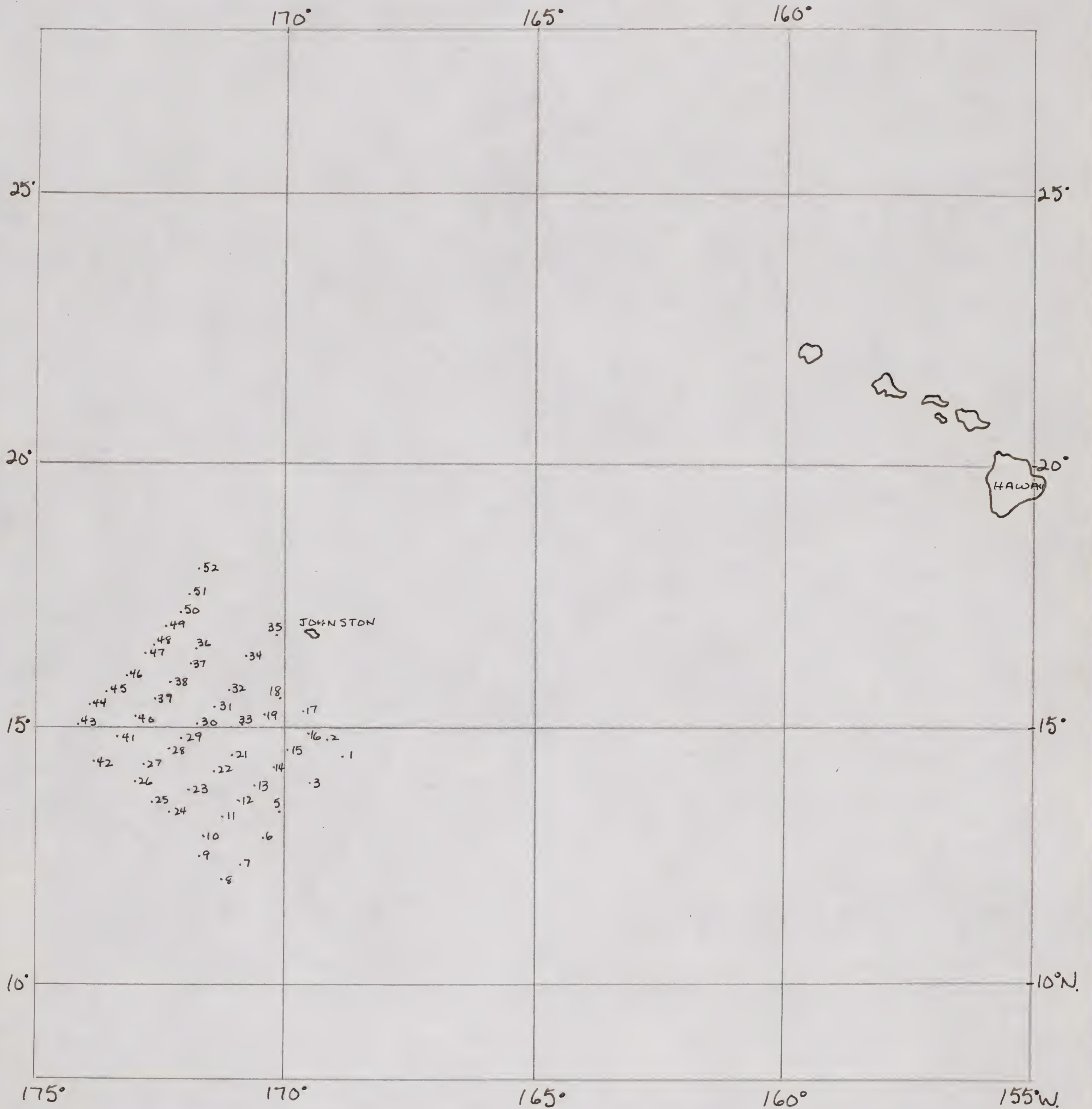


SMITHSONIAN CRUISE # 94 - SEPT.

