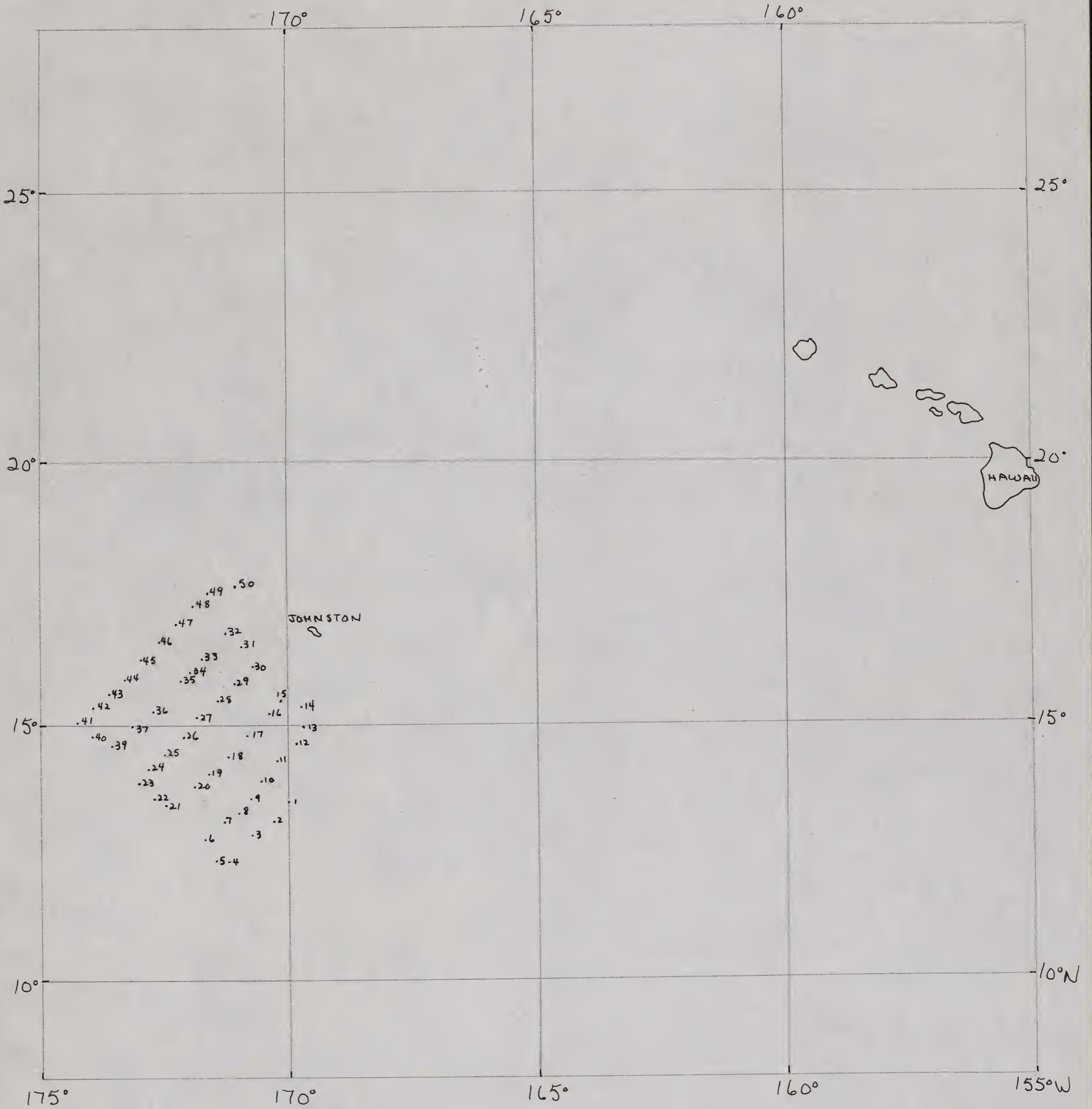


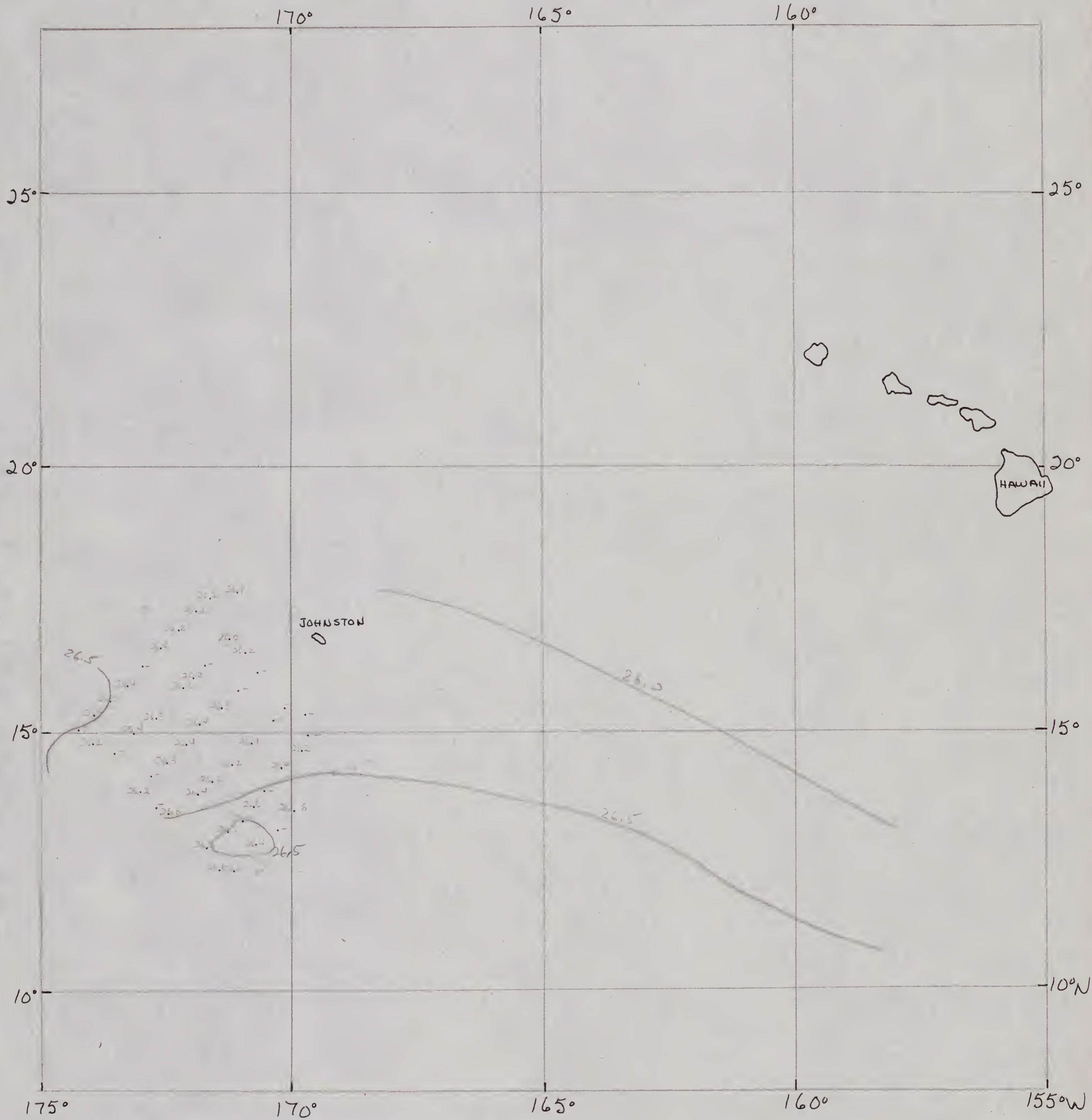
SMITHSONIAN CRUISE #98 - DEC.
DEC. 11, '64 to DEC. 17, '64

