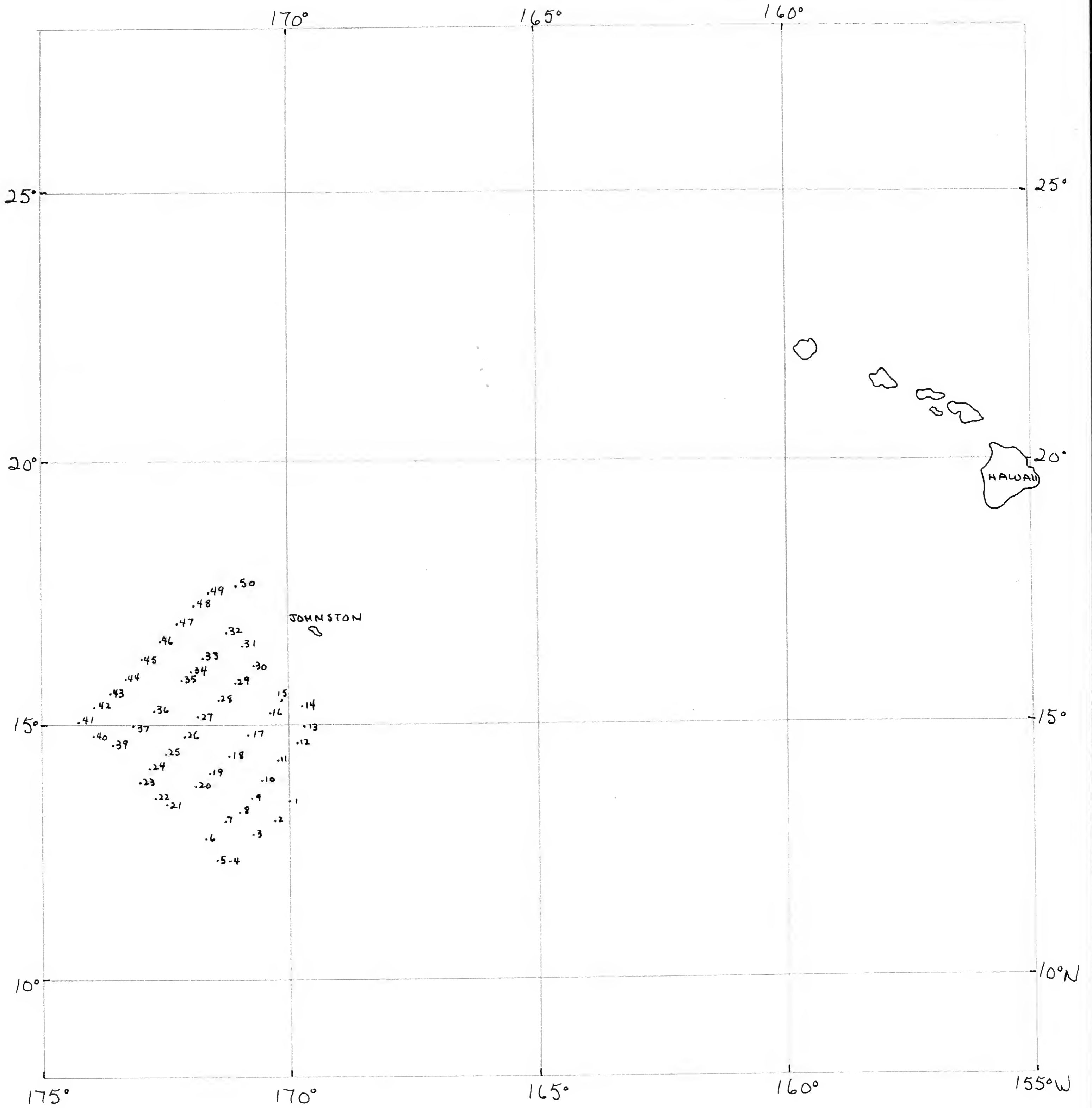


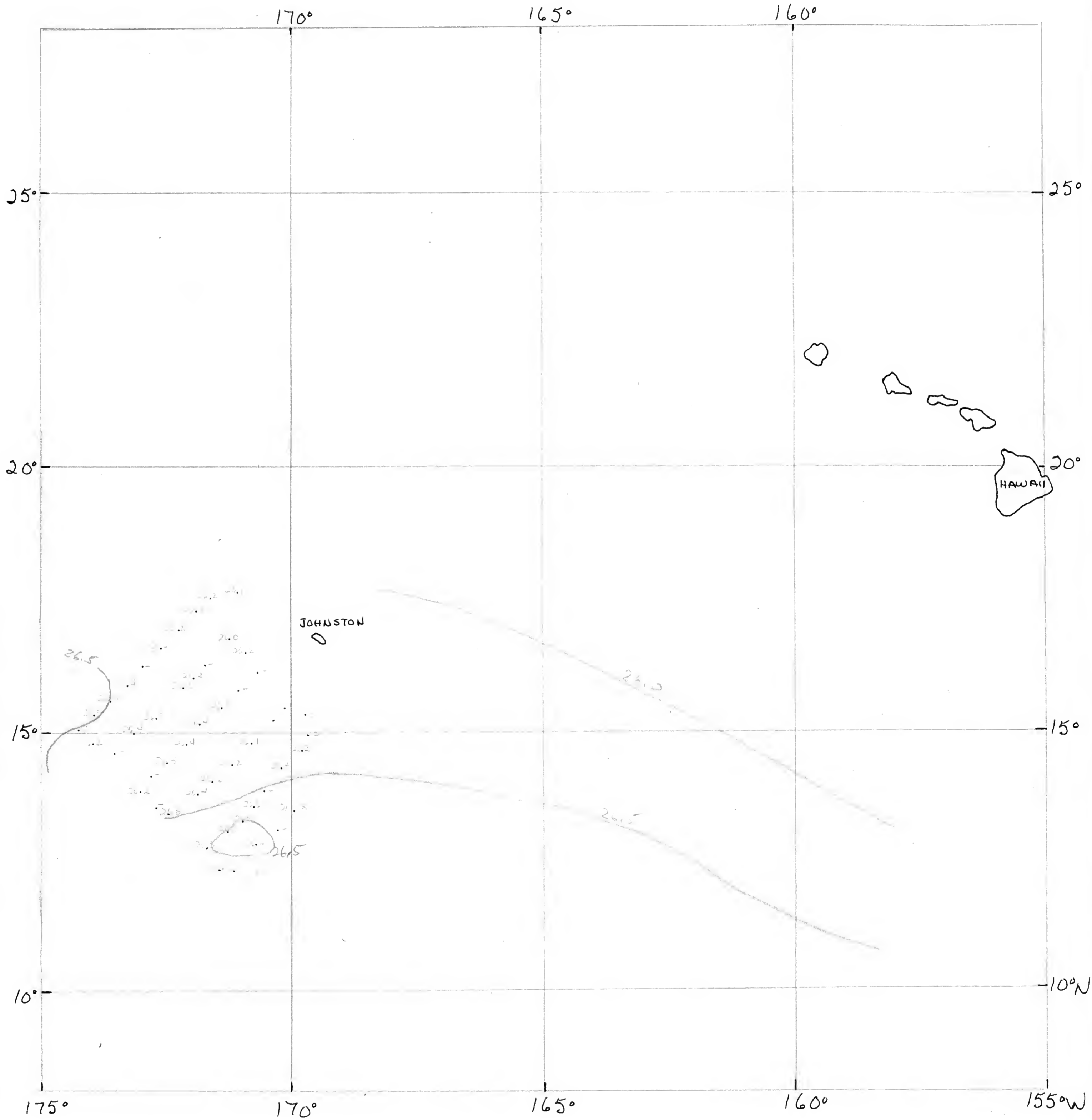
SMITHSONIAN CRUISE #98 - DEC.  
DEC. 11, '64 to DEC. 17, '64