BT STATIONS

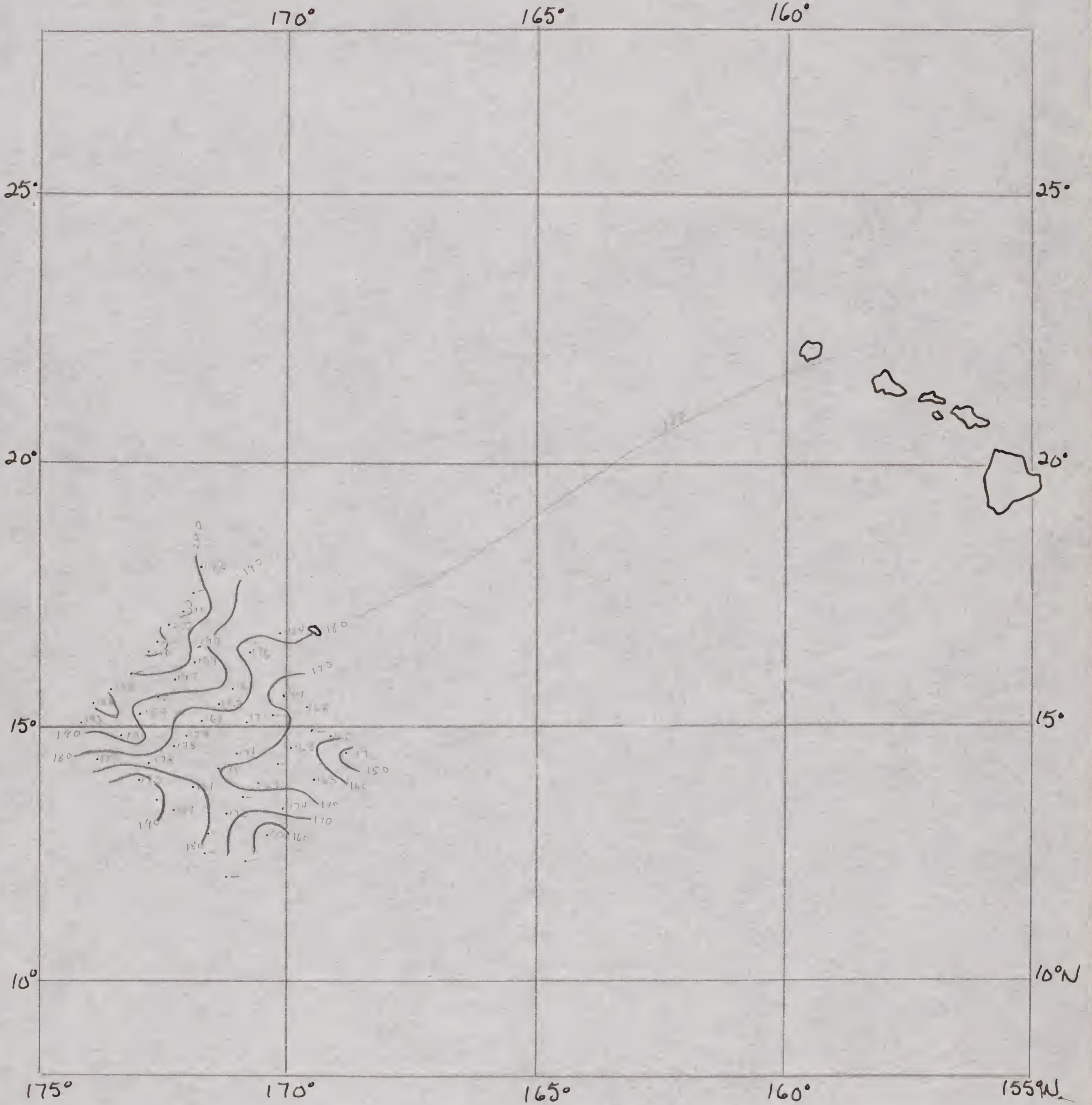
SEPT. 4, '64 to SEPT. 24, '64



CBT

SMITHSONIAN CRUISE #94 - SEPT.  
SEPT. 4, '64 to SEPT. 24, '64