BT STATIONS
(NO # 38)



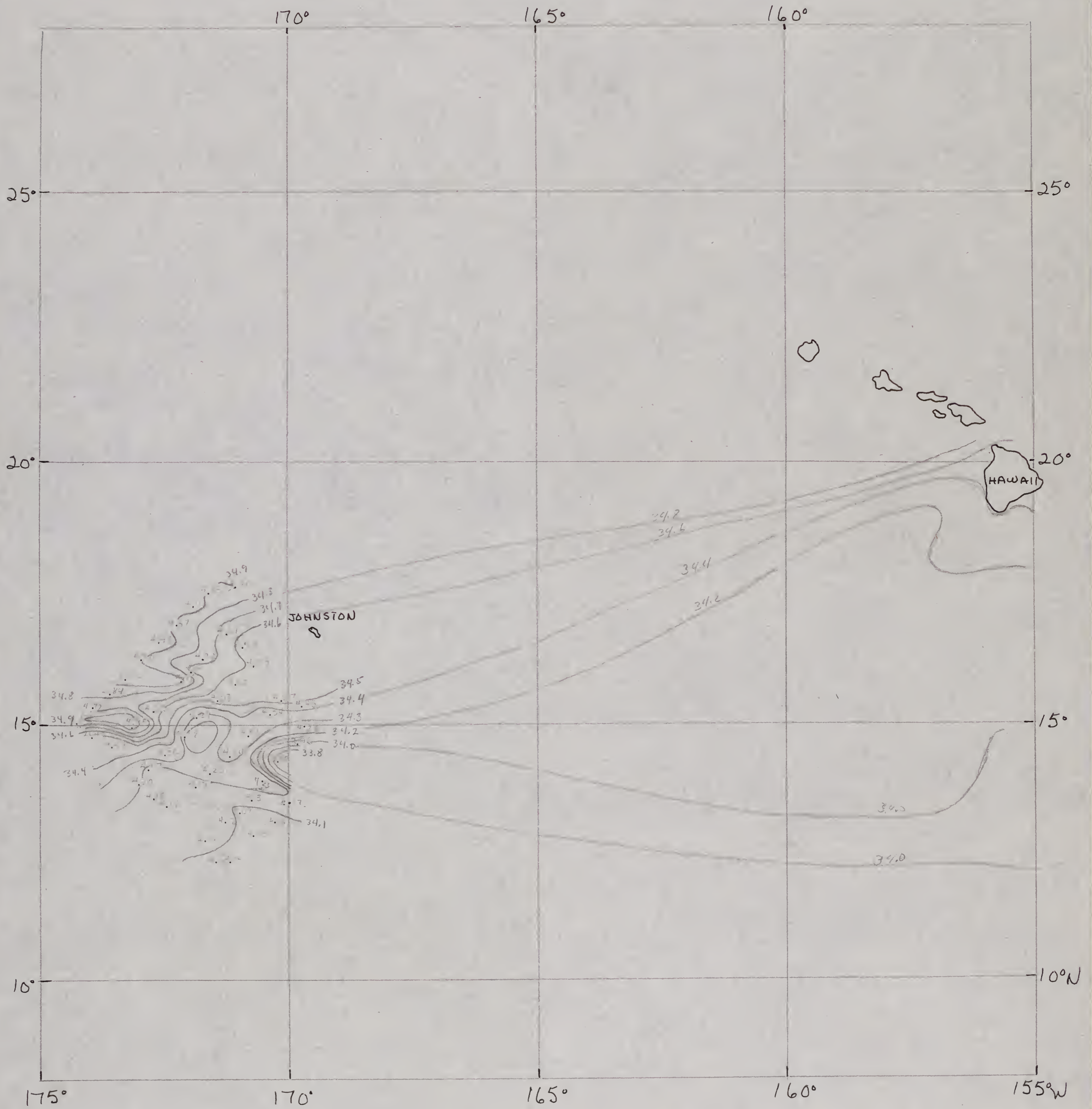
SMITHSONIAN CRUISE #98 - DEC.
DEC. 11, '64 to DEC. 17, '64

CORRECTED
SURF. TEMP. °C.