BT STATIONS  
(NO # 38)



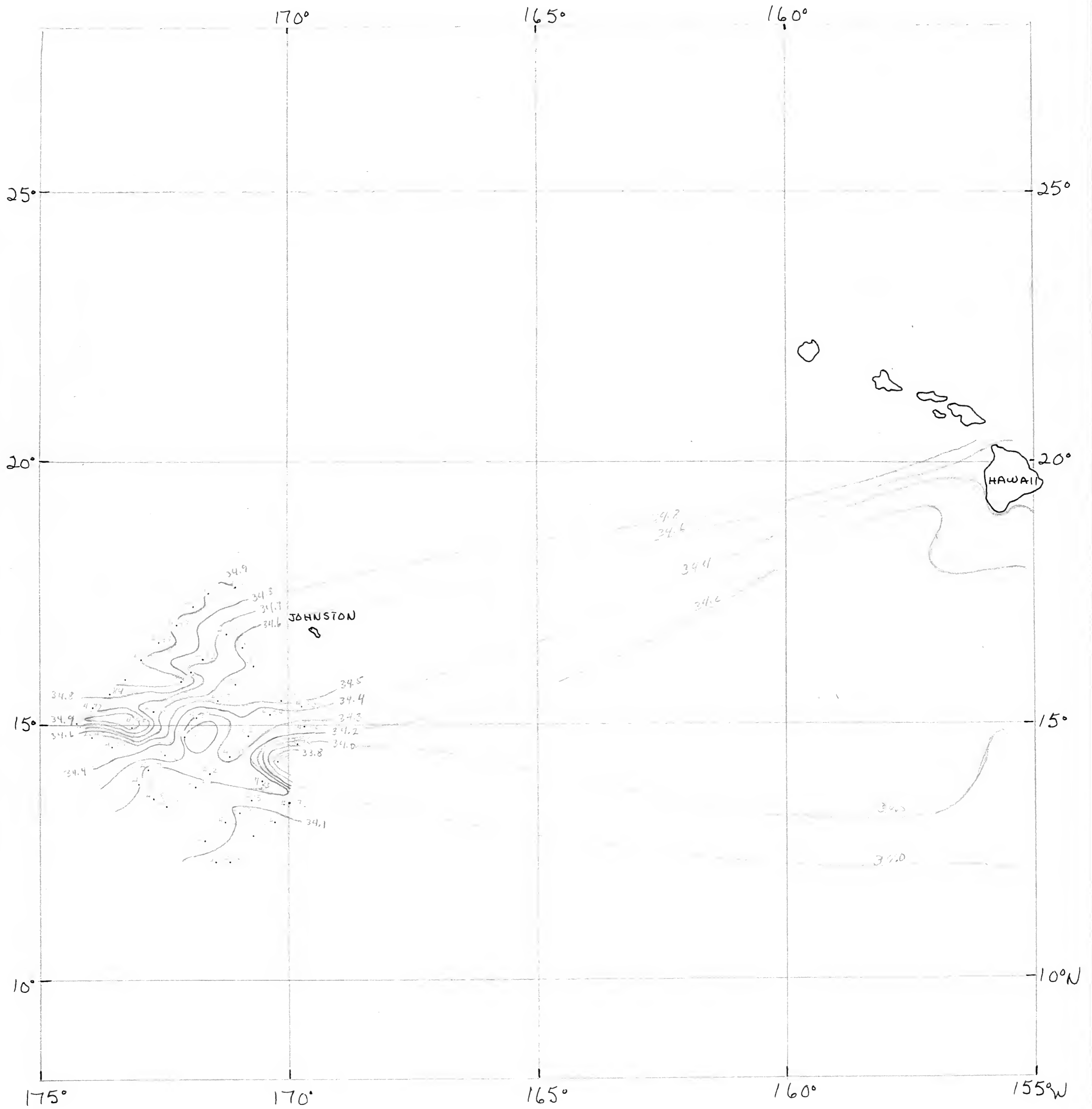
SMITHSONIAN CRUISE #98 - DEC.  
DEC. 11, '64 to DEC. 17, '64

CORRECTED  
SURF. TEMP. °C.



