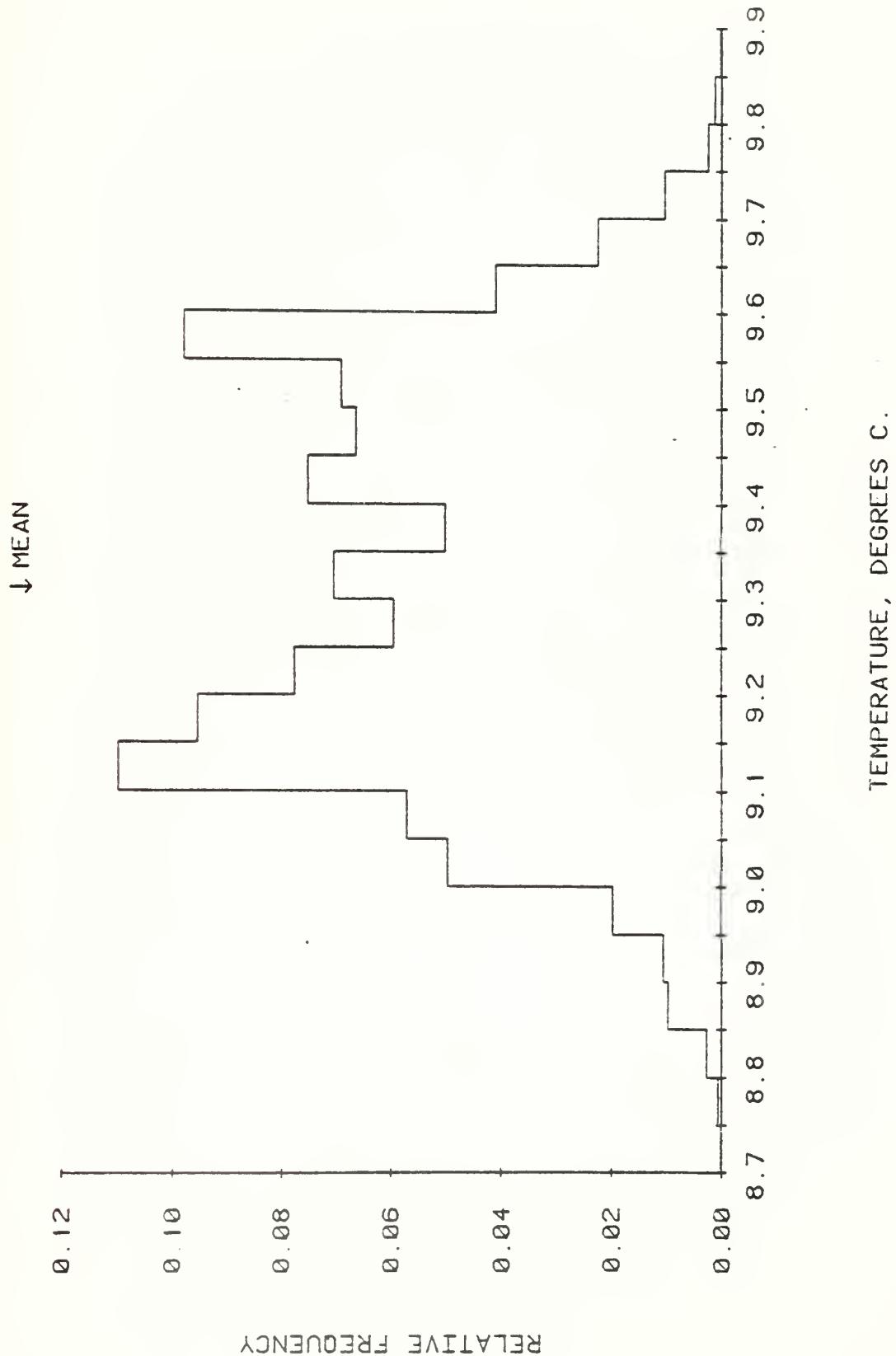
RELATIVE FREQUENCY

524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.

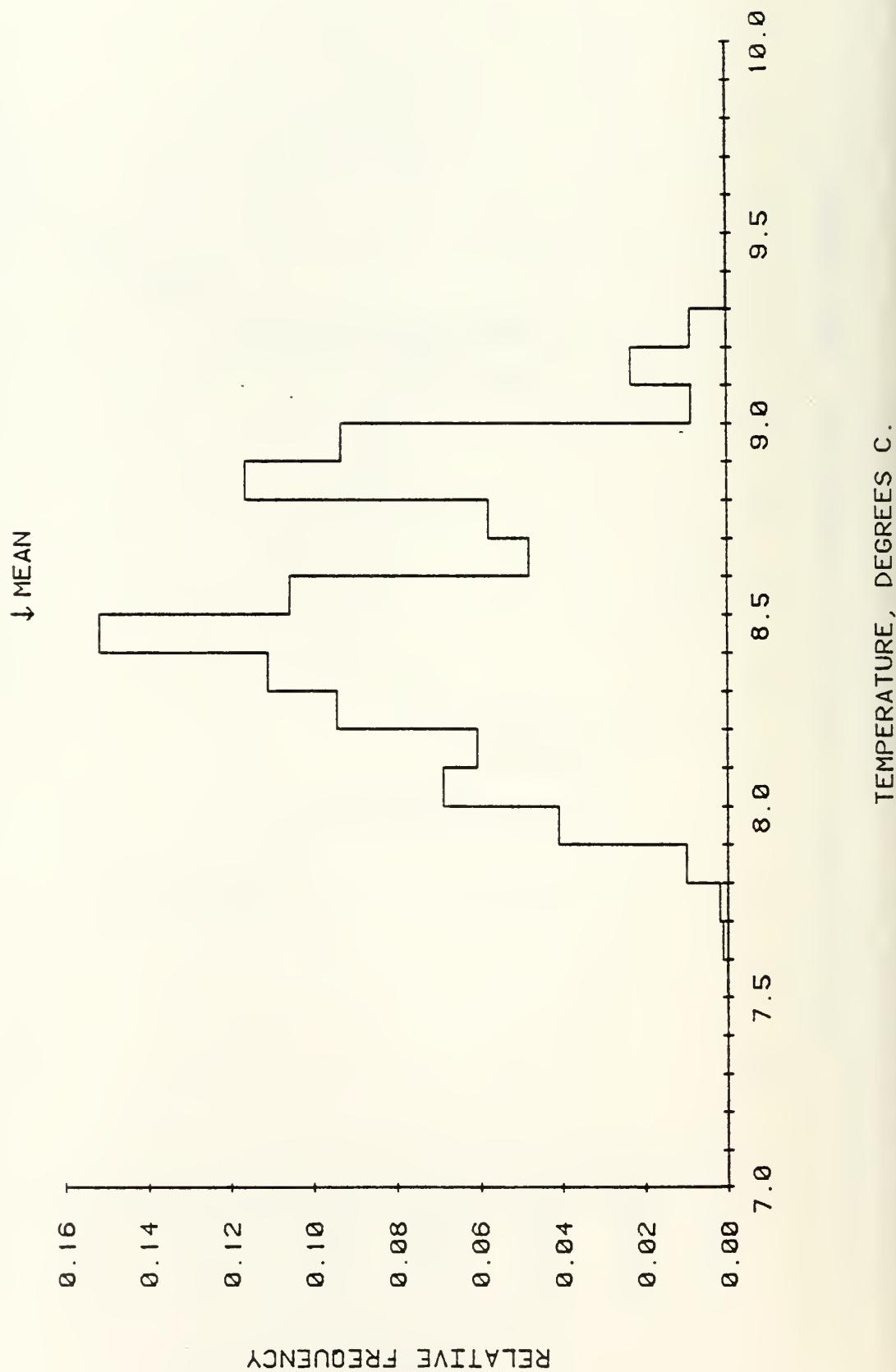


214

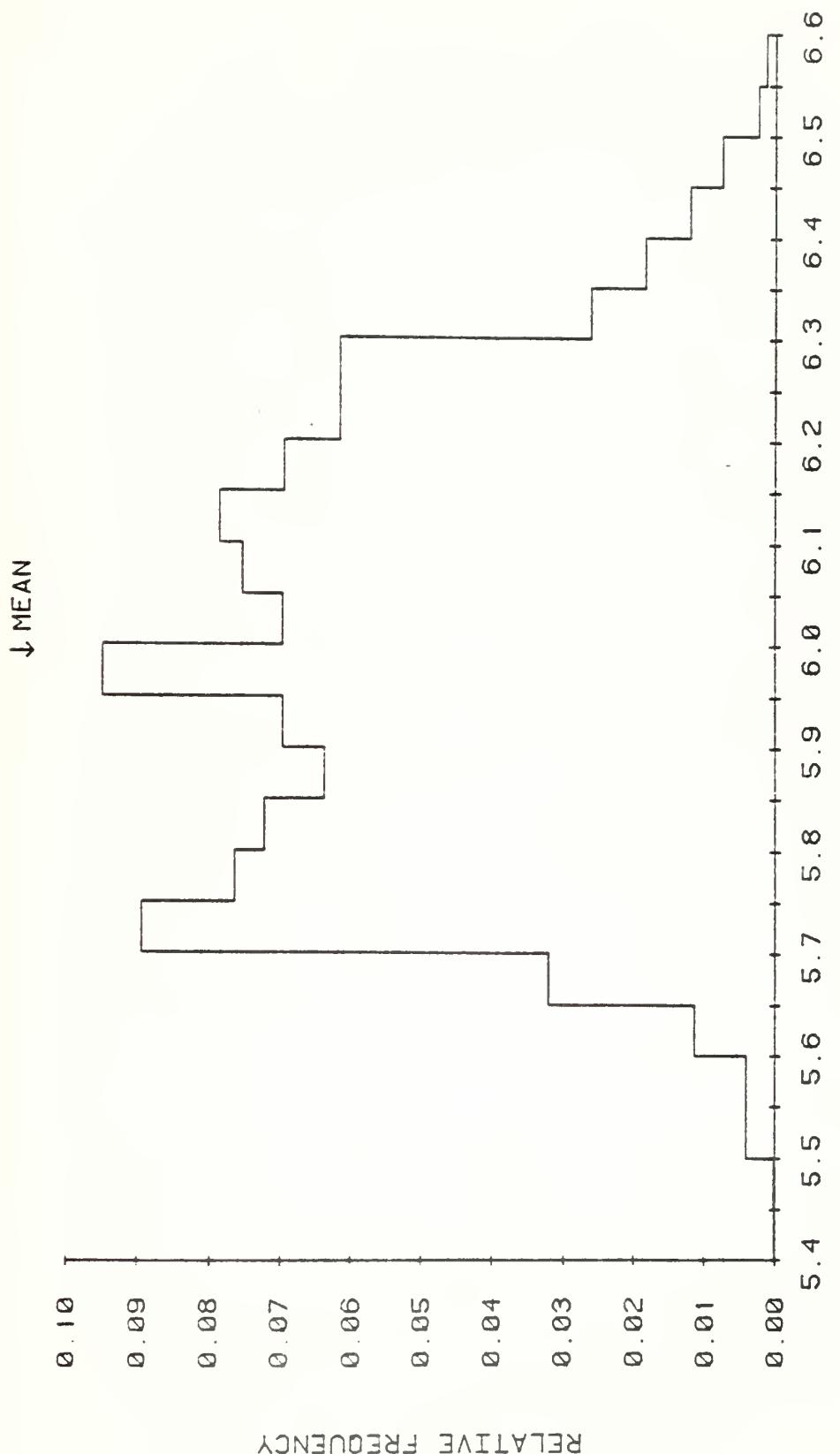
127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.



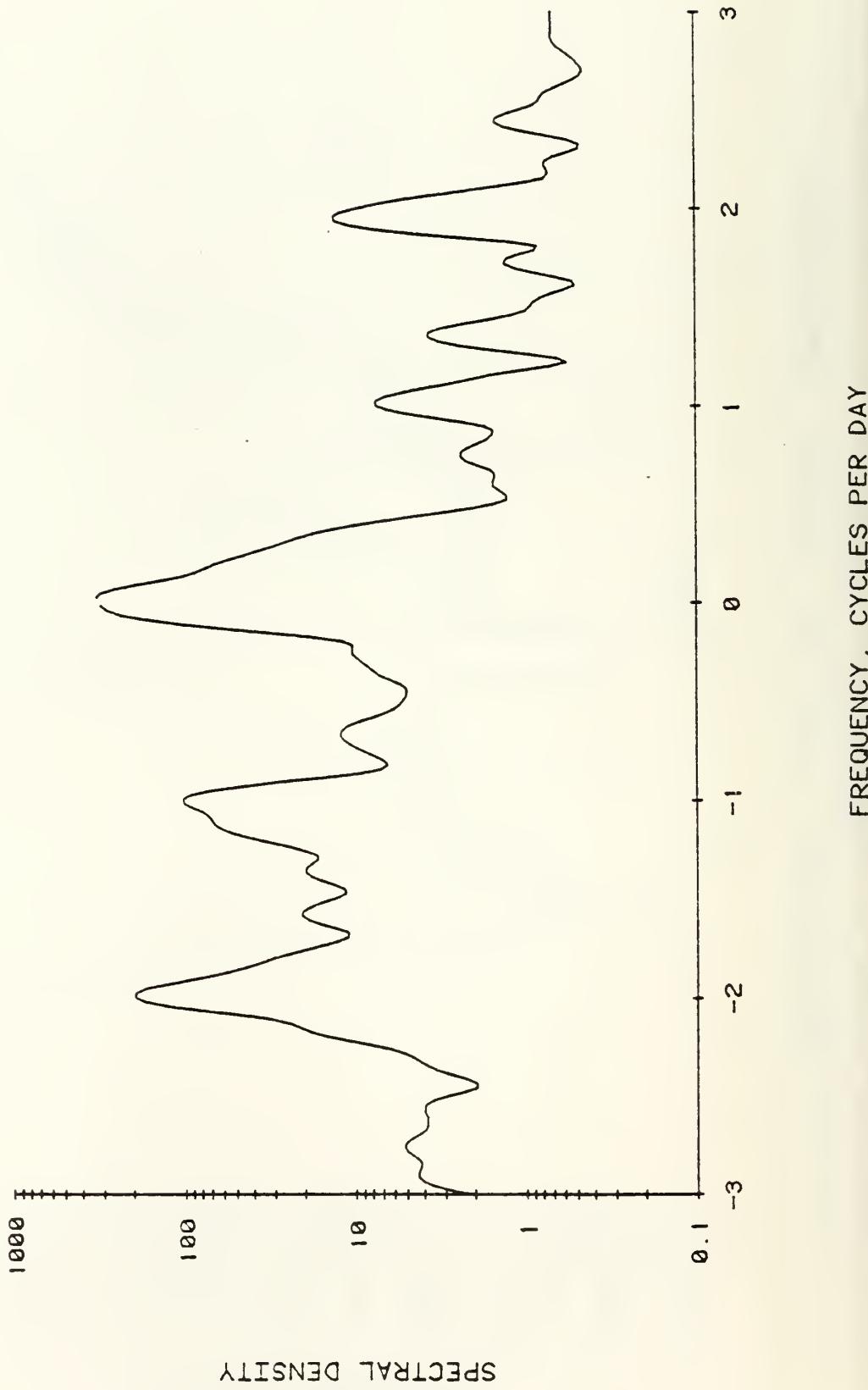
200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.



524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.

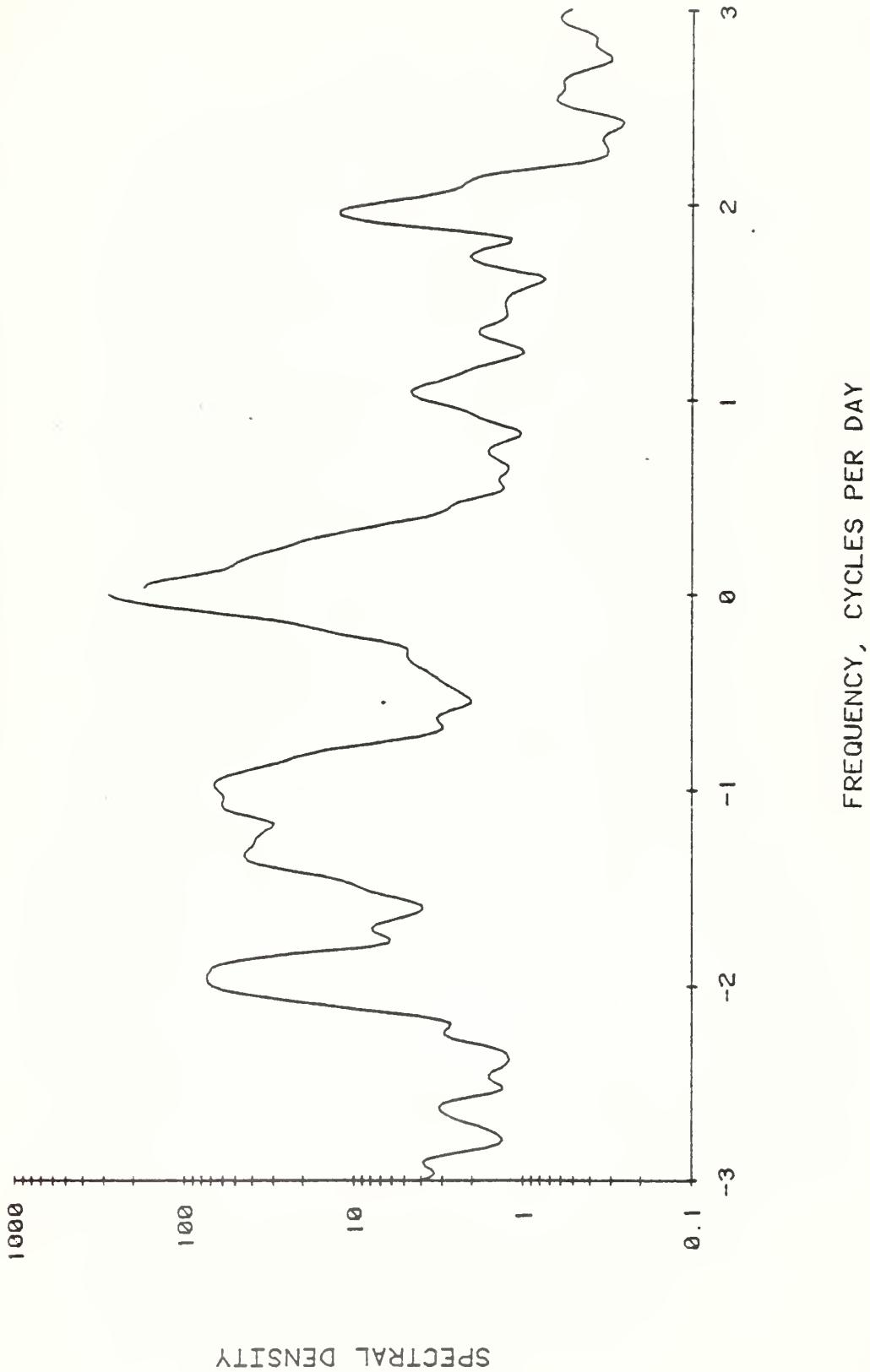


127 M AT STN 7. 8 OCT 79 - 23 NOV 79. TAPE 2760/3.

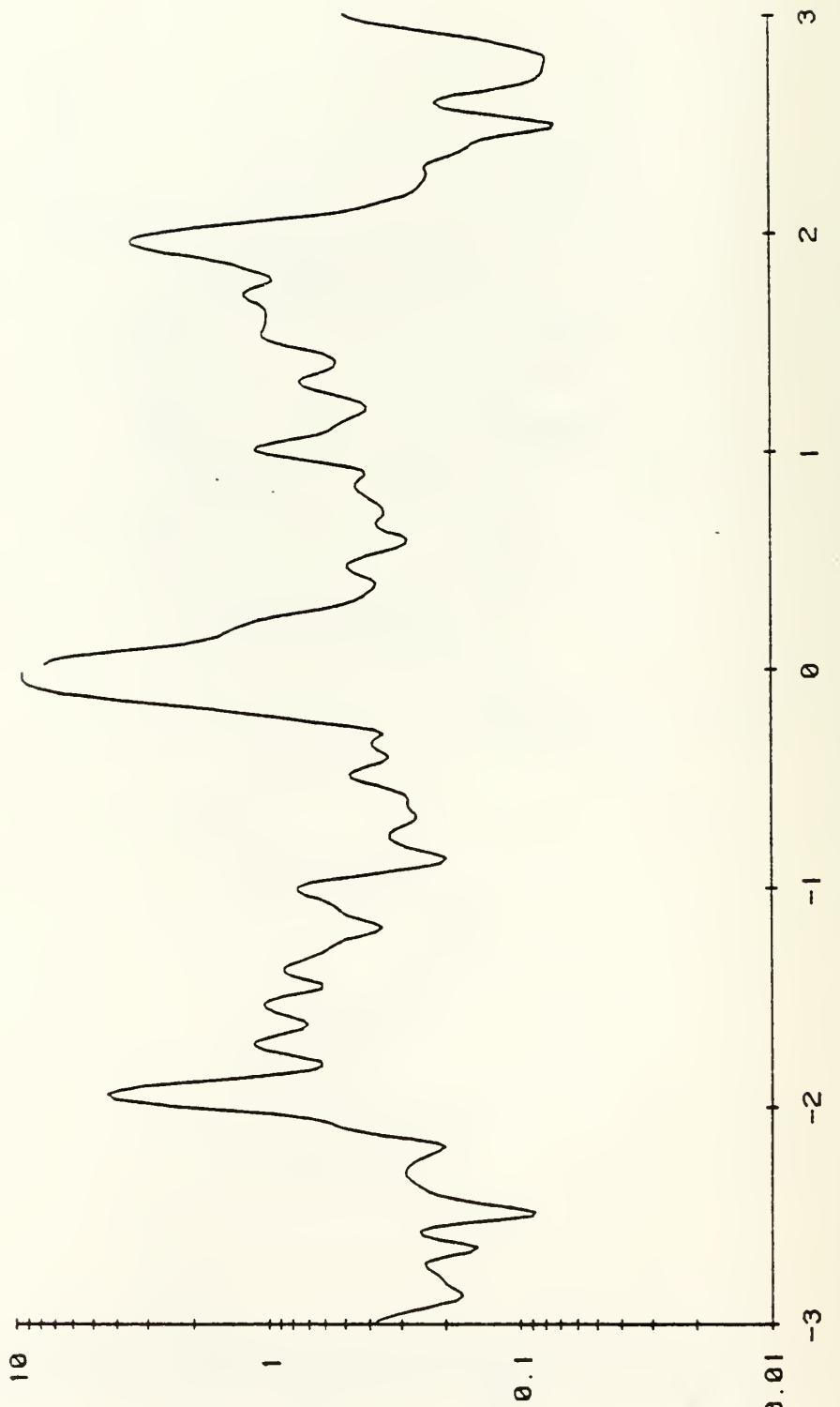


SPECTRAL DENSITY

200 M AT STN 7. 8 OCT 79 - 1 DEC 79. TAPE 842/10.

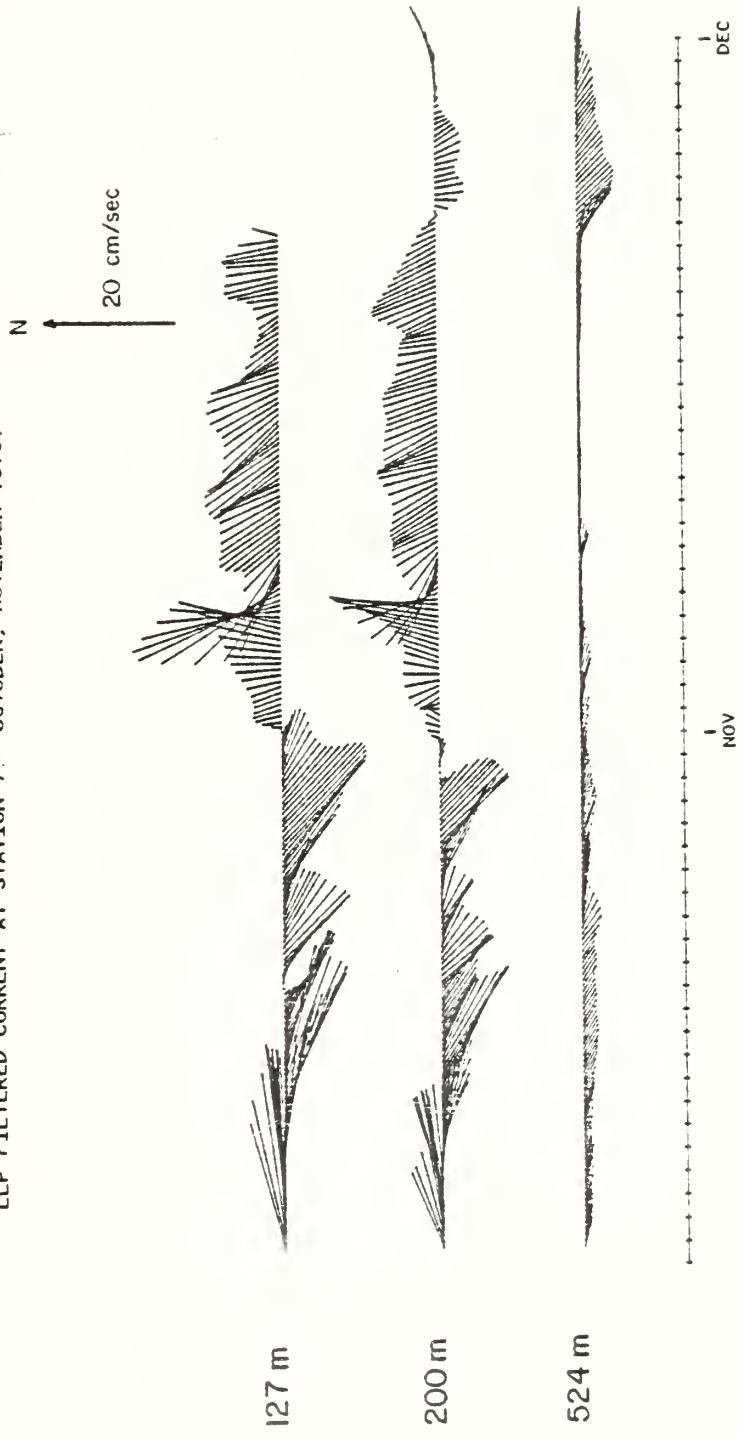


524 M AT STN 7. 8 OCT 79 - 2 DEC 79. TAPE 1495/5.

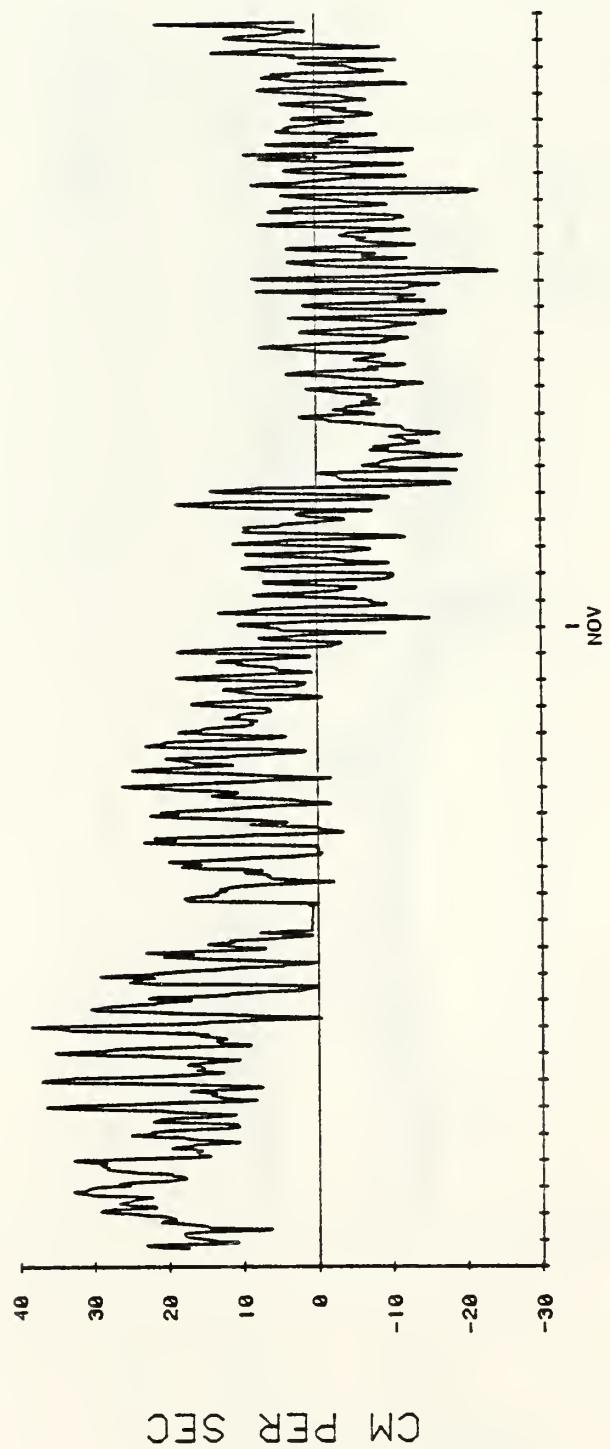


SPECTRAL DENSITY

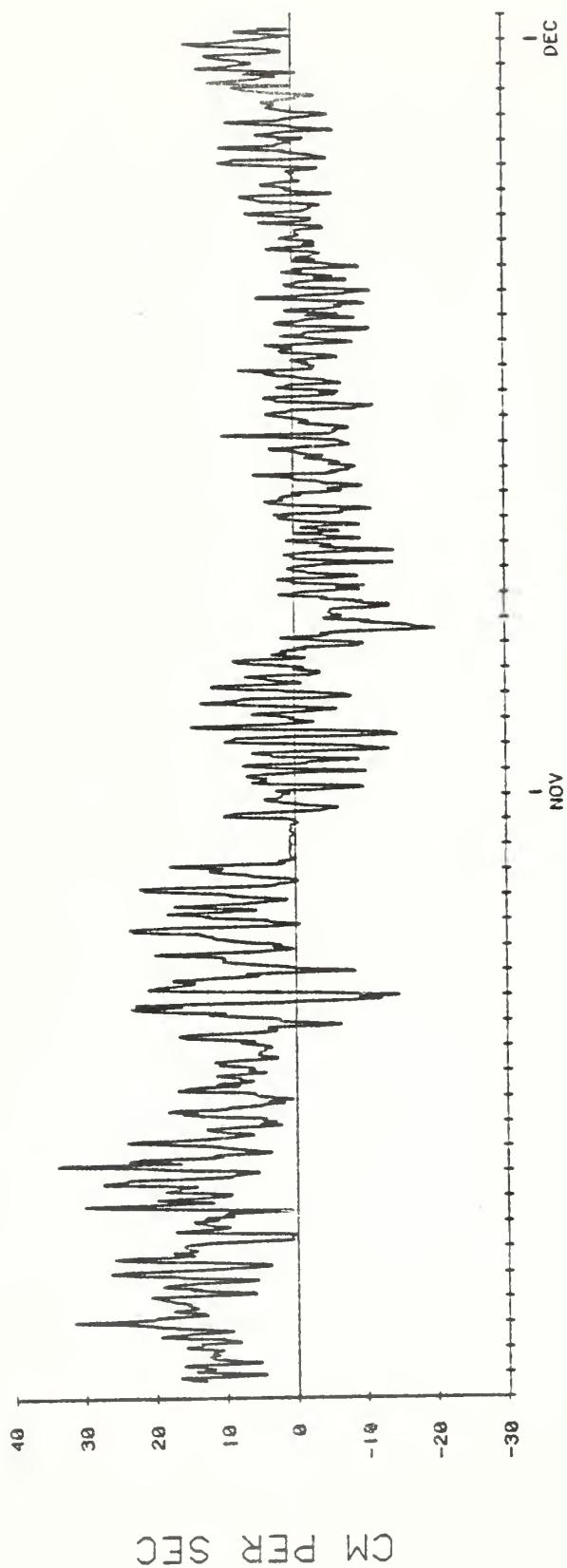
LLP FILTERED CURRENT AT STATION 7 OCTOBER, NOVEMBER 1978.

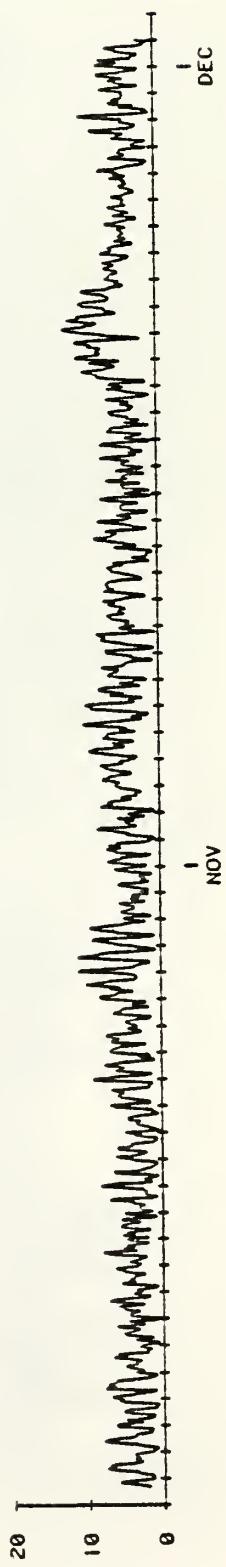


U COMPONENT. 127 M AT STN 7.



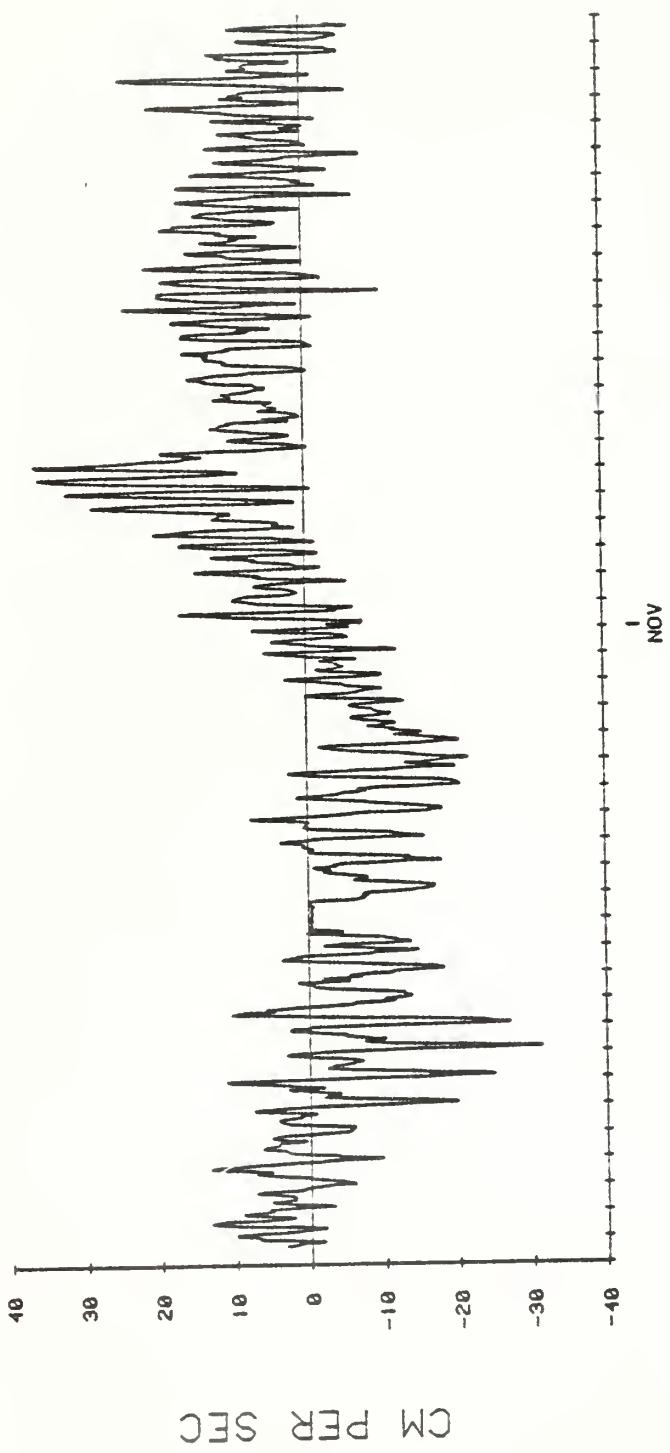
U COMPONENT . 200 M AT STN 7 .





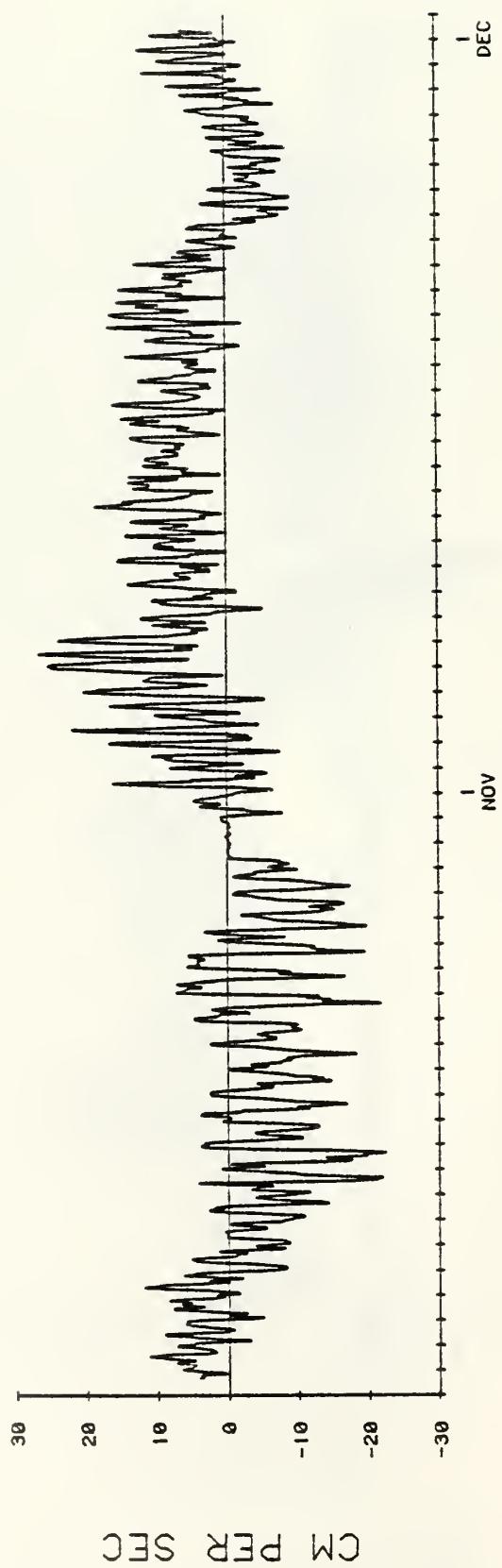
U COMPONENT . 524 M AT STN 7.

CM PER SEC

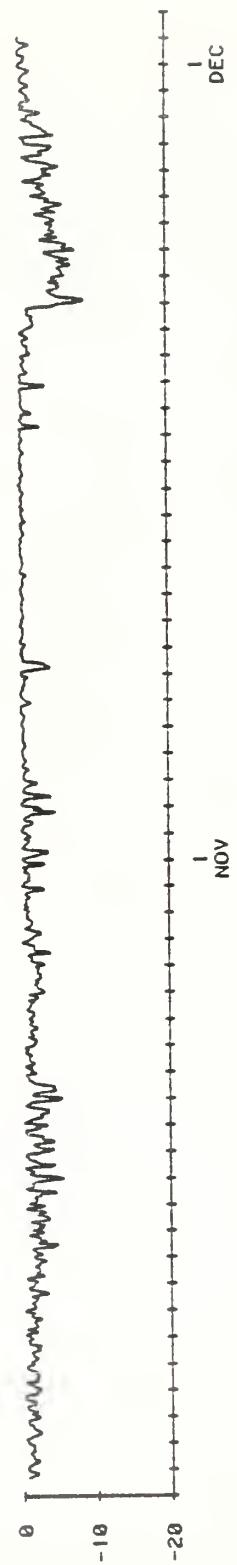


V COMPONENT. 127 M AT STN 7.

V COMPONENT . 200 M AT STN 7 .