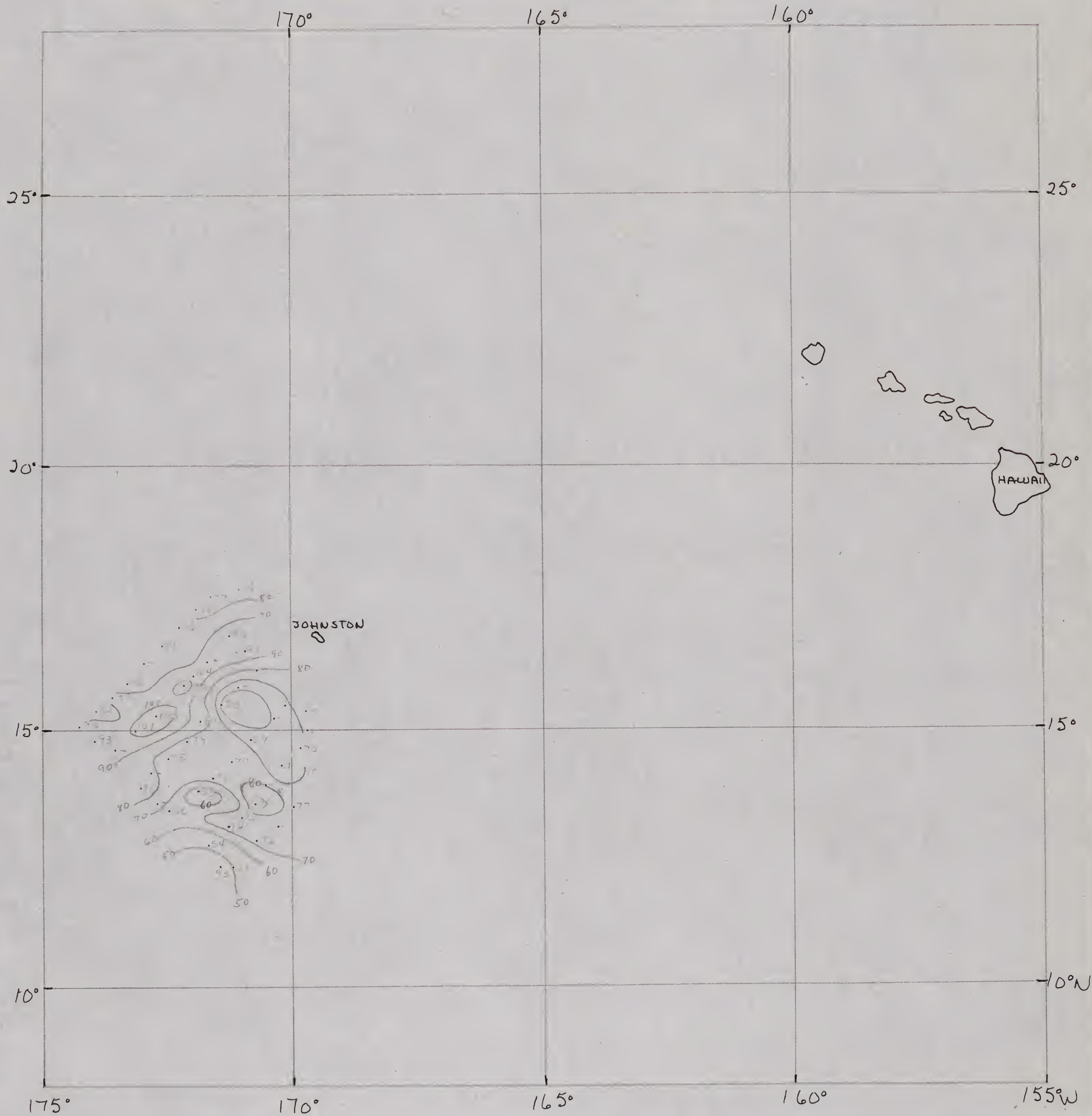
SMITHSONIAN CRUISE #98- DEC.
DEC. 11, '64 to DEC. 17, '64