DEPTH OF 20°  
ISOTHERM



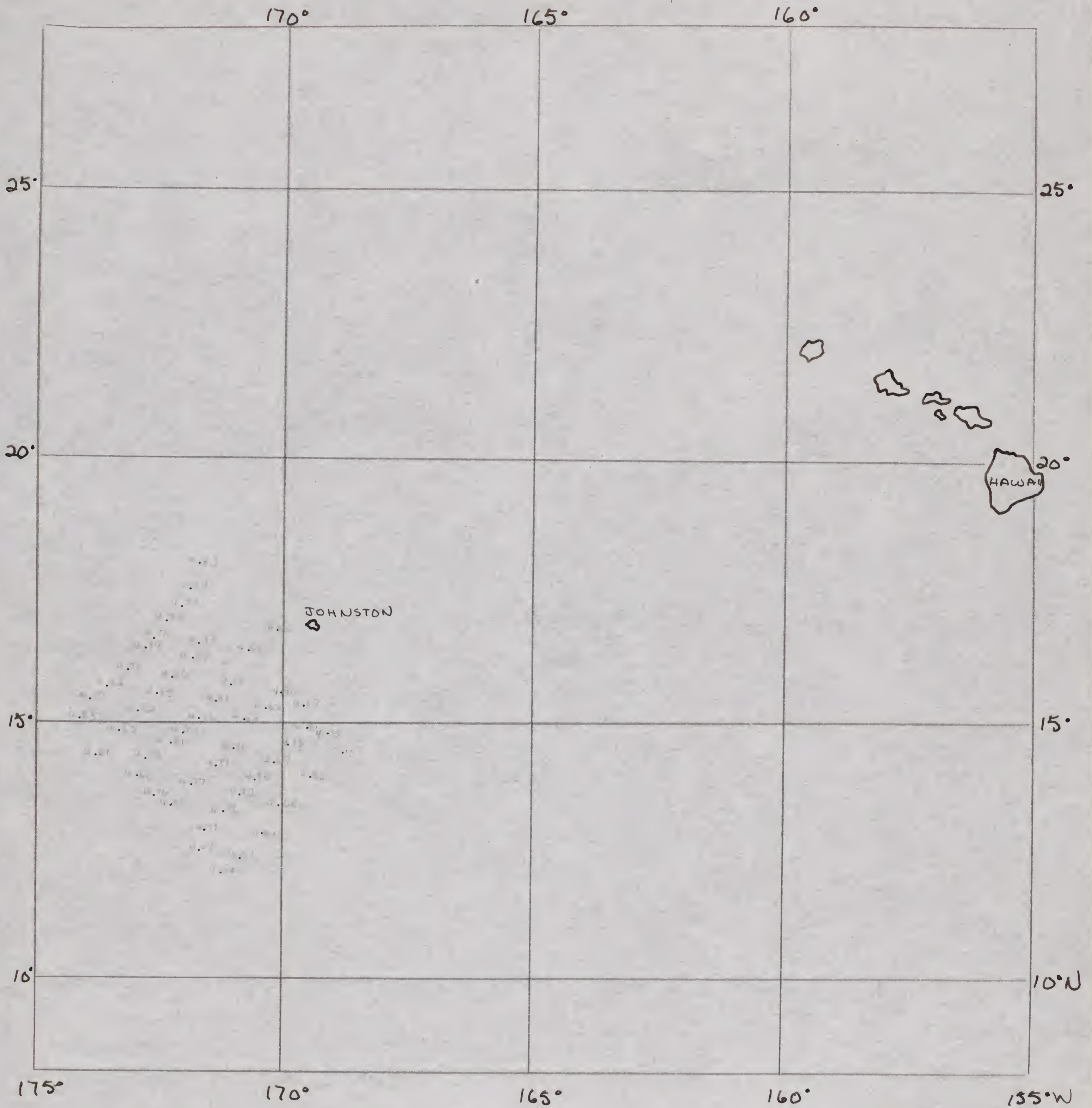
SMITHSONIAN CRUISE #94 - SEPT.  
SEPT. 4, '64 to SEPT. 24, '64

