

1) SMITHSONIAN (OCT, 2 to NOV. 27)

Marshall & GILBERT ISLANDS —

Surf. Bucket Temps. Req'd.

NEED TO  
SEE  
DR. ELY.

2) SMITHS 97 — (NOV 64)

~~slides to be washed pan~~

GRIDS PH 7304, 8399 Required.

①

PH 7304 + PH 447 = SAME GRID

② 8399 - PH 4304 - 432A = SAME GRID

3) SMITHS. 98 (DEC 64)

~~slides to be washed. pan~~

Surf. Bucket Temps. Req'd. ✓

4) SMITHS. 94 (SEPT) ✓

~~slides to be washed. pan~~

5) Do NOT USE 62347A

6) Record BT instrument

Numbers on data sheets

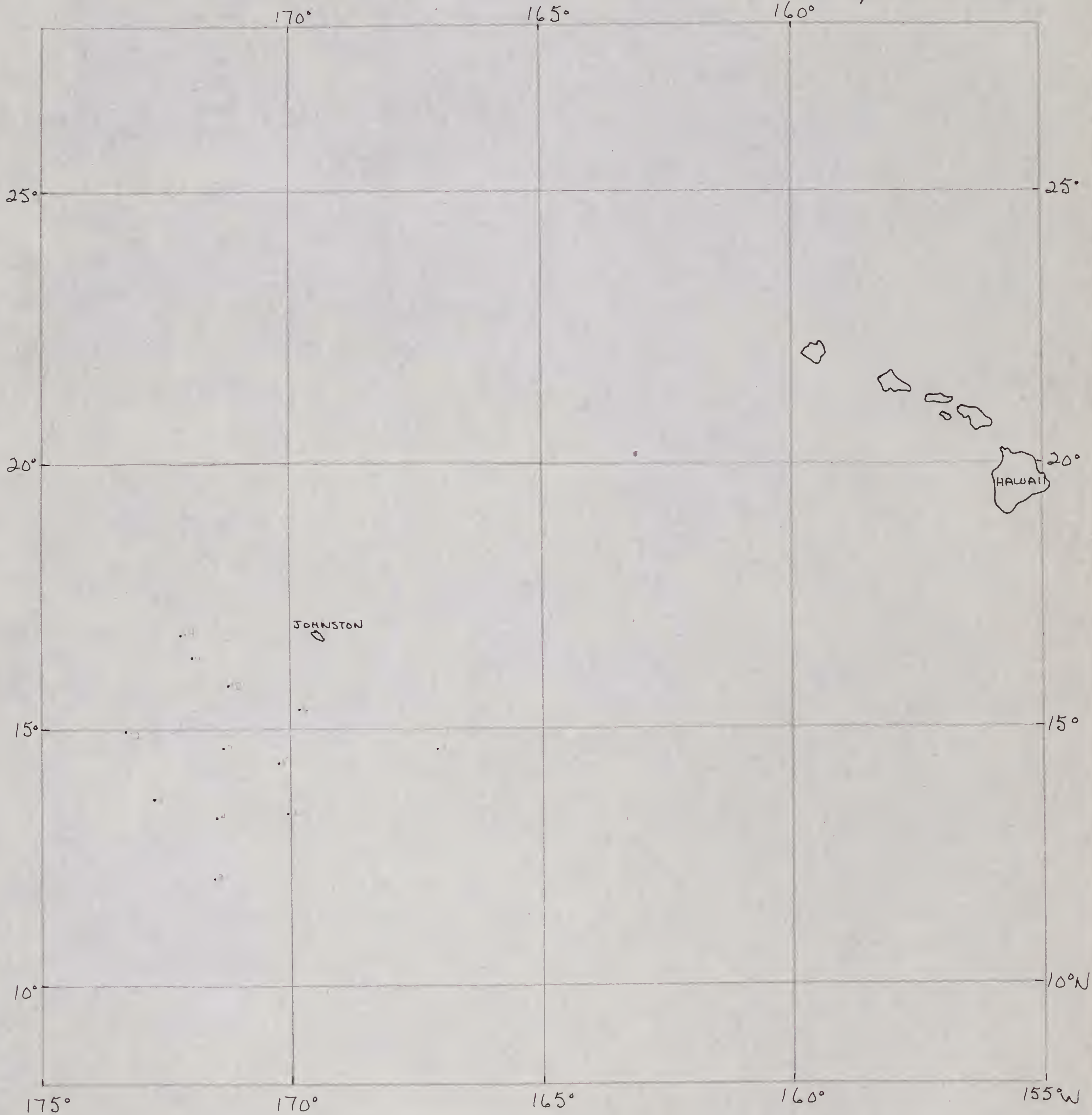
(Full-line represents Albacore, and dotted-line represents Bigeye)