SURFACE
SALINITY ‰



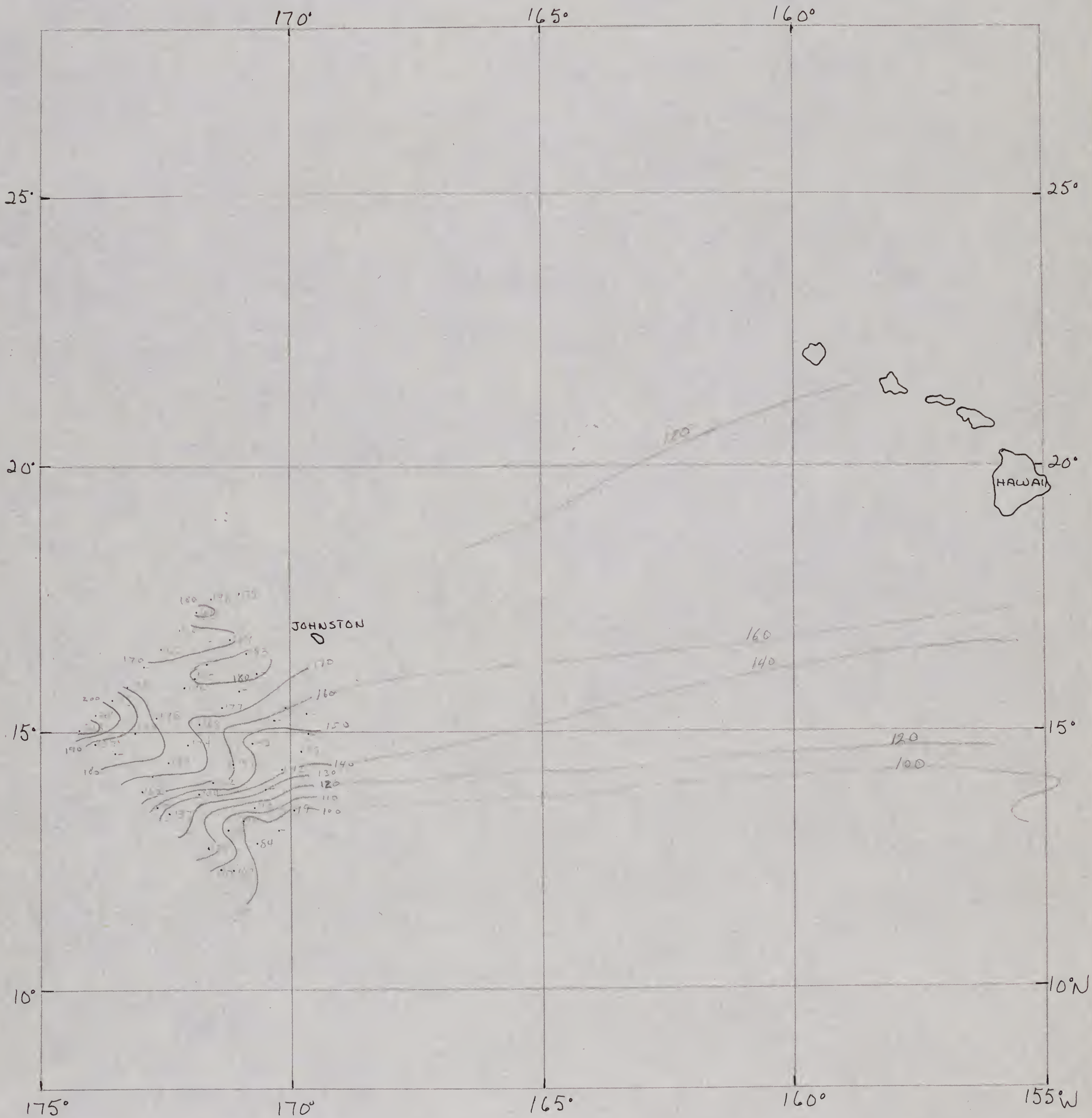
SMITHSONIAN CRUISE #98 - DEC.
DEC. 11 '64 to DEC. 17 '64