DEPTH OF THE  
MIXED LAYER



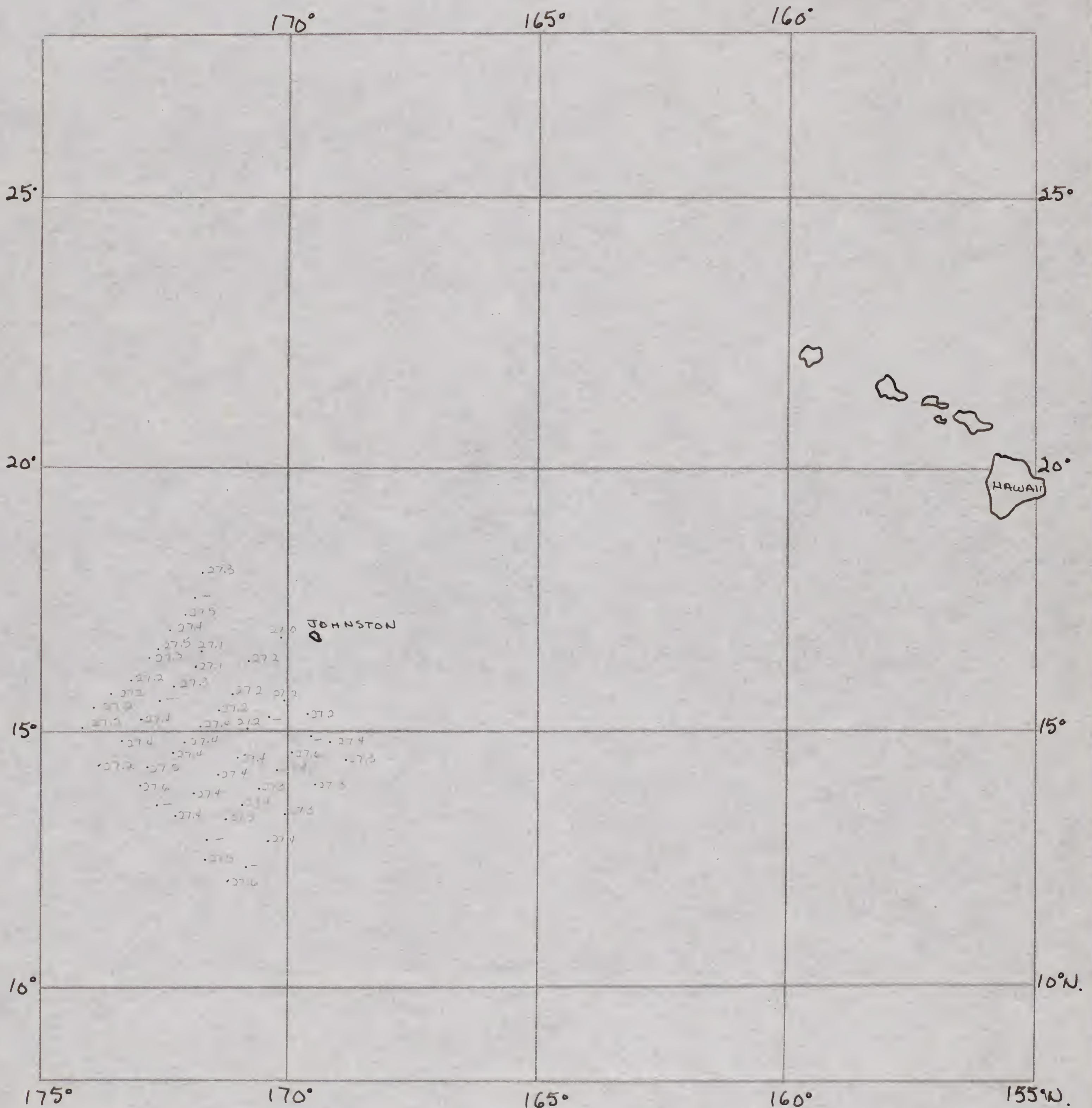
SMITHSONIAN CRUISE #94 - SEPT.  
SEPT. 4, '64 to SEPT. 24, '64

SURFACE SALINITY ‰



SMITHSONIAN CRUISE #94 - SEPT.  
 SEPT. 4, '64 to SEPT. 24, '64

CORRECTED SURFACE  
 TEMPS. °C.