Dr. Holz mentions —  
look for an unusual  
situation ~~at~~ at

15° 30' N	169° 20' W	} Oct. 63 Sep 63 Nov 63 Dec 63
15° N	168° 50' W	
14° 30' N	168° 45' W	
15° 40' N	169° 50' W	

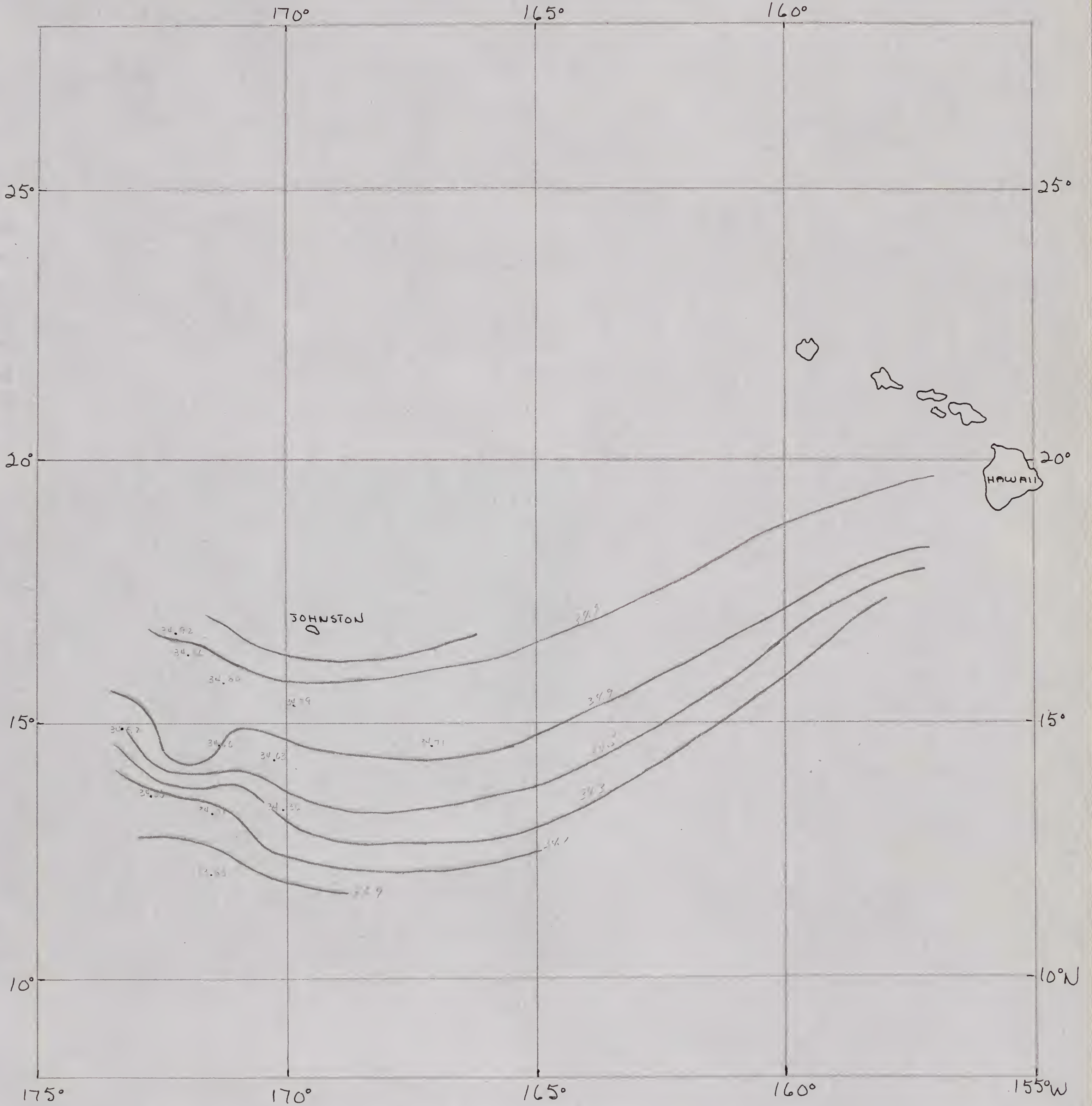
SMITHSONIAN CRUISE #97- NOV.  
NOV. 6, '64 TO NOV. 13, '64