DEPTH OF THE
MIXED LAYER



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

20° ISOTHERM (M)



BT JJ 10542

Smithsonian Dec 1964 Cruise (No. 98) ①

± Depth for BT Stations - 1M -

Station Number	LZT	DAY	month	Year	LAT (N)		Long. (W)		Sample number	Salinity ‰	Temp °C	Depth in fms
					deg.	min	deg.	min				
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	34.95	20.8	120
2	1100	11	XII	1964	13°	30'	170°	00'	48	34.17	<u>26.8</u>	BT 1
5	1400				13°	05'	170°	22'	74	34.06	<u>27.0</u>	BT 2
8	1700				12°	40'	170°	44'	81	34.05	<u>26.6</u>	BT 3
10	2000				12°	20'	171°	12'	45	34.04	<u>26.6</u>	BT 4
12	2300				12°	22'	171°	29'	17	34.13	<u>26.5</u>	BT 5
15	0200	12	XII	1964	12°	44'	171°	44'	131	34.19	<u>26.3</u>	BT 6
18	0500				13°	05'	171°	25'	213	34.12	<u>26.4</u>	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	0800				13°	18'	171°	05'	205	34.09	<u>26.4</u>	BT 8
22	1100				13°	32'	170°	47'	84	34.13	<u>26.6</u>	BT 9
24	1400				13°	56'	170°	31'	182	34.25	<u>26.9</u>	BT 10
27	1700				14°	19'	170°	11'	95	33.80	<u>26.4</u>	BT 11
29	2000				14°	38'	169°	52'	109	33.96	<u>26.4</u>	BT 12
32	2300				14°	59'	169°	46'	170	34.28	<u>25.7</u>	BT 13
34	0200	13	XII	1964	15°	18'	169°	44'	12	34.45	<u>26.0</u>	BT 14
36	0500				15°	27'	170°	07'	24	34.57	<u>26.0</u>	BT 15
38	0700				15°	13'	170°	23'	138	34.37	25.9	1
									140	34.37	25.9	6
									147	34.37	26.1	12
									151	34.37	26.1	24

Station number	L: T	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	1100				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° 43'	172° 07'	91	34.18	26.6	BT 26
65	1700				15° 08'	171° 55'	206	34.27	26.3	BT 27
67	2000				15° 29'	171° 25'	103	34.53	26.5	BT 28
70	2300				15° 48'	171° 04'	118	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	34.89	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 Dec. 1964 Cruise - (No. 98)

Salinity Samples -

Station number	LZT	day	month	year	Lat (N) deg. min.	Long. (W) deg. min.	Sample number	Salinity ‰	Temp °C	Depth m
81	1400	15	XII	1964	16° 00'	171° 59'	120	34.66	28.0	BT 34
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'	173° 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° 58'	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.