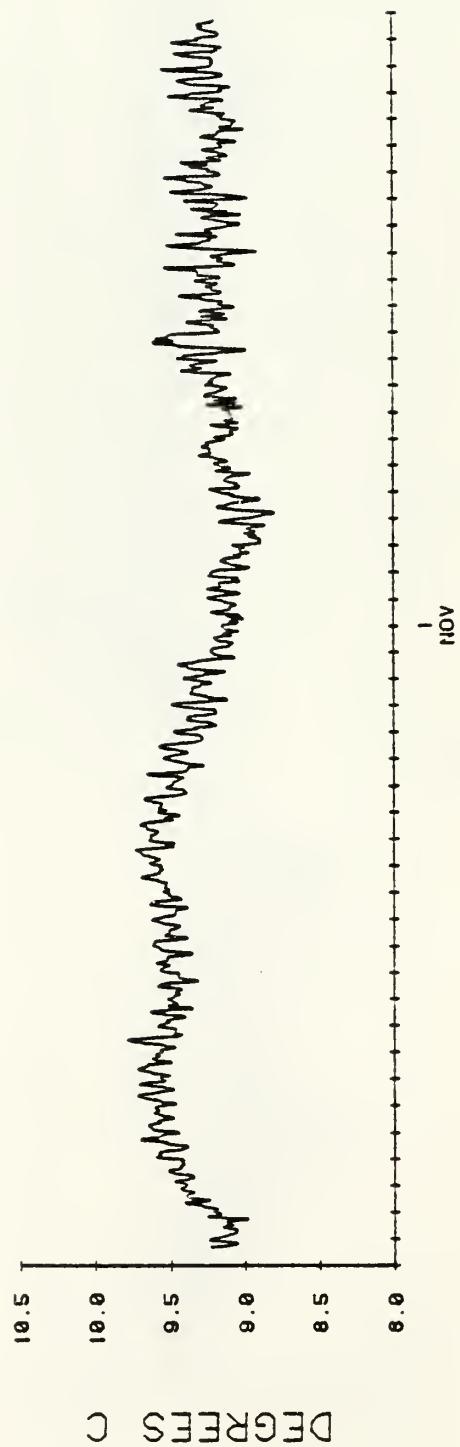


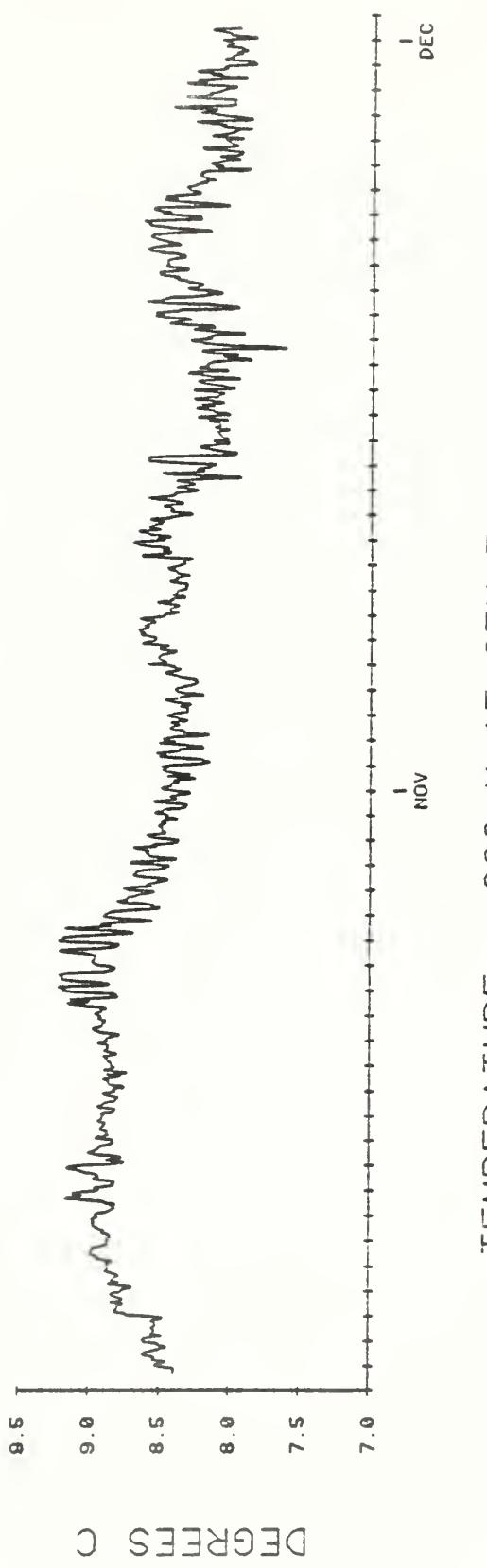
V COMPONENT . 524 M AT STN 7.



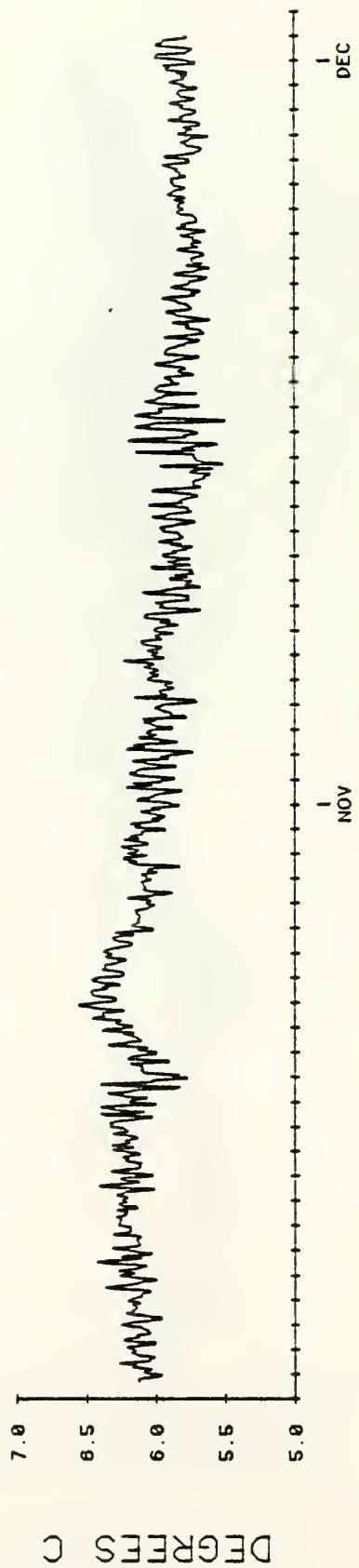
CM PER SEC

TEMPERATURE . 127 M AT STN 7.





TEMPERATURE . 200 M AT STN 7 .



TEMPERATURE . 524 M AT STN 7 .

STATION 2 - $35^{\circ} 51.8'N$, $121^{\circ} 33.8'W$
 27 NOV 79 - 20 JAN 80

Record #27, Depth 194 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	5.16	2.78	0.56	3.12	0.80	16.30	7841
U(cm/s)	-4.98	2.68	-0.51	3.06	-15.70	-0.70	7841
V(cm/s)	0.74	1.34	0.38	2.36	-2.40	5.40	7841
T(°C)	8.92	0.29	-0.13	3.26	7.85	10.01	7841

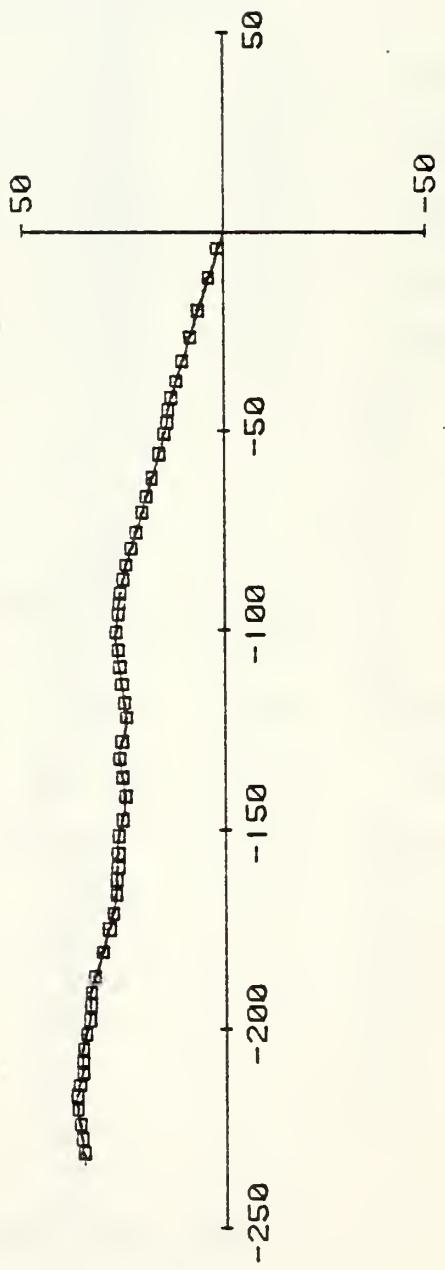
Record #28, Depth 266 m

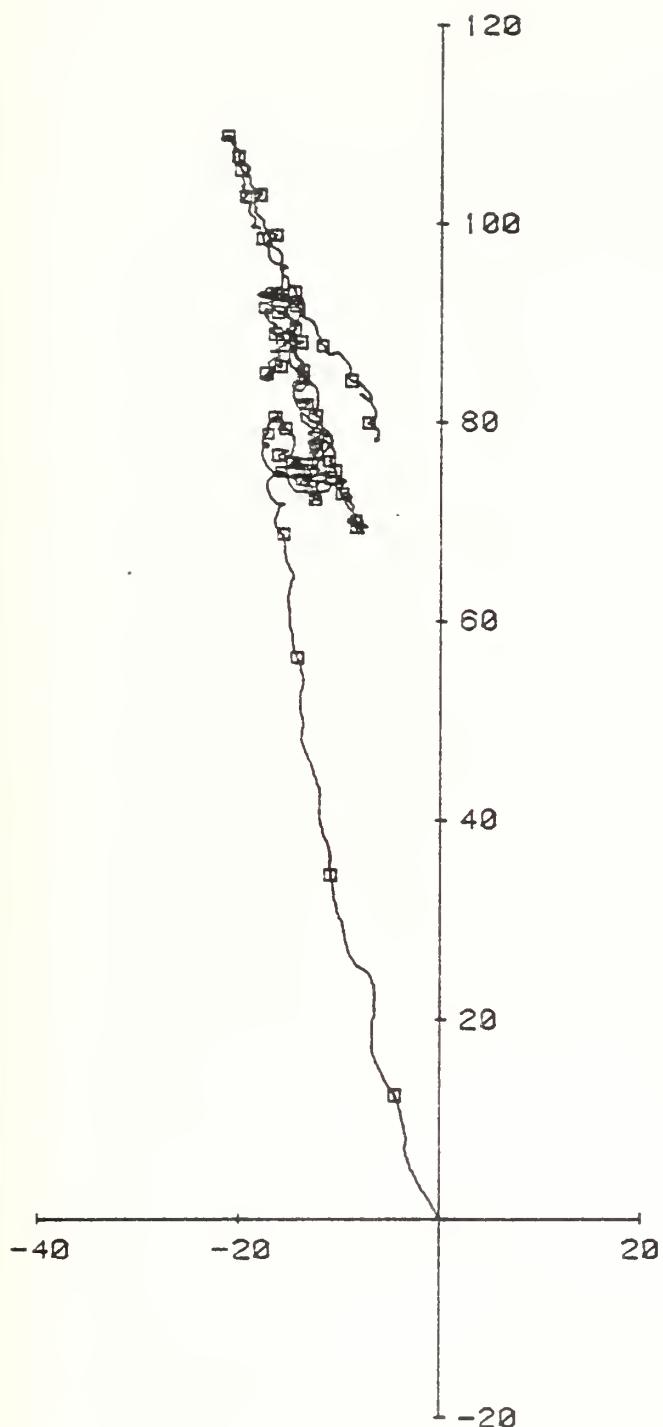
S(cm/s)	8.70	6.22	1.69	6.96	0.80	41.50	7787
U(cm/s)	-0.14	6.15	-0.20	3.30	-24.20	22.70	7787
V(cm/s)	1.68	8.59	1.09	5.25	-20.70	41.10	7787
T(°C)	8.20	0.27	-0.42	3.63	7.16	9.00	7787
Z(meters)	282.85	0.39	3.70	22.48	281.40	286.10	7787

Record #29, Depth 389 m

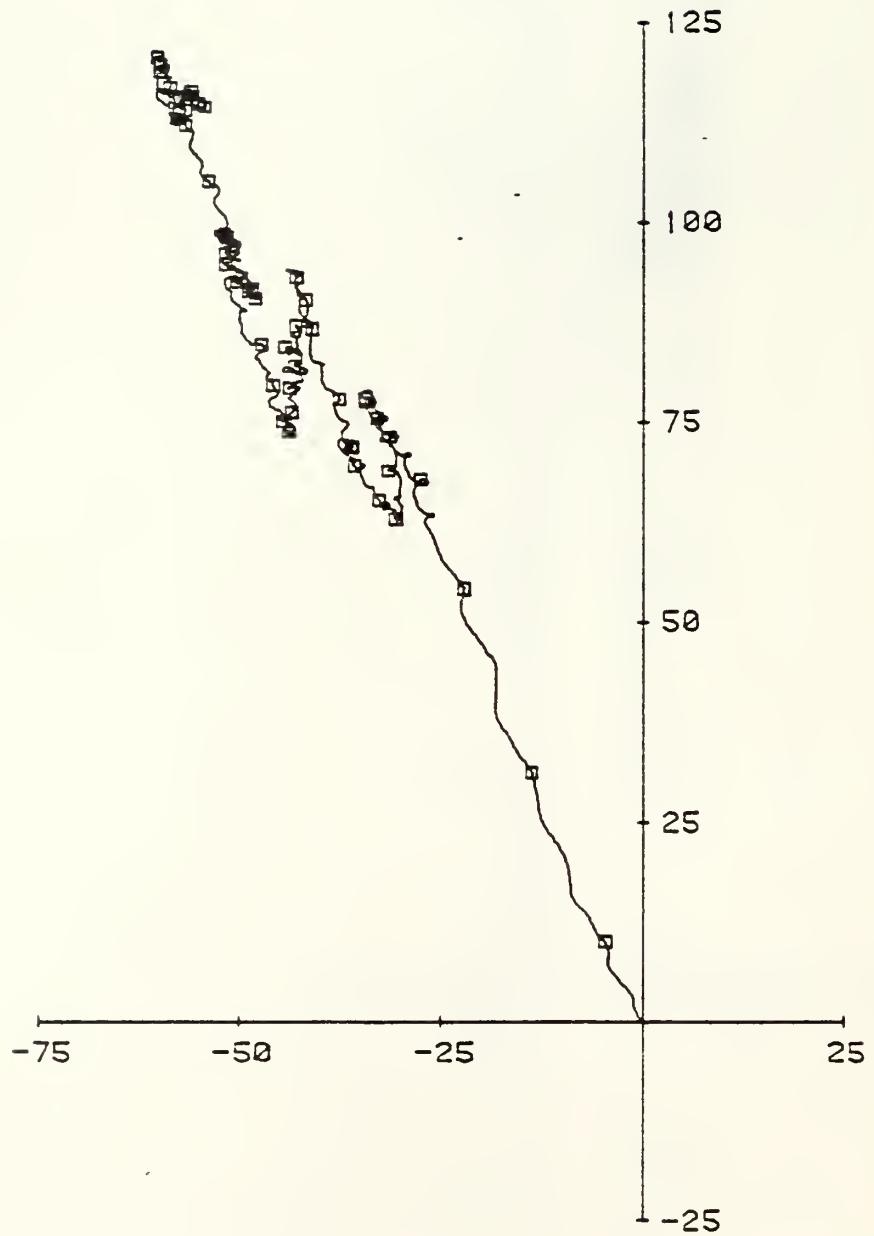
S(cm/s)	10.59	7.01	1.24	4.89	0.80	42.40	7699
U(cm/s)	-1.25	8.27	-0.06	3.14	-29.60	26.00	7699
V(cm/s)	2.48	9.24	0.47	4.28	-31.20	37.00	7699
T(°C)	6.94	0.28	-0.05	2.45	6.22	7.81	7699

194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.



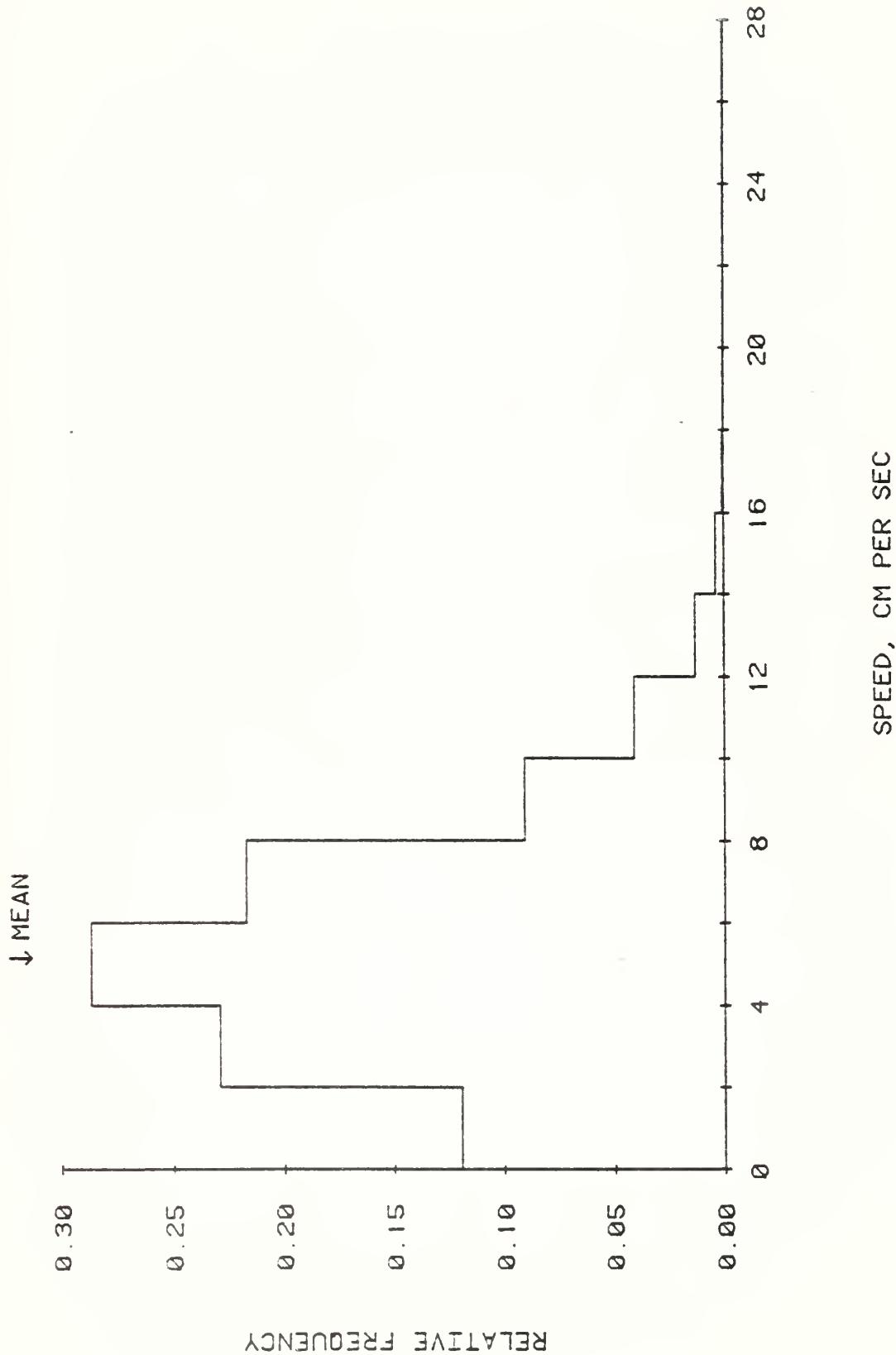


266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



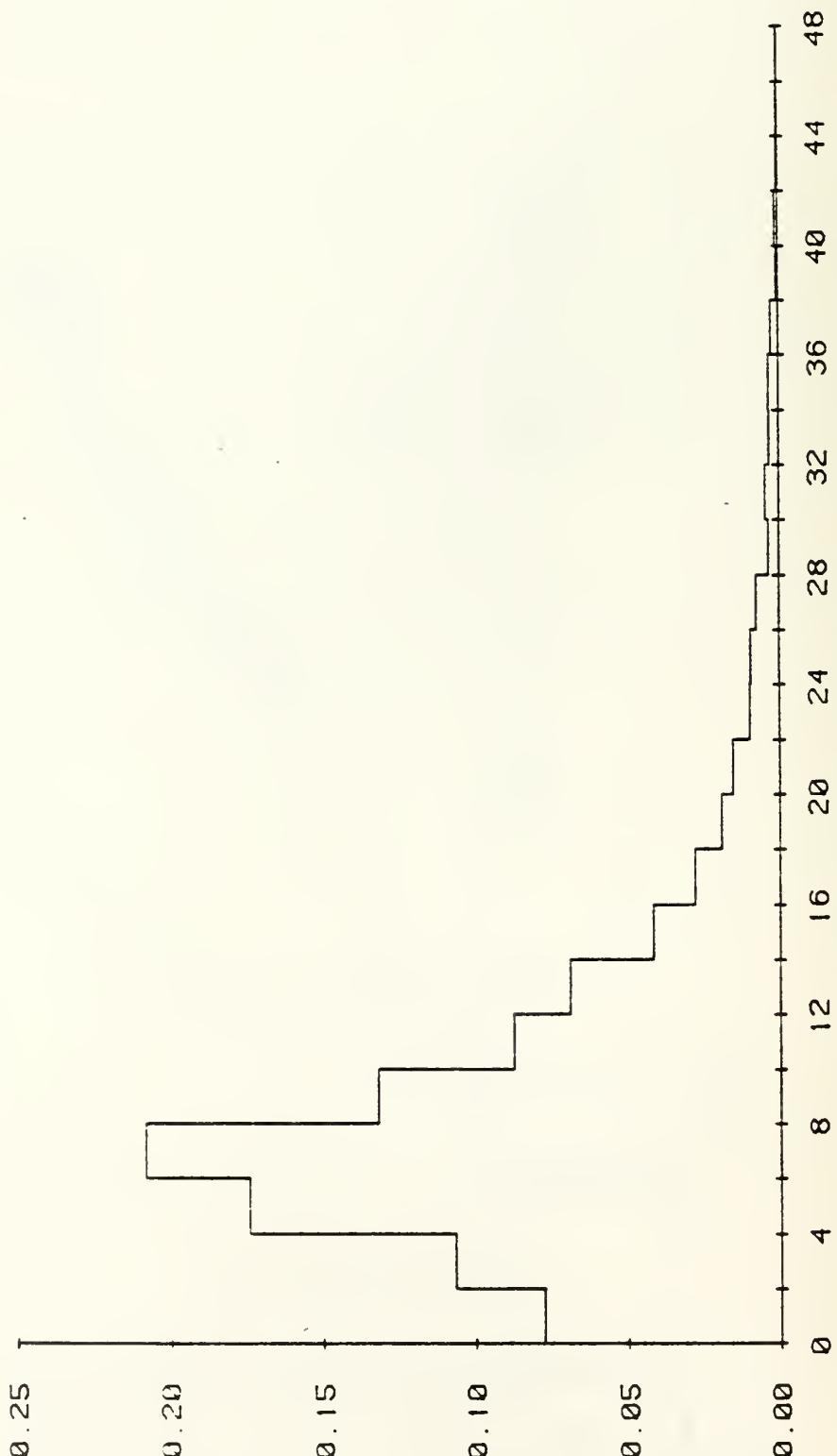
389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.

194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.



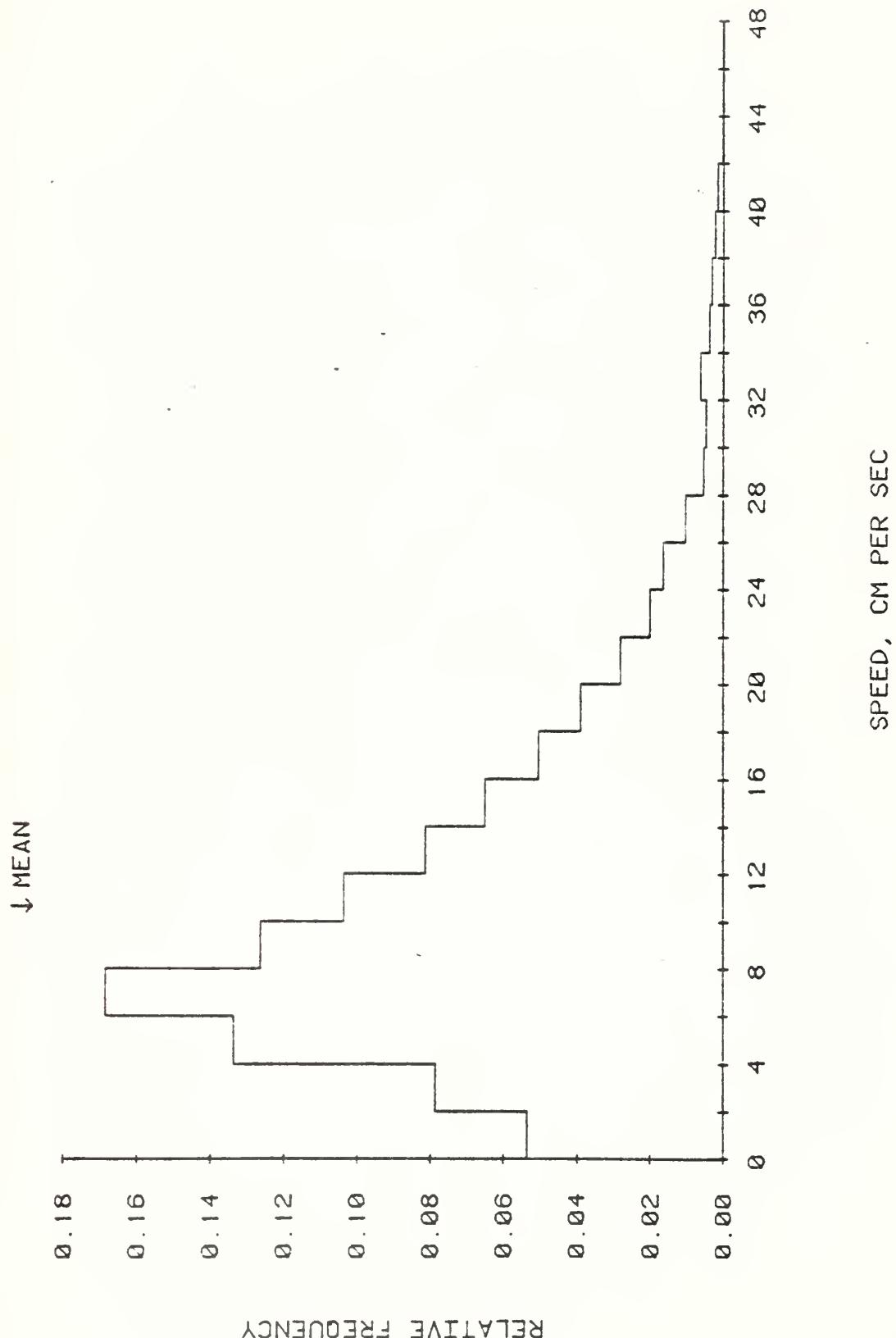
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.

↓ MEAN

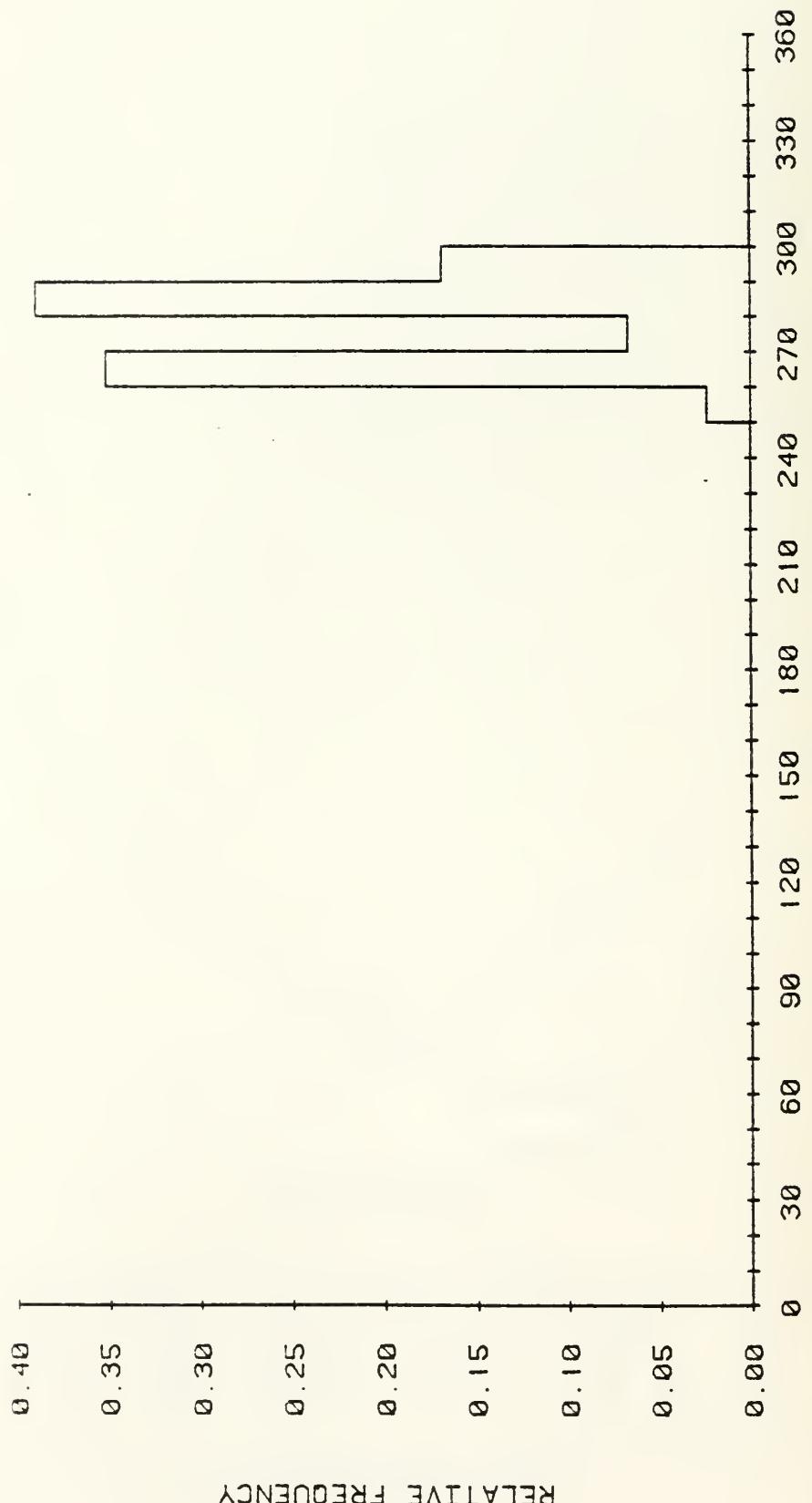


RELATIVE FREQUENCY

389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.

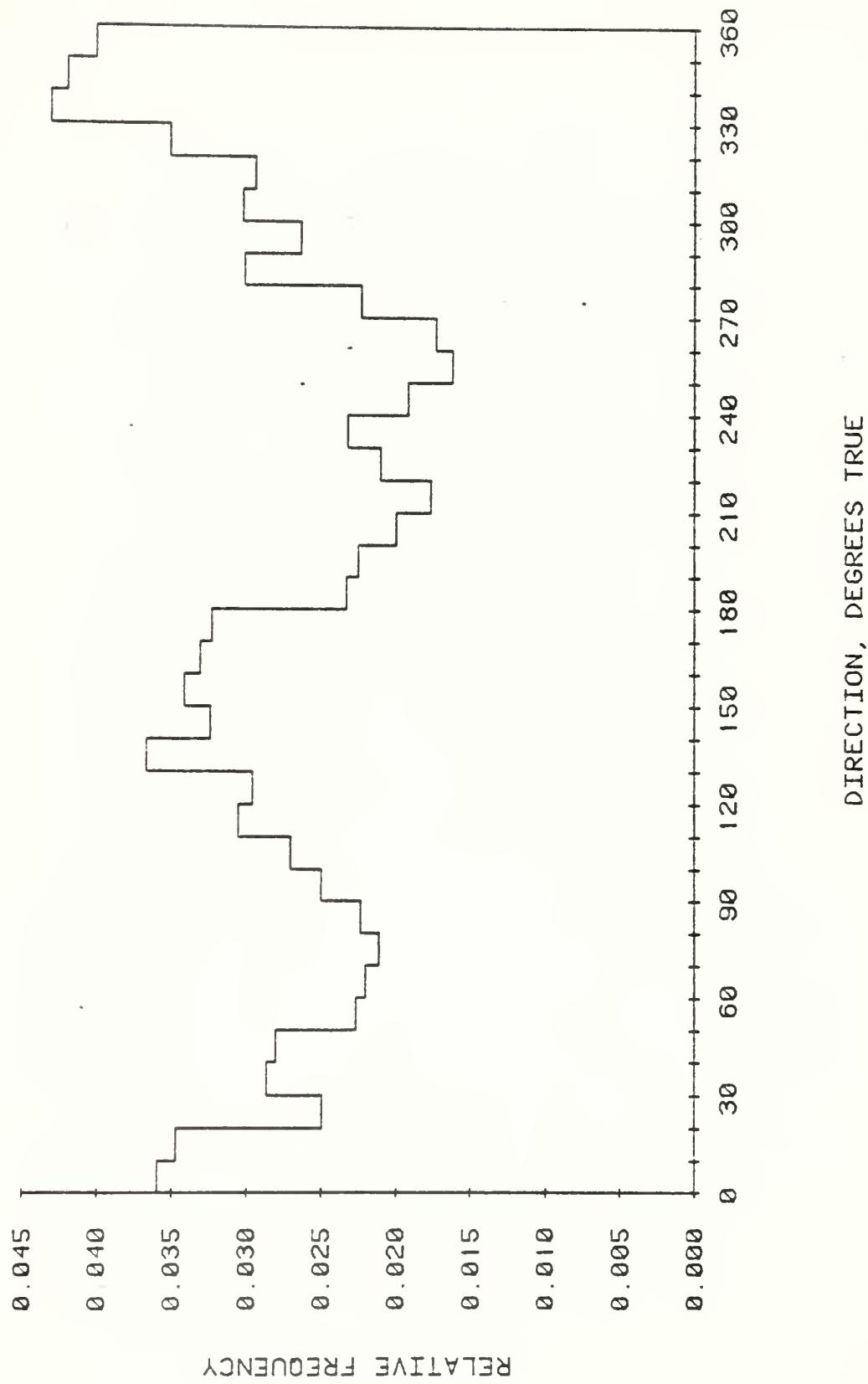


194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.



DIRECTION, DEGREES TRUE

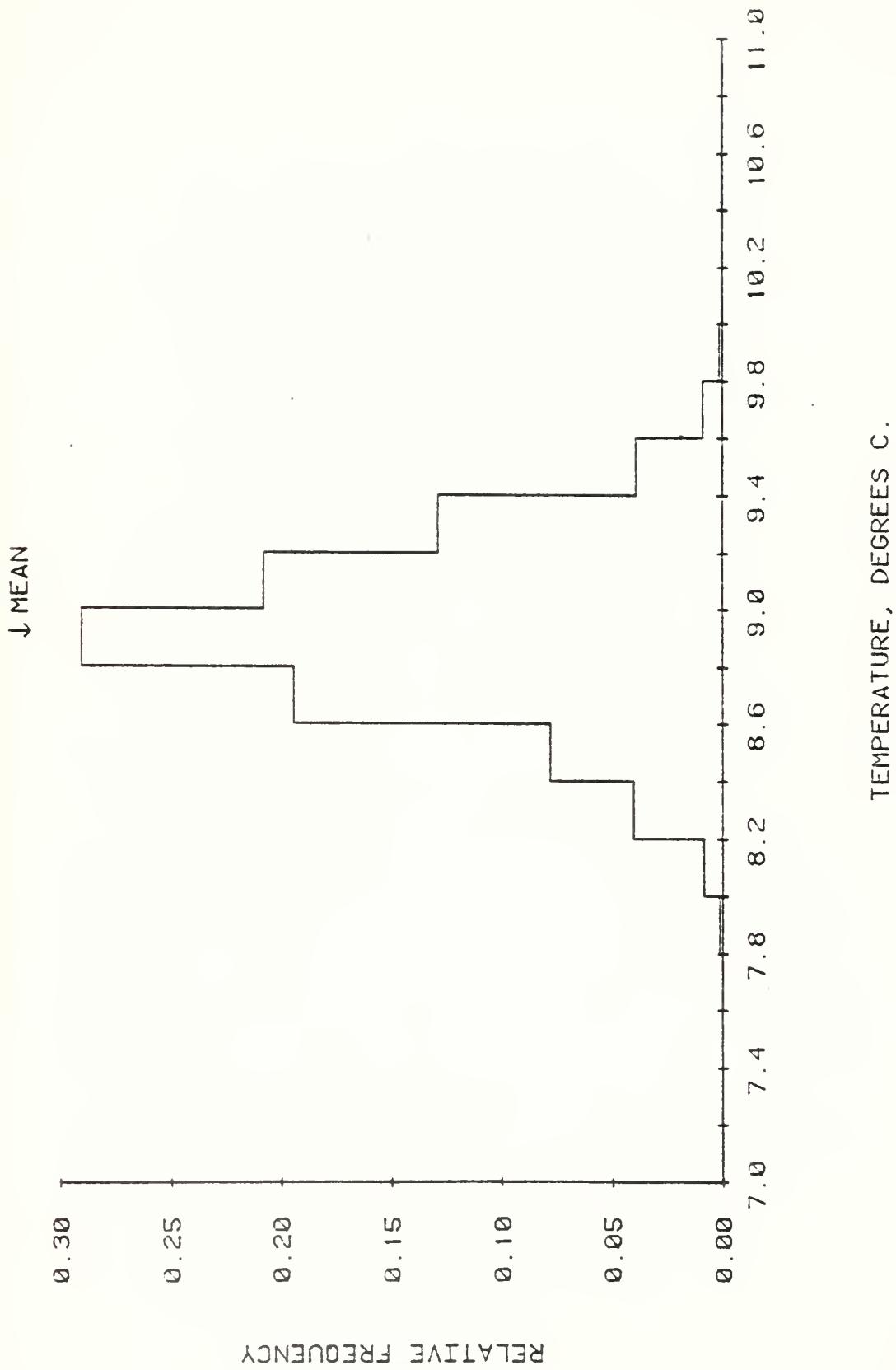
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



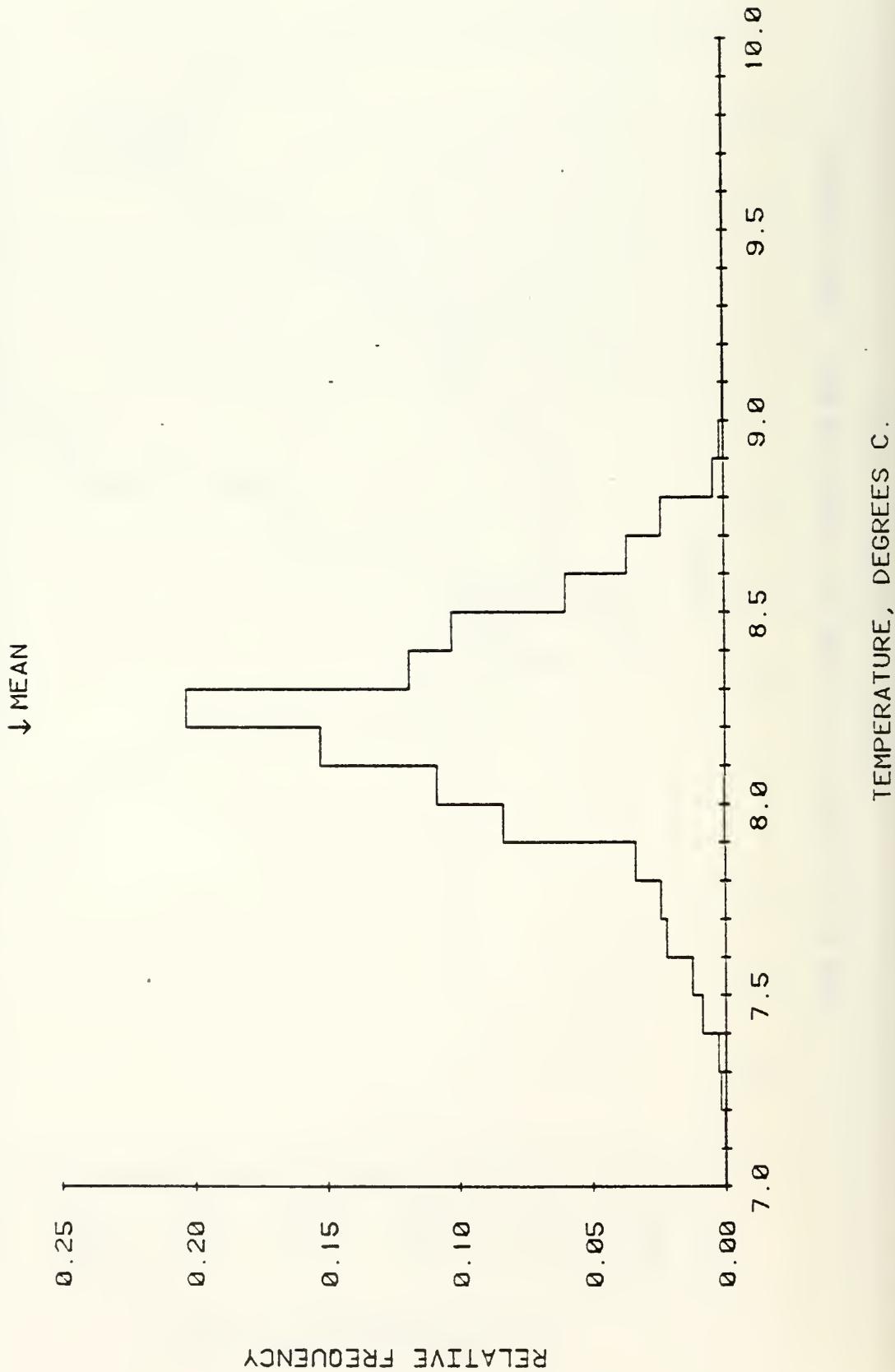
389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.