BT STATIONS  
(NO POSITIONS FOR  
# 3, 9, 13, 15)



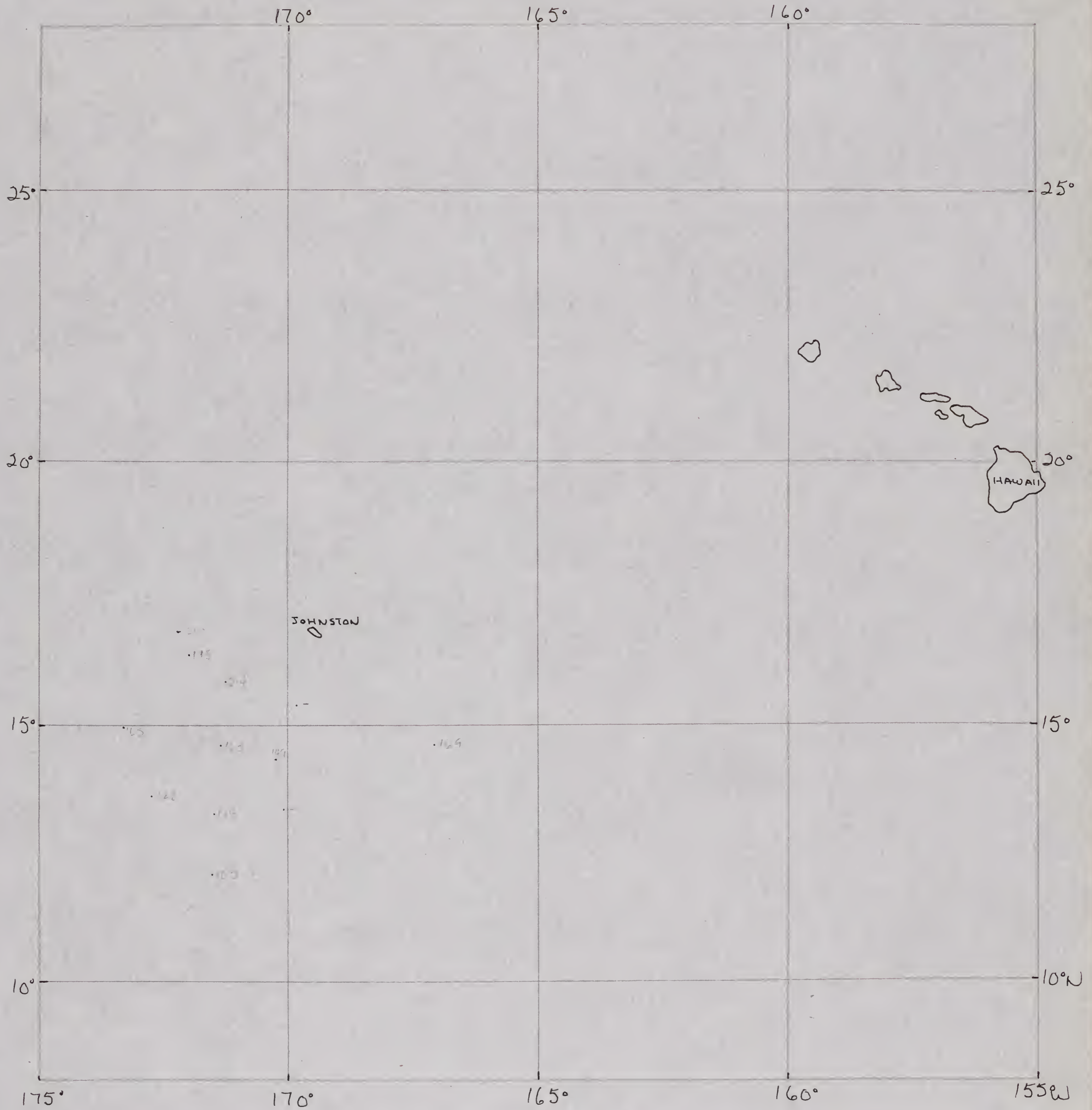
SMITHSONIAN CRUISE #97 - NOV.  
NOV. 6, '64 to NOV. 13, '64