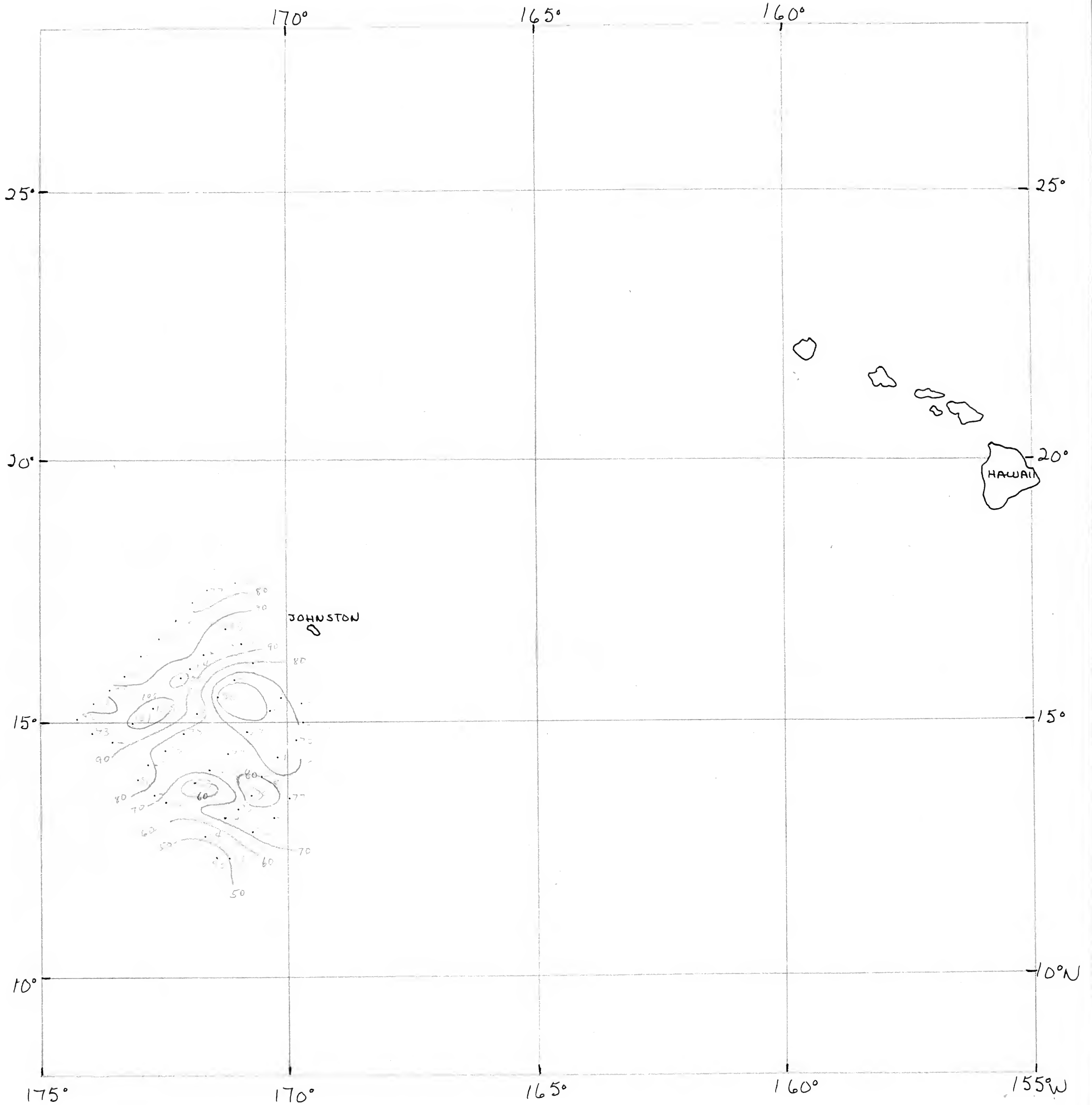
SMITHSONIAN CRUISE #98- DEC.  
DEC. 11, '64 to DEC. 17, '64