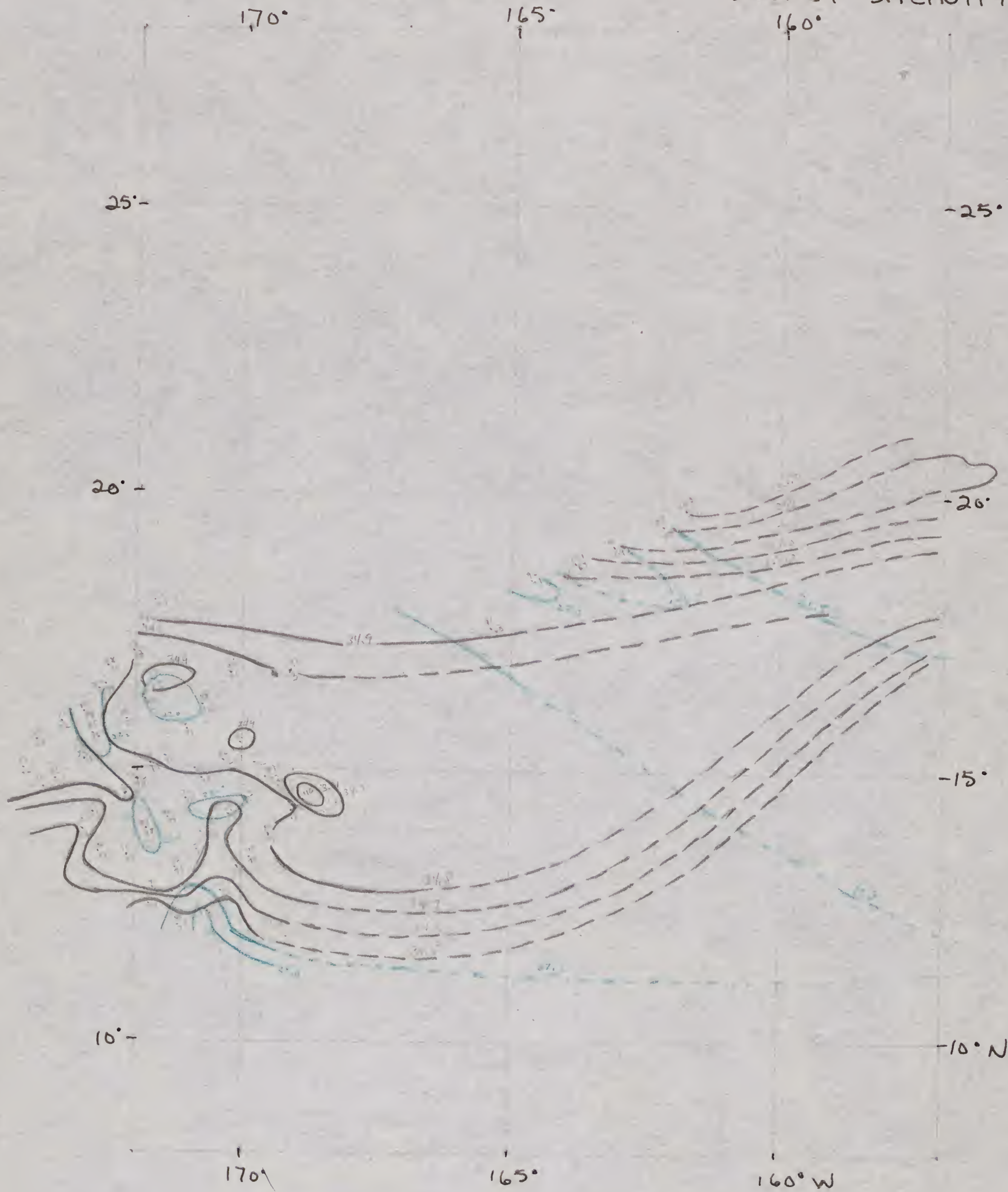


SMITHSONIAN CRUISE #94-SEPT.

SEPT. 4, '64 TO SEPT. 24, '64

BUCKET TEMP. °C.

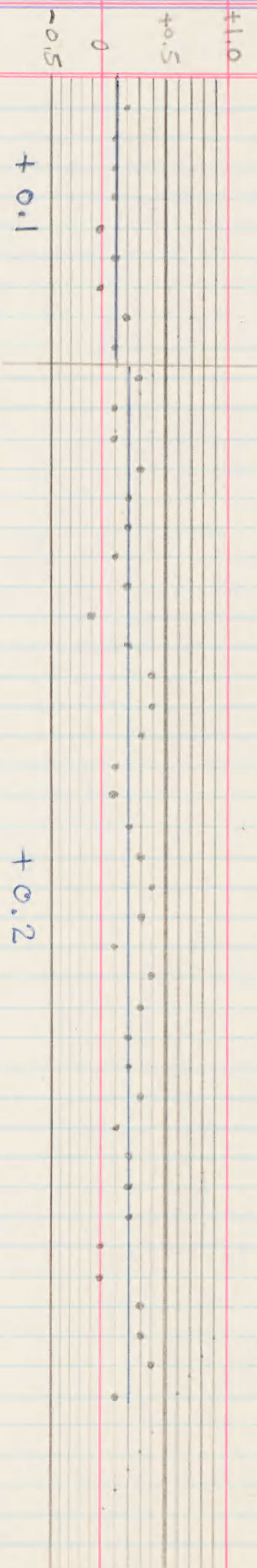
BUCKET SALINITY ‰



JJ 10542

SMITHS. 94 (SEPT.)