SURFACE  
SALINITY ‰



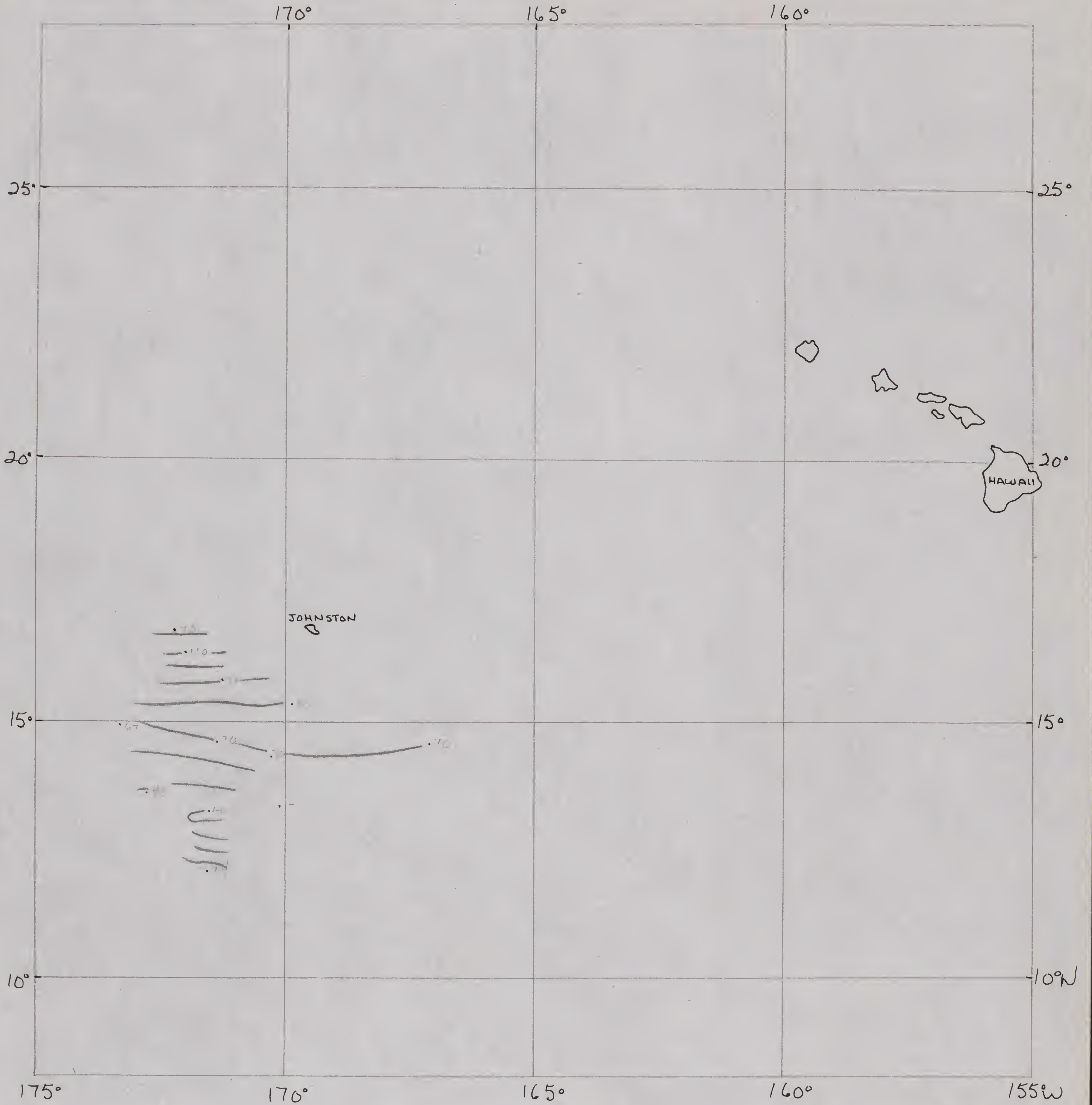
SMITHSONIAN CRUISE #97, NOV.  
NOV. 6, '64 to NOV. 13, '64