SURFACE  
SALINITY ‰



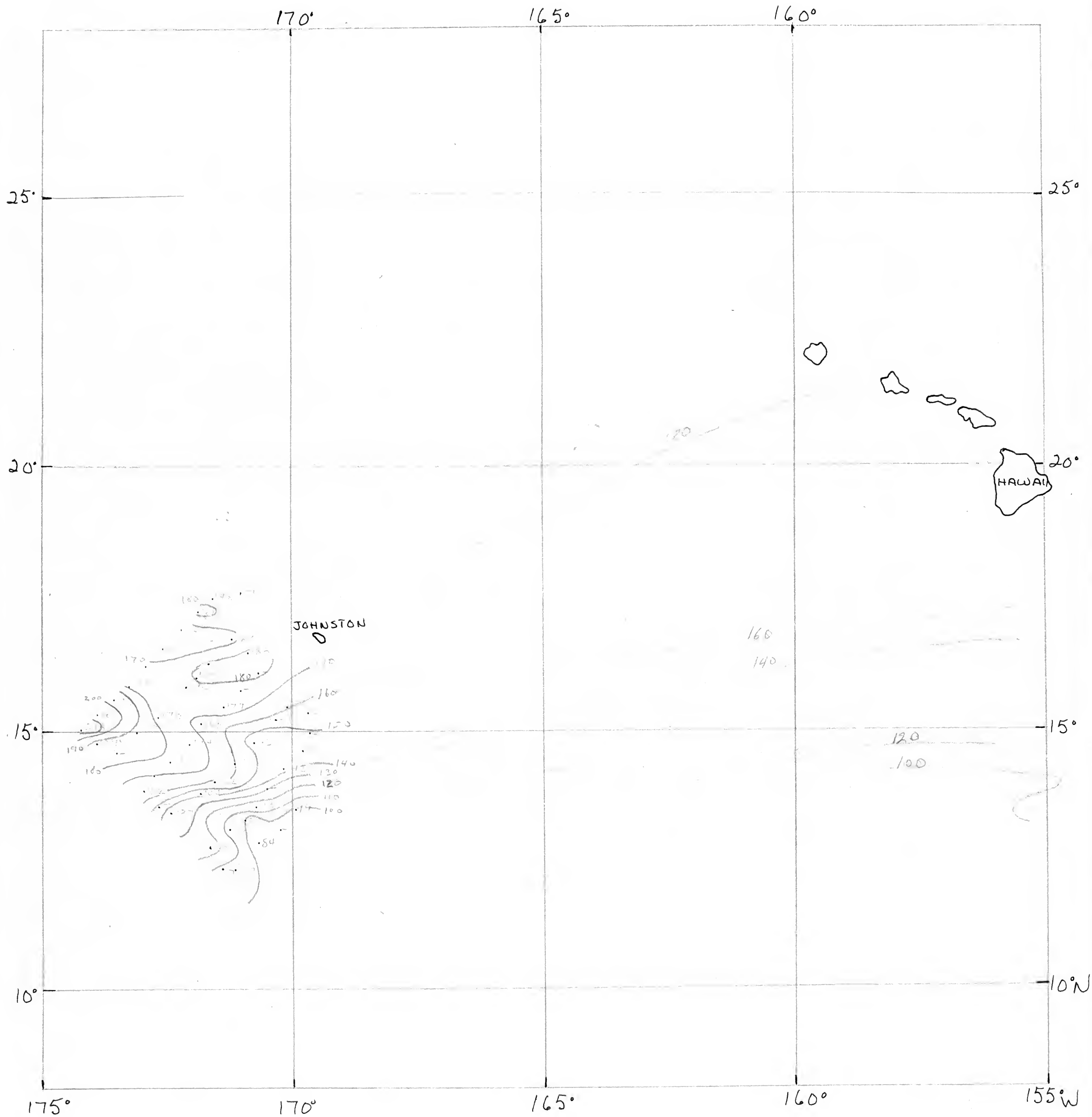
SMITHSONIAN CRUISE #98 - DEC.  
DEC. 11, '64 to DEC. 17, '64