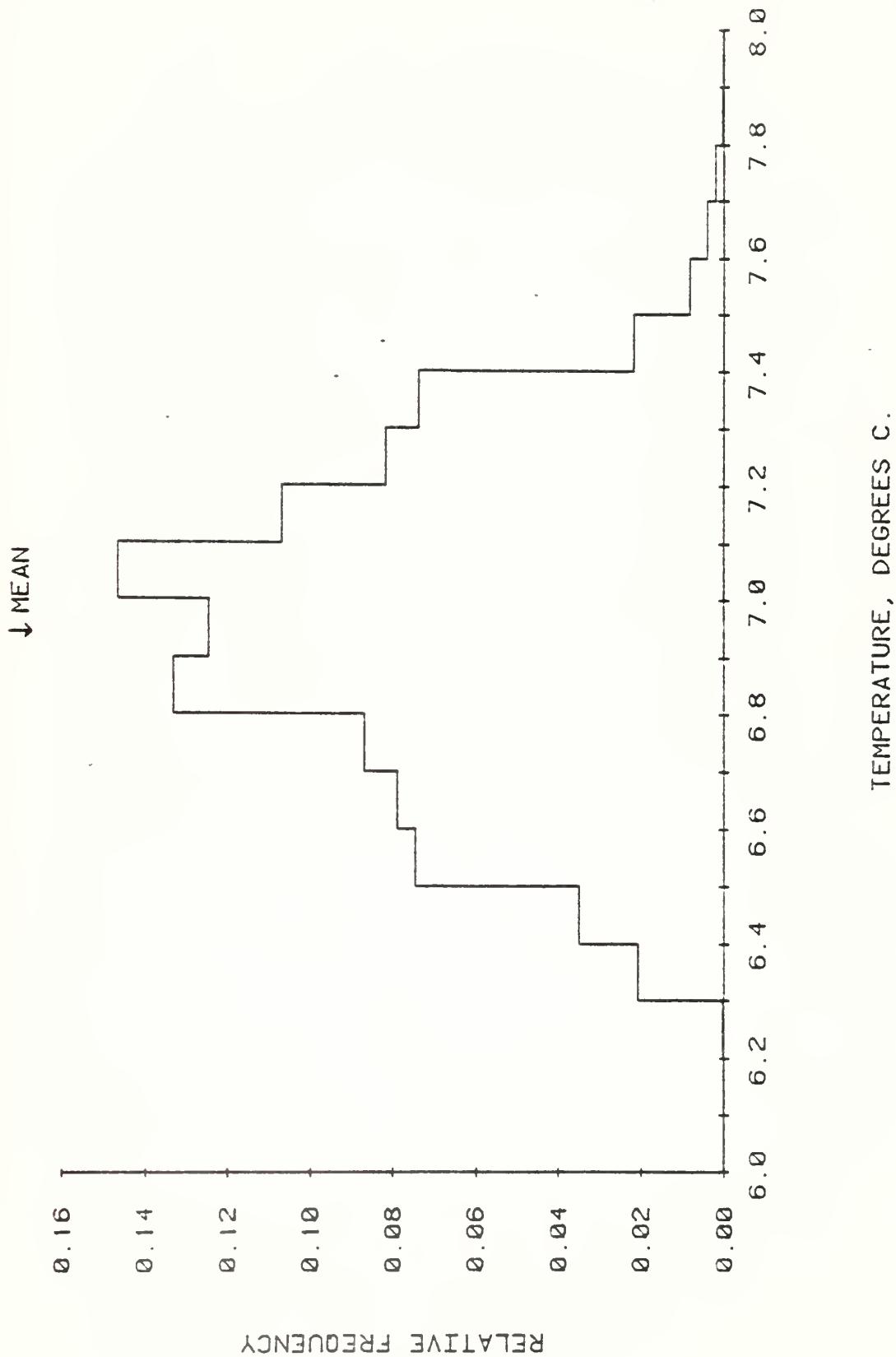
194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.



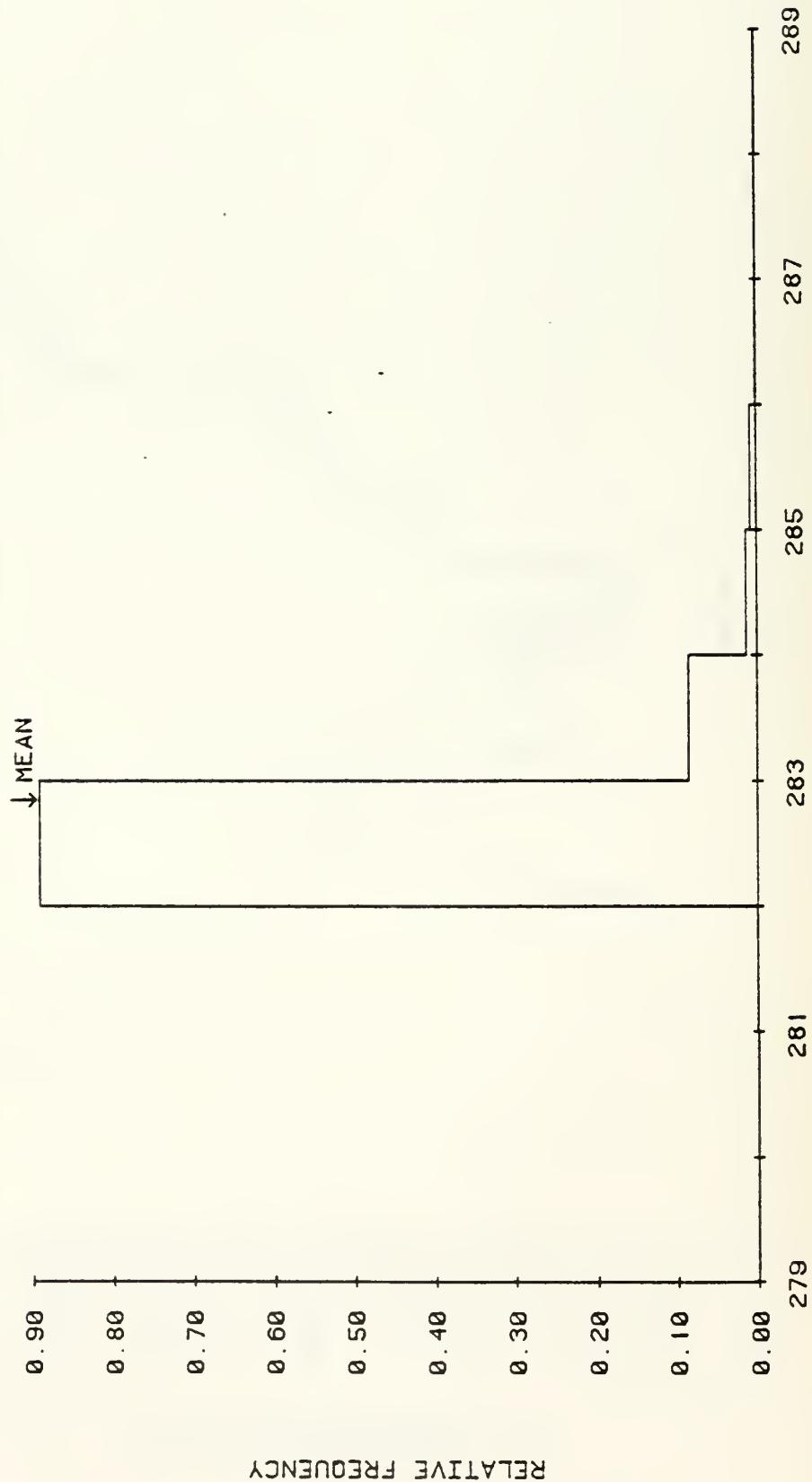
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



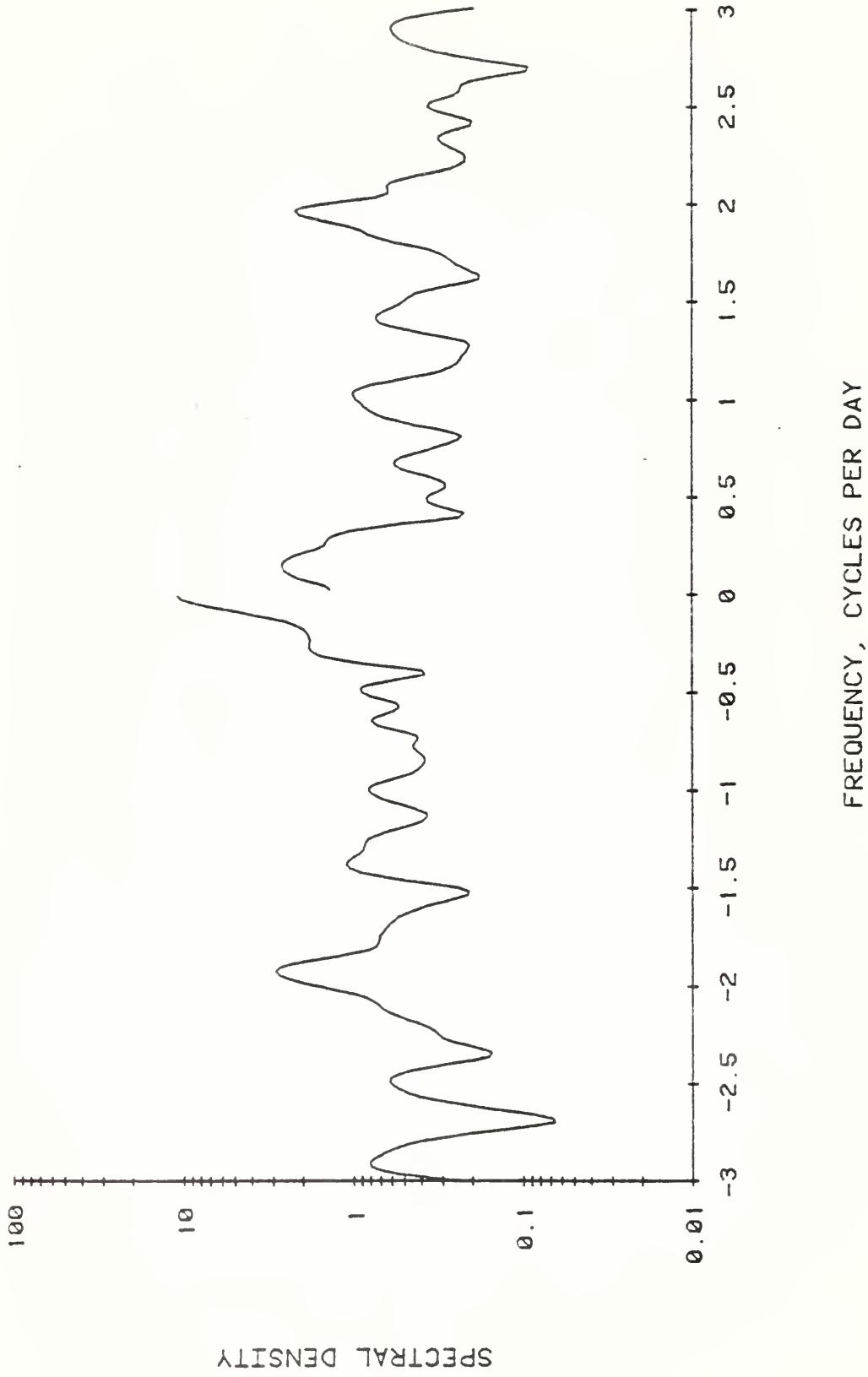
389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.



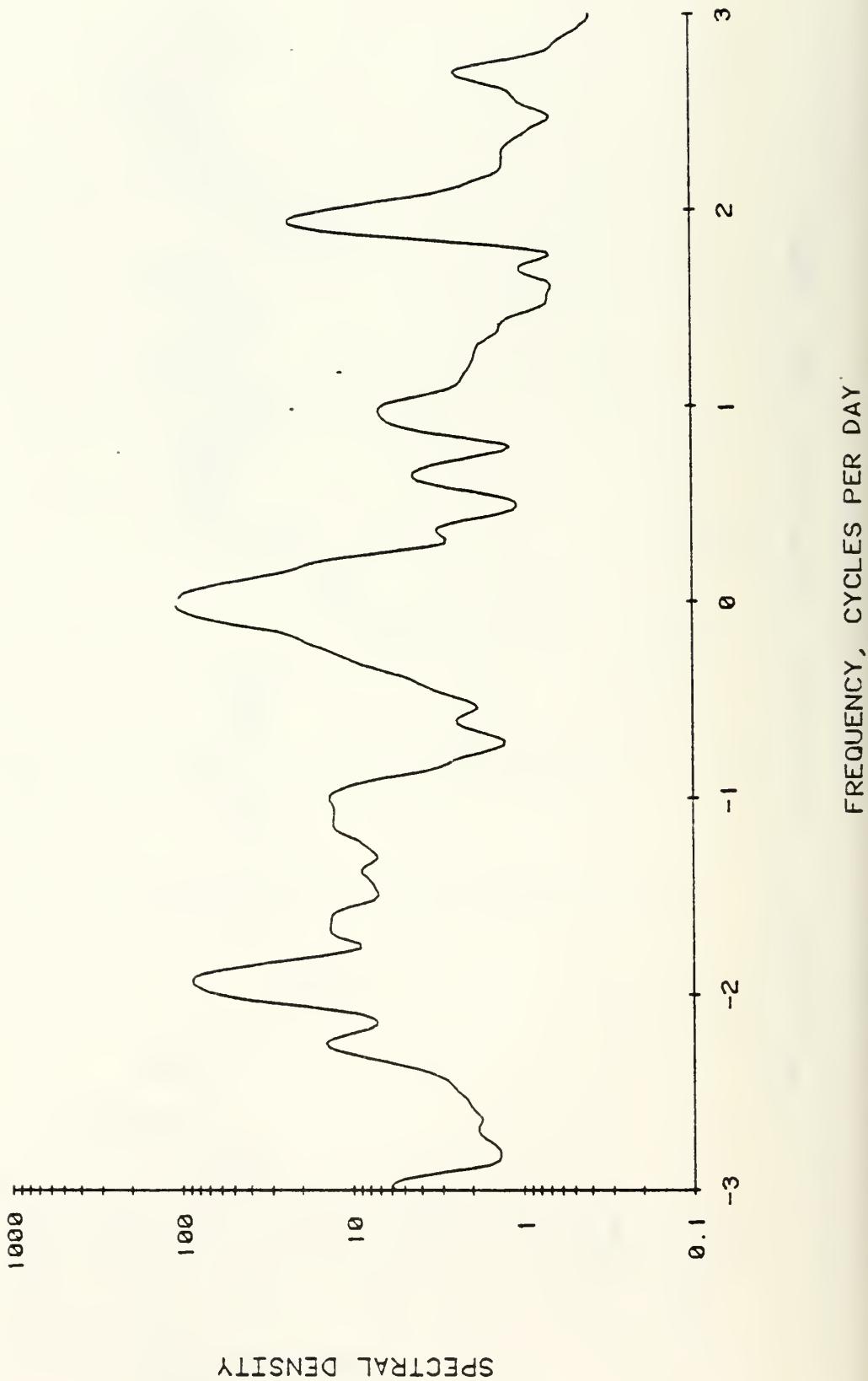
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



194 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1965/5.

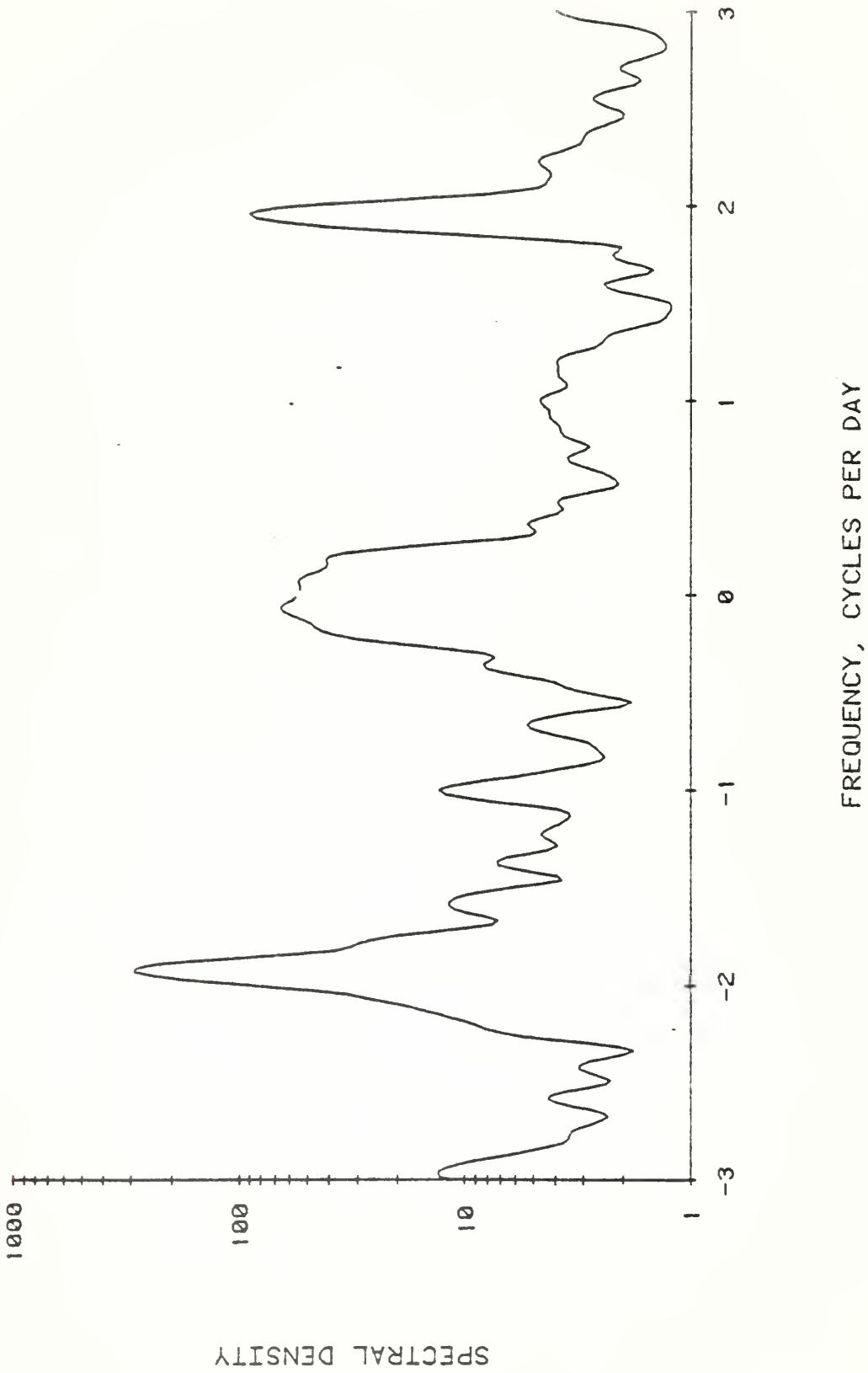


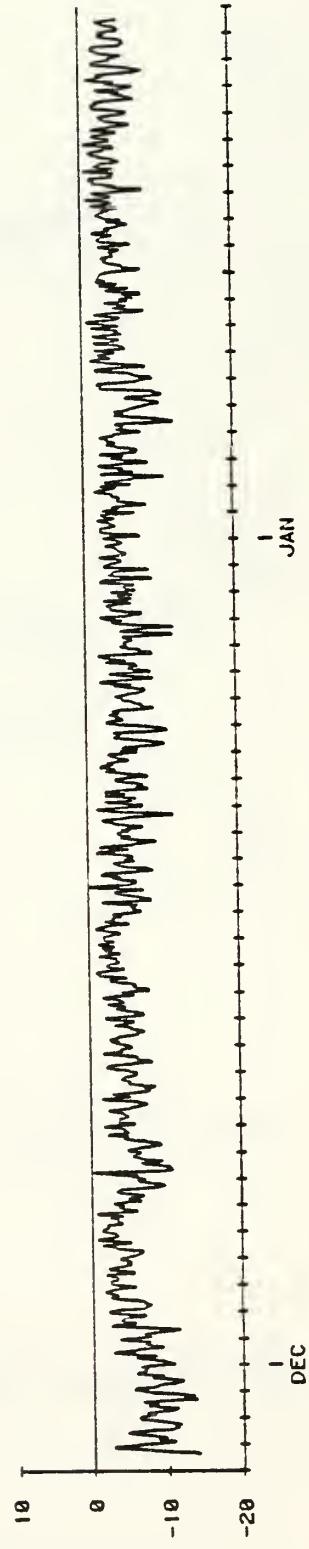
266 M AT STN 2. 27 NOV 79 - 20 JAN 80. TAPE 1319/5.



SPECTRAL DENSITY

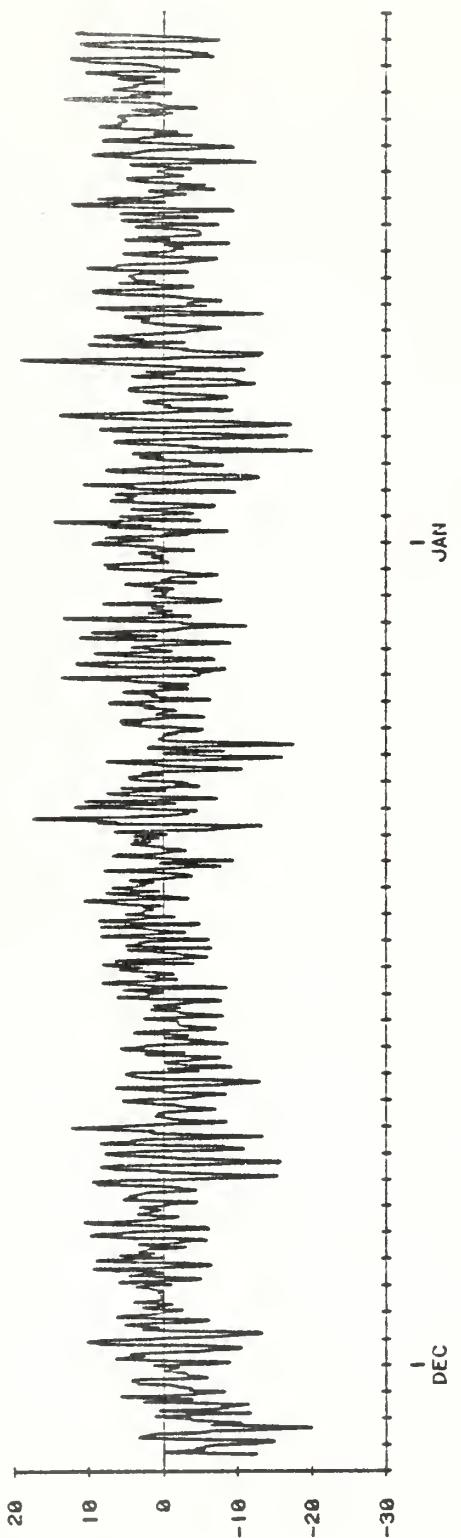
389 M AT STN 2. 27 NOV 79 - 19 JAN 80. TAPE 2759/4.





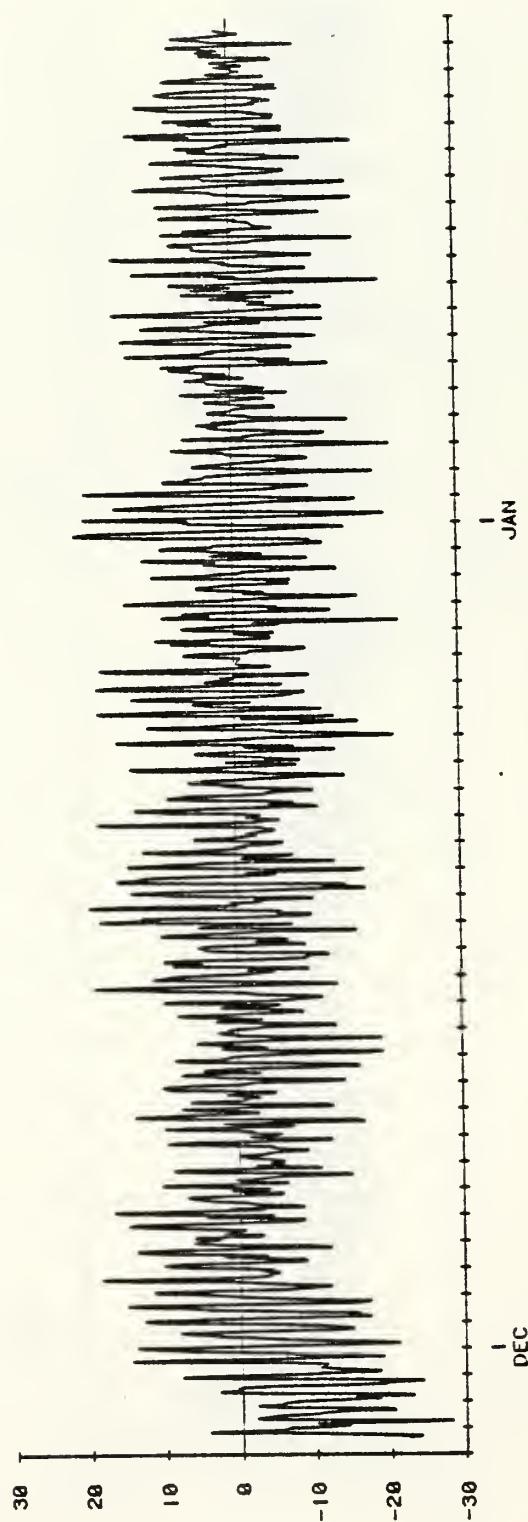
U COMPONENT . 1941 AT STN 2.

CM PER SEC



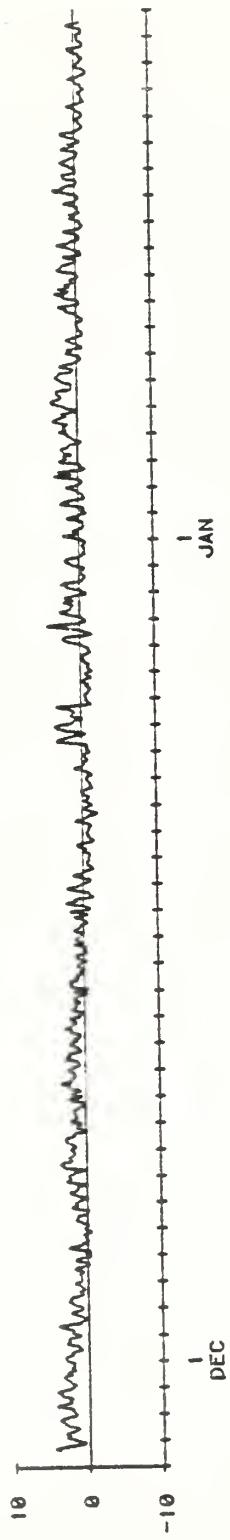
U COMPONENT . 266 M AT STN 2.

CM PER SEC

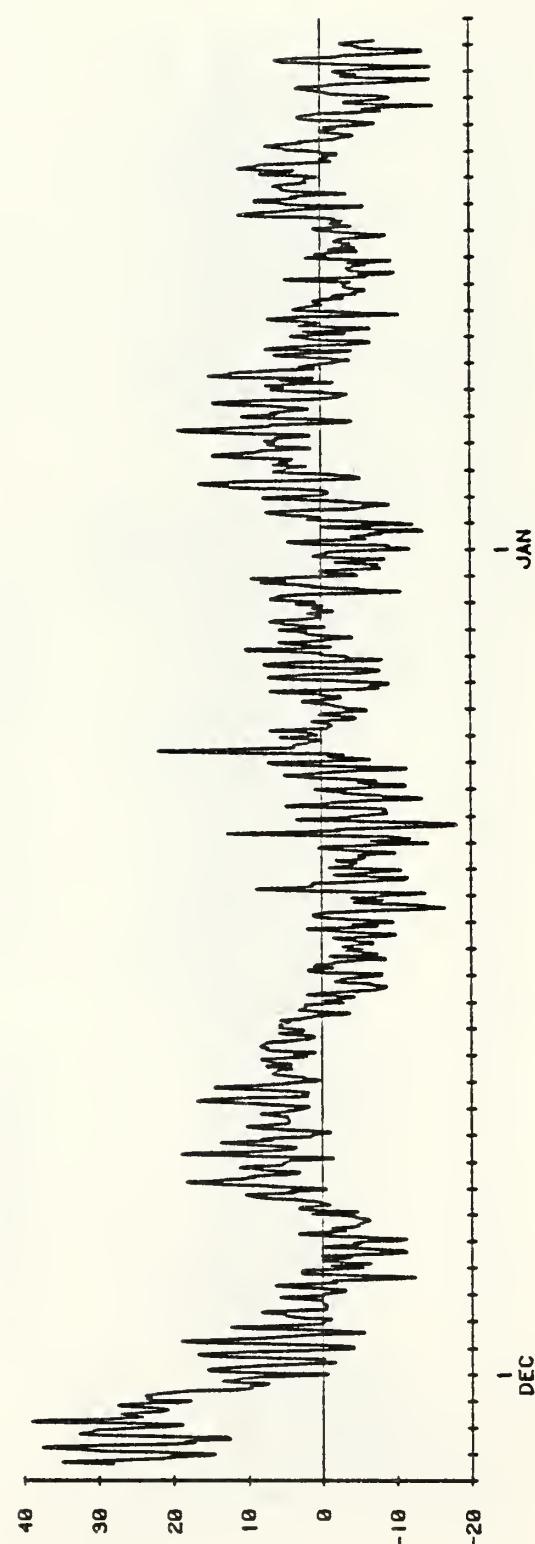


U COMPONENT . 389 M AT STN 2 .

V COMPONENT 194 M AT STN 2.



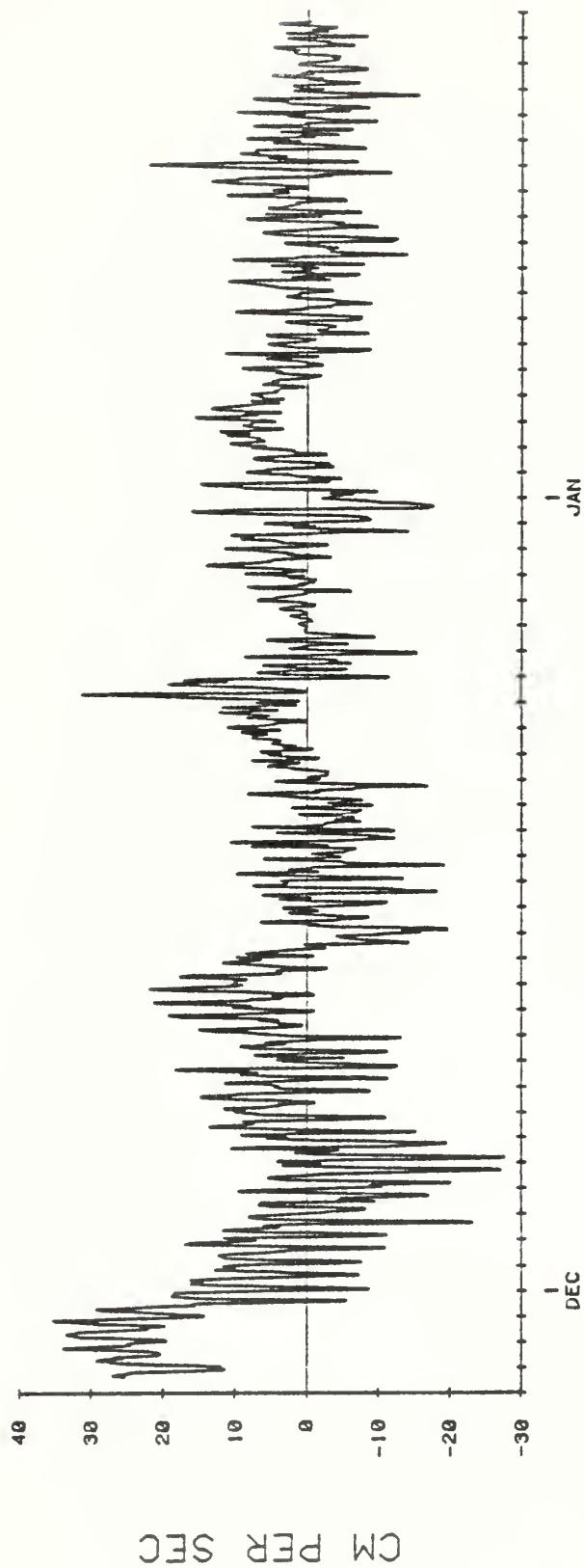
CM PER SEC

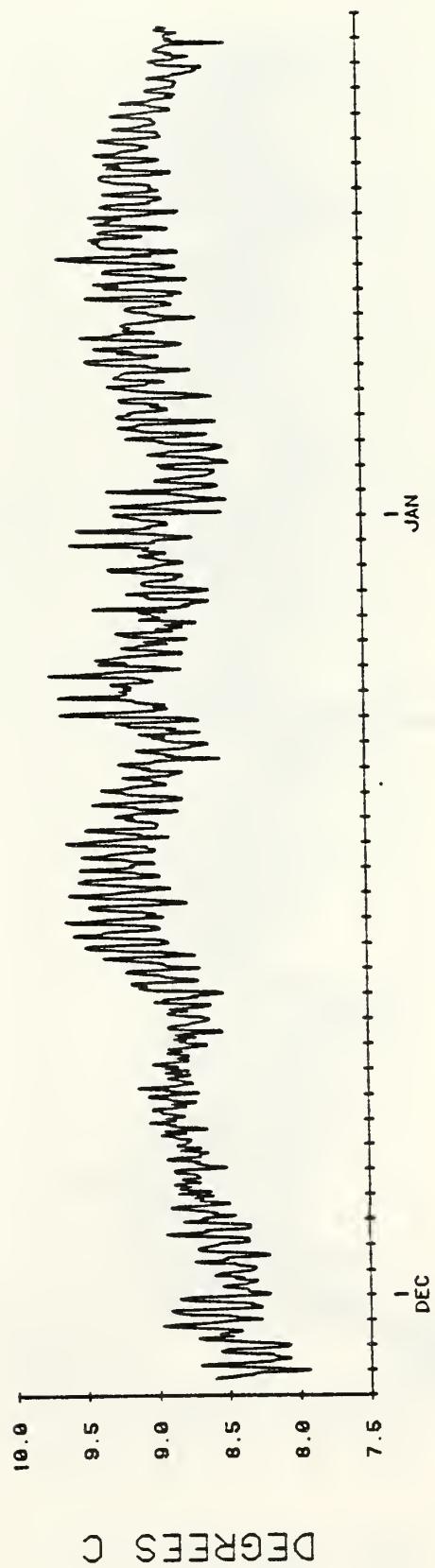


V COMPONENT . 266 M AT STN 2 .

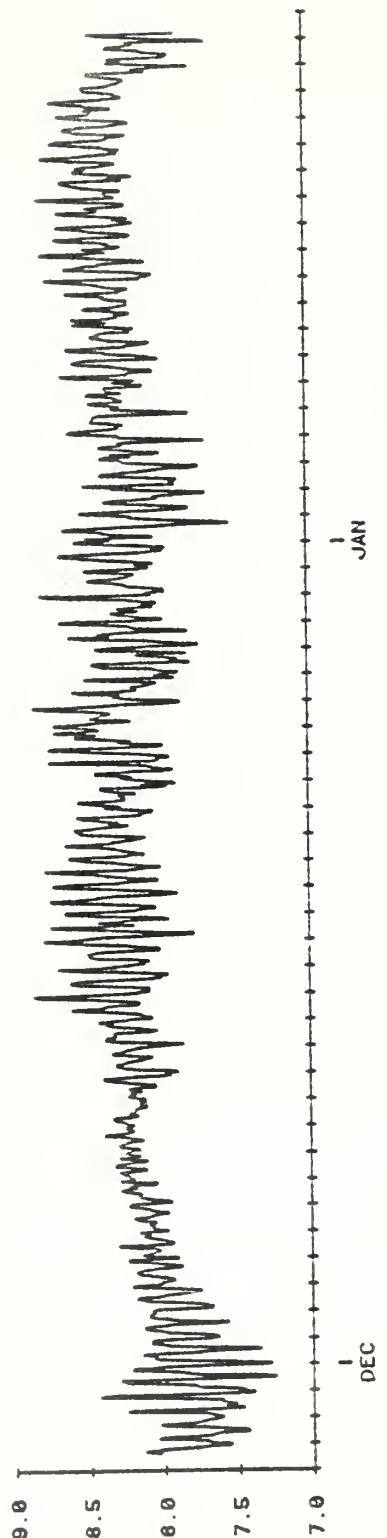
CM PER SEC

V COMPONENT . 389 M AT STN 2.

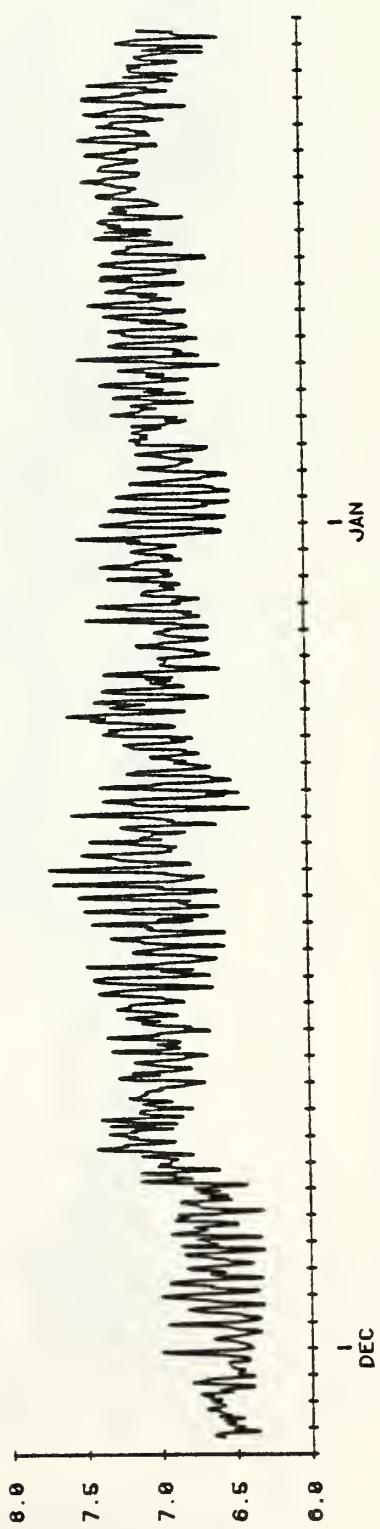




TEMPERATURE. 194 M AT STN 2.