20° ISOTHERM (M)



SMITHSONIAN CRUISE #97. NOV.  
NOV. 6, '64 to NOV. 13, '64

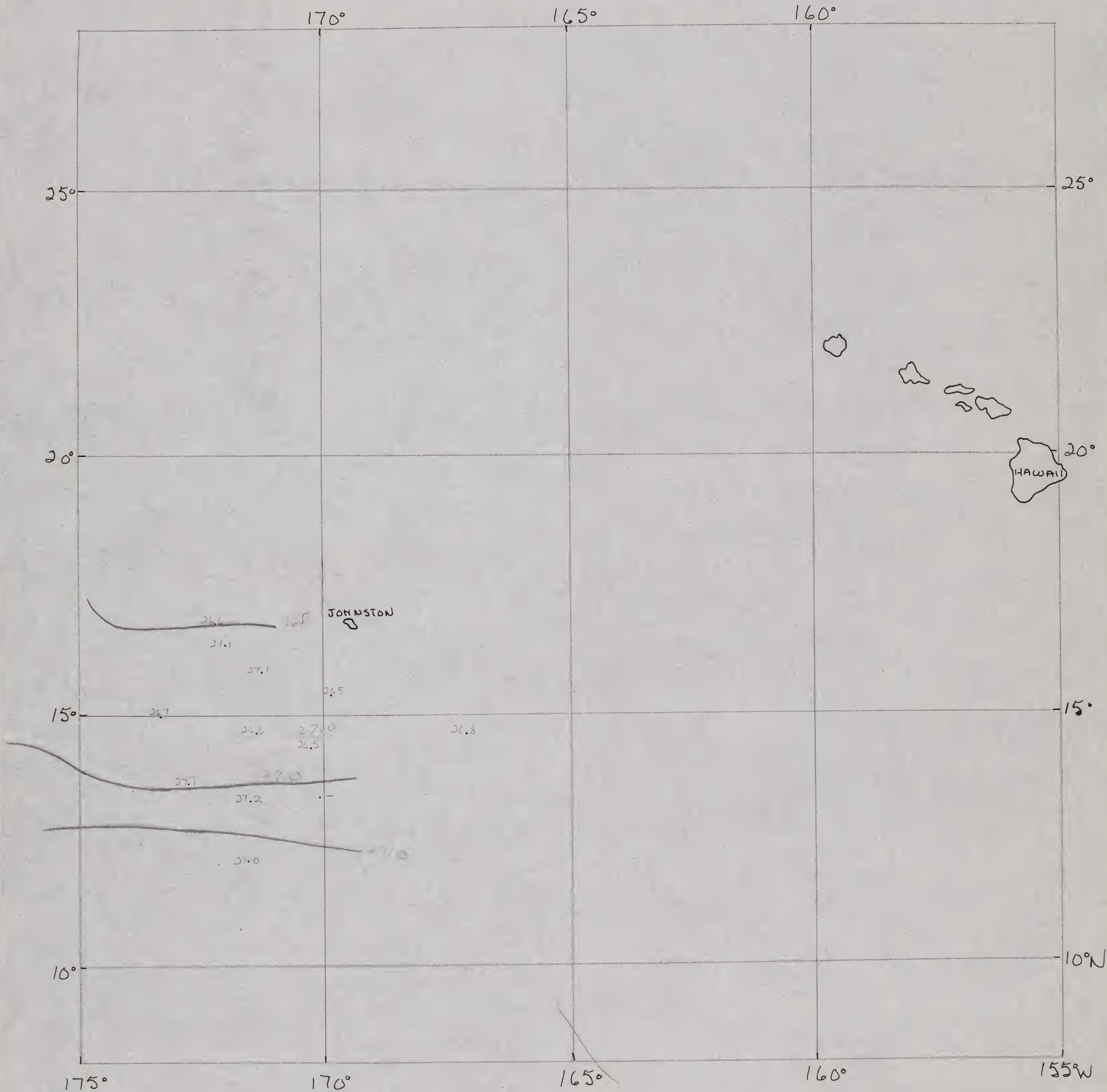
DEPTH OF THE  