DEPTH OF THE  
MIXED LAYER



SMITHSONIAN CRUISE #98- DEC.  
DEC. 11, '64 to DEC. 17, '64

20° ISOTHERM (M)



BT JJ 105421

Smithsonian Dec 1964 Cruise (No. 96) ①

# Depth for BT Stations - 1M -

Station Number	LET	Day	month	Year	Lat (N) deg. min	Long. (W) deg. min	Sample Number	Salinity o/oo	Temp °C	#
1	0700	11	XII	1964	13° 45'	169° 32'	132	34.19	26.6	1
							133	34.19	26.6	5
							134	missing	26.5	10
							135	34.18	26.4	20
							137	34.35	20.8	12
2	1100	11	XII	1964	13° 30'	170° 00'	48	34.17	26.8	BT 1
5	1400				13° 05'	173° 22'	74	34.06	27.0	BT 2
8	1700				12° 40'	171° 40'	81	34.05	26.6	BT 3
10	2000				12° 20'	171° 20'	45	34.04	26.6	BT 4
12	2300				12° 22'	171° 21'	17	34.13	26.5	BT 5
15	0200	12	XII	1964	12° 40'	171° 44'	131	34.19	26.3	BT 6
18	0500				13° 05'	171° 25'	213	34.12	26.4	BT 7
19	0700				13° 15'	171° 06'	119	34.16	26.5	1
							126	34.18	26.4	4
							127	34.16	26.5	9
							128	34.17	26.5	17
							129	missing	18.1	110
20	0600				13° 18'	171° 05'	205	34.09	26.4	BT 8
22	1100				13° 32'	170° 47'	84	34.13	26.6	BT 9
24	1400				13° 56'	170° 31'	182	34.25	26.9	BT 10
27	1700				14° 19'	170° 11'	95	33.80	26.4	BT 11
29	2000				14° 36'	169° 52'	109	33.96	26.4	BT 12
32	2300				14° 59'	169° 46'	170	34.28	25.7	BT 13
34	0200	13	XII	1964	15° 13'	170° 04'	12	34.45	26.0	BT 14
36	0500				15° 21'	170° 37'	24	34.57	26.0	15
38	0700				15° 13'	170° 23'	135	34.37	25.9	1
							140	34.37	25.9	6
							147	34.37	26.1	18
							151	34.37	26.1	24