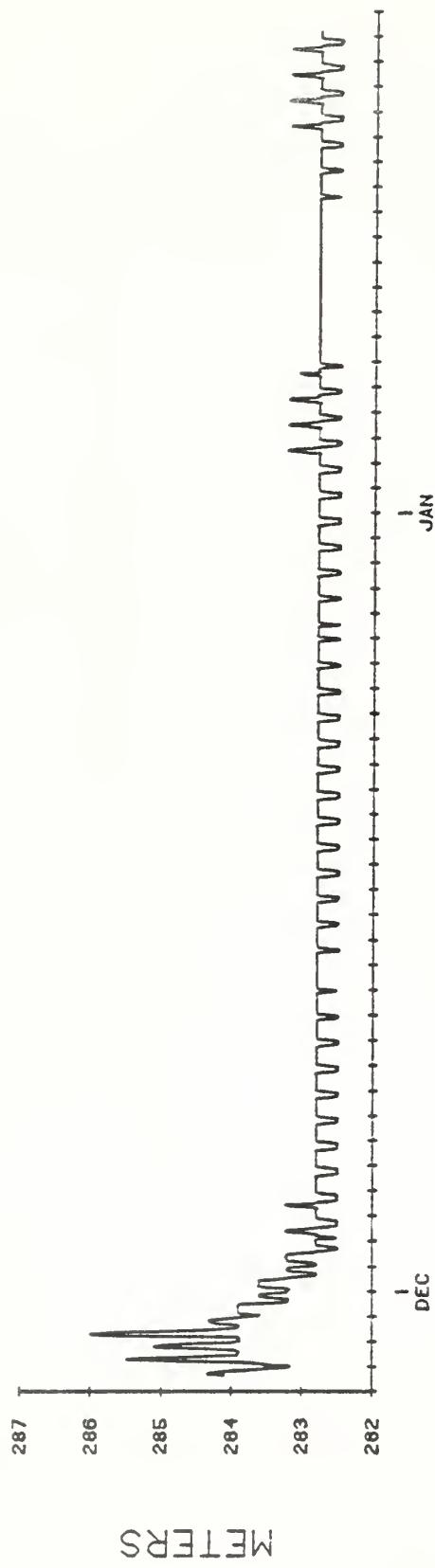
TEMPERATURE . 266 M AT STN 2 .

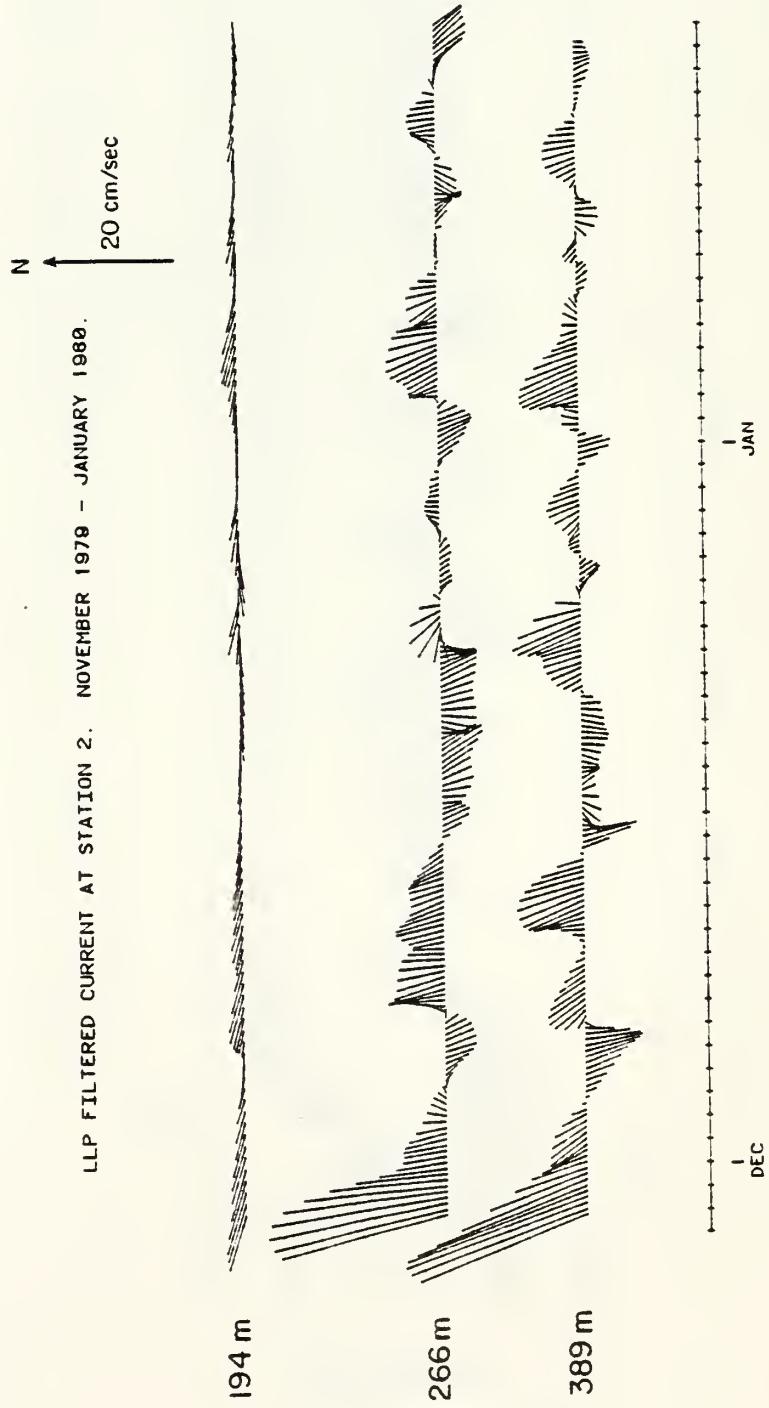


TEMPERATURE . 389 M AT STN 2.

DEGREES C

DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2





STATION 7 - 35° 52.2'N, 121° 46.4'W
 4 MAR 80 - 15 APR 80

Record #30, Depth 113 m

	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	5.14	2.47	0.64	3.08	0.80	14.90	6045
U(cm/s)	-3.88	1.95	-0.74	3.42	-12.70	-0.30	6045
V(cm/s)	3.32	1.63	0.78	3.67	0.30	10.90	6045
T(°C)	8.88	0.43	0.70	2.26	8.06	10.12	6045

Record #31, Depth 186 m

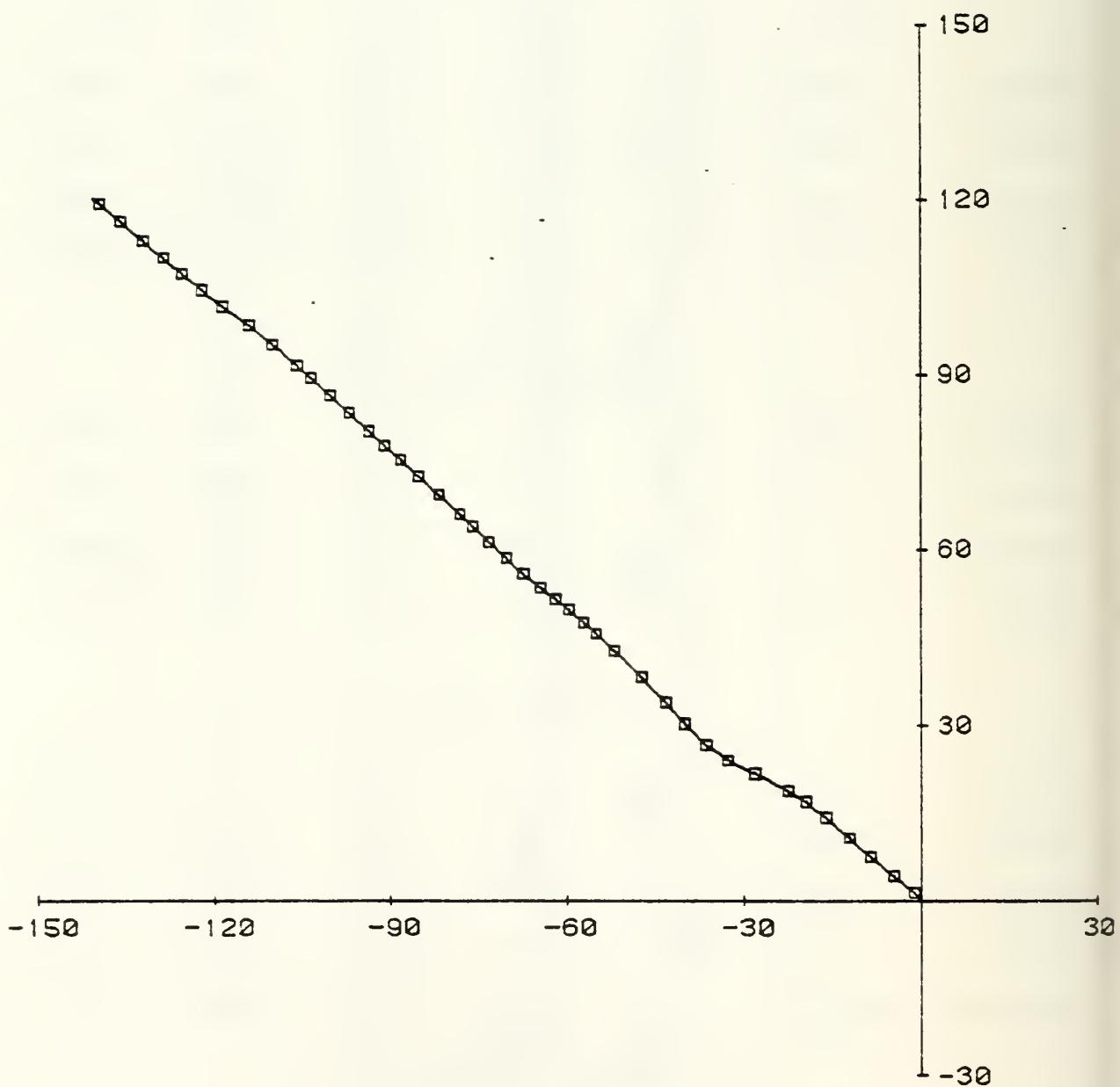
S(cm/s)	8.83	4.59	0.67	3.28	0.80	28.70	5787
U(cm/s)	-1.95	6.24	0.59	4.24	-22.50	27.80	5787
V(cm/s)	3.14	6.82	-0.40	3.29	-21.10	21.60	5787
T(°C)	8.19	0.36	0.63	2.31	7.53	9.62	5787

Record #32, Depth 311 m

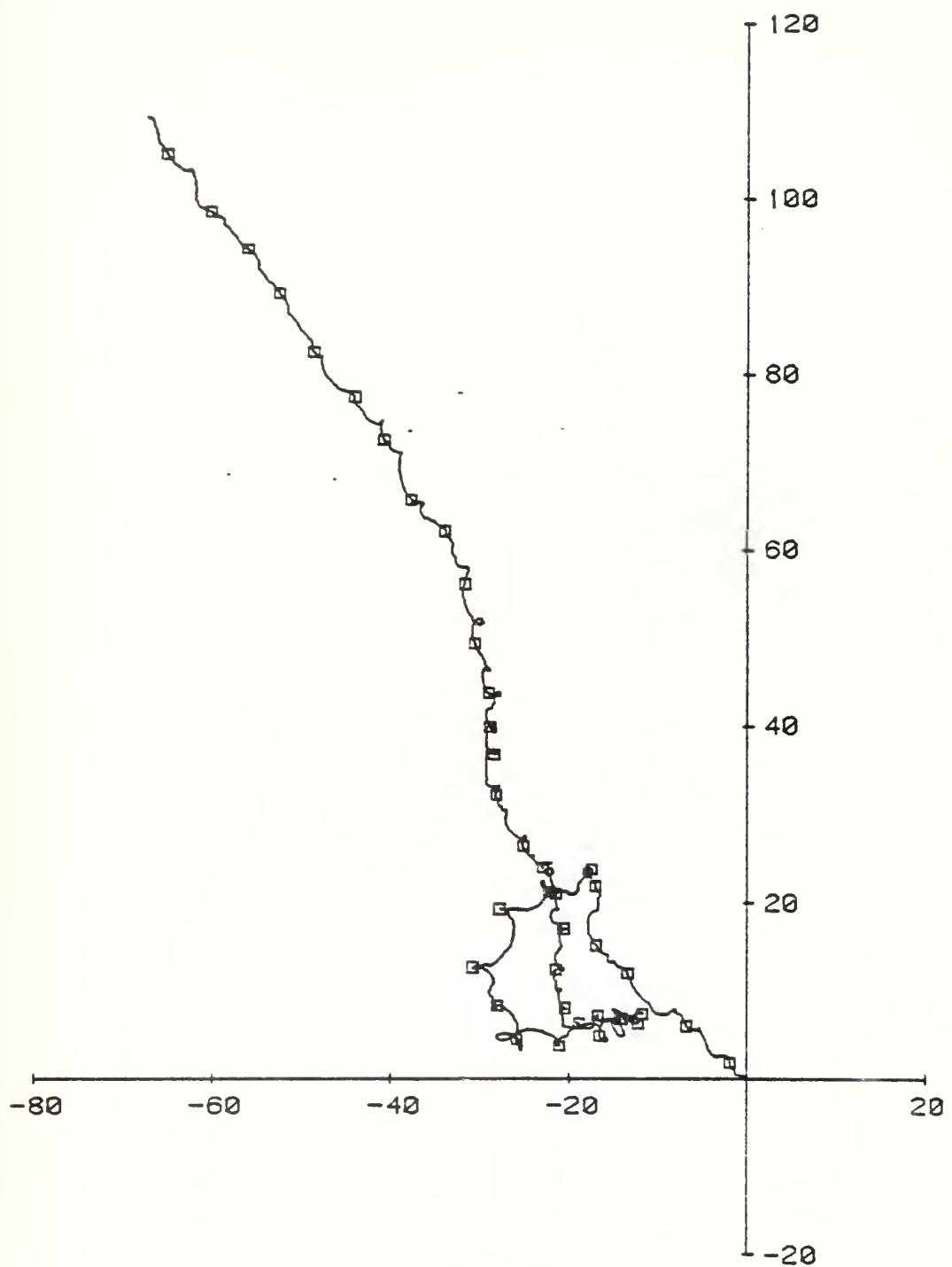
S(cm/s)	6.76	4.19	0.30	2.42	0.80	20.00	4860
U(cm/s)	-0.91	5.10	0.11	3.28	-17.90	15.40	4860
V(cm/s)	1.82	5.75	-0.12	2.87	-15.50	19.50	4860
T(°C)	7.16	0.25	0.42	2.10	6.54	7.81	4860
Z(meters)	333.63	0.41	1.03	4.50	333.20	335.70	4860

Record #33, Depth 510 m

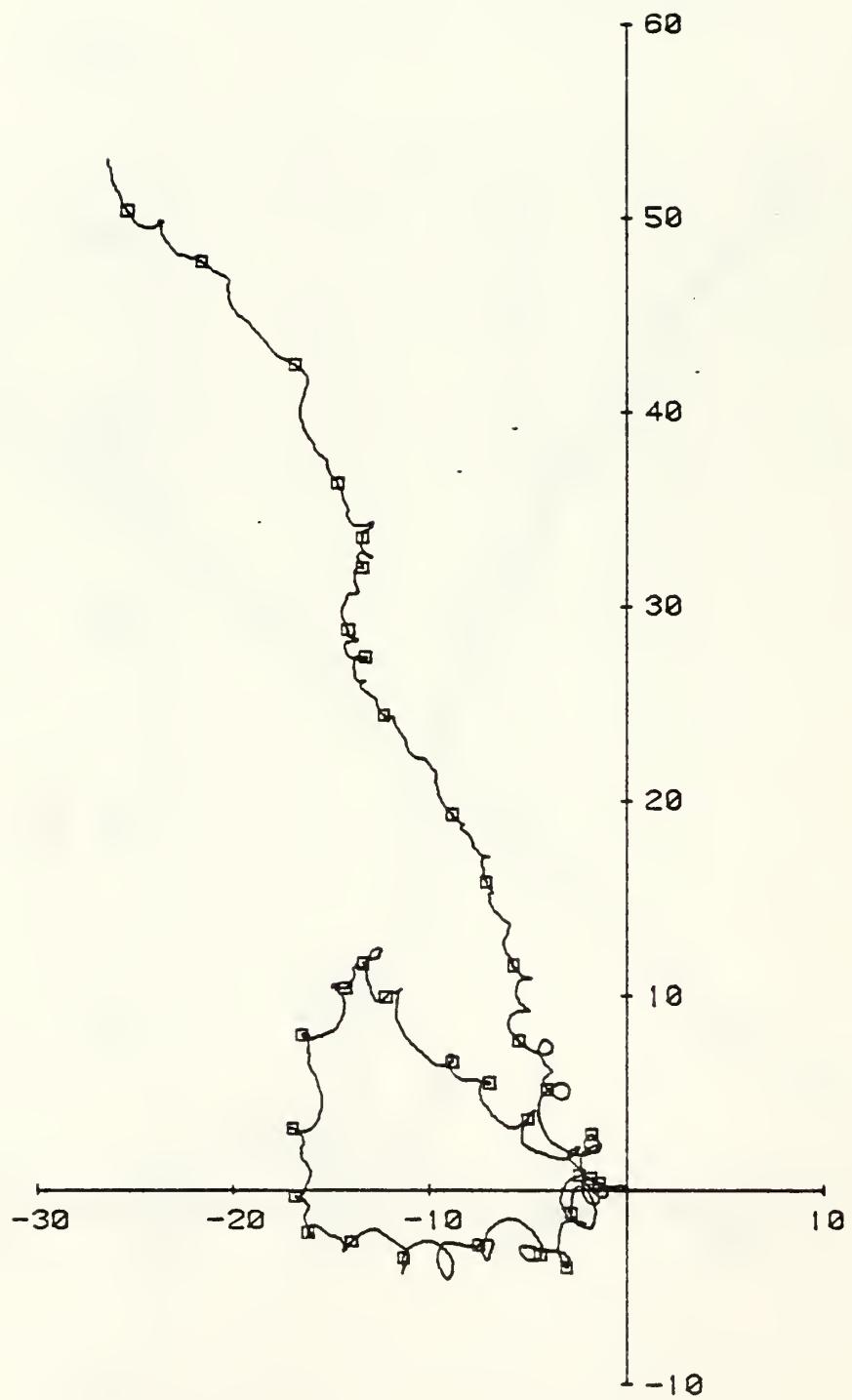
S(cm/s)	6.41	3.45	0.99	4.22	0.80	22.80	5802
U(cm/s)	-0.87	5.13	0.01	3.31	-17.70	21.60	5802
V(cm/s)	1.07	4.98	-0.09	3.52	-18.10	18.80	5802
T(°C)	5.76	0.14	0.49	2.55	5.42	6.22	5802



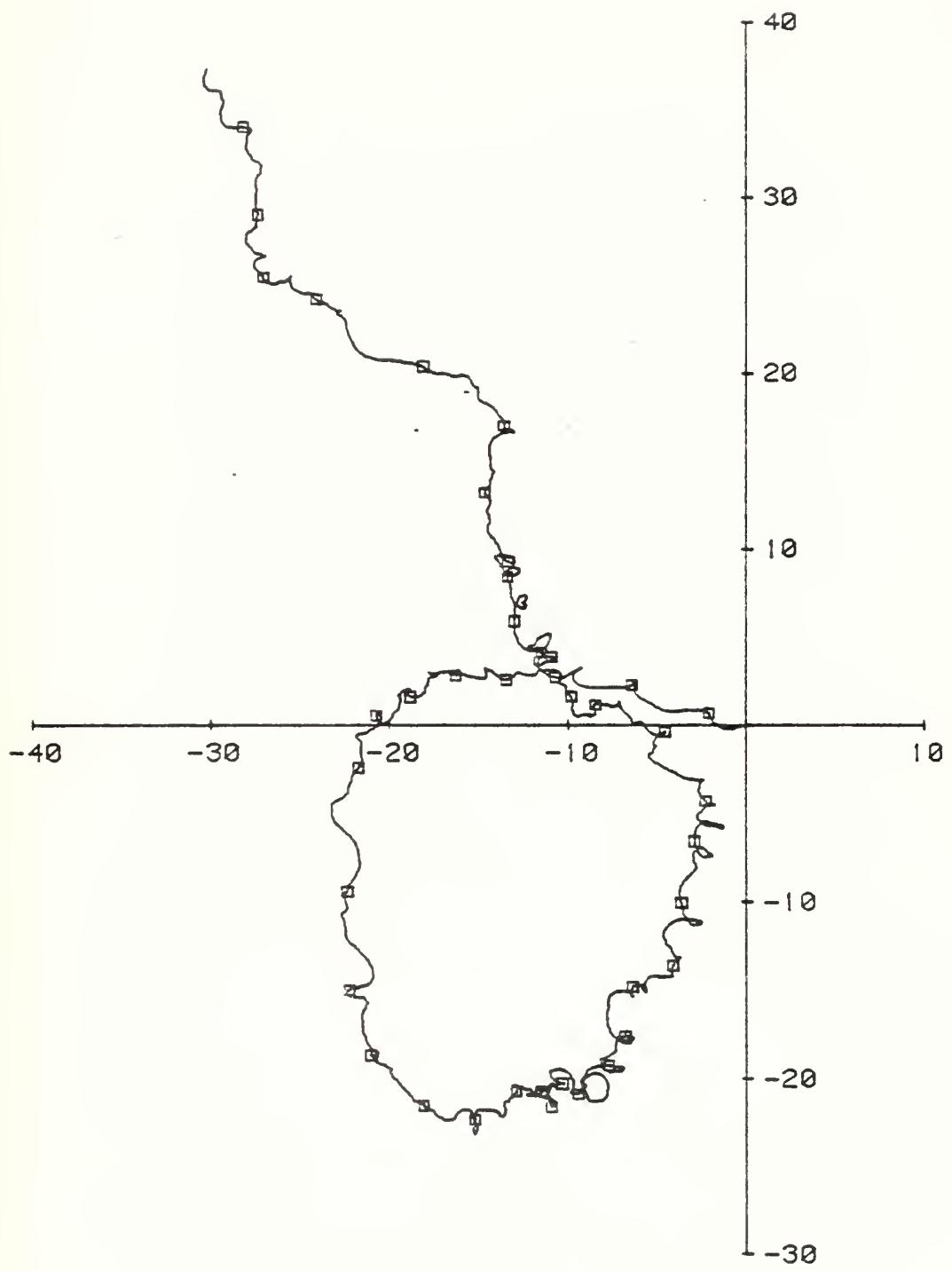
113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.

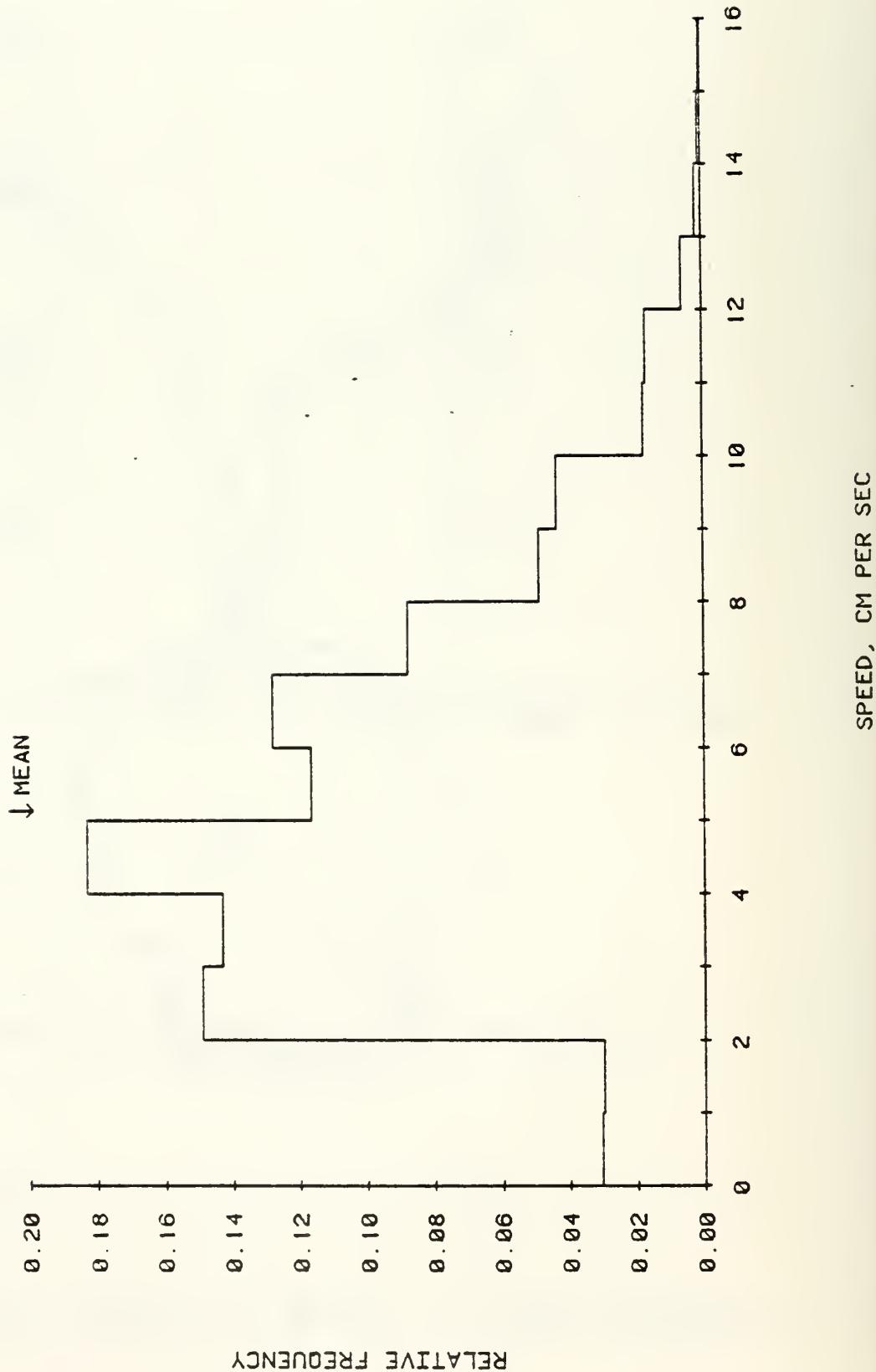


311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.

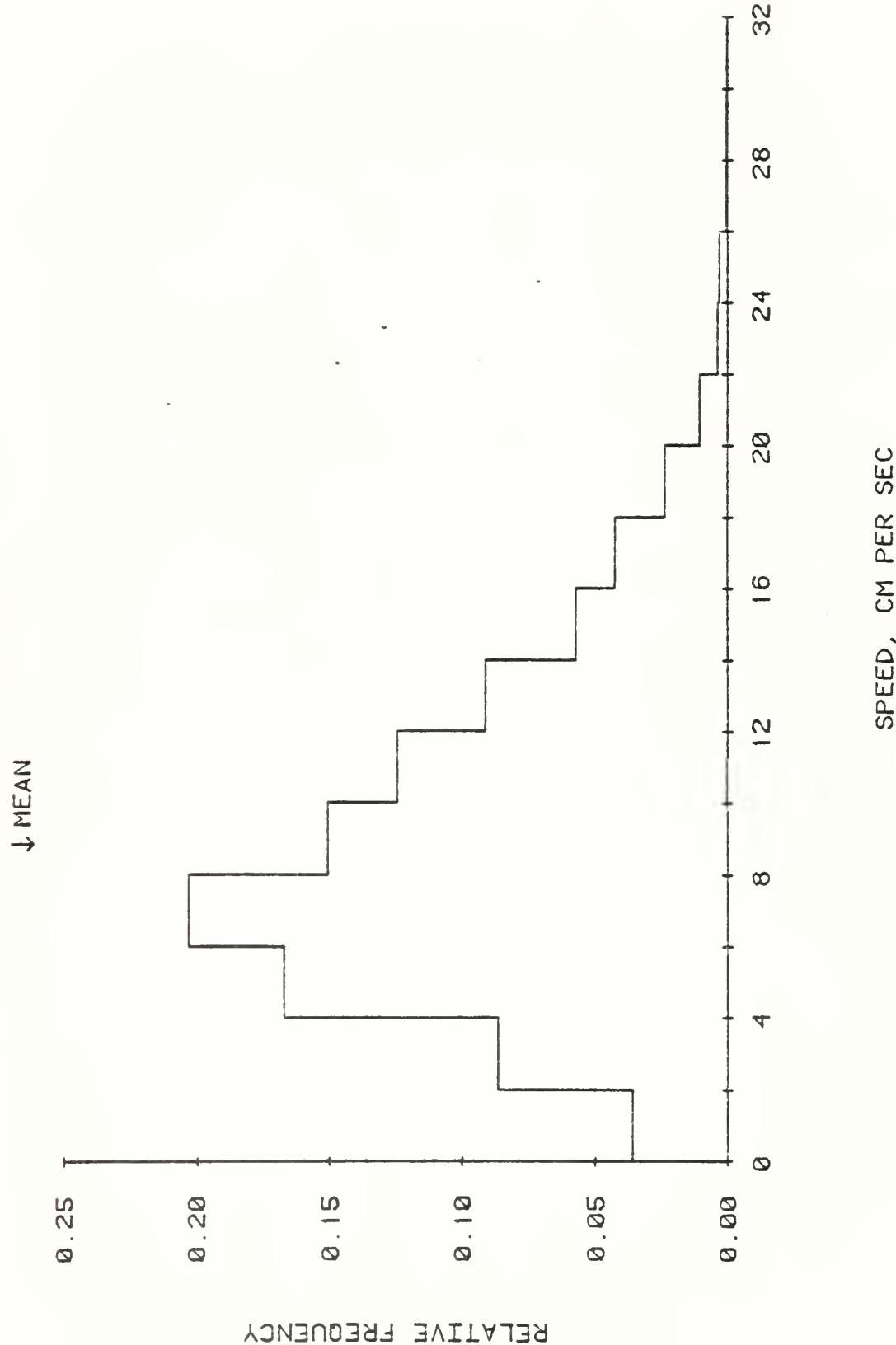


510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.

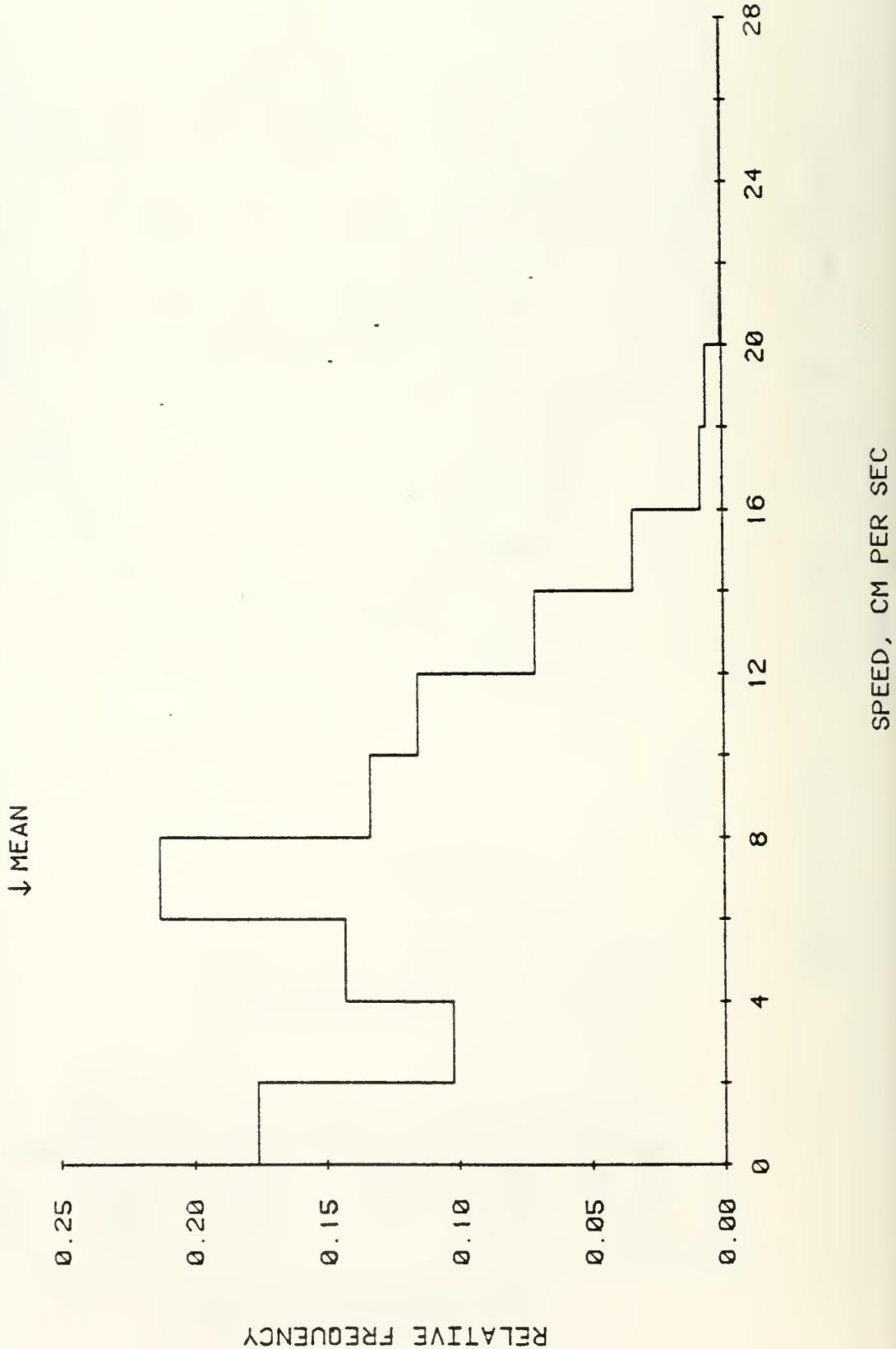
113 M A STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



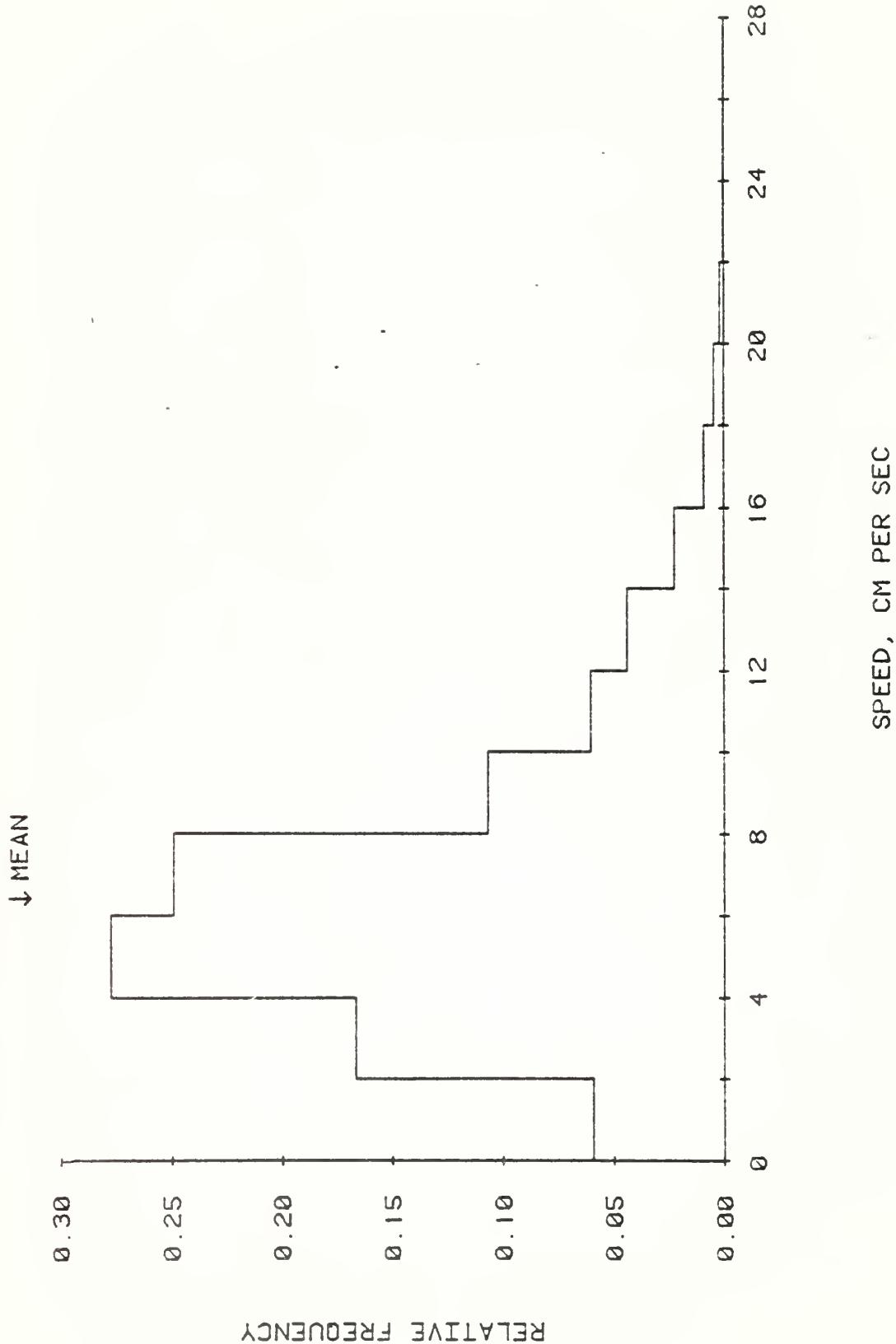
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.