MIXED LAYER



SMITHSONIAN CRUISE #97 - NOV.

NOV. 6, '64 to NOV. 13, '64

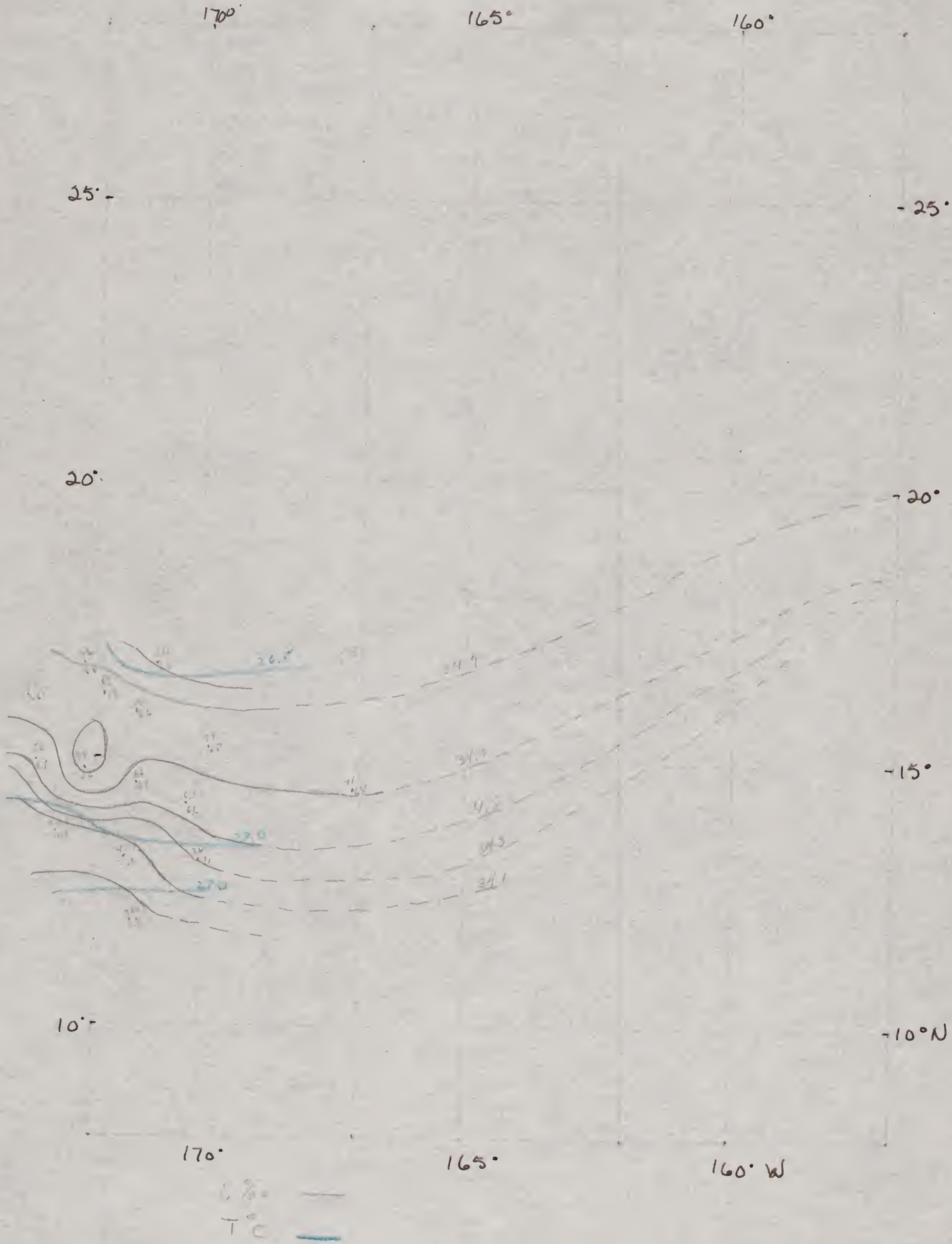
CORRECTED  
SURF. TEMP. °C.