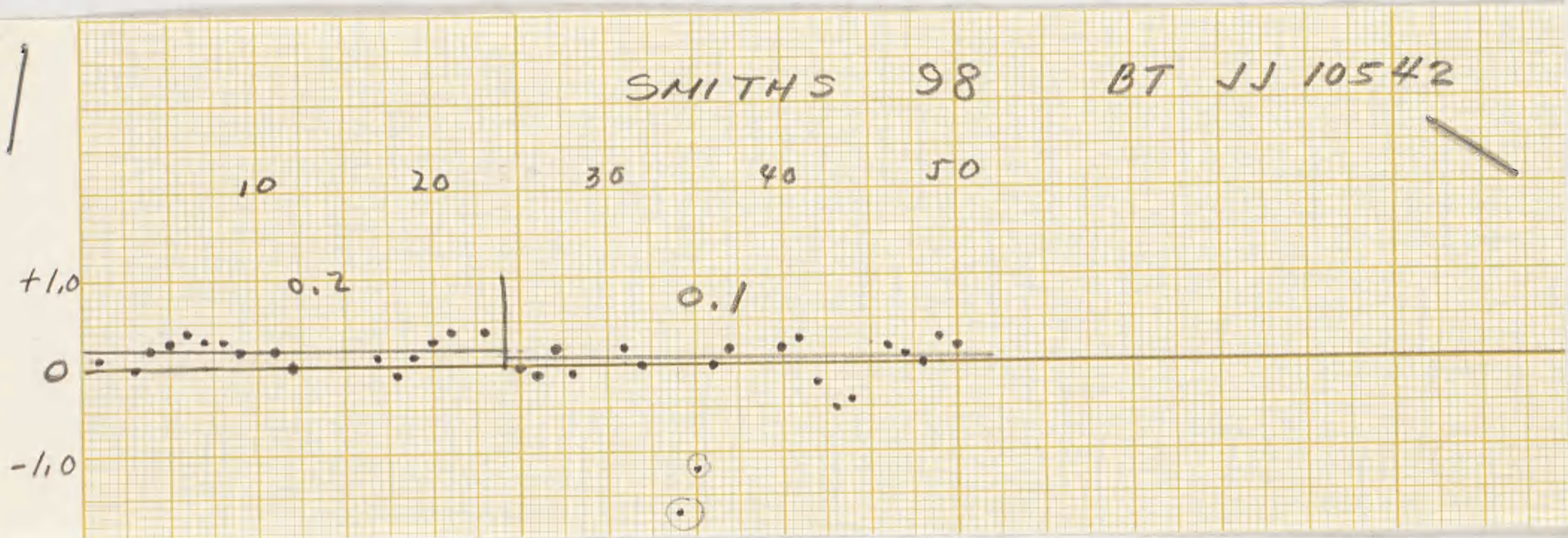
98

BT JJ 10542

1	26.7	26.8	0.1	-0.2	26.8	31	26.3	26.1	0.2	-0.1	26.2
3	.6	.6	0		.4	32	.1	.1	0		.0
4	.8	.6	.2		.6	34	.3	28.0	-1.7		.2
5	.8	.5	.3		.6	35	.3	27.5	-1.2		.2
6	.7	.3	.4		.5	36	.4	26.4	0		.3
7	.7	.4	.3		.5	37	.5	.3	.2		.4
8	.7	.4	.3		.5	40	.3	.1	.2		.2
9	.8	.6	.2		.6	41	.6	.3	.3		.5
11	.6	.4	.2		.4	42	.6	.8	-0.2		.5
12	.4	.4	0		.2	43	.6	27.1	-0.5		.5
17	.3	.2	.1		.1	44	.5	26.9	-0.4		.4
18	.4	.5	-0.1		.2	46	.5	.3	.2		.4
19	.4	.3	.1		.2	47	.3	.2	.1		.2
20	.6	.3	.3		.4	48	.3	.3	0		.2
21	.7	.3	.4		.5	49	.3	.0	.3		.2
23	.4	.0	.4		.2	50	.2	.0	.2		.1
25	.4	.4	0	-0.1	.3						
26	.5	.6	-0.1		.4						
27	.5	.3	.2		.4						
28	.4	.5	-0.1		.3						

SMITH S 98

BT JJ 10542



DEC. SM CR #98

	20° ISO	D.M.L.						
	1. 99	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						
>13-16	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						
29-30	21. 183	91						
	22. 169	93						
	23. 183	94						
	24. 176	100						
	25. 175	108						
	26. 188	101						
39	27. 189	93						
	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						