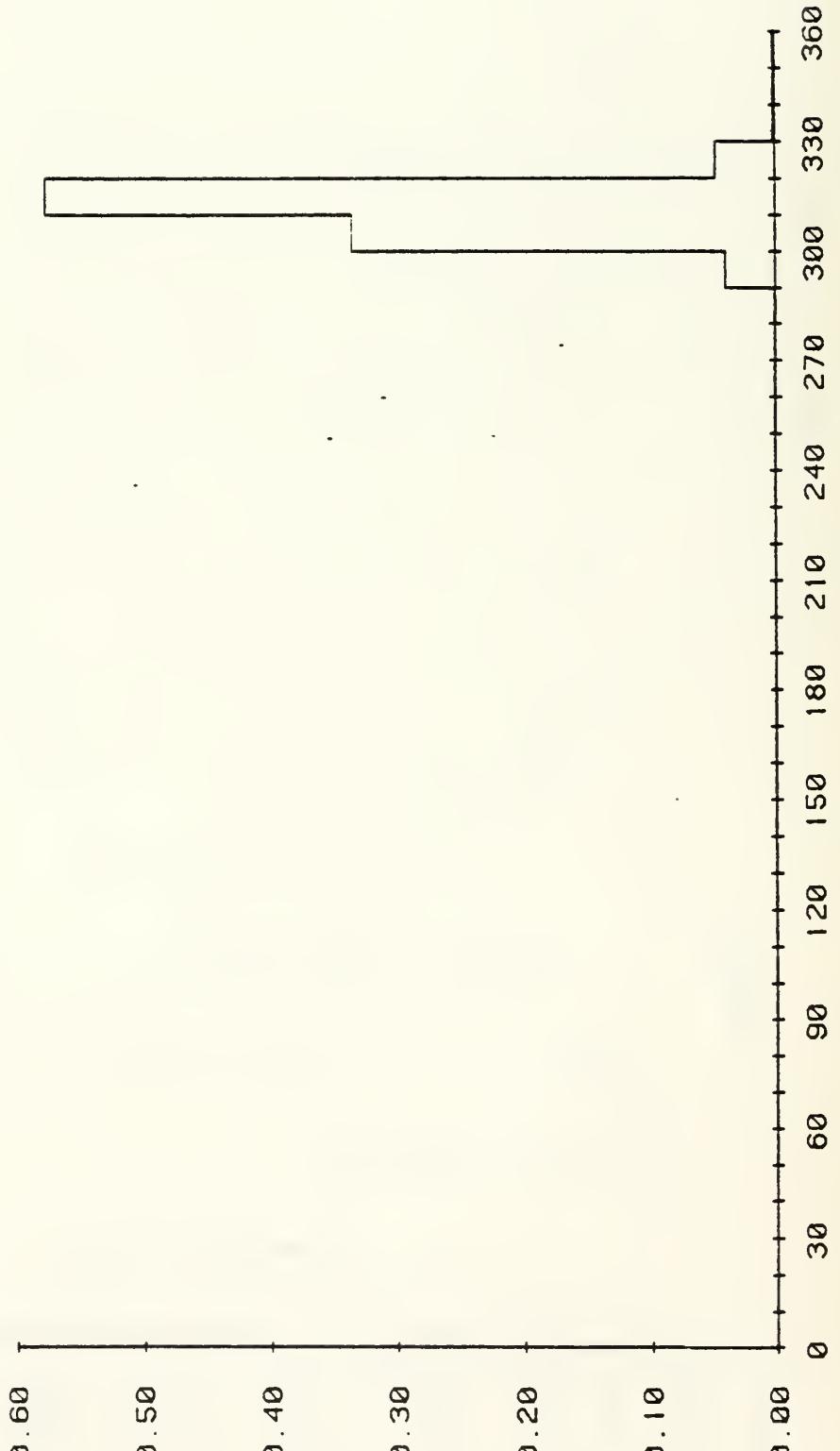
311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



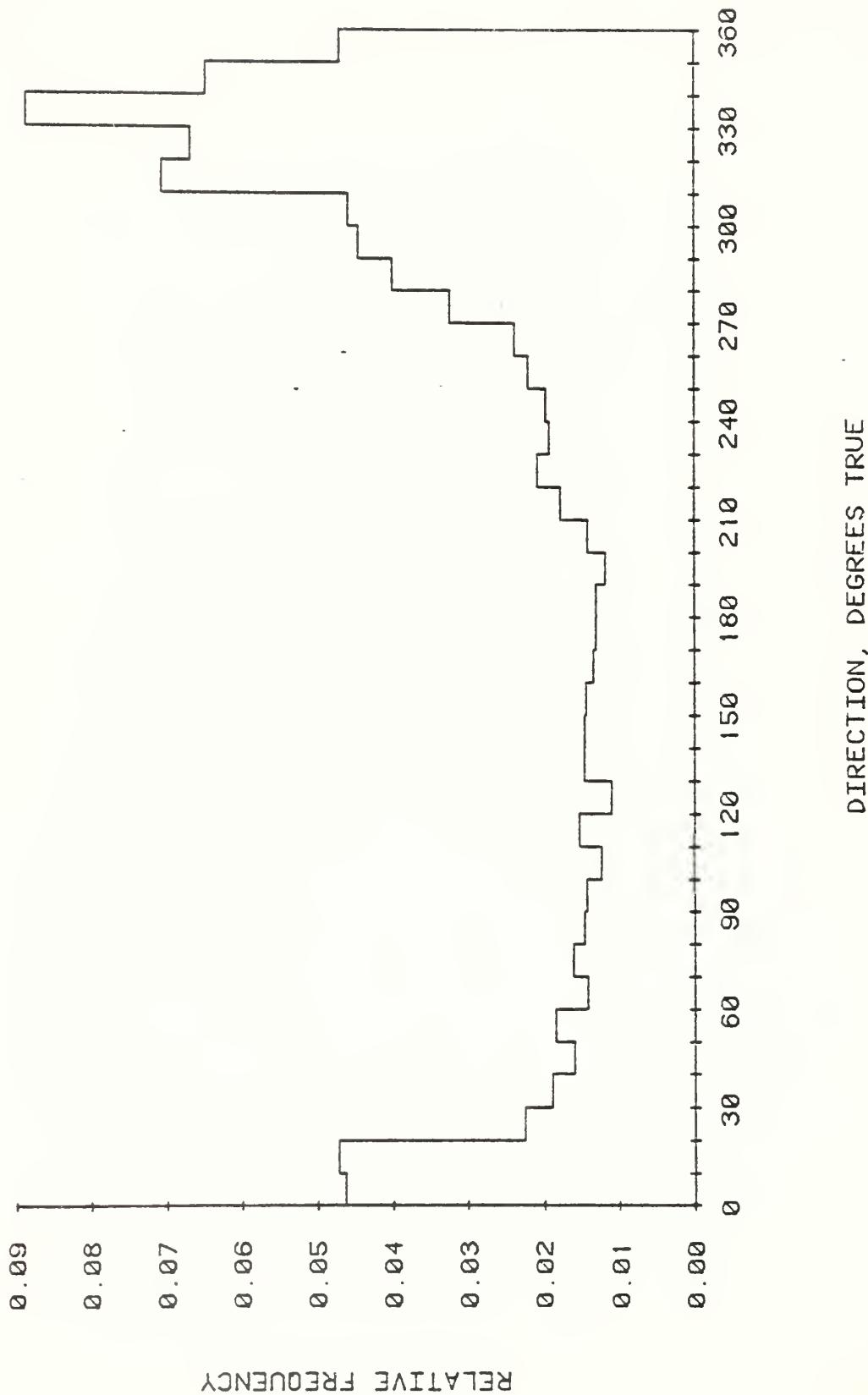
510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.



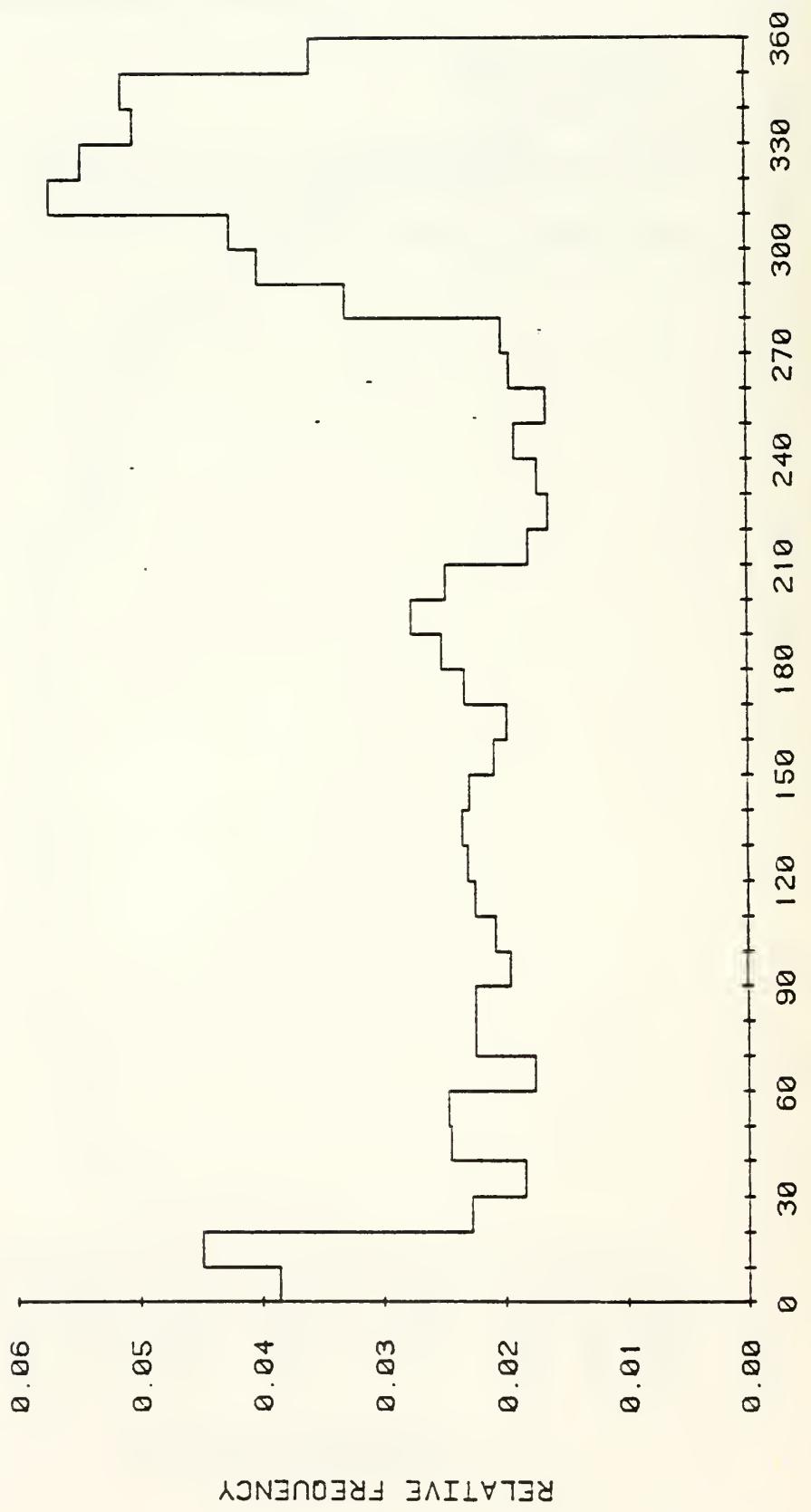
113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



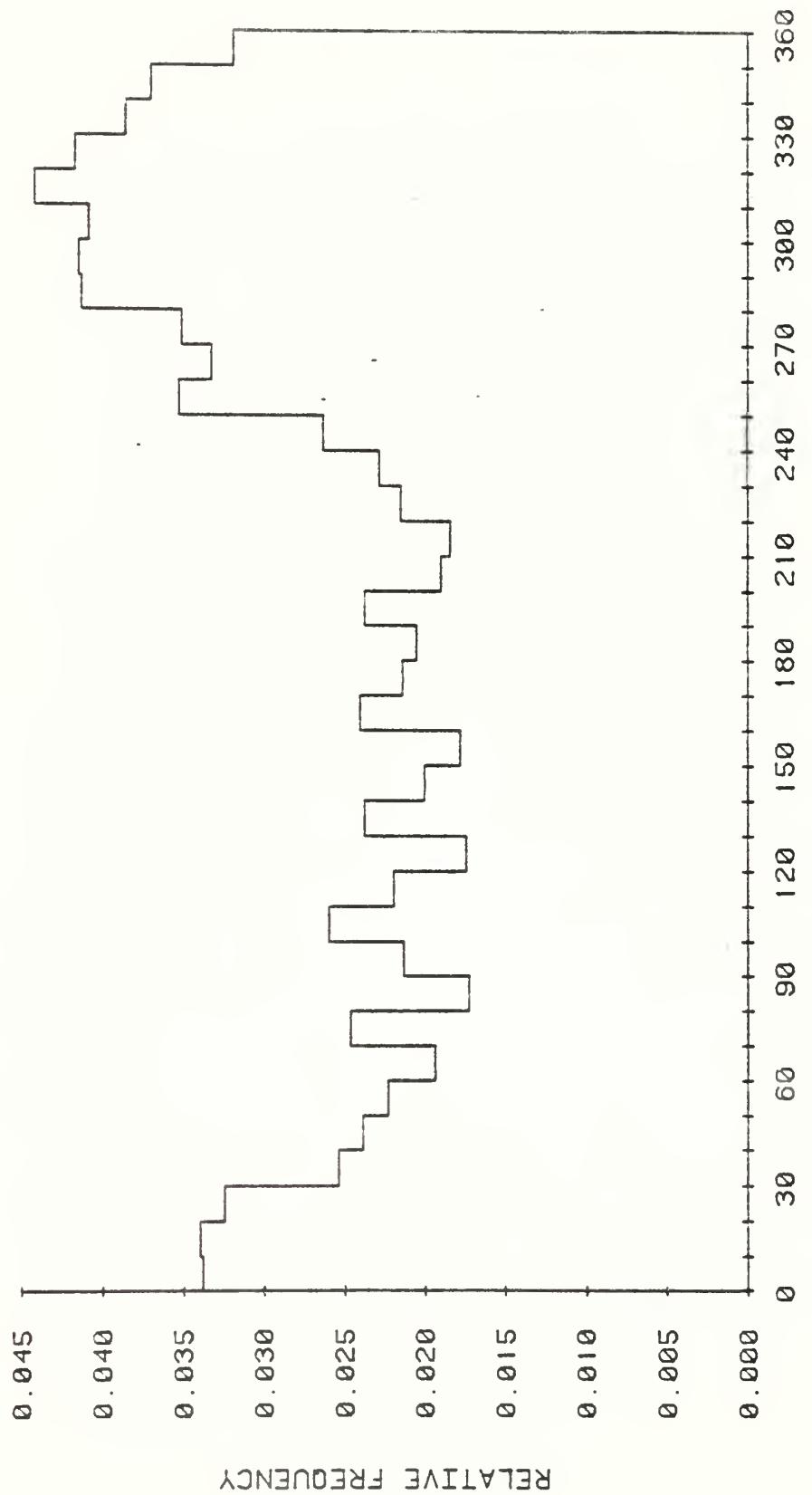
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.



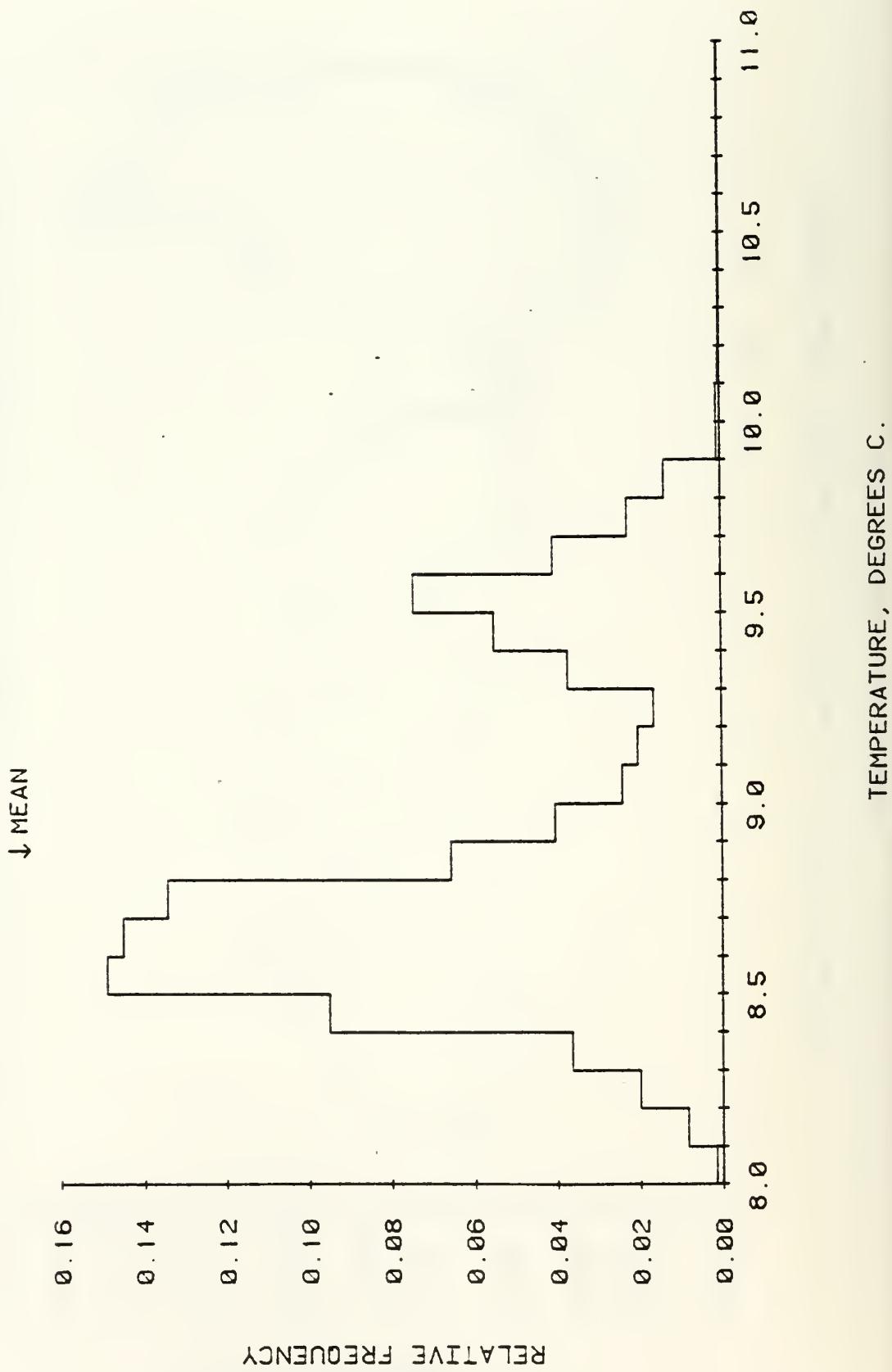
311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



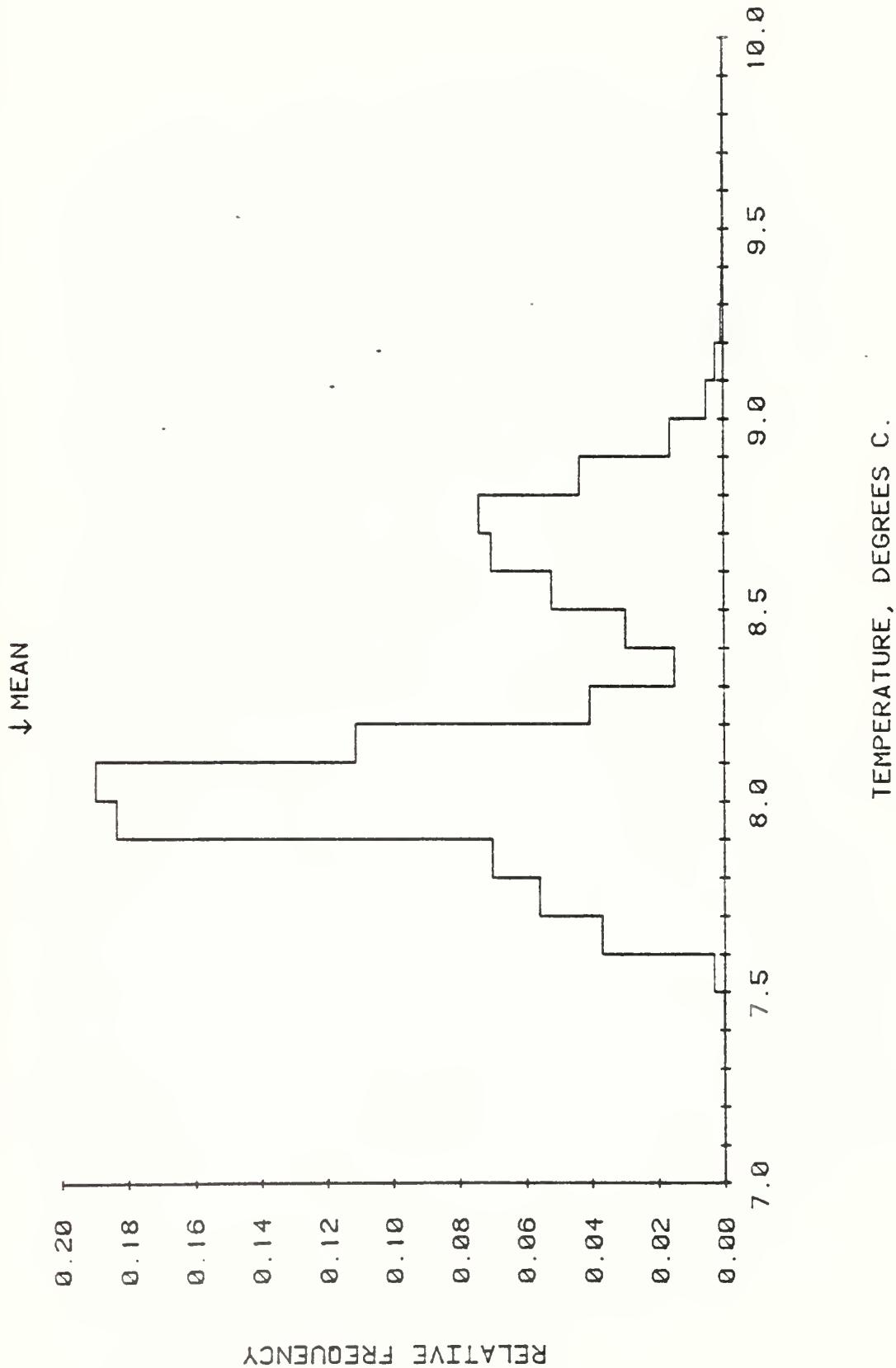
510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.



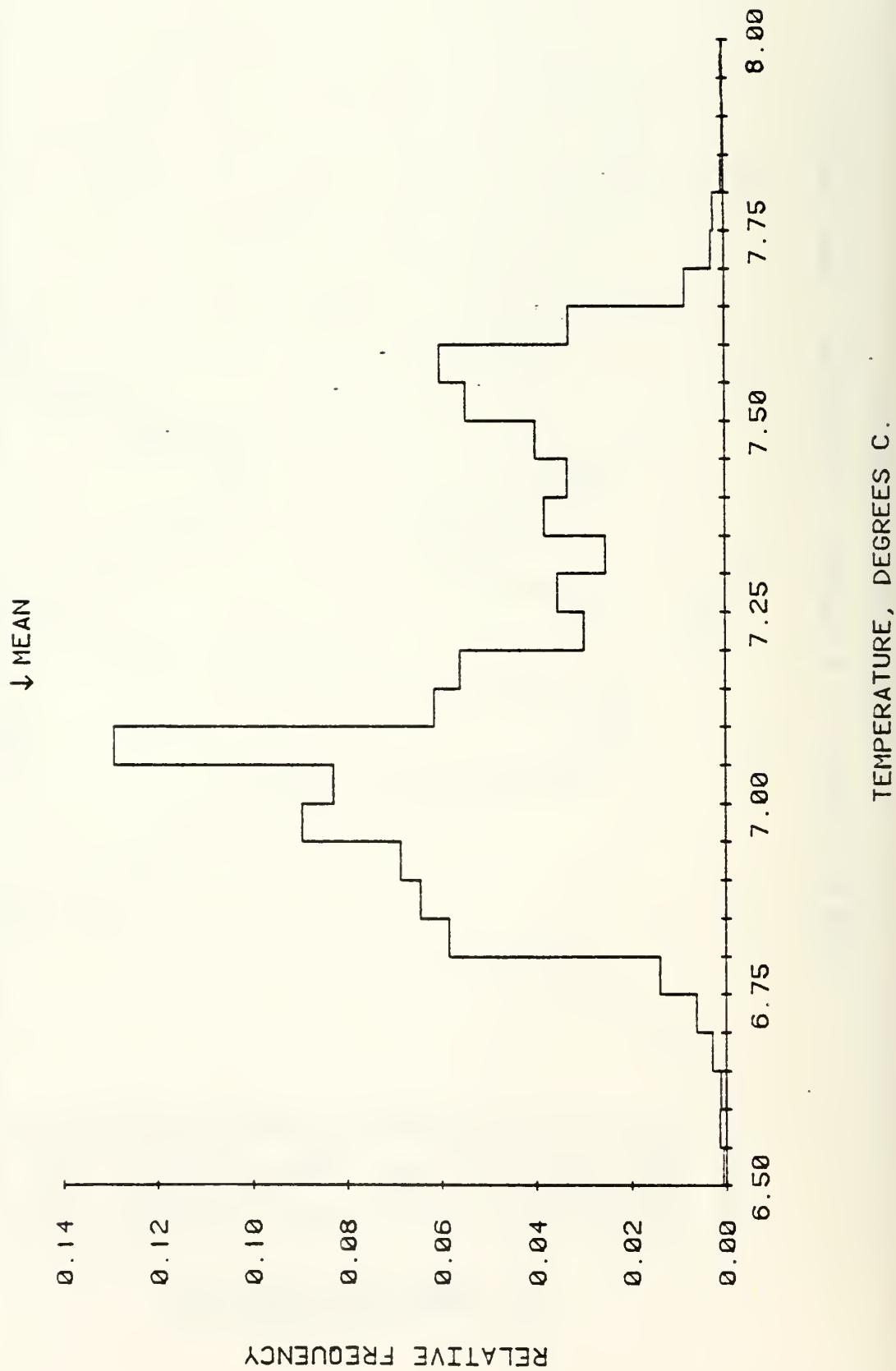
113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



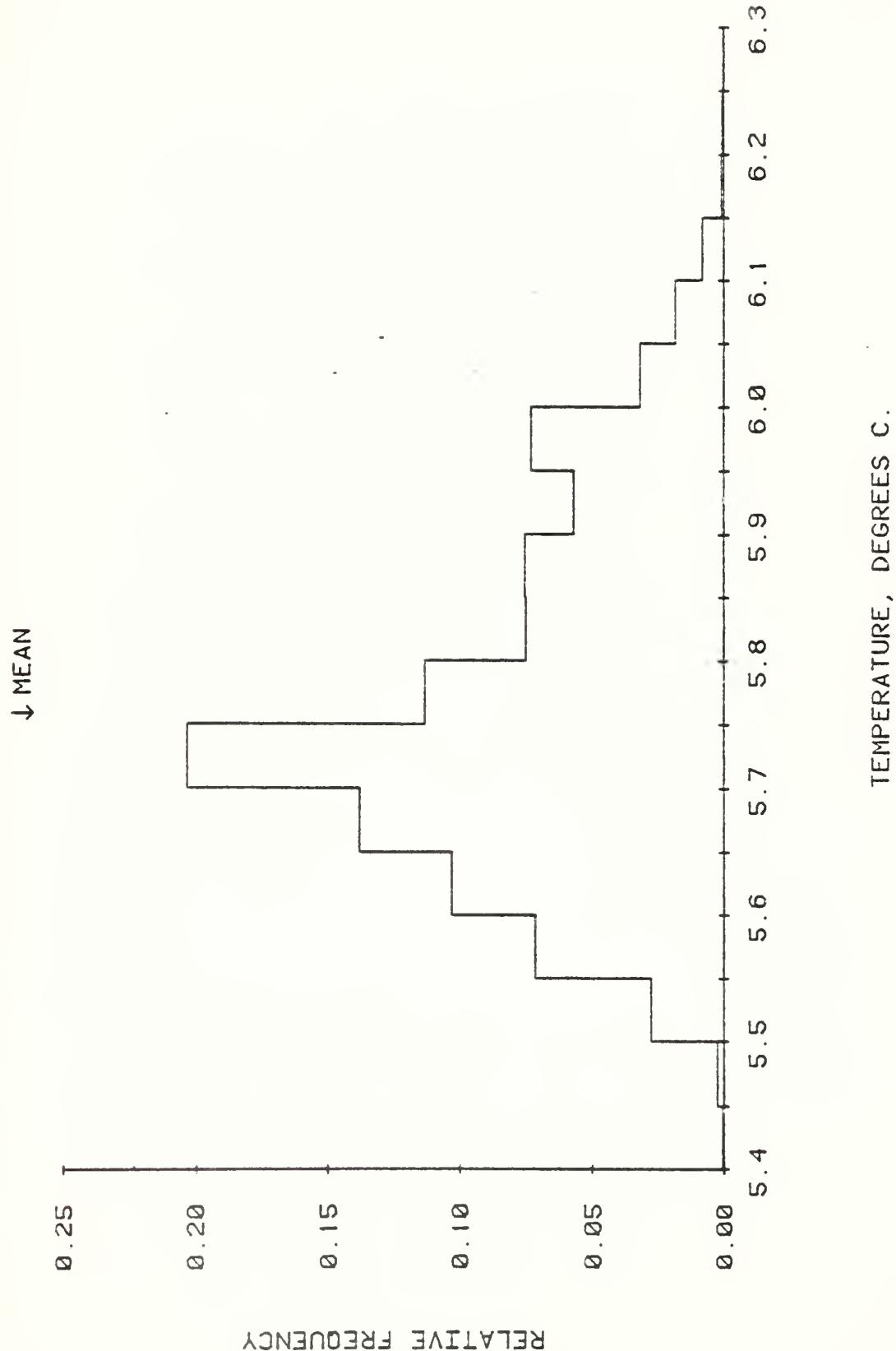
186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.



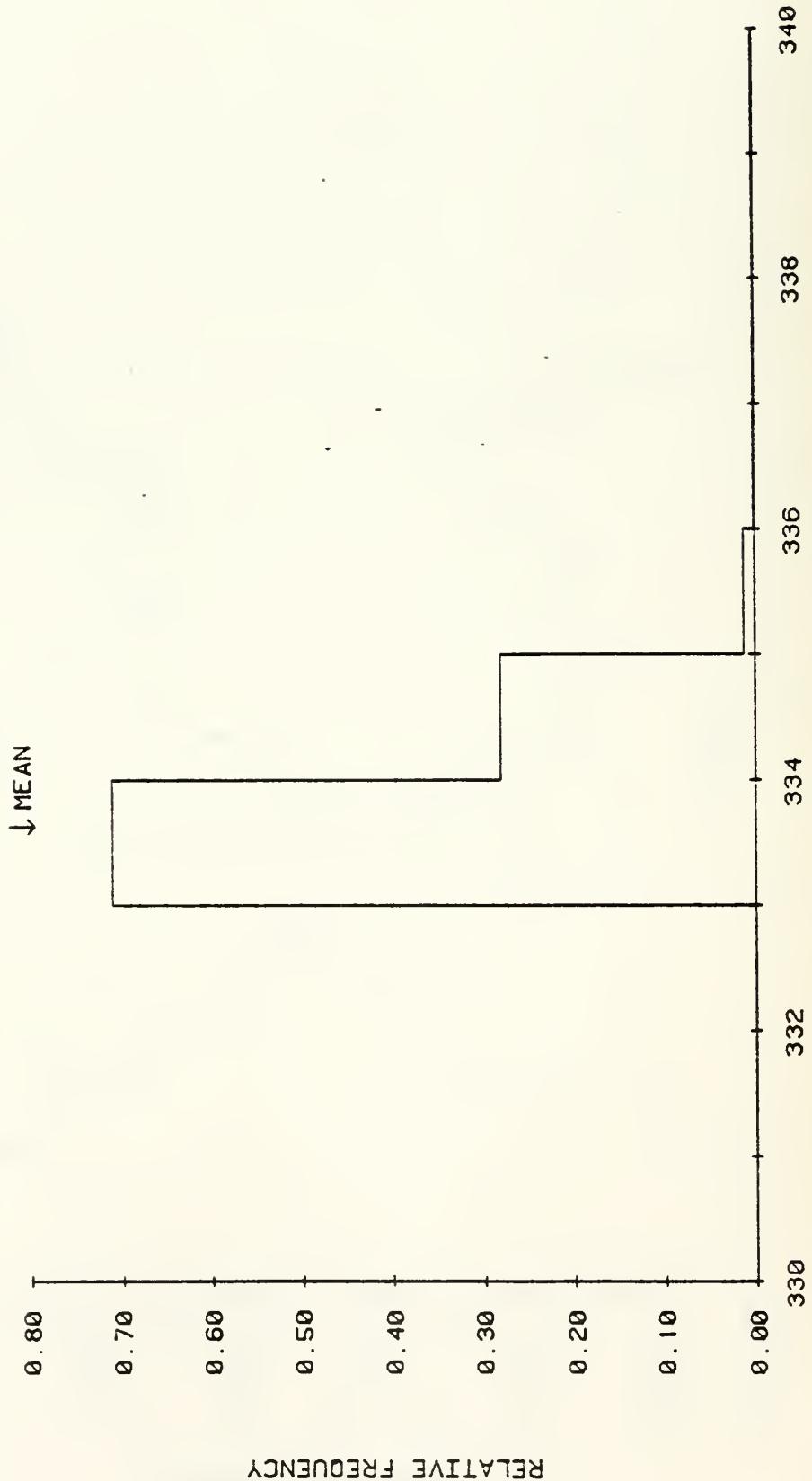
311 MAT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.



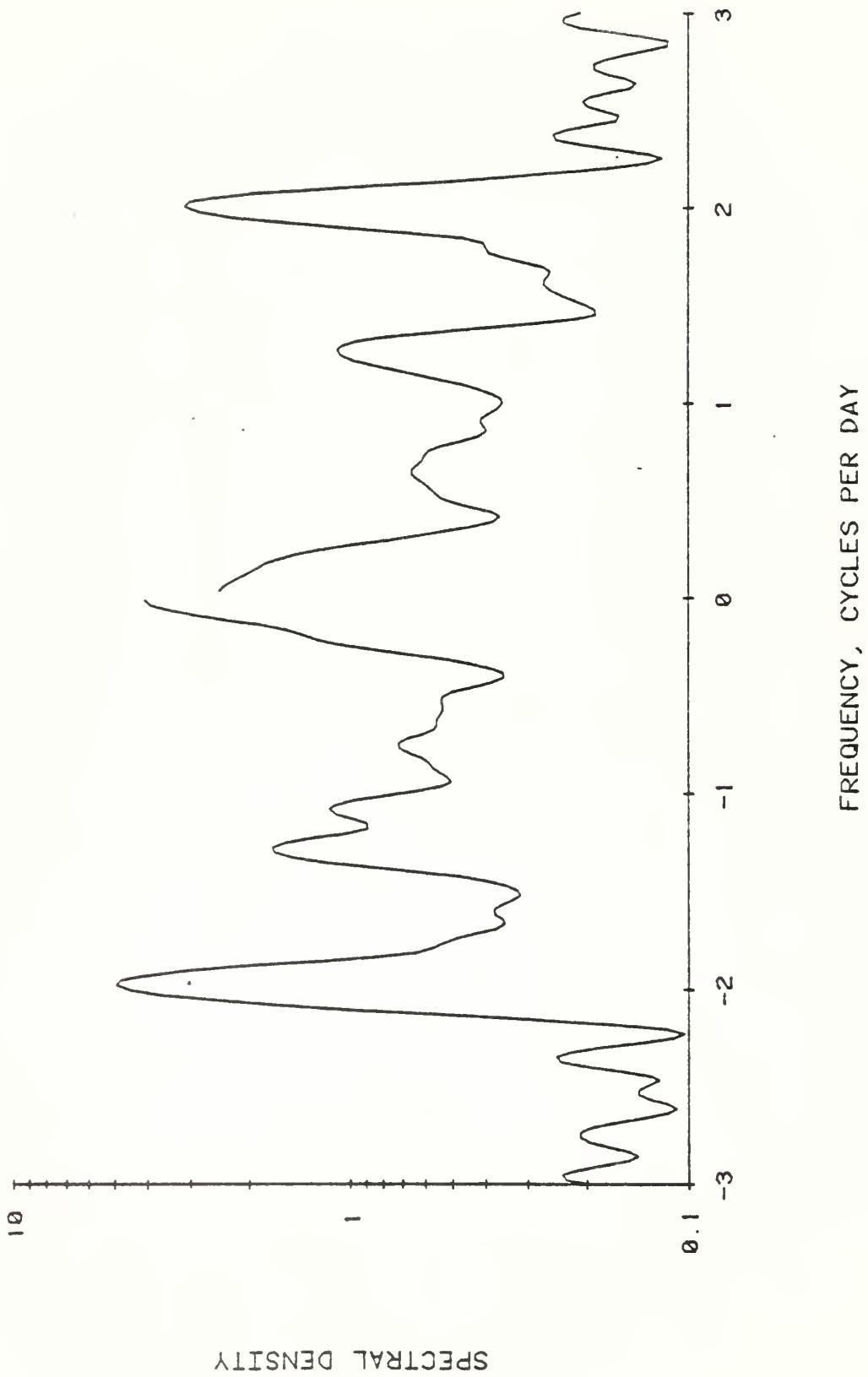
510 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 1495/6.



311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.