SMITHSONIAN CRUISE #97 - NOV.  
NOV. 6, '64 to NOV. 13, '64

BUCKET TEMP. °C  
AND SALINITY ‰



BT 432A 1-9  
 BT PH447A 10-15

SMITHS. NOV. - #97

Slide No.	Surf. BT	Temp. BKT	Diff.	Corr.	Corr. Surf. T.	C°	Slide No.	Surf. BT	Temp. BKT	Diff.	Corr.	Corr. Surf. T.
1	79.7	80.2	-0.5	+0.6	80.3	26.8	10	80.2	79.8	0.4	+0.6	27.1 80.8
3	80.0	.4	-.4		.6	27.0	11	.1	80.4	-.3		27.1 .7
4	.4	.7	-.3		81.0	27.2	12	.8	80.0	0.8	-0.6	26.7 .2
5	79.1	79.8	-.7		79.7	26.5						
6	.1	80.2	-1.1		.7	26.5	14	.5	79.8	.7		26.6 79.9
7	.3	80.0	-0.7		.9	26.6	15	79.9	.5	.4		26.3 .3
8	80.1	81.1	-1.0		80.7	27.1						
9	78.7	79.8	-1.1		79.3	26.3						

NO. 341D-M DIETZGEN GRAPH PAPER  
 MILLIMETER

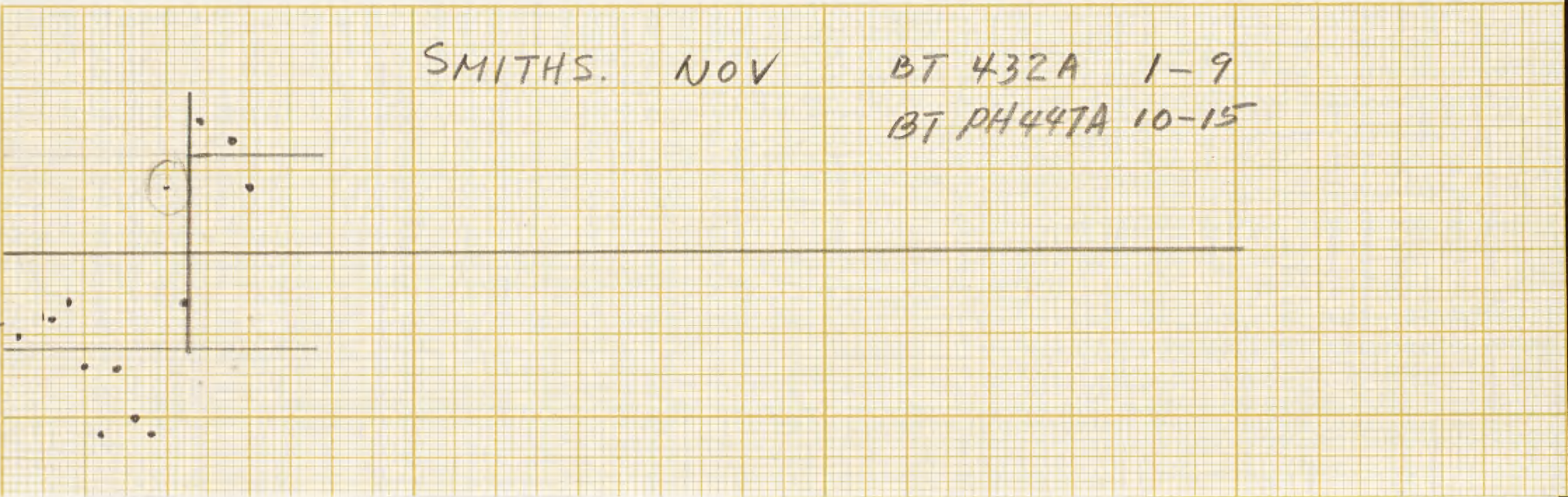
EUGENE DIETZGEN CO.  
 MADE IN U. S. A.