Slide No.	Surf.	Temp.	Diff.	Correction	Corrected Surf. Temp							-0.5	0	+0.5	+1.0
	BT	BRT										-0.5	0	+0.5	+1.0
1	27.4	27.2	0.2	0.1	27.3	/									1
2	.5	.4	.1		.4	/									2
3	.4	.3	.1		.3	/									3
4	.4	.3	.1		.3	/									4
5	.4	.4	0		.3	/									5
6	.5	.4	.1		.4	/									6
> 8	.7	.7	0		.6	/									8
> 9	.6	.4	.2		.5	/									9
11	.4	.3	.1		.3	/									11
12	.6	.3	.3	0.2	.4	/									12
13	.5	.4	.1		.3	/									13
14	.6	.5	.1		.4	/									14
15	.8	.5	.3		.6	/									15
> 17	.4	.2	.2		.2	/									17
18	.4	.2	.2		.2	/									18
>> 21	.6	.5	.1		.4	/									21
22	.6	.4	.2		.4	/									22
23	.6	.7	-0.1		.4	/									23
24	.6	.4	.2		.4	/									24
> 26	.8	.4	.4		.6	/									26
27	.7	.3	.4		.5	/									27
28	.6	.3	.3		.4	/									28
29	.6	.5	.1		.4	/									29
30	.6	.5	.1		.4	/									30
31	.4	.2	.2		.2	/									31
32	.4	.1	.3		.2	/									32
33	.4	.0	.4		.2	/									33
34	.4	.1	.3		.2	/									34
35	.2	.1	.1		.0	/									35
36	.3	26.9	.4		.1	/									36
37	.3	27.0	.3		.1	/									37
> 38	.5	.3	.2		.3	/									38
40	.6	.4	.2		.4	/									40
41	.6	.3	.3		.4	/									41
42	.4	.3	.1		.2	/									42
43	.4	.2	.2		.2	/									43
44	.4	.2	.2		.2	/									44
45	.4	.2	.2		.2	/									45
46	.4	.4	0		.2	/									46
47	.5	.5	0		.3	/									47
48	.7	.4	.3		.5	/									48
49	.6	.3	.3		.4	/									49
50	.7	.3	.4		.5	/									50
> 52	.1	.4	.1		.3	/									52



*Sept. Cruise*

Smithsonian cruises hydrographic data

Cruise number	Station number	LZT	Time and date day month year	Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp °C	BT station number	
94	1	0600	7 IX 1964	16° 44'	N	169° 11'	W	1	34.91	27.3	--	
								7	34.87	27.2		
								13	34.90	27.3		
								22	34.90	27.3		
								119	34.89	25.8		
		2	2100	7 IX 1964	14° 36'		168° 52'		1	35.10	27.2	1
		4	2400		14° 15'		169° 08'		1	34.78	27.4	2
		6	0300	8 IX 1964	13° 53'		169° 30'			34.80	27.3	3
		7	0600		13° 24'		169° 52'			34.79	27.4	--
									6	34.81	27.4	
									11	34.84	27.4	
									23	34.83	27.3	
									121	35.08	24.1	
		8	0600						1	34.77	27.3	4
		9	0900		13° 22'		170° 06'			34.68	27.4	5
		11	1200		12° 51'		170° 27'			34.51	27.4	6
		14	1500		12° 23'		170° 55'			34.51	28.1	7
		16	1800		12° 05'		171° 18'			34.44	27.7	8
		18	2100		12° 30'		171° 43'			34.44	27.4	9
		21	2400		12° 52'		171° 39'			34.71	27.2	10
		23	0300	9 IX 1964	13° 13'		171° 18'			34.76	27.3	11
		26	0600		13° 34'		170° 56'			34.72	27.3	12
									3	34.71	27.3	
									7	34.71	27.4	
									18	34.71	27.4	
									116	35.01	24.4	
		27	0900		13° 50'		170° 37'		1	34.70	27.4	13
		29	1200		14° 12'		170° 16'			34.69	27.5	14
		32	1500		14° 33'		169° 58'			34.76	27.5	15
		34	1800		14° 54'		169° 32'			34.81	27.2	16
		36	2100		15° 18'		169° 38'			34.87	27.2	17
		39	2400		15° 36'		170° 03'			34.90	27.2	18

