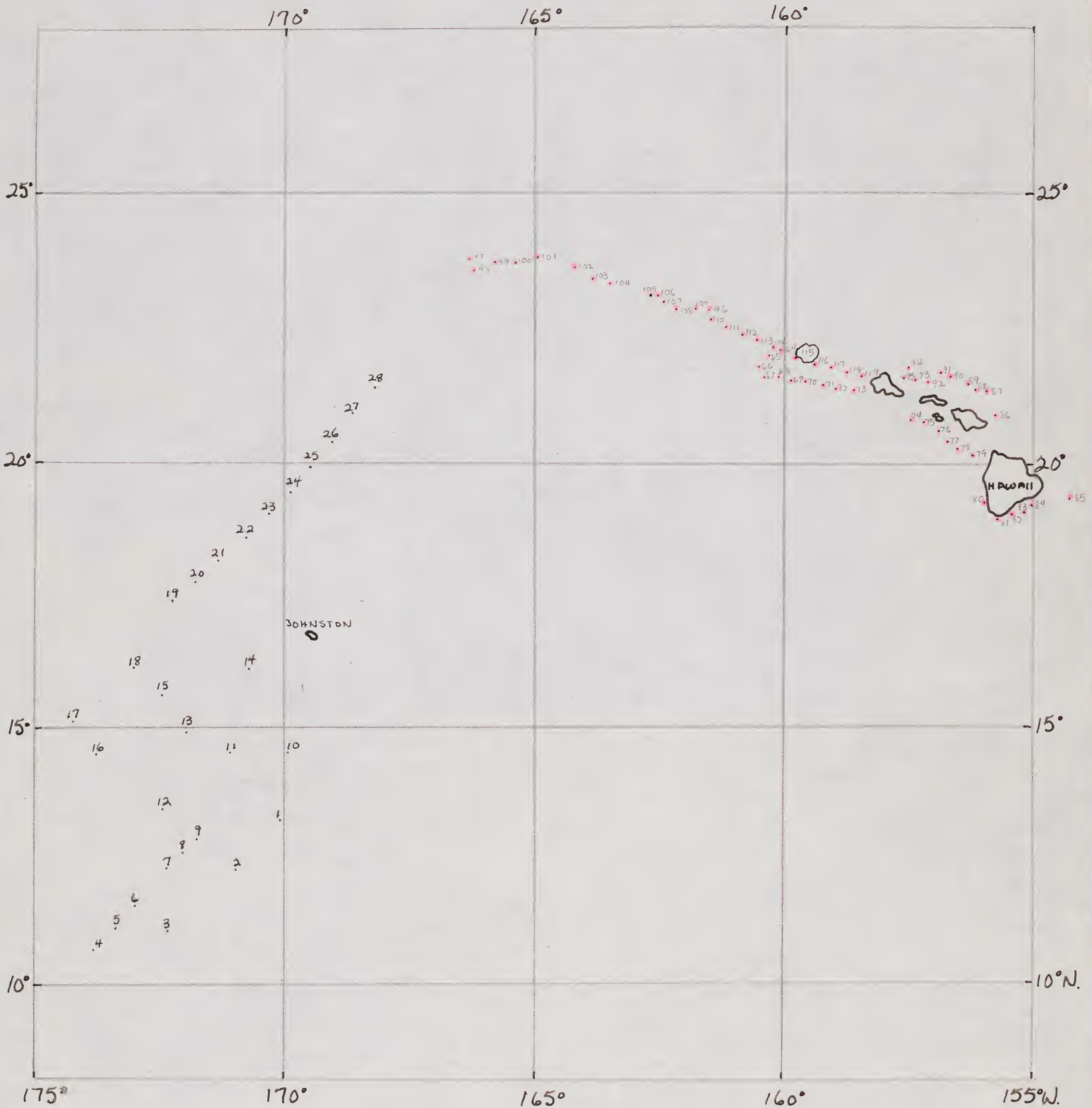


SMITHSONIAN CRUISE #90 - JULY
7-5-64 to 7-16-64

BT STATIONS



GILBERT CRUISE #74
THIS SECTION:
7-15-64 to 7-31-64

BT STATIONS

OFF

SMITHSONIAN CRUISE #90-JULY
7-5-64 to 7-16-64