Station number	LT	Day	Month	Year	Lat. (N) Deg. Min.	Long. (W) Deg. Min.	Sample number	Salinity o/oo	Temp °C	Depth in m
38	0700	13	XII	1964	15° 13'	170° 23'	160	35.11	23.0	130
39	0800				15° 12'	170° 23'	90	34.34	26.0	BT 16
41	1.00				14° 48'	170° 51'	106	34.41	26.2	BT 17
43	1410				14° 25'	171° 15'	130	34.34	26.5	BT 18
46	1700				14° 02'	171° 37'	63	34.25	26.3	BT 19
48	2000				13° 49'	171° 54'	87	34.15	26.3	BT 20
51	2300				13° 27'	172° 30'	85	34.18	26.3	BT 21
53	0200	14	XII	1964	13° 33'	172° 44'	218	34.18	26.3	BT 22
56	0500				13° 52'	173° 01'	211	34.20	26.0	BT 23
57	0700				14° 05'	172° 47'	208	34.12	26.1	1
							212	34.11	26.2	6
							216	34.17	26.2	13
							221	34.14	26.2	24
							223	34.93	23.6	127
58	0800				14° 08'	172° 49'	53	34.17	26.1	BT 24
60	1100				14° 26'	172° 29'	83	34.36	26.4	BT 25
62	1400				14° 31'	172° 07'	91	34.18	26.6	BT 26
65	1700				15° 03'	171° 55'	206	34.24	26.3	BT 27
67	2000				15° 29'	171° 25'	103	34.53	26.5	BT 28
70	2300				15° 48'	171° 04'	112	34.52	26.1	BT 29
72	0200	15	XII	1964	16° 09'	170° 42'	75	34.59	25.9	BT 30
75	0500				16° 30'	170° 59'	100	34.59	26.1	BT 31
							10	34.90	26.2	1
							14	34.90	26.2	5
							56	34.87	26.2	10
							82	34.81	26.2	20
							98	35.04	23.9	120
77	0800				16° 43'	171° 16'	125	34.61	26.1	BT 32
79	1100				16° 16'	171° 43'	110	34.72	26.4	BT 33

Smithsonian Rec. R/V Cruise - (No. 98)

Salinity Samples -

Station number	LZT	day	month	year	Lat (N) deg. min.	Long. (W) deg. min.	Sample number	Salinity o/oo	T °C	Depth m
81	1400	15	XII	1964	16° 00'	171° 59'	120	34.66	28.0	BT 31
84	1700				15° 51'	172° 08'	78	34.98	27.5	BT 35
86	2000				15° 16'	172° 45'	93	34.65	26.4	BT 36
89	2300				14° 59'	173° 10'	94	34.98	26.3	BT 37
91	0200	16	XII	1964	14° 37'	3° 33'	67	34.44	26.1	BT 39
94	0500				14° 41'	173° 56'	111	34.45	26.1	BT 40
95	0700				14° 58'	174° 11'	72	34.89	26.2	1
							73	34.90	26.3	3
							76	34.87	26.3	7
							77	Missing	26.3	16
							79	34.95	24.4	112
96	0800				15° 02'	174° 17'	107	34.90	26.3	BT 41
98	1100				15° 19'	173° 55'	184	34.72	26.8	BT 42
100	1400				15° 36'	173° 37'	86	34.84	27.1	BT 43
103	1700				15° 53'	173° 20'	114	34.92	26.9	BT 44
105	2000				16° 15'	172° 55'	105	34.90	26.4	BT 45
108	2300				16° 35'	172° 37'	117	34.98	26.3	BT 46
110	0200	17	XII	1964	16° 56'	172° 16'	186	34.87	26.2	BT 47
113	0500				17° 15'	171° 54'	99	34.96	26.3	BT 48
115	0800				17° 30'	171° 35'	92	34.85	26.0	BT 49
114	0700				17° 26'	171° 43'	69	34.88	26.1	1
							88	34.77	26.1	7
							96	34.84	26.2	14
							97	Missing	26.1	28
							102	34.14	22.4	135
116	1100				17° 38'	171° 00'	115	34.90	26.0	BT 50