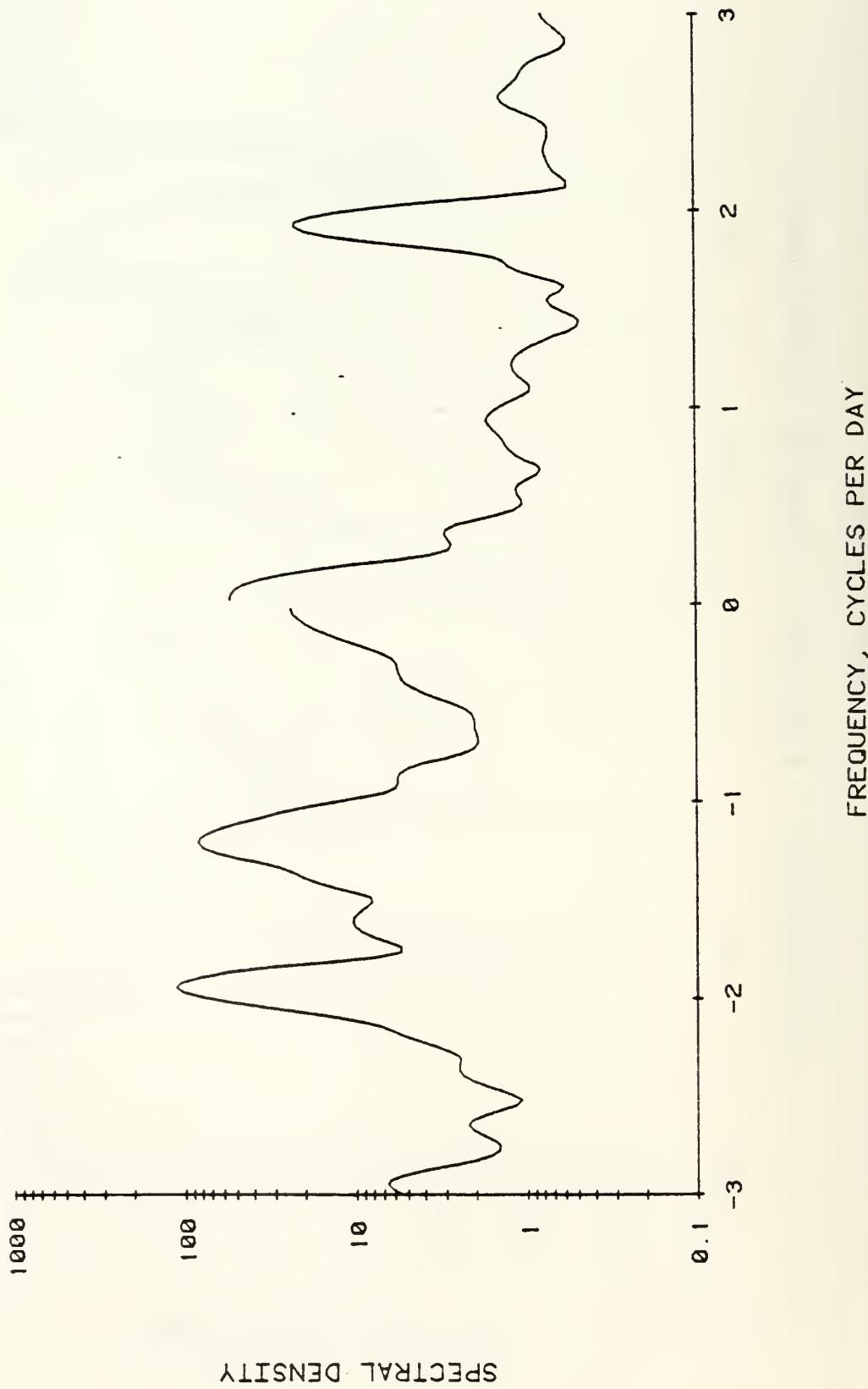


113 M AT STN 7. 4 MAR 80 - 15 APR 80. TAPE 2760/4.



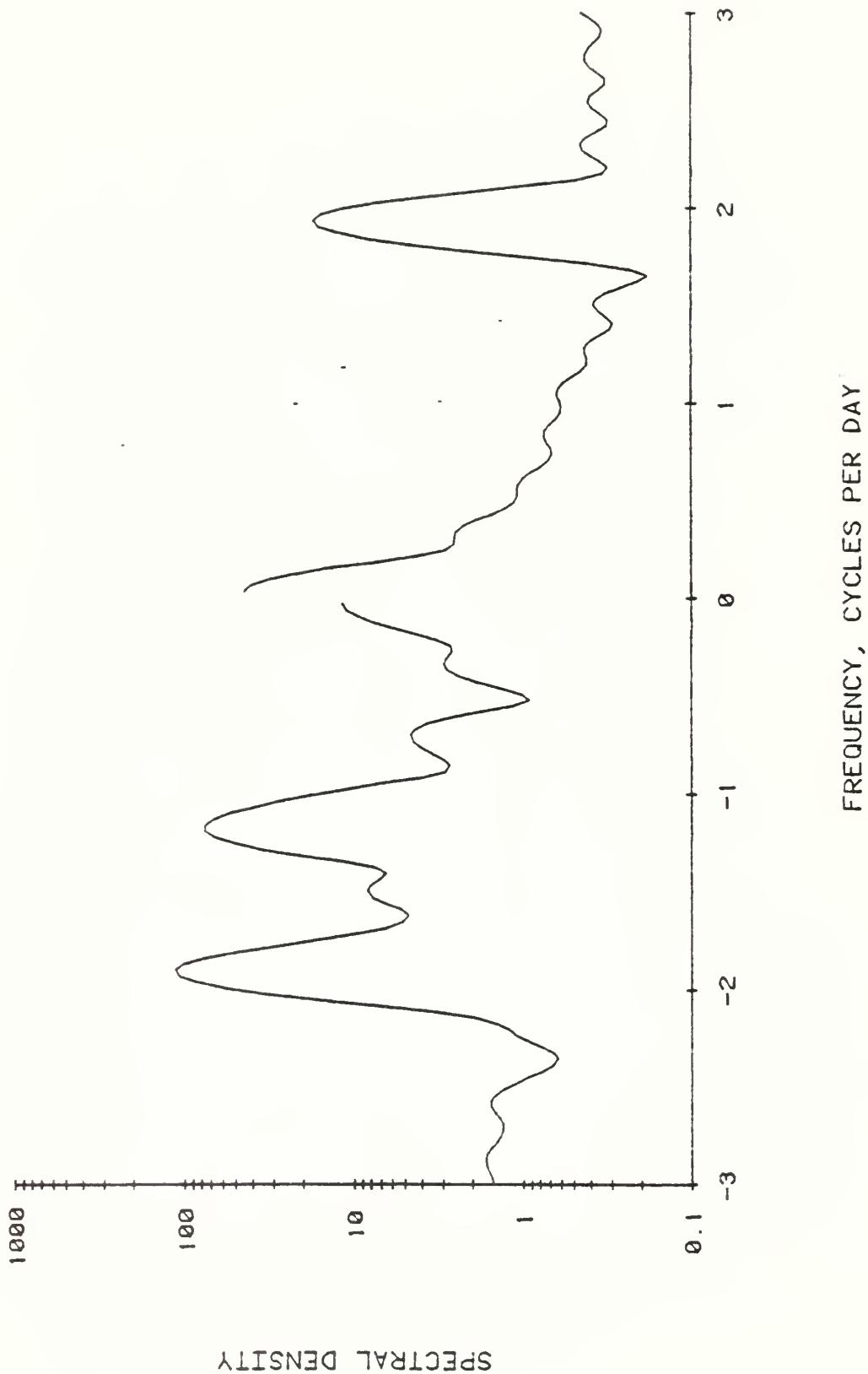
SPECTRAL DENSITY

186 M AT STN 7. 4 MAR 80 - 13 APR 80. TAPE 842/11.

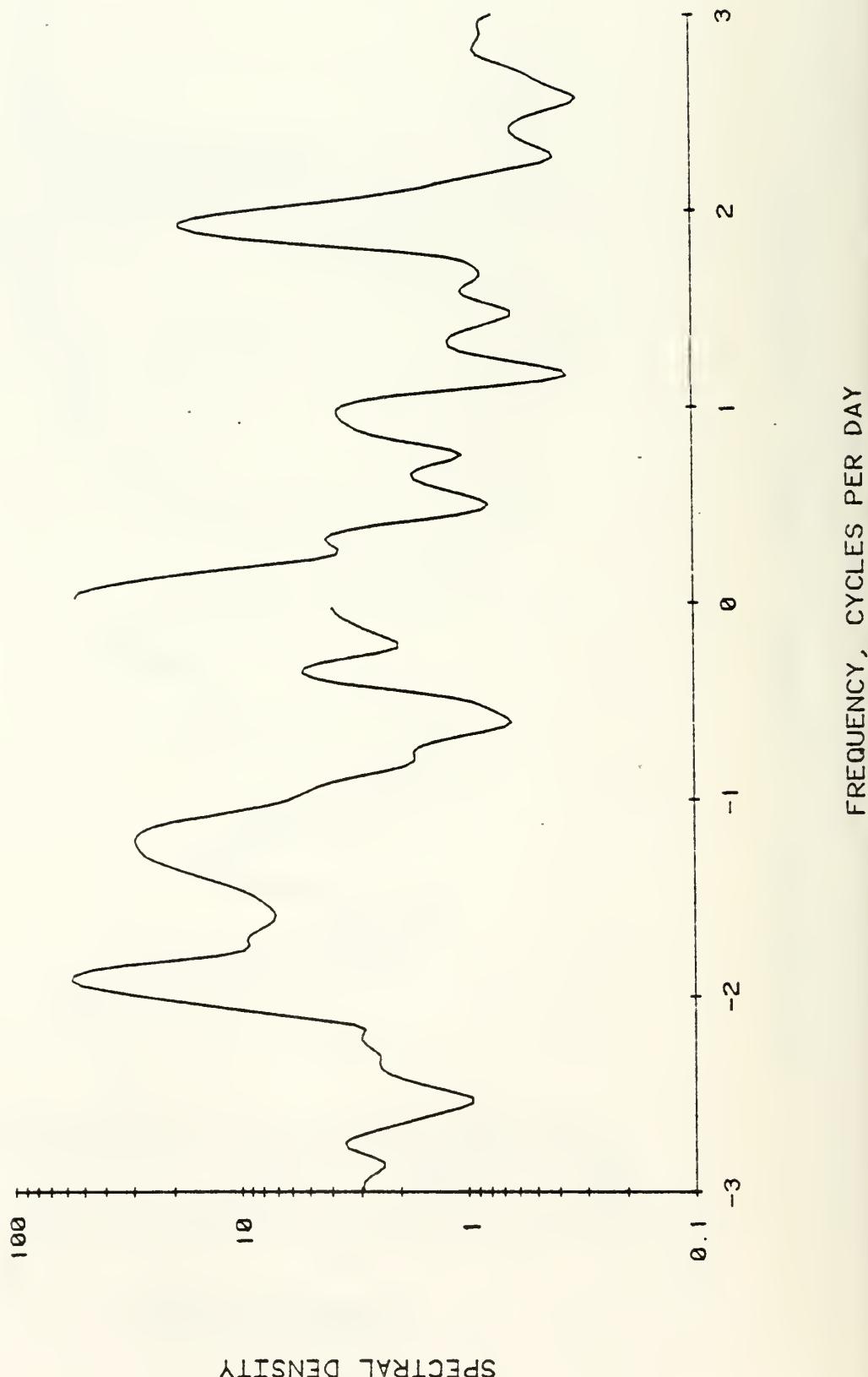


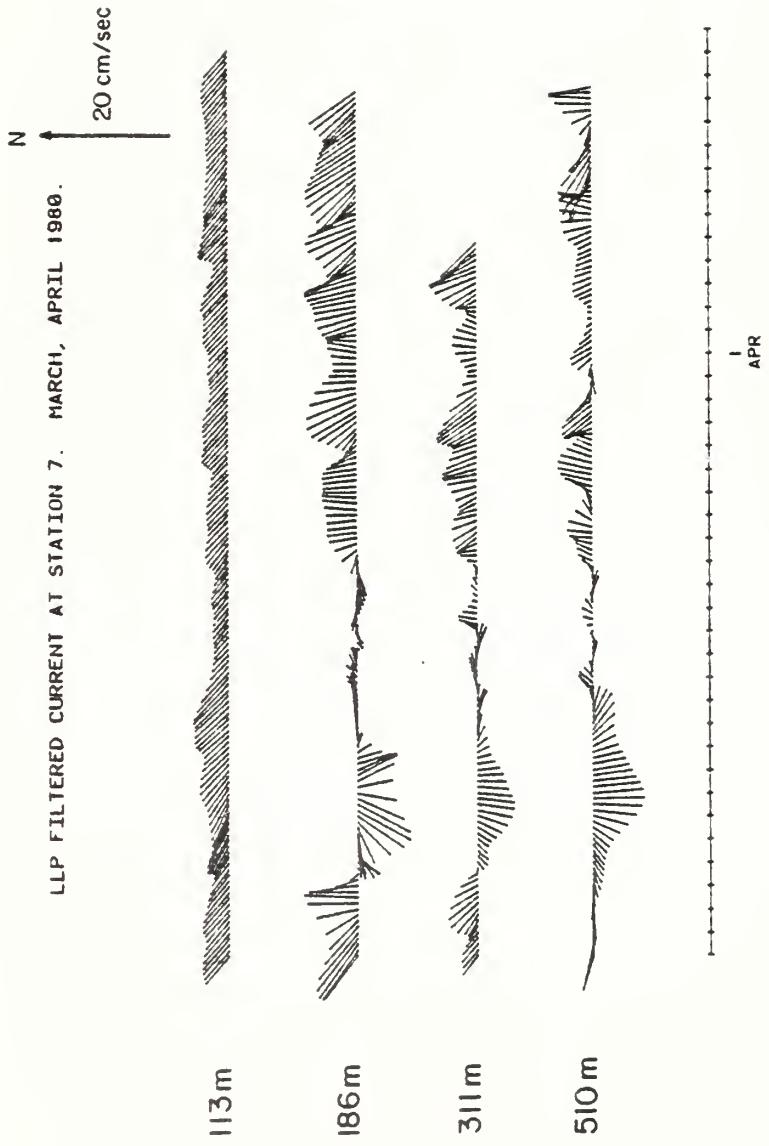
SPECTRAL DENSITY

311 M AT STN 7. 4 MAR 80 - 7 APR 80. TAPE 762/13.

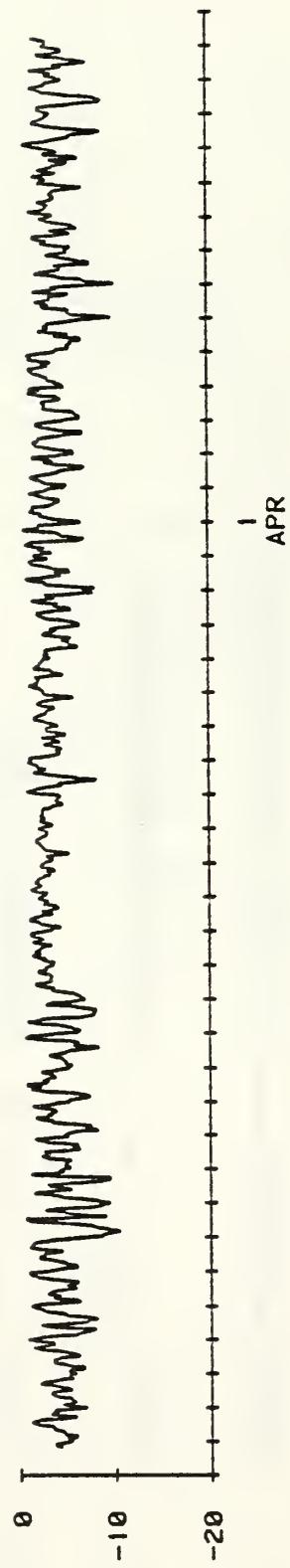


510 M AT STN 7 . 4 MAR 80 - 13 APR 80 . TAPE 1495/6 .

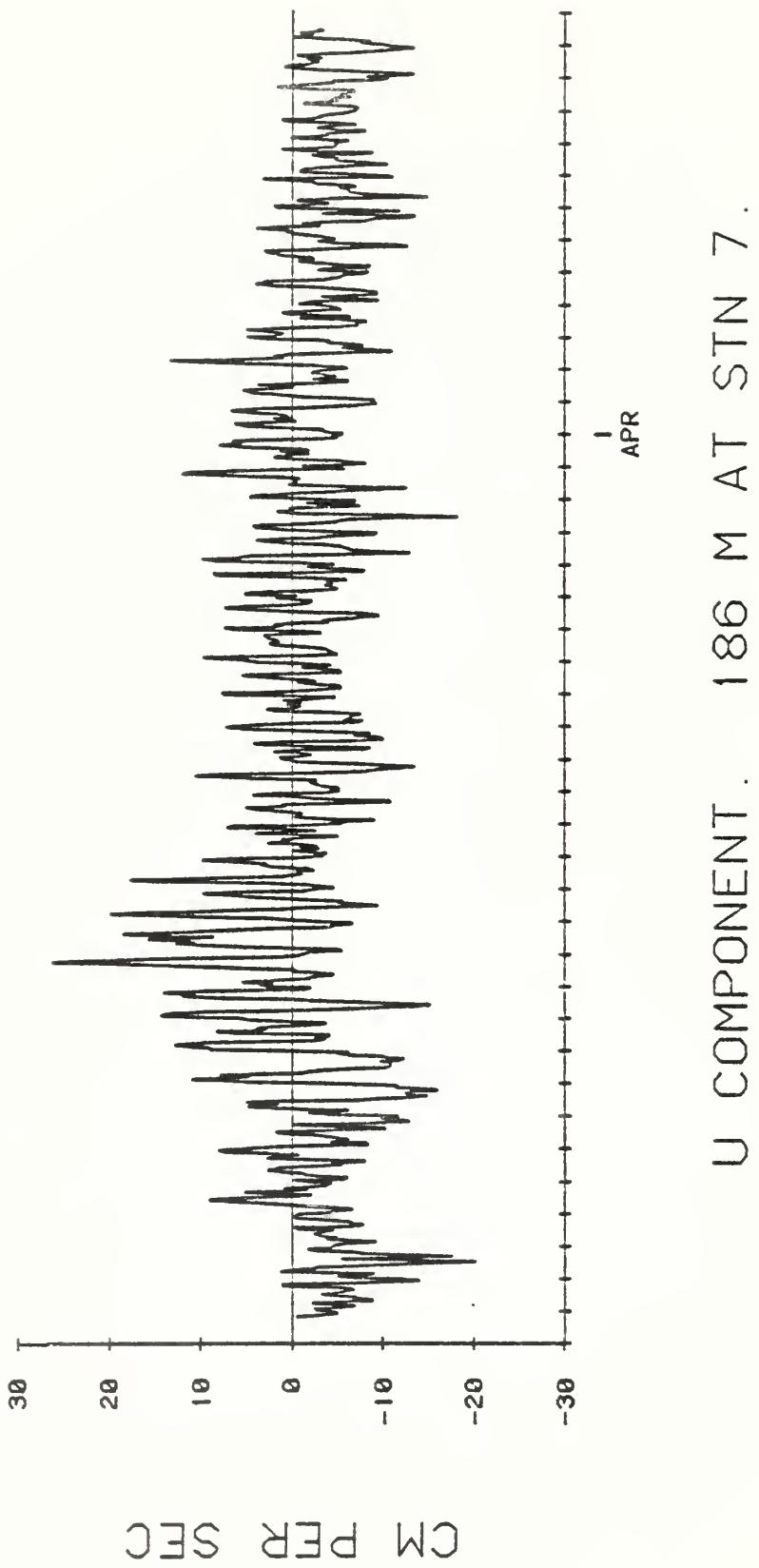




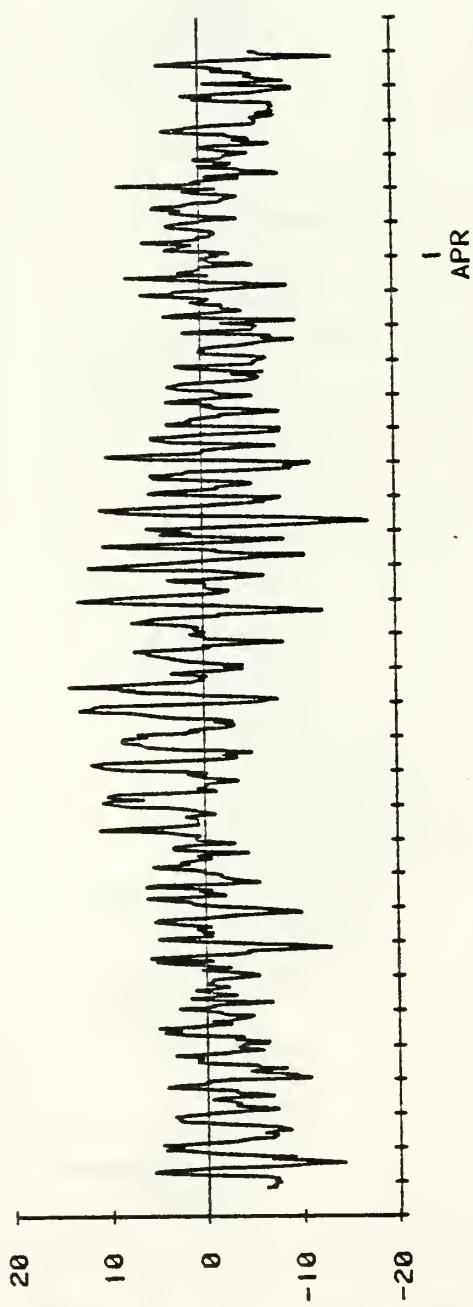
U COMPONENT . 113 M AT STN 7.



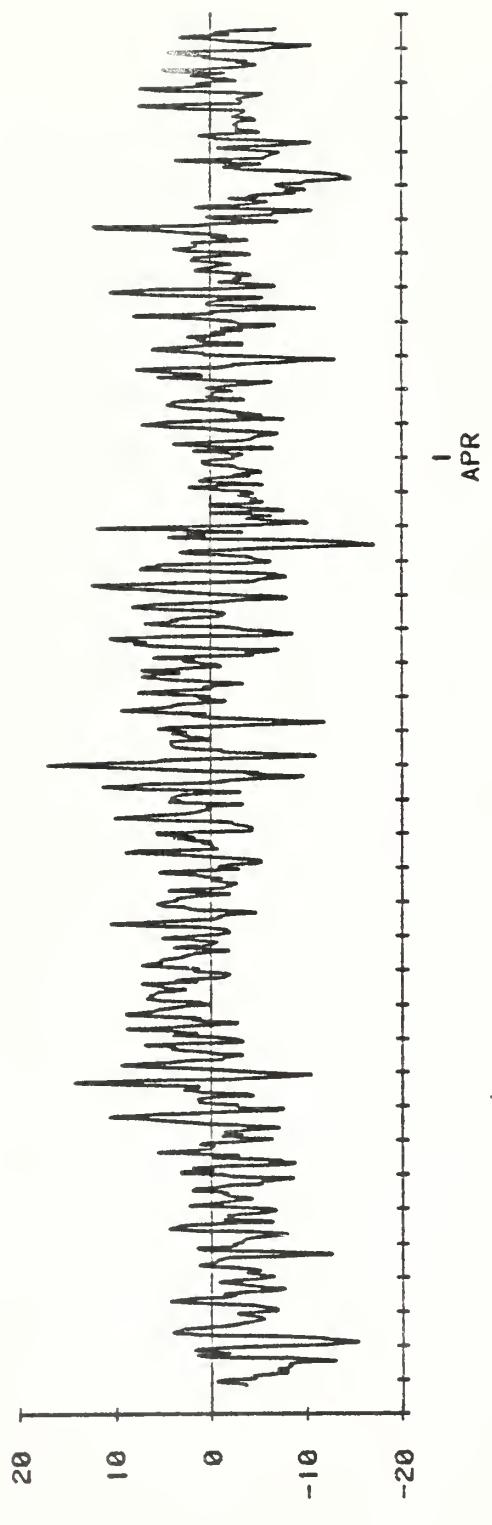
CM PER SEC



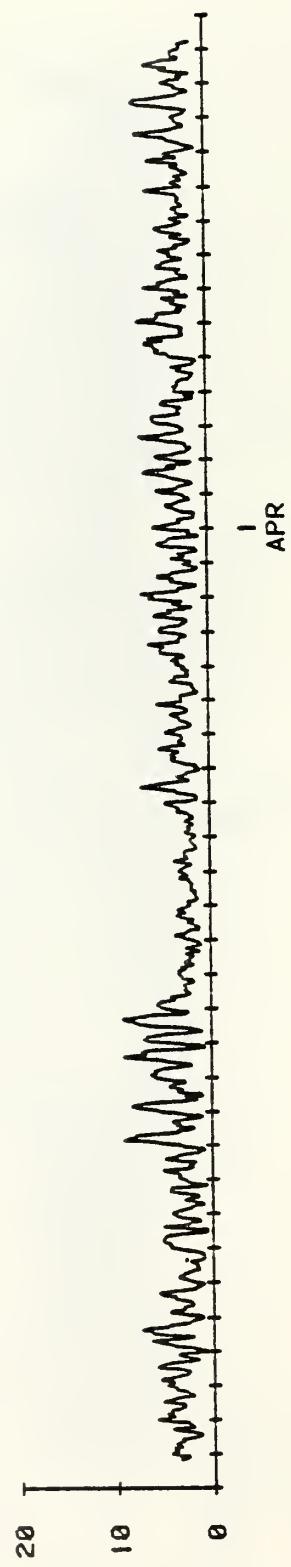
U COMPONENT . 311 M AT STN 7.



CM PER SEC



U COMPONENT . 510 M AT STN 7.

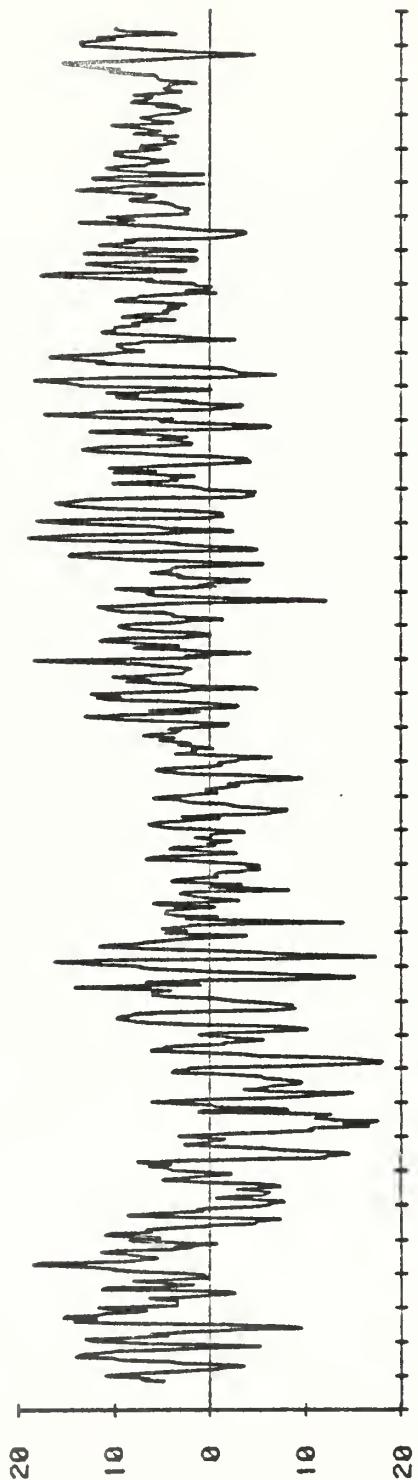


V COMPONENT. 113 M AT STN 7.

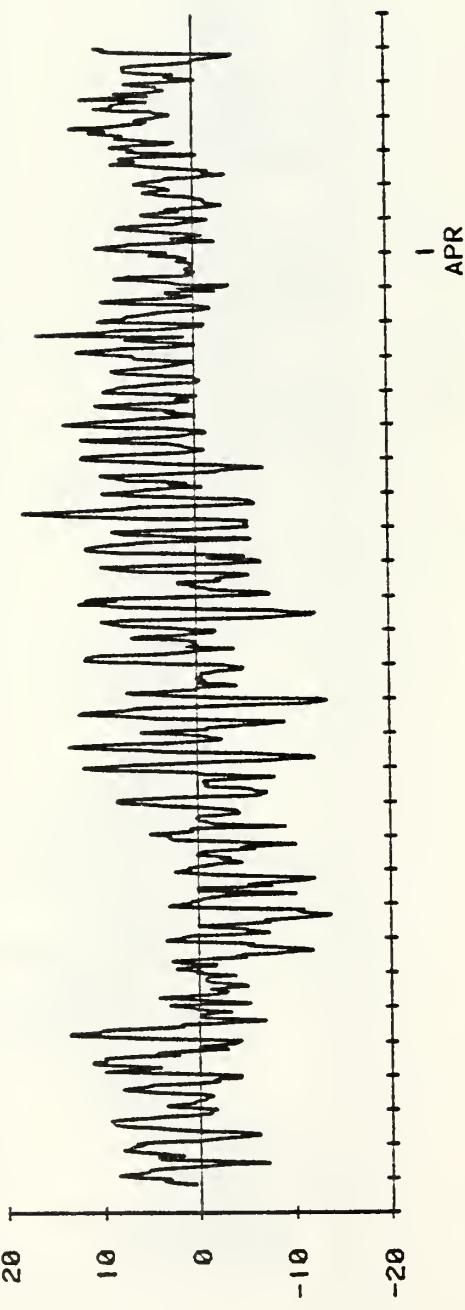
CM PER SEC

V COMPONENT . 186 M AT STN 7.

APR



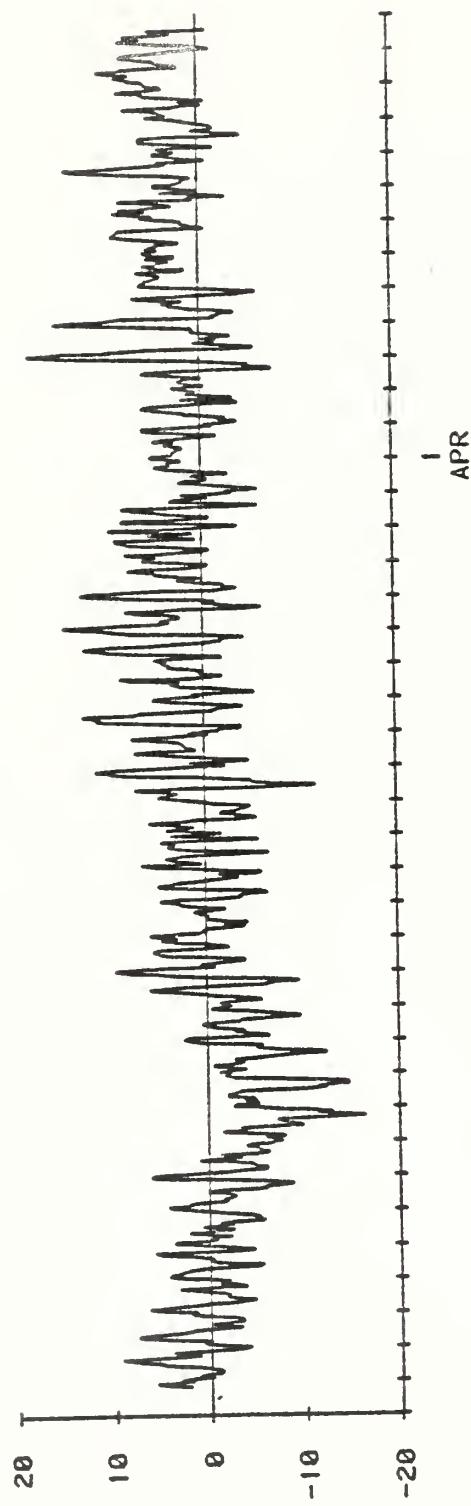
CM SEC DEP CM



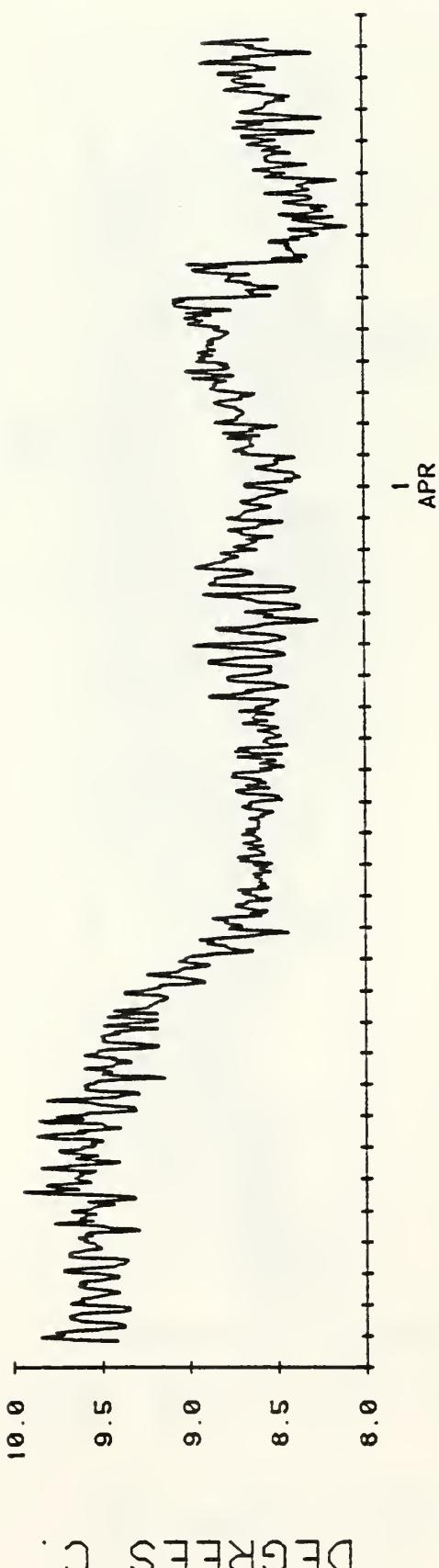
V COMPONENT . 311 M AT STN 7 .

APR

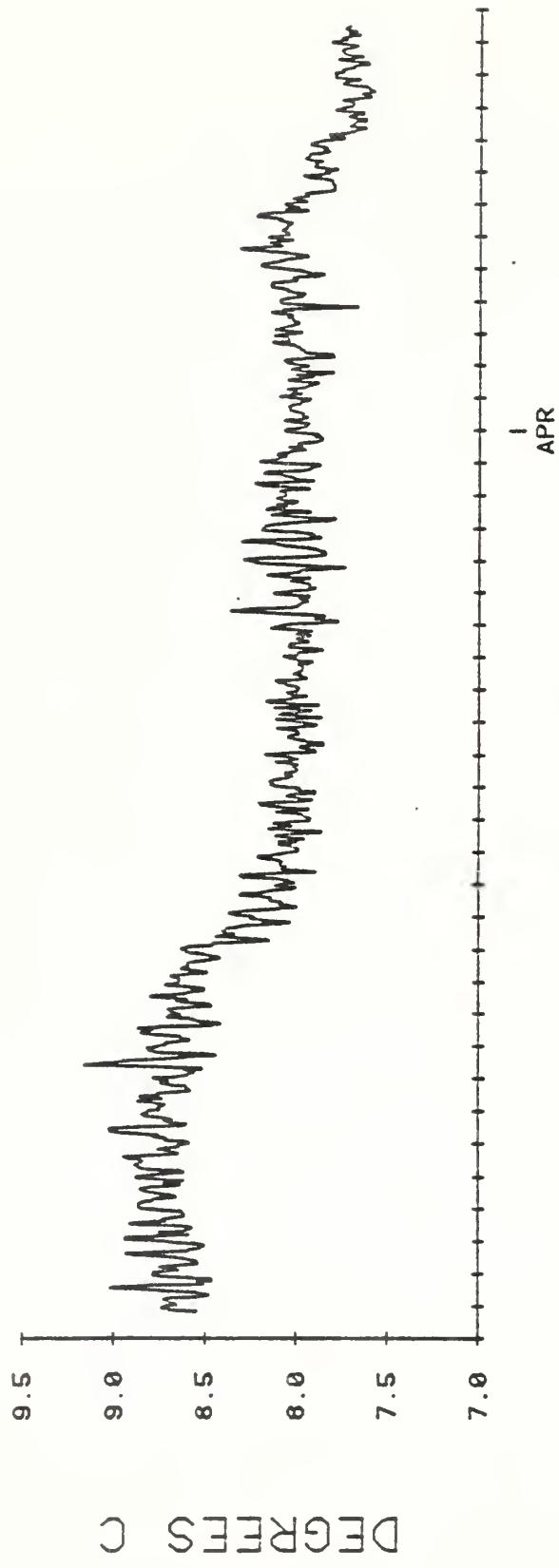
CM PER SEC



V COMPONENT . 510 M AT STN 7 .



TEMPERATURE . 113 M AT STN 7 .

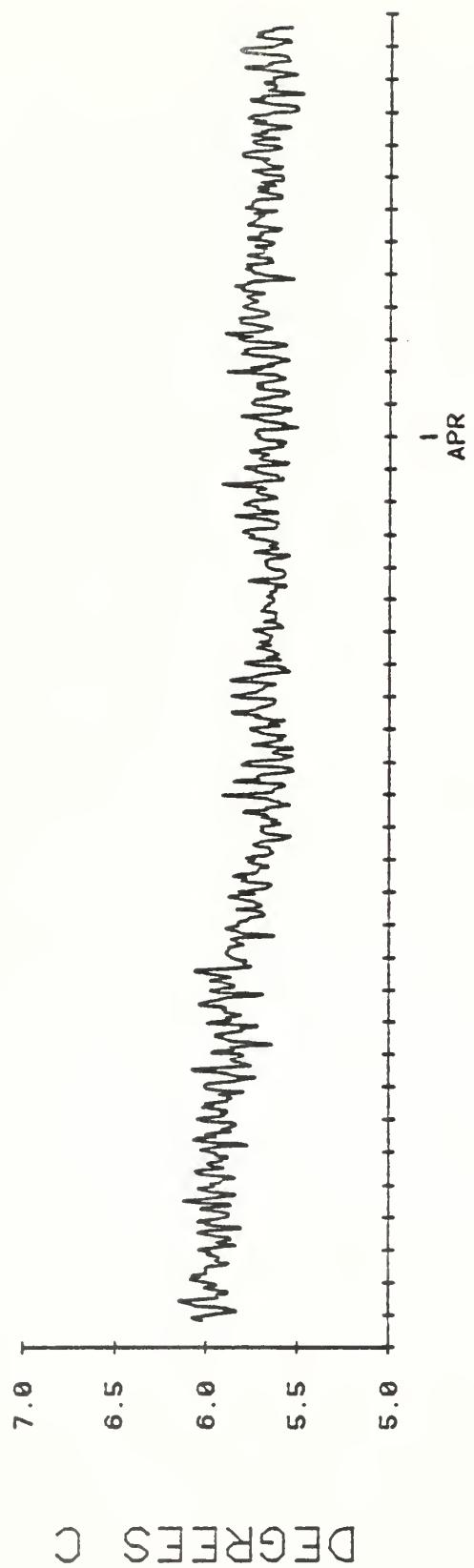


TEMPERATURE . 186 M AT STN 7 .

TEMPERATURE . 311 M AT STN 7 .



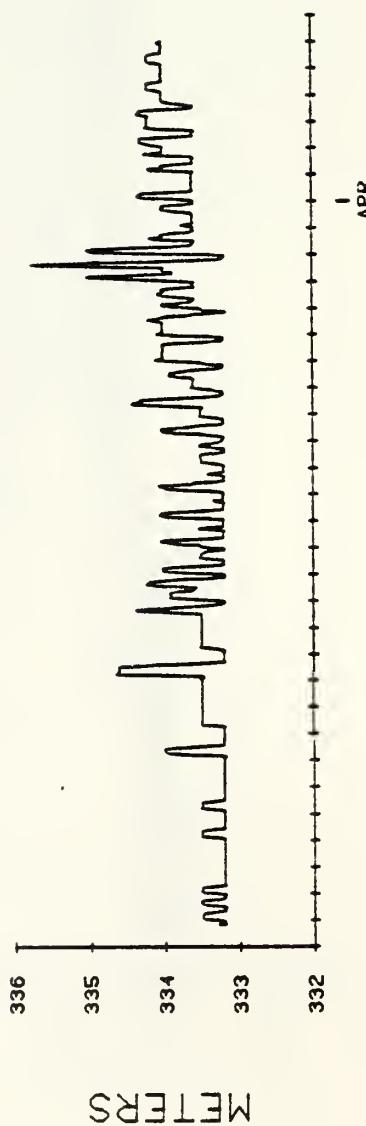
DEGREES C



TEMPERATURE . 510 M AT STN 7 .