SURFACE
SALINITY ‰

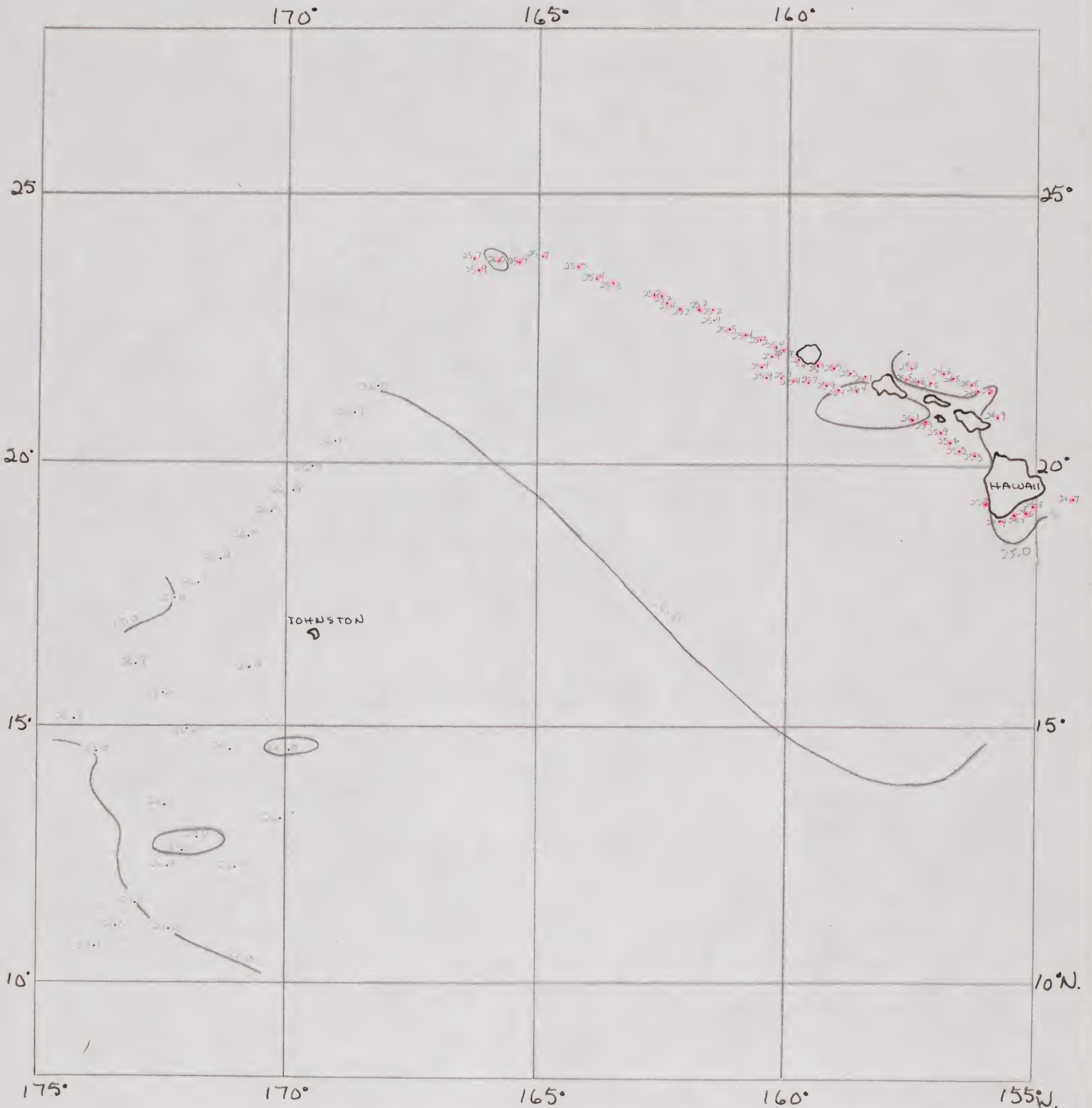


GILBERT CRUISE #74
THIS SECTION:
7-15-64 to 7-31-64

SURFACE
SALINITY ‰

SMITHSONIAN CRUISE #90-JULY
7-5-64 to 7-16-64

CORRECTED
SURFACE TEMP. °C.