SMITHS. NOV

BT 432A 1-9

BT PH447A 10-15

+1.0  
 +.5  
 0  
 -.5  
 -1.0



NOV. S&C CR # 97

	20° 130		DHL	
	H	M	H	M
1.	554	169	228	70
3	237	103	242	74
4	395	119	133	40
5	490	149	231	70
6	—	—	264	80
7	534	163	229	70
8	399	122	158	48
10	701	214	298	91
11	640	195	361	110
12	540	165	220	67
14	687	210	300	98

No positions for #s 2, 9, 13, 15

#97

Nov Cruise

## Smithsonian cruises hydrographic data

BT 432A 1-9

BT PH 447 10-15

Cruise number	Station number	LZT	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp. °C	BT station number
97	1	0700	6	XI	1964	14° 35'	N	167° 05'	W	1	34.71	26.8 <sup>80.2</sup>	1
	2									1	34.94	26.8	--
										6	34.82	26.8	
										11	34.79	26.8	
										22	34.77	26.8	
										121	35.07	24.5	
		7	1900				13° 20'		170° 02'	1	34.36	27.1	2
		13	0700	7	XI	1964	12° 05'		171° 31'	1	33.85	26.9 <sup>80.4</sup>	3
		14								1	34.04	26.9	--
										4	34.02	27.1	
										9	34.03	27.1	
										18	34.02	27.1	
										117	34.80	21.7	
		20	1900				13° 18'		171° 31'	1	34.01	27.1 <sup>80.7</sup>	4
	26	0700	8	XI	1964	14° 21'		170° 13'	1	34.63	26.6 <sup>79.8</sup>	5	
	27								1	34.76	26.6	--	
									5	34.84	26.7		
									10	34.86	26.8		
									20	34.81	26.7		
									120	35.05	25.0		
	33	1900				15° 22'		169° 51'	1	34.79	26.8 <sup>80.2</sup>	6	
	39	0700	9	XI	1964	14° 38'		171° 23'	1	34.66	26.7 <sup>80.0</sup>	7	
	40								1	34.75	26.7	--	
									7	34.66	26.8		
									13	34.67	26.8		
									23	34.67	26.8		
									126	34.68	26.7		
	46	1900				13° 36'		172° 48'	1	34.06	27.3 <sup>81.1</sup>	8	
	52	0700	10	XI	1964	14° 52'		172° 19'	1	34.94	26.6	--	
									4	34.88	26.7		
									8	34.89	26.7		
									17	34.89	26.7		
									110	34.90	25.4		
	53								1	34.92	26.6 <sup>79.8</sup>	9	

Smithsonian cruises hydrographic data

Cruise number	Station number	LZT	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp. °C	BT station number	
			day	month	year									
97	59	1900	10	XI	1964	15° 49'	N	171° 14'	W	1	34.80	<u>26.6</u> 79.8	10	
	65	0700	11	XI	1964	16° 23'		171° 59'		1	34.86	<u>26.9</u> 80.4	11	
	66									1	34.89	26.9	--	
										6	34.89	26.4		
										13	34.90	26.4		
										24	34.86	26.4		
										128	35.07	24.7		
		72	1900				14° 59'		173° 21'		1	34.52	<u>26.7</u> 80.0	12
		77	0700	12	XI	1964	16° 03'		173° 15'		1	34.83	26.6	--
										5	34.82	26.6		
									10	34.79	26.5			
									20	34.79	26.5			
									120	34.84	25.3			
	78								1	34.71	26.6	13		
	84	1900				16° 46'		172° 13'		1	34.92	<u>26.6</u> 79.8	14	
	89	0700	13	XI	1964	16° 48'		170° 55'		1	35.11	26.4	--	
									4	34.96	26.4			
									8	34.94	26.4			
									18	34.95	26.3			
									115	34.91	24.6			
	90								1	34.94	<u>26.4</u> 79.5	15		