DEPTH (FROM PRESSURE) OF RCM 762 AT STN 7

APR



S E T E S

STATION 2 - 35° 52.4'N, 121° 33.6'W
 22 APR 80 - 2 JUN 80

Record #34, Depth 135 m

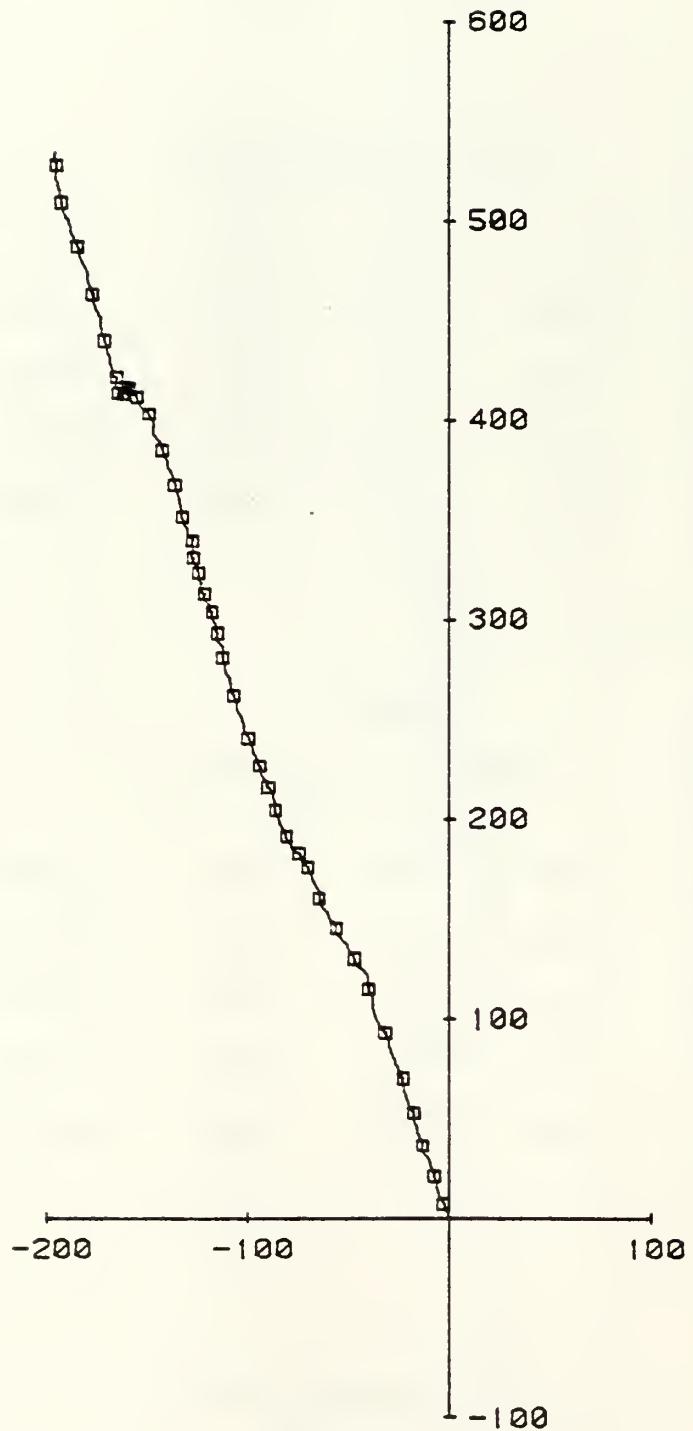
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	18.23	8.09	0.12	2.44	0.80	42.70	5774
U(cm/s)	-5.64	6.26	0.22	3.50	-25.50	25.70	5774
V(cm/s)	15.43	9.42	-0.21	2.60	-10.70	41.60	5774
T(°C)	8.21	0.27	-0.45	2.67	7.39	9.00	5774

Record #35, Depth 205 m

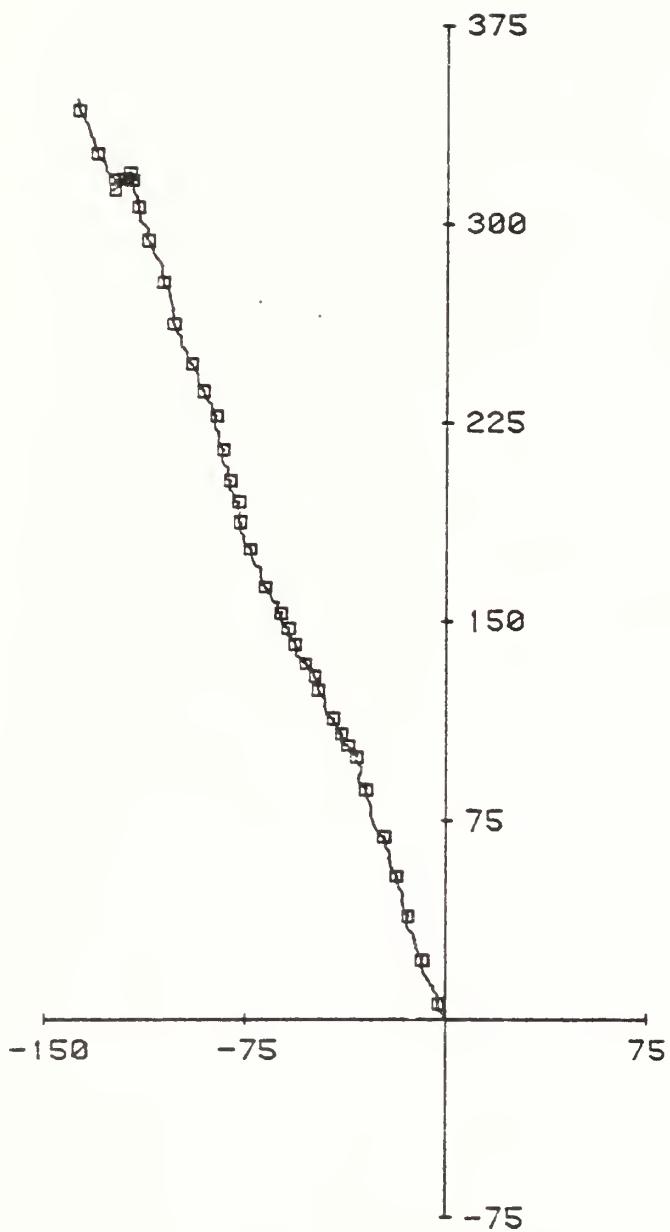
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	14.47	7.24	0.15	2.32	0.80	35.40	5149
U(cm/s)	-4.47	6.46	-0.06	2.72	-26.50	17.70	5149
V(cm/s)	11.20	8.63	-0.12	2.44	-16.00	32.10	5149
T(°C)	7.67	0.25	-0.41	2.72	6.82	8.38	5149
Z(meters)	242.75	0.48	1.42	6.10	241.90	244.80	5149

Record #36, Depth 328 m

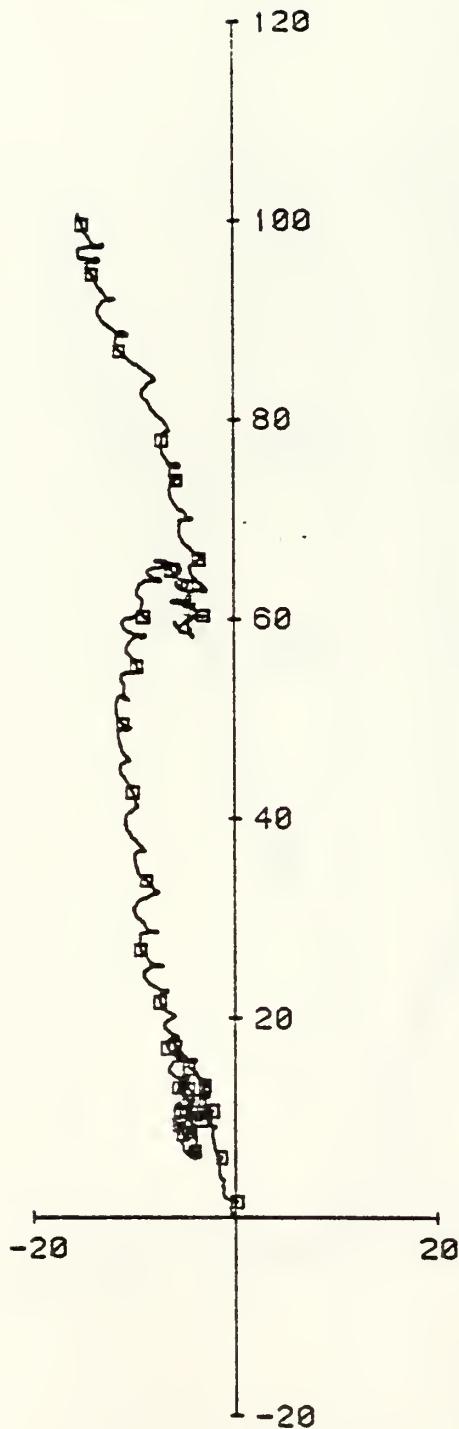
	MEAN	S.D.	SKEW	KURT	MIN	MAX	N
S(cm/s)	8.54	6.40	0.62	2.59	0.80	28.90	5949
U(cm/s)	-0.46	7.21	0.13	3.88	-26.40	27.10	5559
V(cm/s)	3.02	6.98	0.25	3.49	-22.20	27.10	5559
T(°C)	6.86	0.27	-0.17	2.71	5.99	7.71	5949



135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1

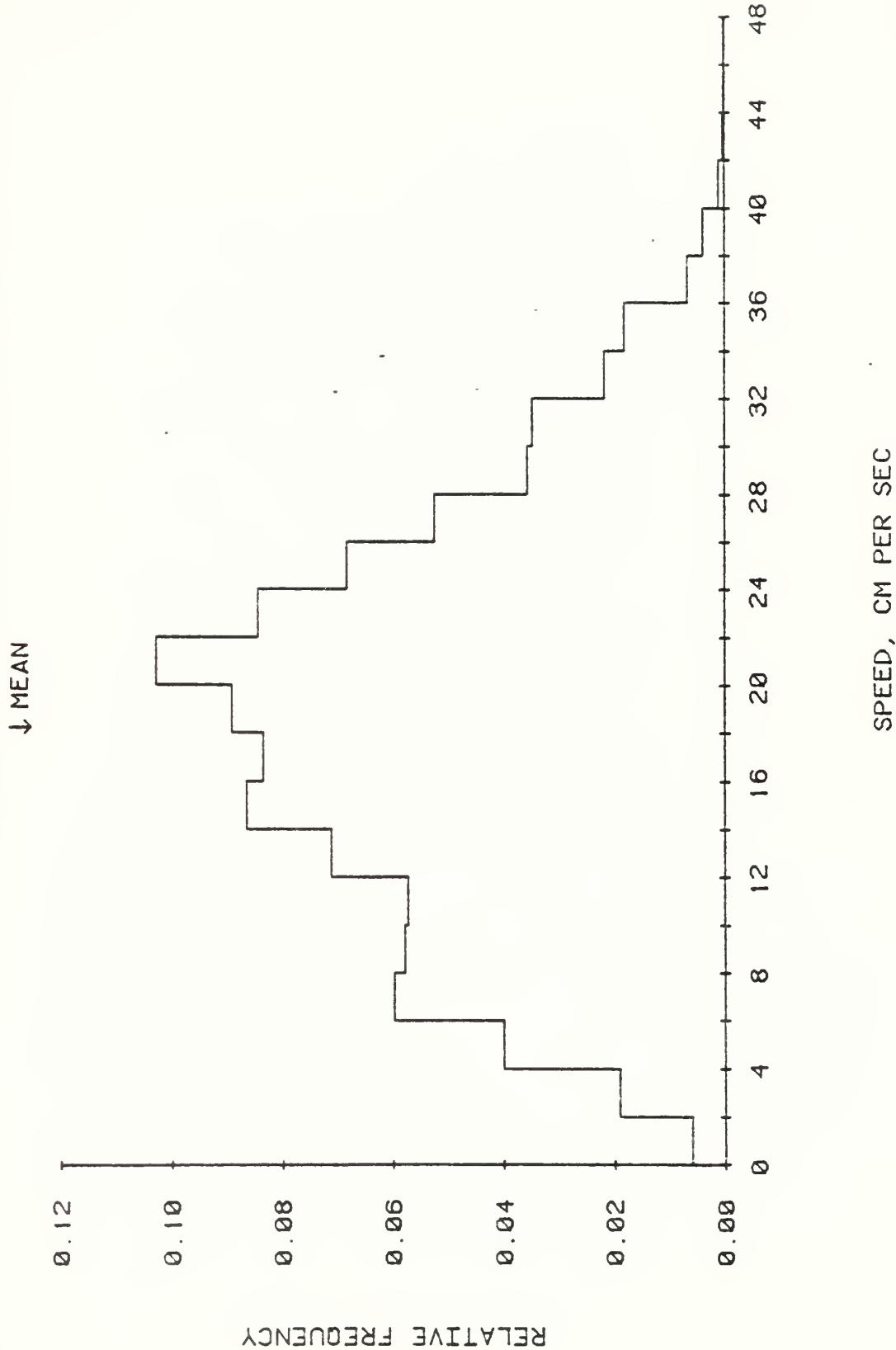


205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.

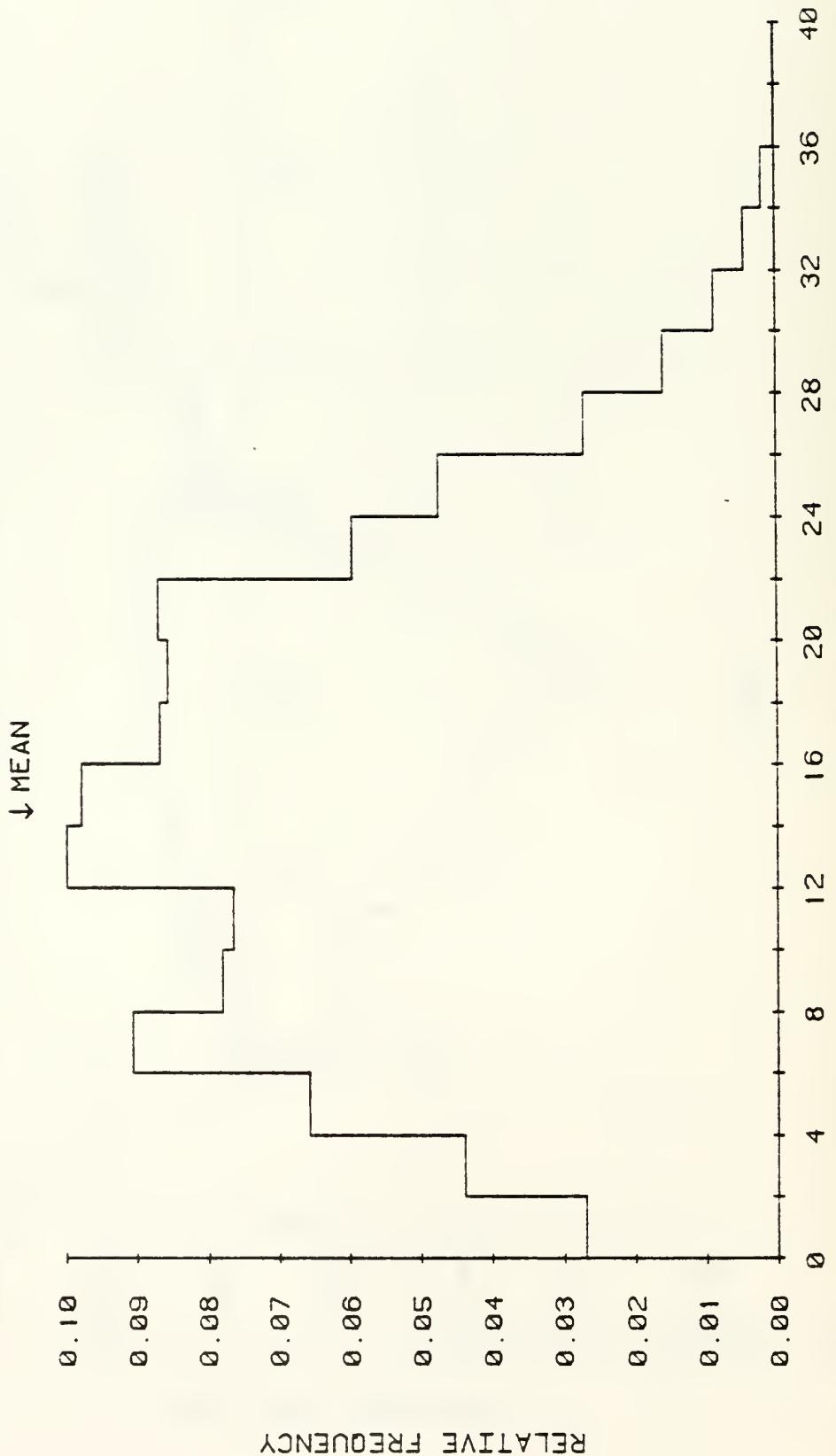


328 M AT STN 2. 22 APR 80 - 31 MAY 80. TAPE 2759/

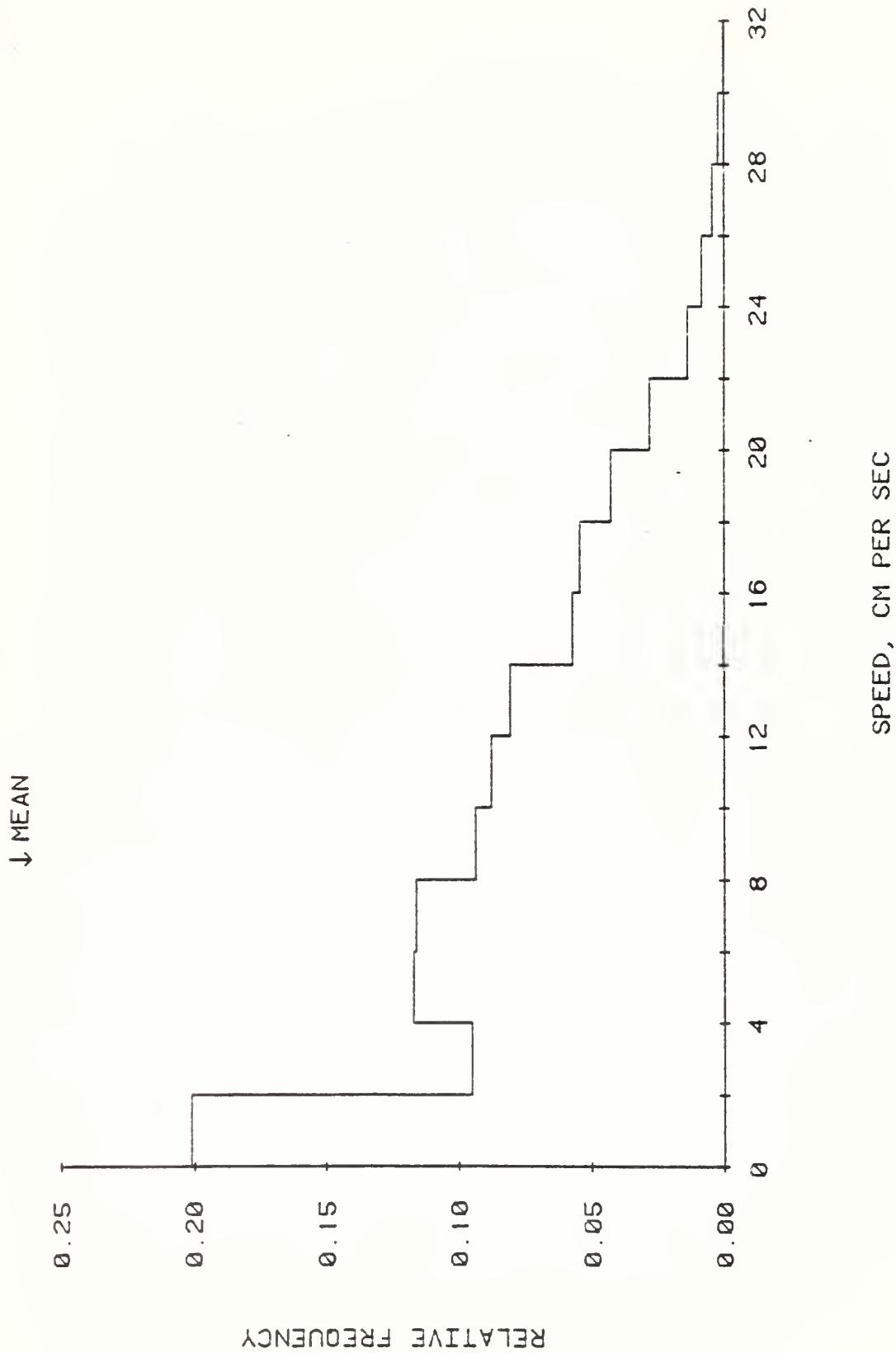
135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.



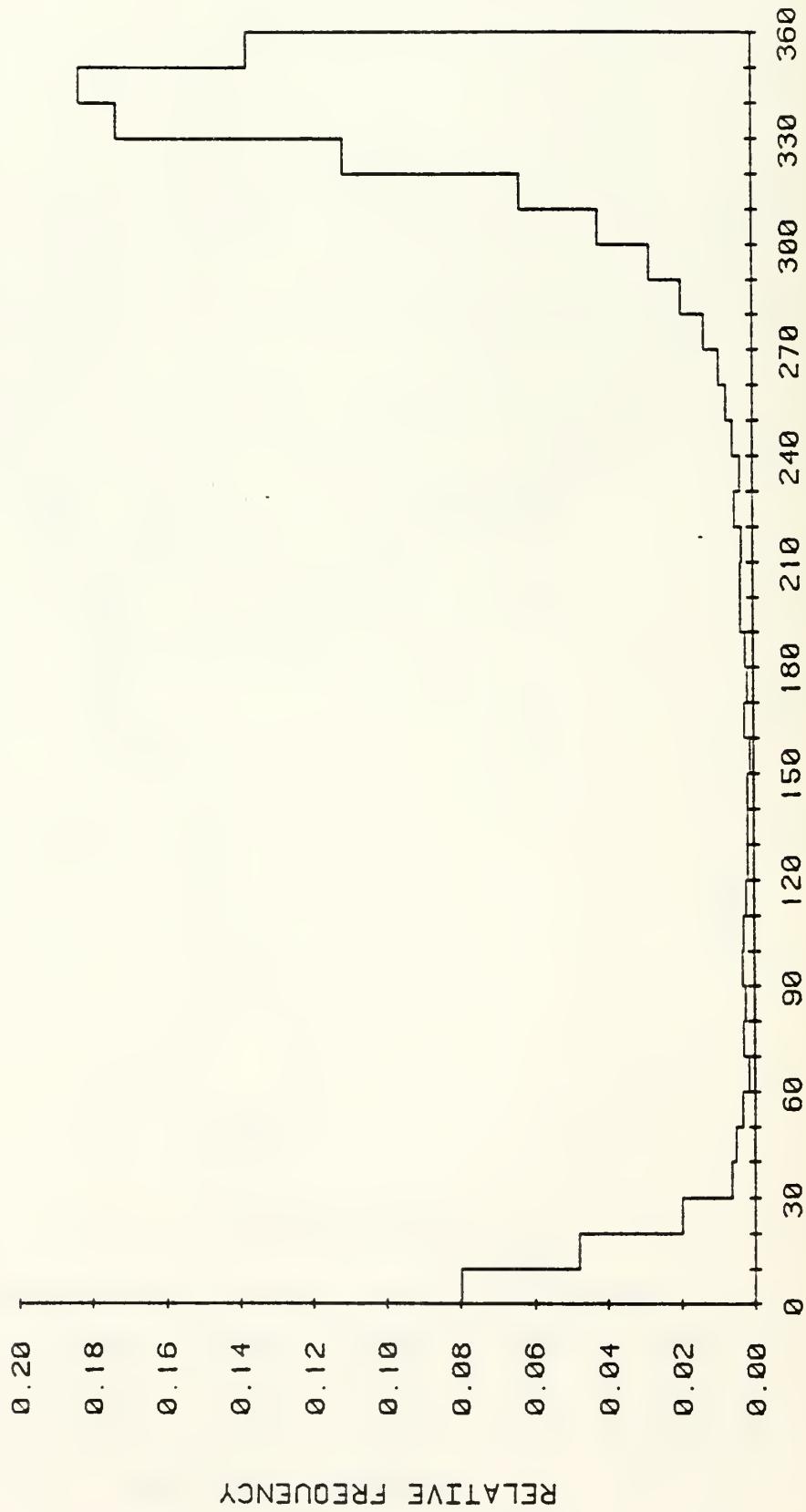
205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.



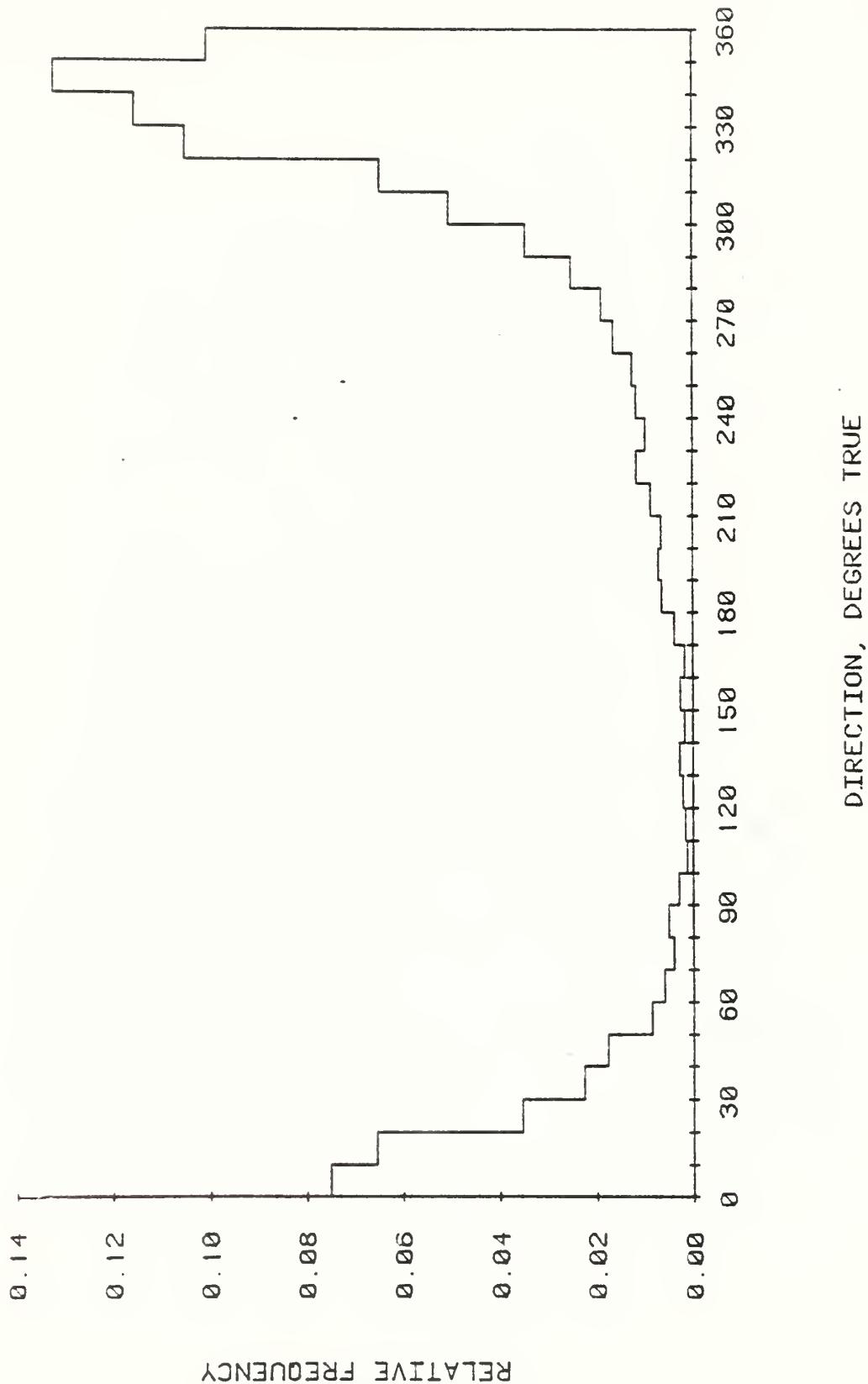
328 M AT STN 2. 22 APR 80 - 2 JUN 80. TAPE 2759/5.



135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.



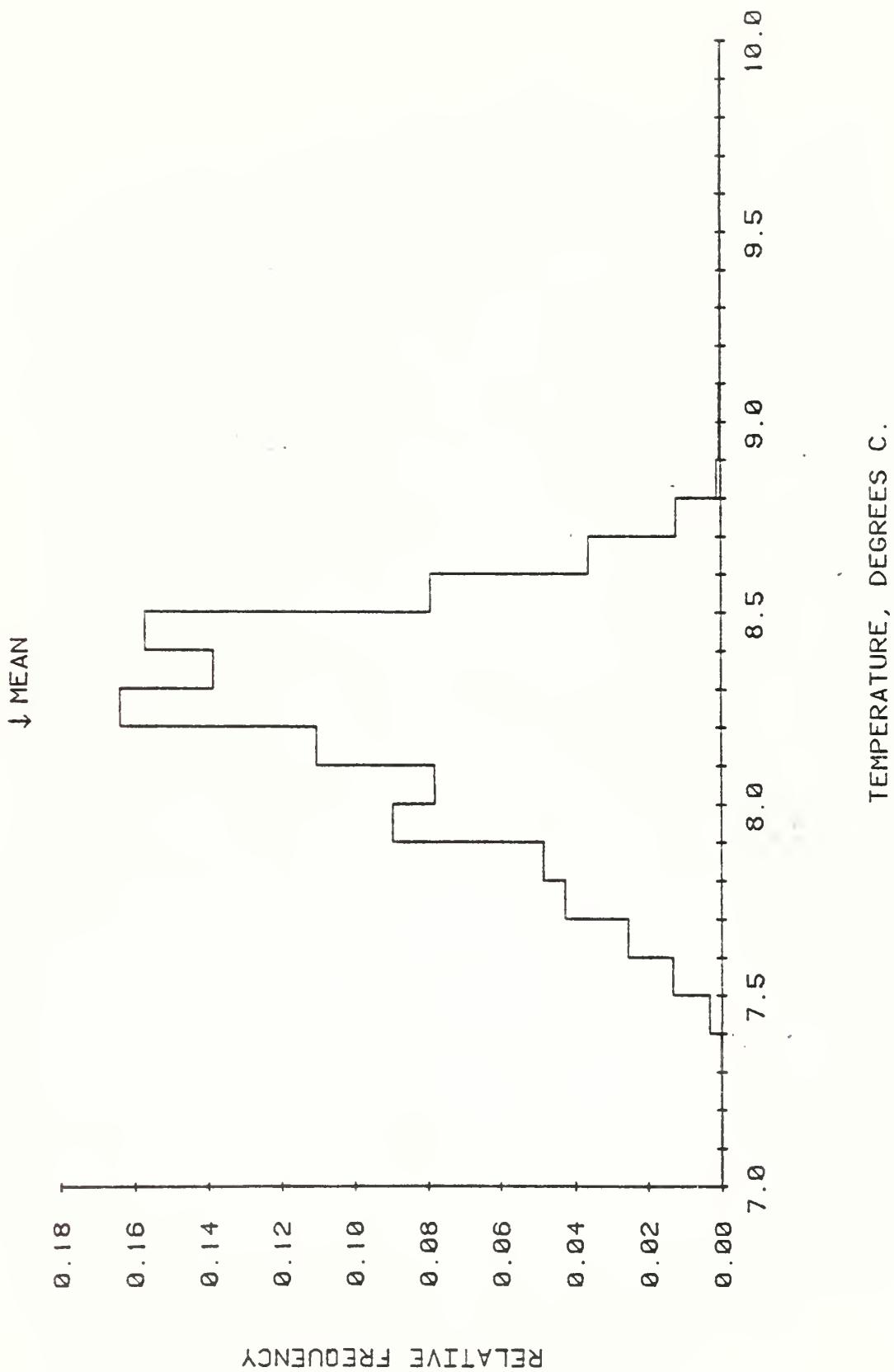
205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.



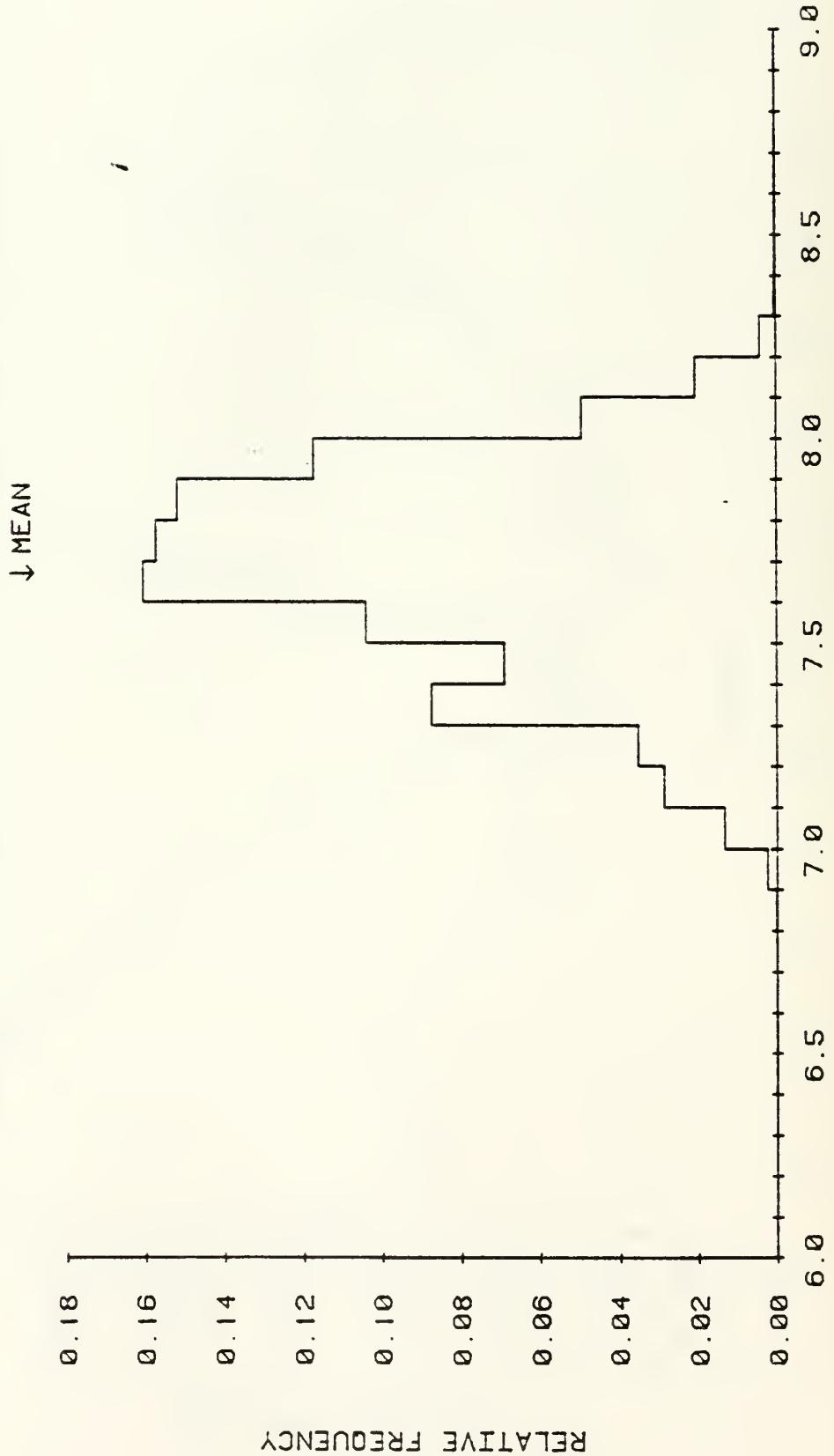
328 M AT STN 2. 22 APR 80 - 31 MAY 80. TAPE 2759/5.



135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.

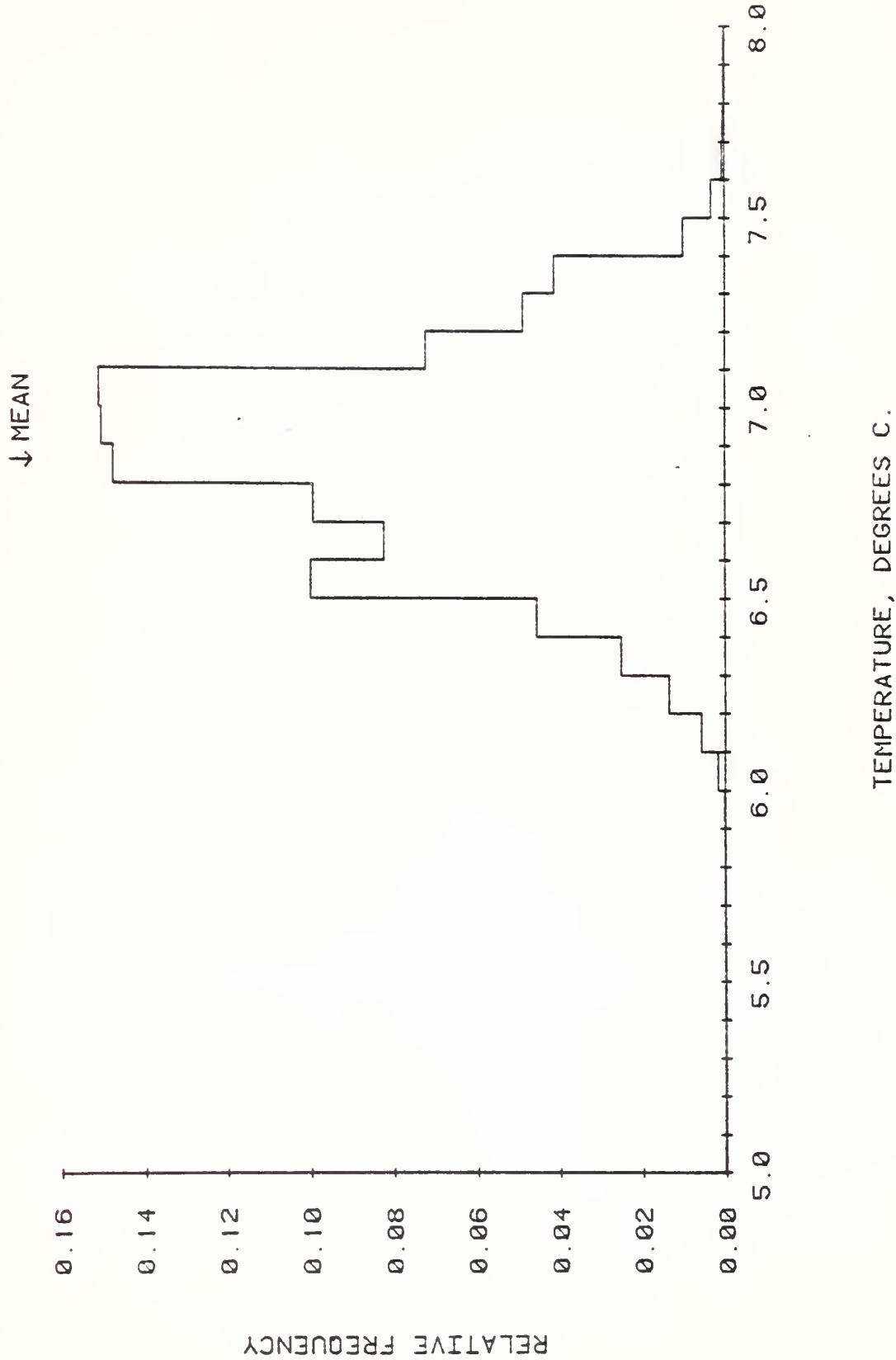


205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.

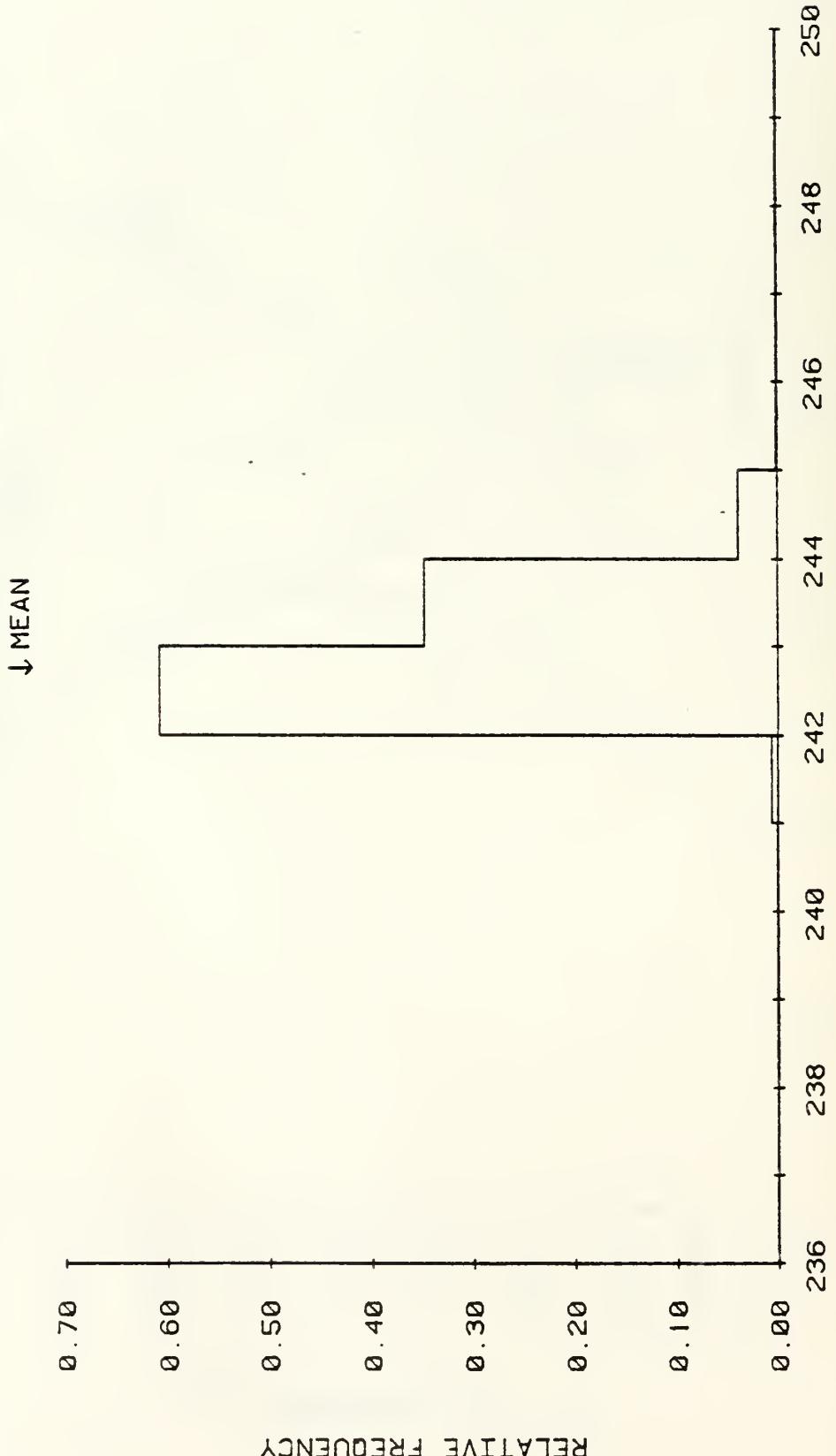


RELATIVE FREQUENCY

328 M AT STN 2. 22 APR 80 - 2 JUN 80. TAPE 2759/5.

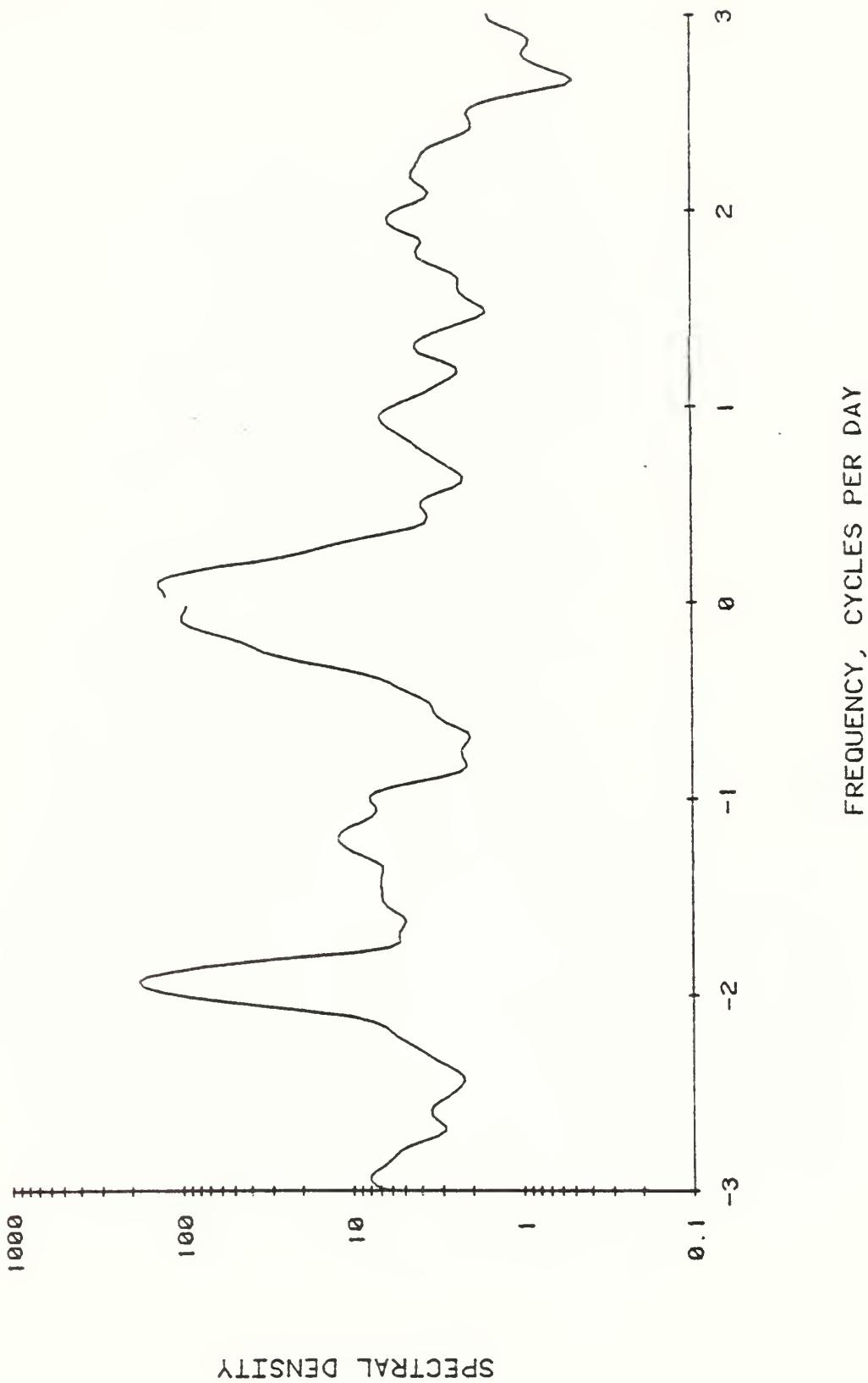


205 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.