*D10542*

*No. 10542*



## Smithsonian cruises hydrographic data

Cruise number	Station number	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp °C	BT station number	
		LZT	day	month									year
94	41	0300	10	IX	1964	15° 12'	N	170° 25'	W	1	34.82	27.2	19
	43	0600				14° 49'		170° 52'			34.82	27.3	--
										5	34.80	----	
										10	34.84		
										20	34.85		
										115	34.99		
		44								1	34.77	27.3	20
		45	0900				14° 32'		171° 05'		34.71	27.5	21
		47	1200				14° 08'		171° 28'		34.71	27.4	22
		49	1500				13° 48'		171° 56'		34.77	27.7	23
		52	1800				13° 25'		172° 19'		34.72	27.4	24
		55	2100				13° 32'		172° 42'		34.76	27.4	25
		57	2400				13° 56'		173° 01'		34.60	27.4	26
	59	0300	11	IX	1964	14° 16'		172° 40'		34.69	27.3	27	
	61	0600				14° 34'		172° 19'		34.81	27.3	28	
	62									34.70	27.3	--	
									4	34.96	27.4		
									9	34.71	27.4		
									18	34.72	27.4		
									117	34.79	25.2		
	63	0900				14° 45'		172° 06'		1	34.72	27.5	29
	65	1200				15° 05'		171° 49'			34.80	27.5	30
	68	1500				15° 23'		171° 27'			34.88	27.2	31
	70	1800				15° 43'		171° 09'			34.86	27.1	32
	72	2100				15° 02'		170° 53'			34.88	27.0	33
	75	2400				16° 23'		170° 49'			34.88	27.1	34
	77	0300	12	IX	1964	16° 43'		170° 12'			34.88	27.1	35
	79	0600				16° 28'		171° 50'			34.93	26.9	36
	80										34.93	26.9	--
									7	34.93	26.7		
									12	34.93	26.8		
									21	34.93	26.8		
									122	35.05	23.8		

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								
94	81	0900	12	IX	1964	16° 13'	N	171° 55'	W	1	34.88	27.0	37
	83	1200				15° 51'		172° 20'			34.86	27.3	38
	85	1500				15° 33'		172° 38'			34.85	27.6	39
	88	1800				15° 11'		173° 01'			34.82	27.4	40
	90	2100				14° 48'		173° 26'			34.82	27.3	41
	93	2400				14° 40'		173° 49'			34.81	27.3	42
	95	0300	13	IX	1964	15° 02'		174° 09'			34.83	27.2	43
	97	0600				15° 27'		173° 55'			34.85	27.2	44
	98										34.97	27.2	--
										4	34.90	27.2	
										8	34.92	27.2	
										17	34.91	27.2	
										119	34.96	24.9	
		99	0900				15° 40'		173° 33'		1	34.82	27.2
	101	1200				16° 00'		173° 13'			34.78	27.4	46
	103	1500				16° 25'		172° 49'			34.79	27.5	47
	106	1800				16° 33'		172° 41'			34.78	27.4	48
	108	2100				16° 53'		172° 26'			34.78	27.3	49
	111	2400				17° 12'		172° 06'			34.79	27.3	50
	114	0300	14	IX	1964	17° 31'		171° 58'			34.94	27.4	51
	115	0600				18° 00'		171° 46'			34.83	27.4	52

Extra copy -

Sept. Cruise

Smithsonian cruises hydrographic data

ST 10542

Cruise number	Station number	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp °C	BT station number		
		LST	day	month	year									
94	1	0600	7	IX	1964	16° 44'	N	169° 11'	W	1	34.91	27.3	--	
										7	34.87	27.2		
										13	34.90	27.3		
										22	34.90	27.3		
										119	34.89	25.8		
		2	2100	7	IX	1964	14° 36'		168° 52'		1	35.10	27.2	1
		4	2400				14° 15'		169° 08'		1	34.78	27.4	2
		6	0300	8	IX	1964	13° 53'		169° 30'			34.80	27.3	3
		7	0600				13° 24'		169° 52'			34.79	27.4	--
										6	34.81	27.4		
										11	34.84	27.4		
										23	34.83	27.3		
										121	35.08	24.1		
										1	34.77	27.3	4	
		8	0600								34.68	27.4	5	
		9	0900				13° 22'		170° 06'			34.51	27.4	6
		11	1200				12° 51'		170° 27'			34.51	28.1	7
		14	1500				12° 23'		170° 55'			34.44	27.7	8
		16	1800				12° 05'		171° 18'			34.44	27.4	9
		18	2100				12° 30'		171° 43'			34.71	27.2	10
		21	2400				12° 52'		171° 39'			34.76	27.3	11
		23	0300	9	IX	1964	13° 13'		172° 18'			34.72	27.3	12
		26	0600				13° 34'		170° 56'			34.72	27.3	
										3	34.71	27.4		
										7	34.71	27.4		
										18	34.71	27.4		
										116	35.01	24.4		
										1	34.70	27.4	13	
		27	0900				13° 50'		170° 37'			34.69	27.5	14
		29	1200				14° 12'		170° 16'			34.76	27.5	15
		32	1500				14° 33'		169° 58'			34.81	27.2	16
		34	1800				14° 54'		169° 32'			34.87	27.2	17
		36	2100				15° 18'		169° 38'			34.90	27.2	18
		39	2400				15° 36'		170° 03'					