38



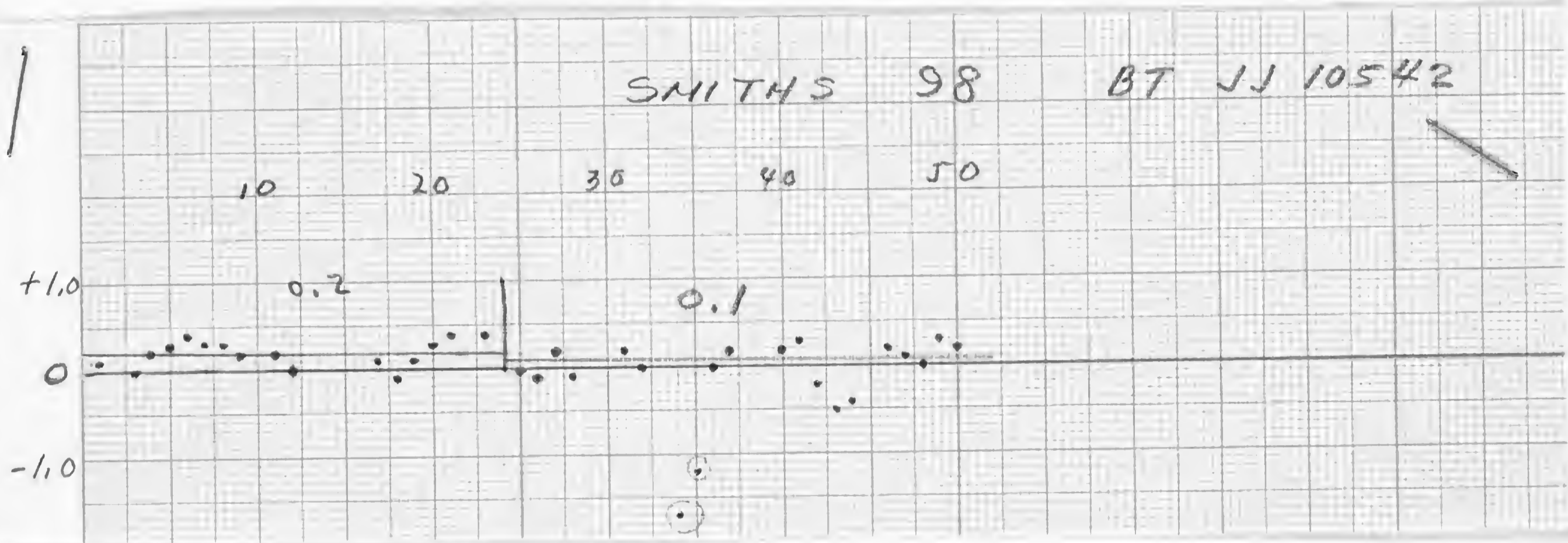
SMITH S.

98

BT

JJ 10542

1	26.8	0.2	-0.2	26.8	31	26.3	26.1	0.2	-0.1	26.2
3	.6			.4	32	.1	.1	0		.0
4	.6			.6	34	.3	28.0	-1.7	✓	.2
5	.6			.6	35	.3	27.5	-1.3	✓	.2
6	.3			.5	36	.4	26.4	0		.3
7	.4			.5	37	.5	.3	.2		.4
8	.4			.5	40	.3	.1	.2		.2
9	.6			.6	41	.6	.3	.3		.5
11	.4			.4	42	.6	.8	-0.2		.5
12	.4			.2	43	.6	27.1	-0.5		.5
17	.2			.1	44	.6	26.9	-0.4		.4
18	.5			.2	46	.5	.3	.2		.4
19	.3			.2	47		.2	.1		.2
20	.3			.4	48		.3	0		.2
21	.3			.5	49		.0	.3		.2
23	.0			.2	50		.0	0		.1
25	.4		-0.1	.3						
26	.6			.4						
27	.3			.4						
28	.5			.3						



DEC. SW CR #98

	20° 150		D.M.L							
	1	77	77							
	2	84	72							
	3	107	51							
	4	107	43							
	5	109	54							
	6	108	74							
	7	98	75							
	8	113	90							
	9	142	61							
	10	145	70							
713-16	11	145	67							
	12	159	77							
	13	162	76							
	14	144	53							
	15	137	66							
	16	162	86							
	17	177	73							
	18	174	78							
	19	168	81							
	20	177	50							
	21	183	91							
	22	169	93							
	23	183	94							
	24	176	100							
	25	175	108							
	26	188	101							
	27	189	73							
	28	213	92							
	29	205	83							
	30	195	93							
	31	178	80							
	32	166	85							
	33	164	86							
	34	181	78							
	35	178	77							
	36	175	76							