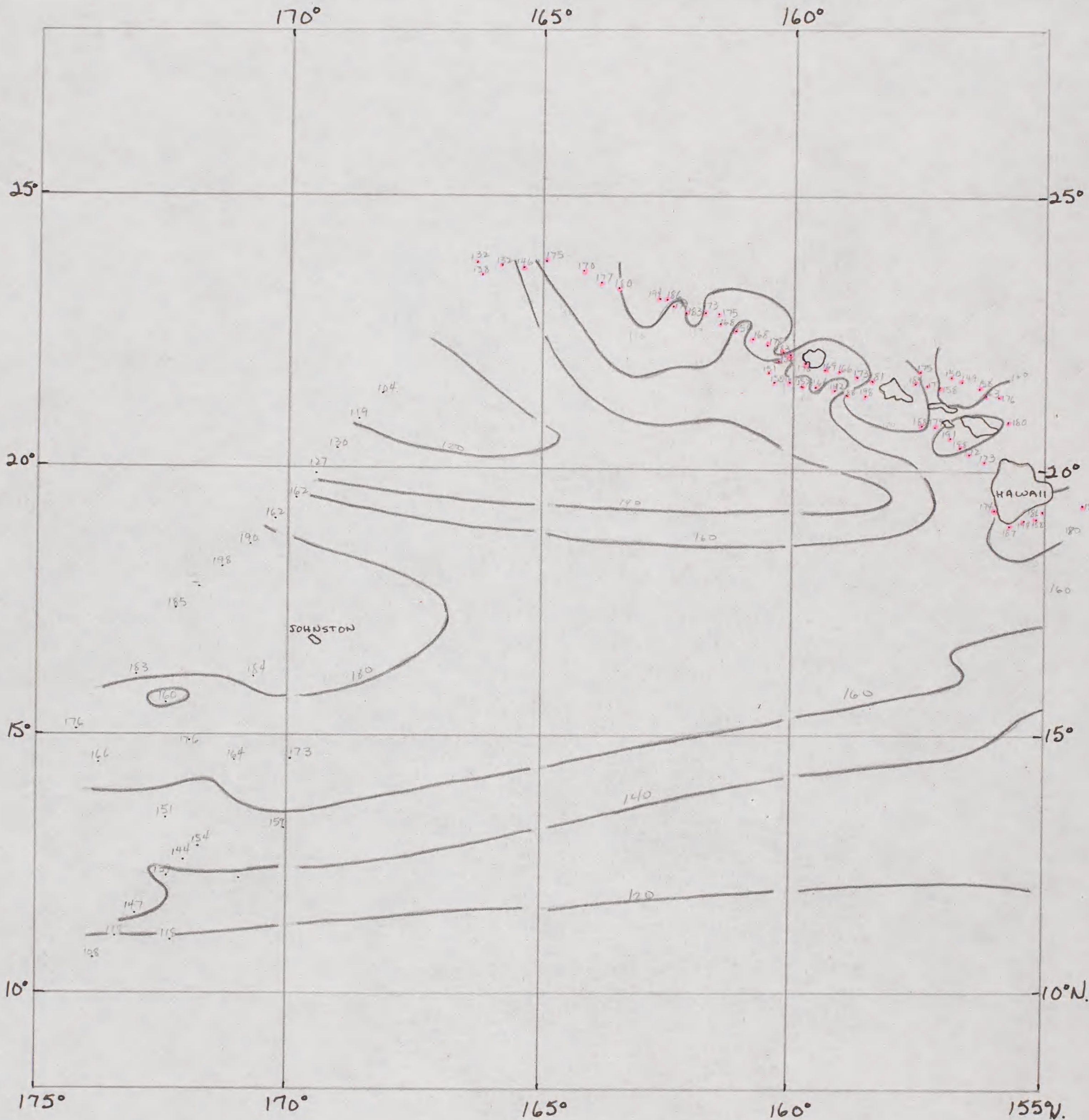


GILBERT CRUISE #74
THIS SECTION
7-15-64 to 7-31-64

CORRECTED
SURFACE TEMP. °C.