## Smithsonian cruises hydrographic data

Cruise number	Station number	Time and date				Lat.	N-S	Long.	E-W	Depth in m	Salinity ‰	Water temp °C	BT station number		
		LST	day	month	year										
94	41	0300	10	IX	1964	15° 12'	N	170° 25'	W	1	34.82	27.2	19		
	43	0600				14° 49'		170° 52'				34.82	27.3	--	
												5	34.80	----	
												10	34.84		
												20	34.85		
												115	34.99		
	44											1	34.77	27.3	20
	45	0900						14° 32'		171° 05'			34.71	27.5	21
	47	1200						14° 08'		171° 28'			34.71	27.4	22
	49	1500						13° 48'		171° 56'			34.77	27.7	23
	52	1800						13° 25'		172° 19'			34.72	27.4	24
55	2100					13° 32'	172° 42'			34.76	27.4	25			
57	2400					13° 36'	173° 01'			34.60	27.4	26			
59	0300	11	IX	1964	14° 16'		172° 40'			34.69	27.3	27			
61	0600					14° 34'	172° 19'			34.81	27.3	28			
62										34.70	27.3	--			
										4	34.86	27.4			
										9	34.71	27.4			
										18	34.72	27.4			
										117	34.79	25.2			
63	0900					14° 45'	172° 06'			1	34.72	27.5	29		
65	1200					13° 05'	171° 49'				34.80	27.5	30		
68	1500					15° 23'	171° 27'				34.88	27.2	31		
70	1800					15° 43'	171° 09'				34.86	27.1	32		
72	2100					15° 02'	170° 53'				34.88	27.0	33		
75	2400					16° 23'	170° 49'				34.88	27.1	34		
77	0300	12	IX	1964	16° 43'		170° 12'				34.88	27.1	35		
79	0600					16° 28'	171° 30'				34.93	26.9	36		
80											34.93	26.9	--		
										7	34.93	26.7			
										12	34.93	26.8			
										21	34.93	26.8			
										122	35.05	23.8			

## Smithsonian cruises hydrographic data

Cruise number	Station number	Time L&T	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp °C	BT Station number
			day	month	year								
94	81	0900	12	IX	1964	16° 13'	N	171° 55'	W	1	34.88	27.0	37
	83	1200				15° 51'		172° 20'			34.86	27.3	38
	85	1500				15° 33'		172° 38'			34.85	27.6	39
	88	1800				15° 11'		173° 01'			34.82	27.4	40
	90	2100				14° 48'		173° 26'			34.82	27.3	41
	93	2400				14° 40'		173° 49'			34.81	27.3	42
	95	0300	13	IX	1964	15° 02'		174° 09'			34.83	27.2	43
	97	0600				15° 27'		173° 55'			34.85	27.2	44
	98										34.97	27.2	--
									4		34.90	27.2	
									8		34.92	27.2	
									17		34.91	27.2	
									119		34.96	24.0	
	99	0900				15° 40'		173° 33'		1	34.82	27.2	45
	101	1200				16° 00'		173° 13'			34.78	27.4	46
	103	1500				16° 25'		172° 49'			34.79	27.5	47
	106	1800				16° 33'		172° 41'			34.78	27.4	48
	108	2100				16° 53'		172° 26'			34.78	27.3	49
	111	2400				17° 12'		172° 06'			34.79	27.3	50
	114	0300	14	IX	1964	17° 31'		171° 58'			34.94	27.4	51
	115	0600				18° 00'		171° 46'			34.83	27.4	52