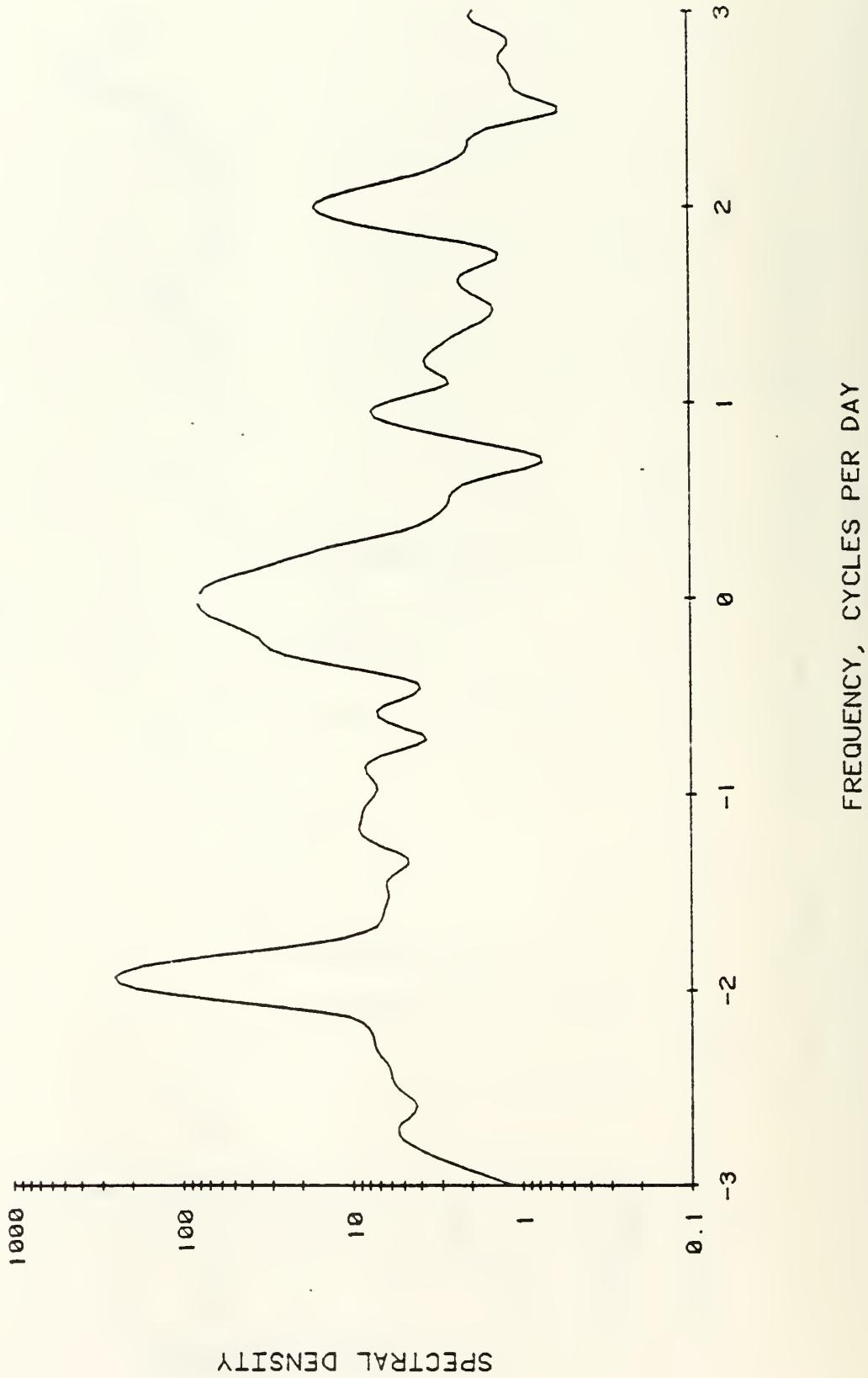


RELATIVE FREQUENCY

135 M AT STN 2. 22 APR 80 - 1 JUN 80. TAPE 2519/1.

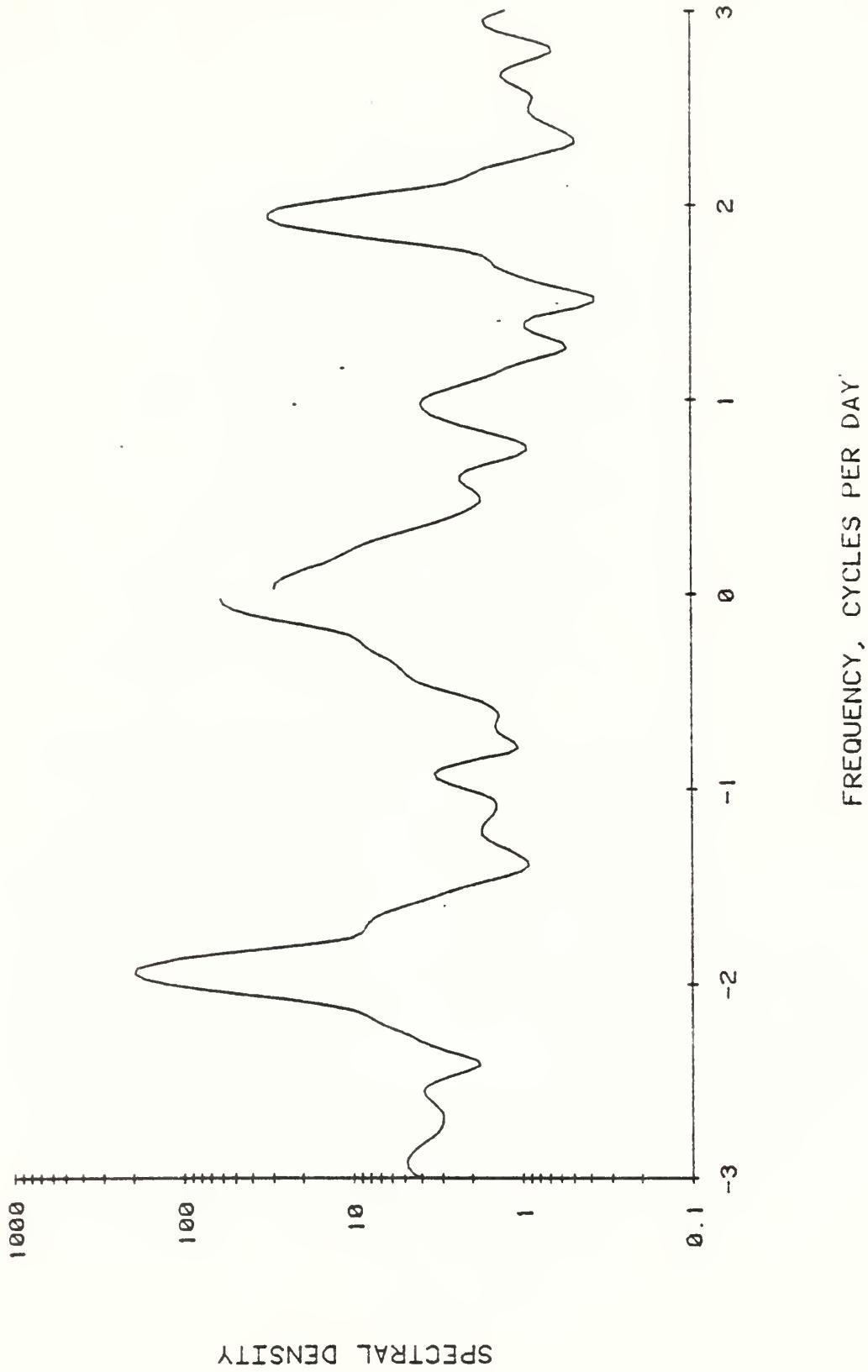


2005 M AT STN 2. 22 APR 80 - 28 MAY 80. TAPE 1319/6.

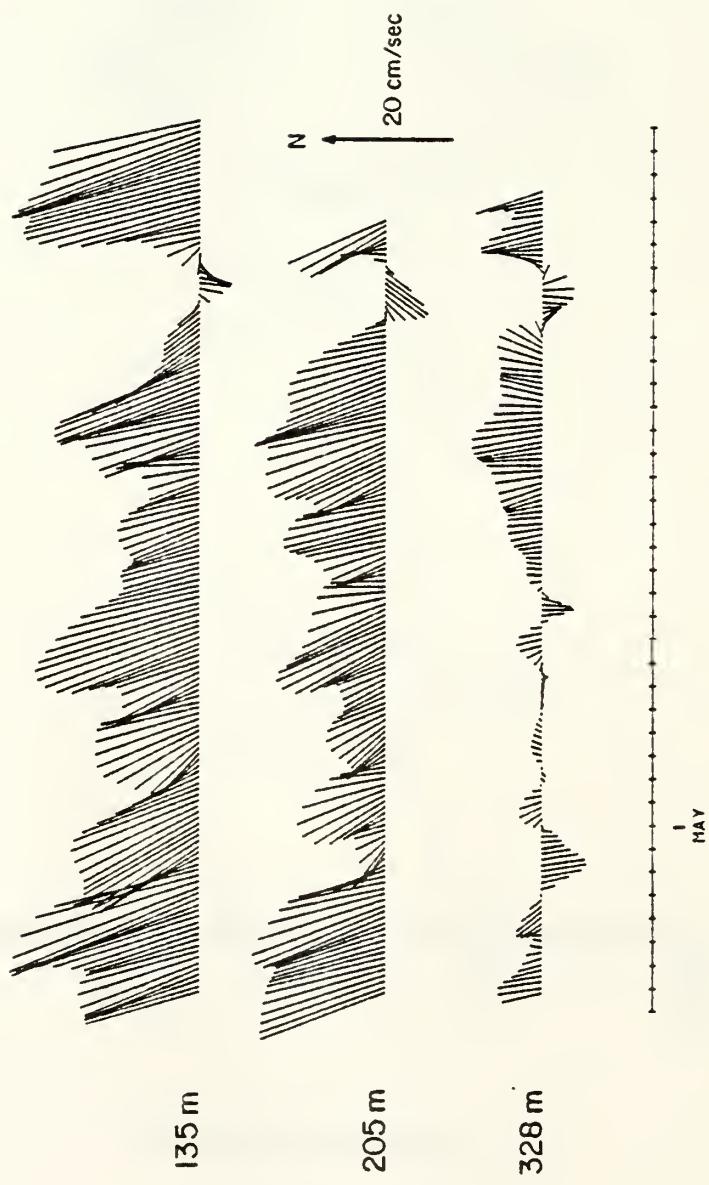


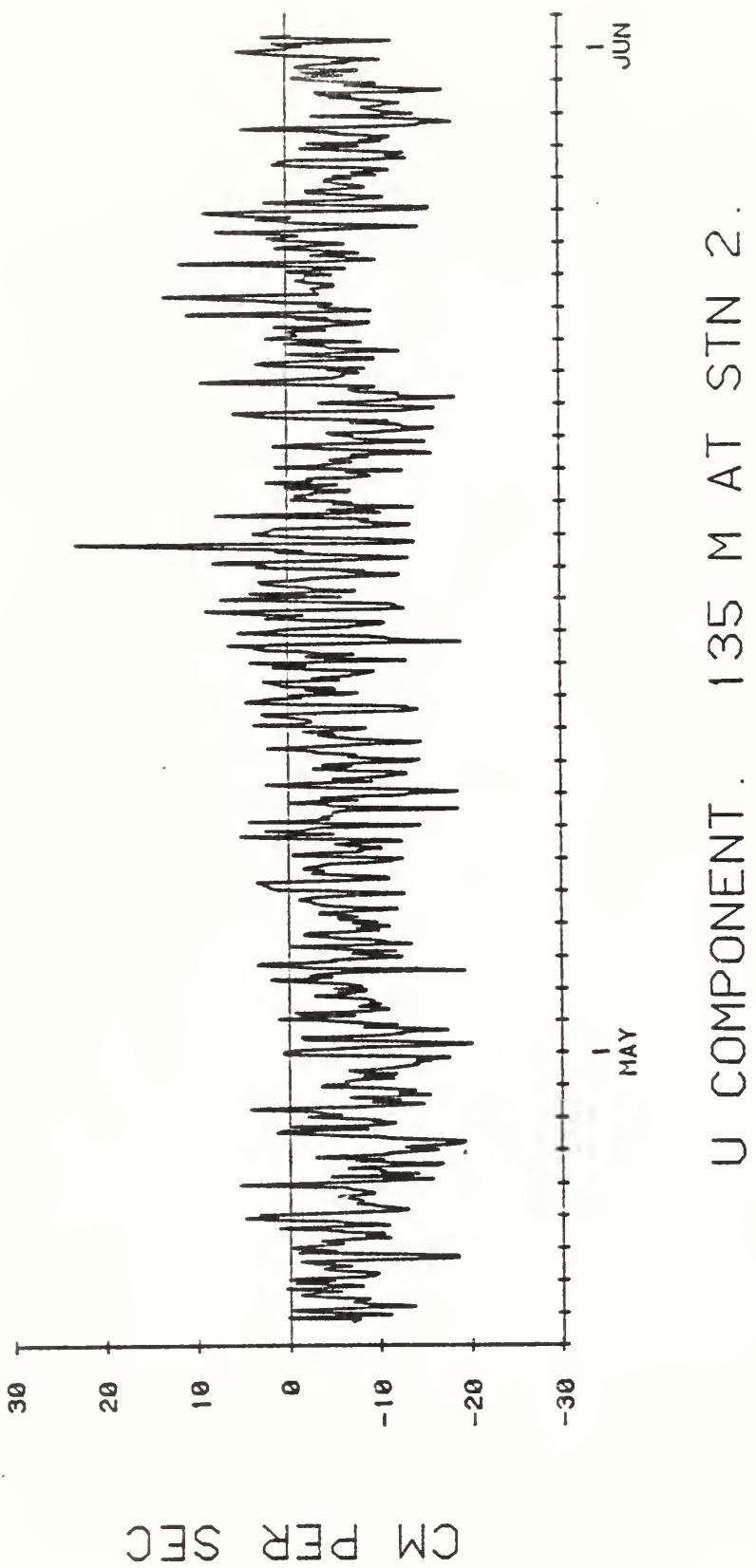
SPECTRAL DENSITY

328 M AT STN 2. 22 APR 80 - 31 MAY 80. TAPE 2759/5.



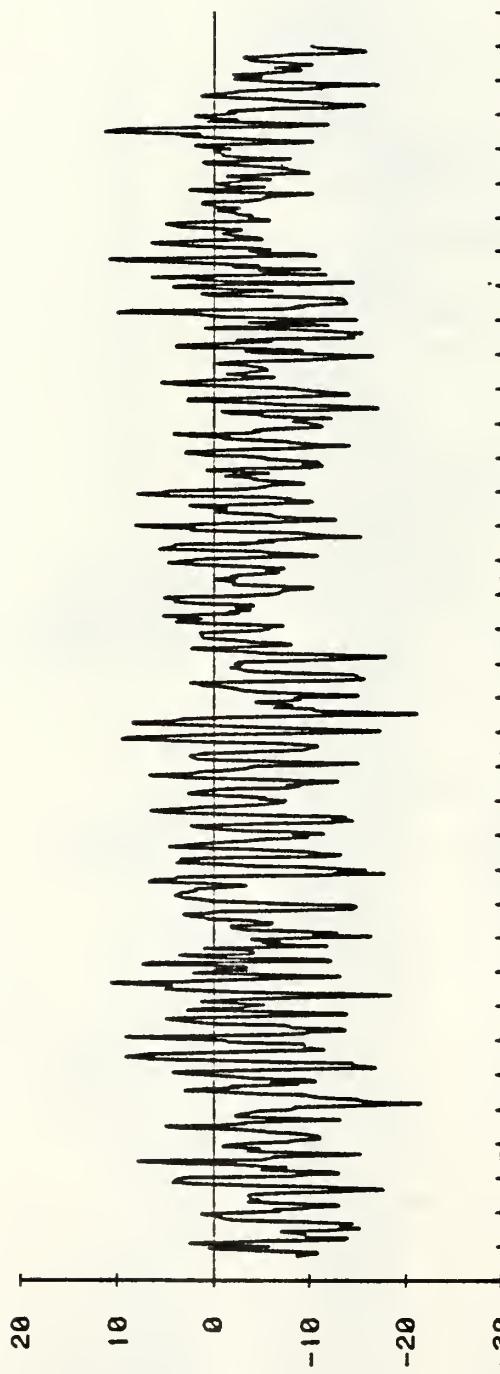
LLP FILTERED CURRENT AT STATION 2. APRIL, MAY 1980



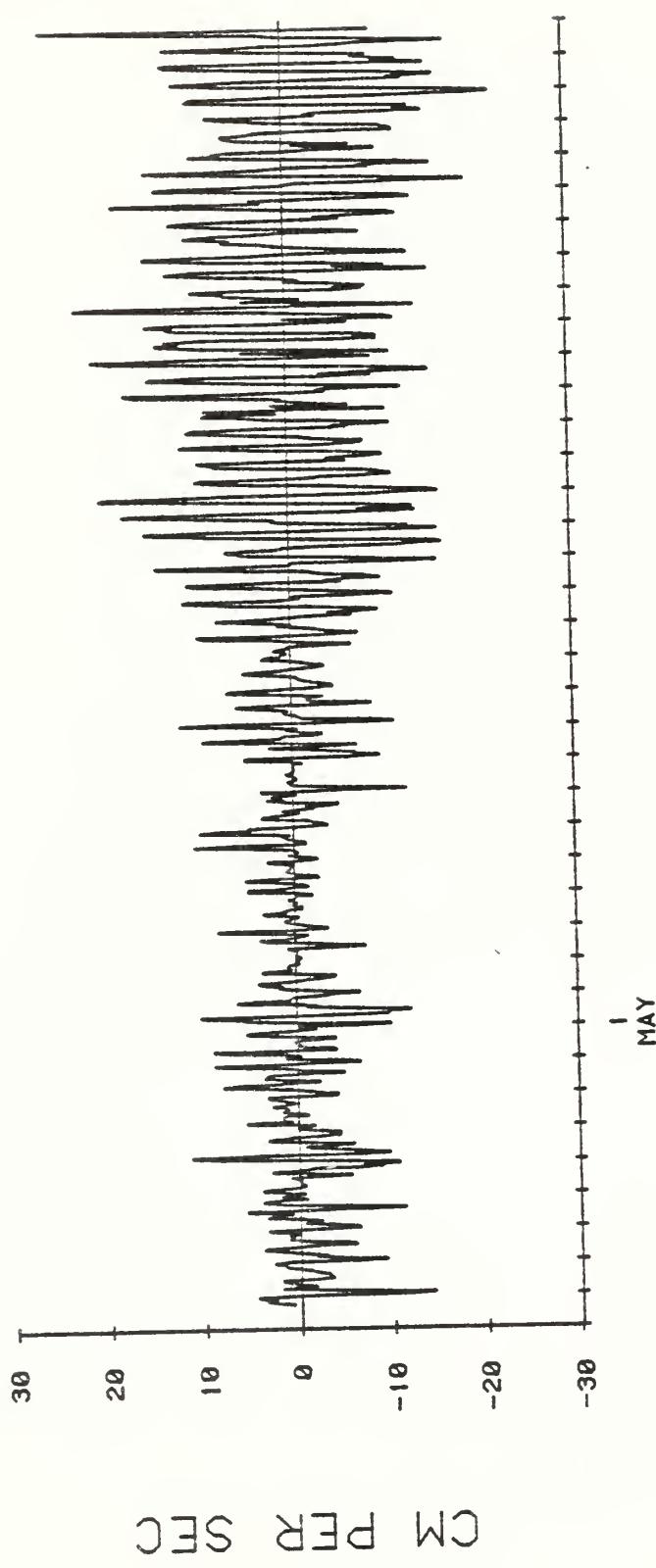


U COMPONENT . 205 M AT STN 2.

MAY

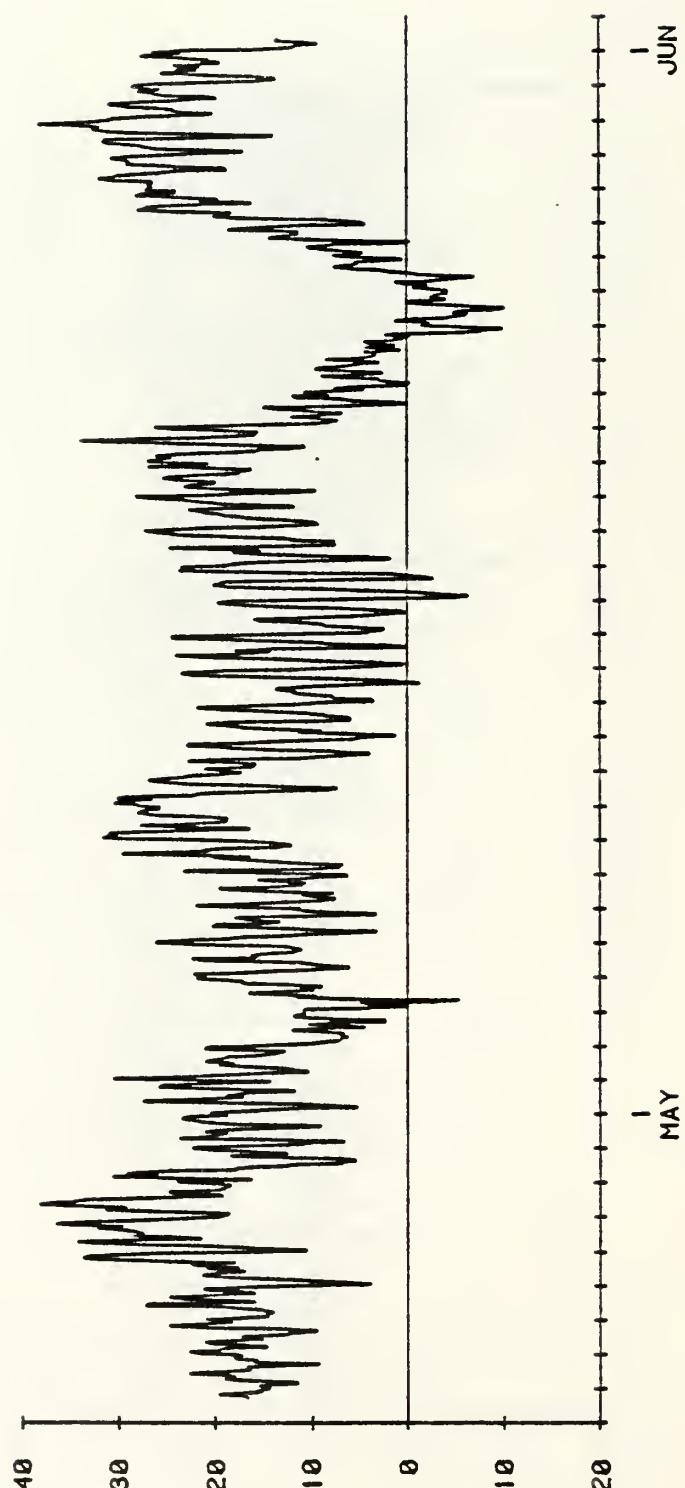


CM PER SEC



U COMPONENT . 328 M AT STN 2 .

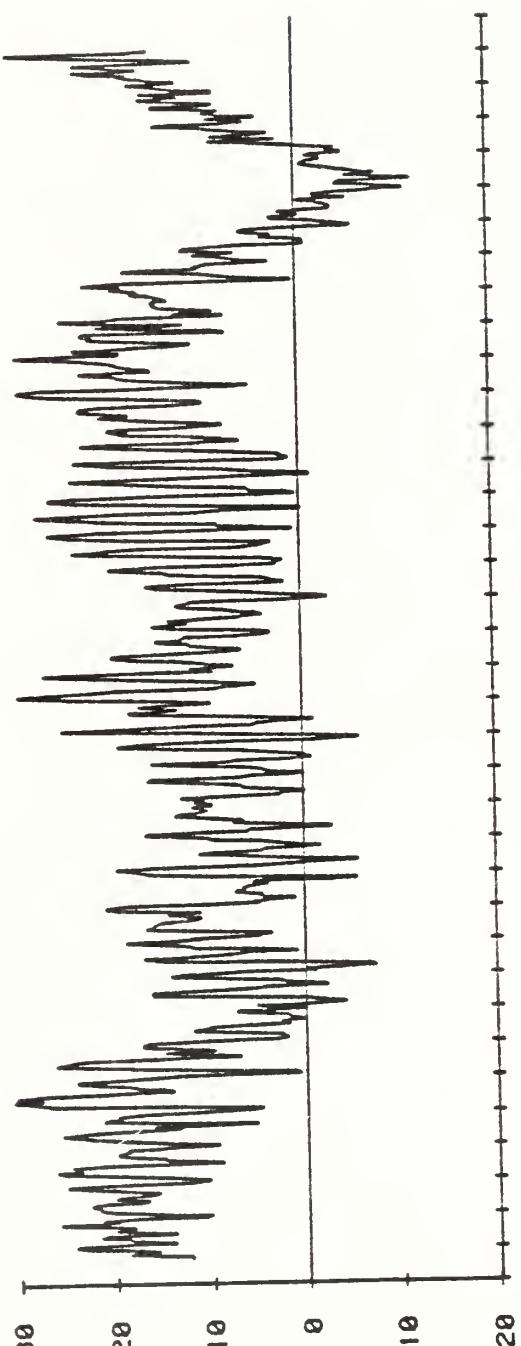
V COMPONENT . . 135 M AT STN 2.



CM PER SEC

V COMPONENT . 205 M AT STN 2 .

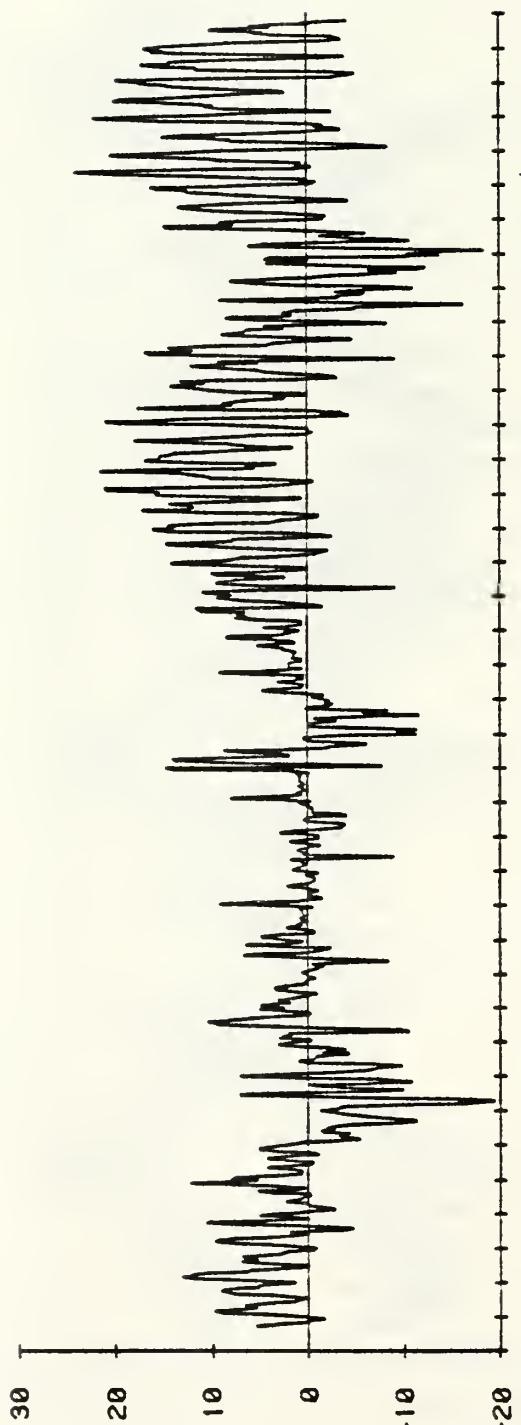
MAY
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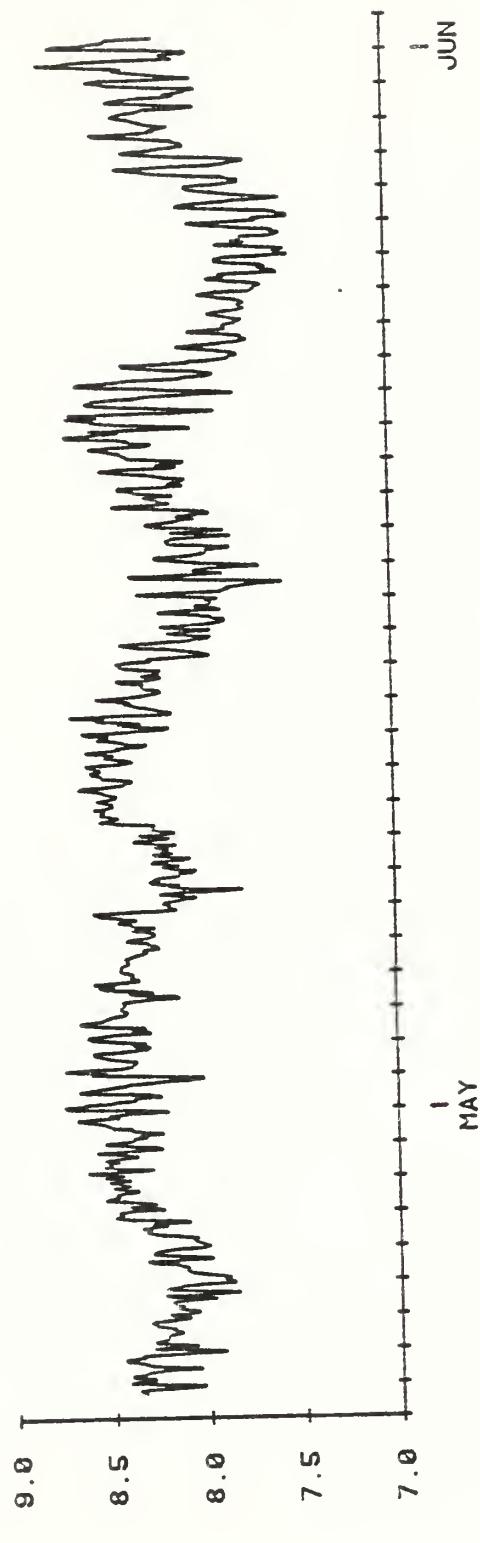
CM PER SEC

V COMPONENT . 328 M AT STN 2.

1
MAY



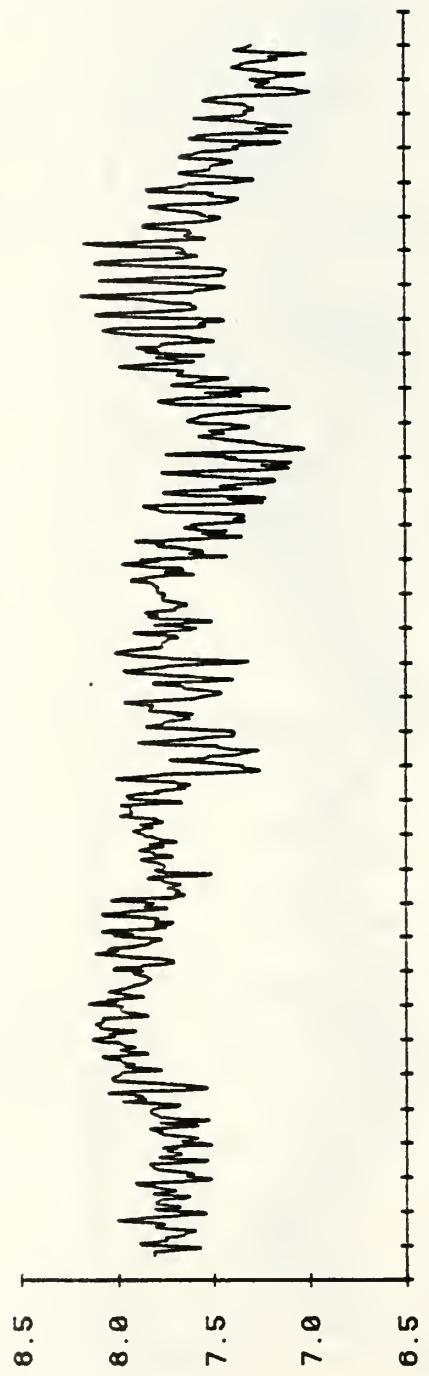
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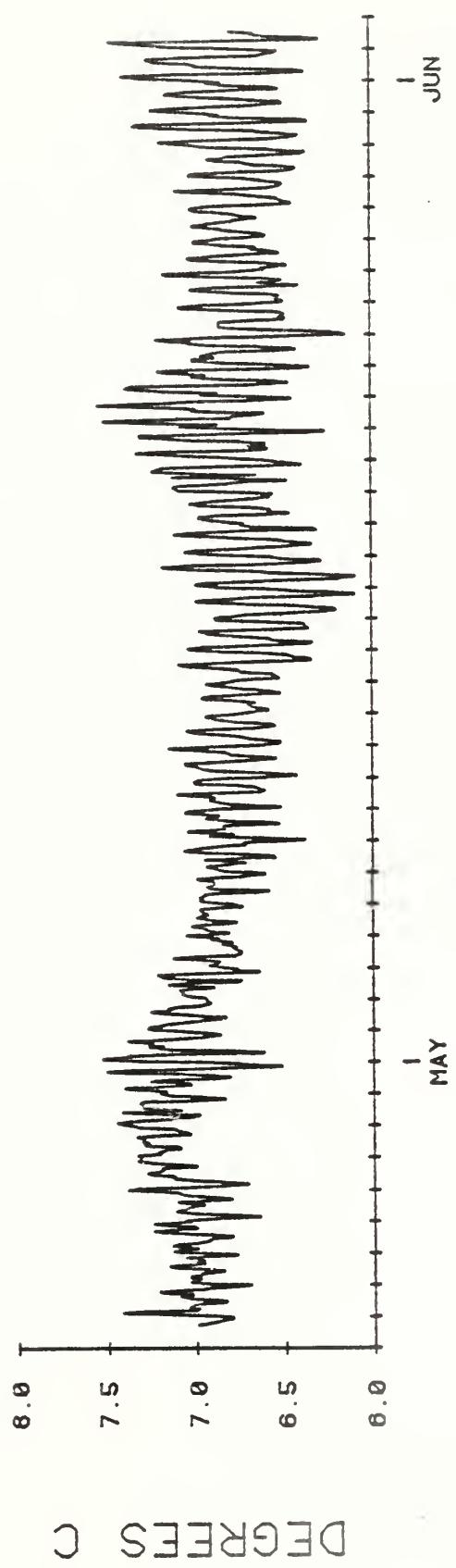
TEMPERATURE. 135 M AT STN 2.

TEMPERATURE 205 M AT STN 2.

MAY

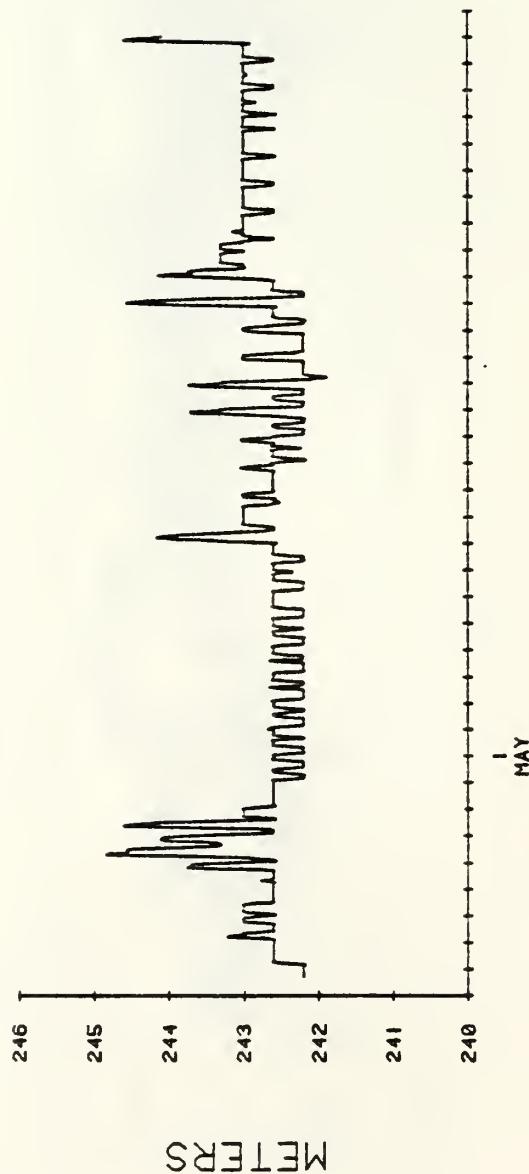


DEGREES C



TEMPERATURE . 328 M AT STN 2 .

DEPTH (FROM PRESSURE) OF RCM 1319 AT STN 2.



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