SMITHSONIAN CRUISE '64 - JULY
7-6-64 to 7-8-64

20° ISOTHERM
DEPTH IN METERS
BTs 4-10



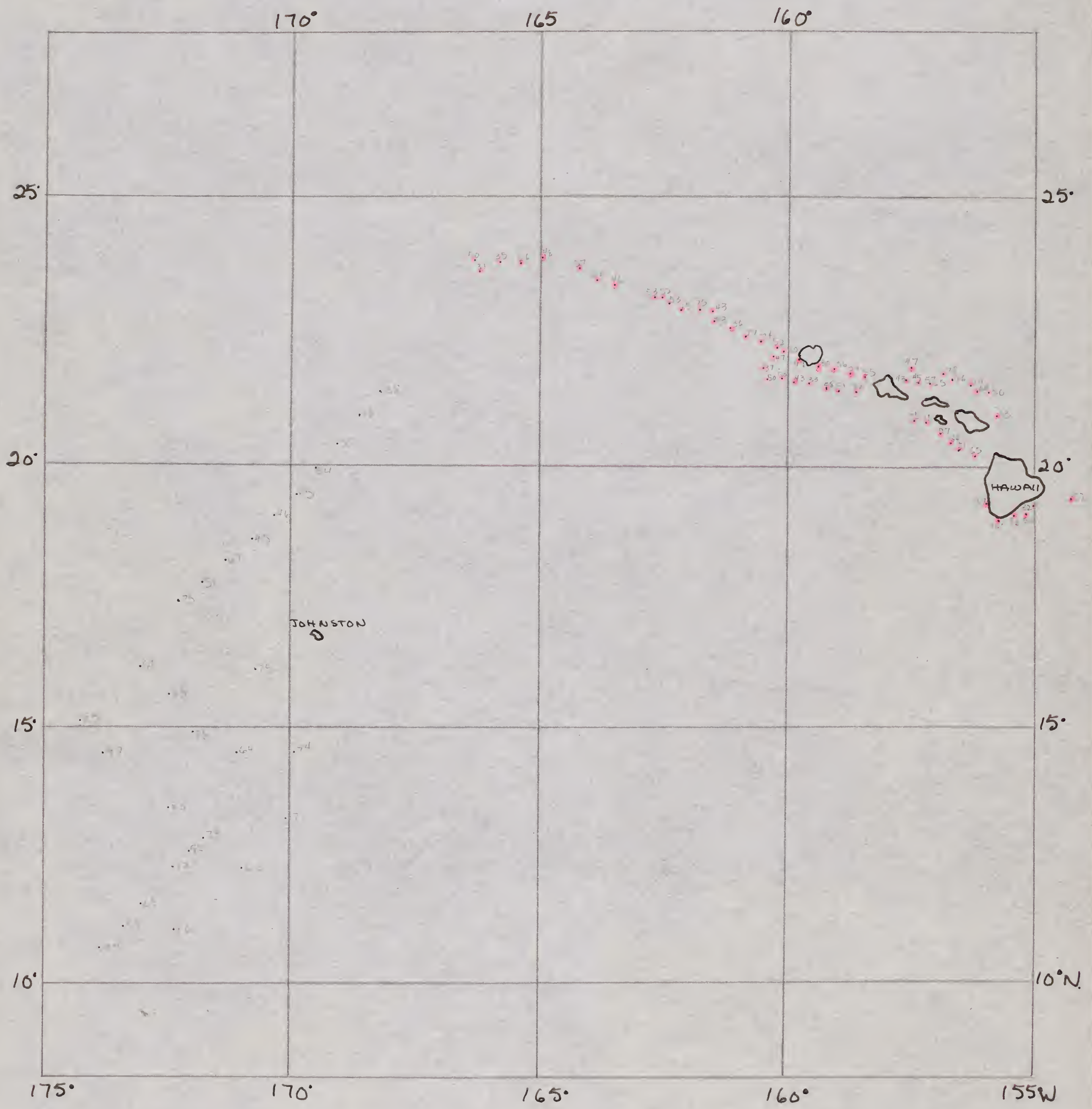
GILBERT CRUISE #74
THIS SECTION.
7-15-64 to 7-31-64

20° ISOTHERM
M.

CST

SMITHSONIAN CRUISE #90 - JULY
7-5-64 to 7-16-64

DEPTH OF THE
MIXED LAYER

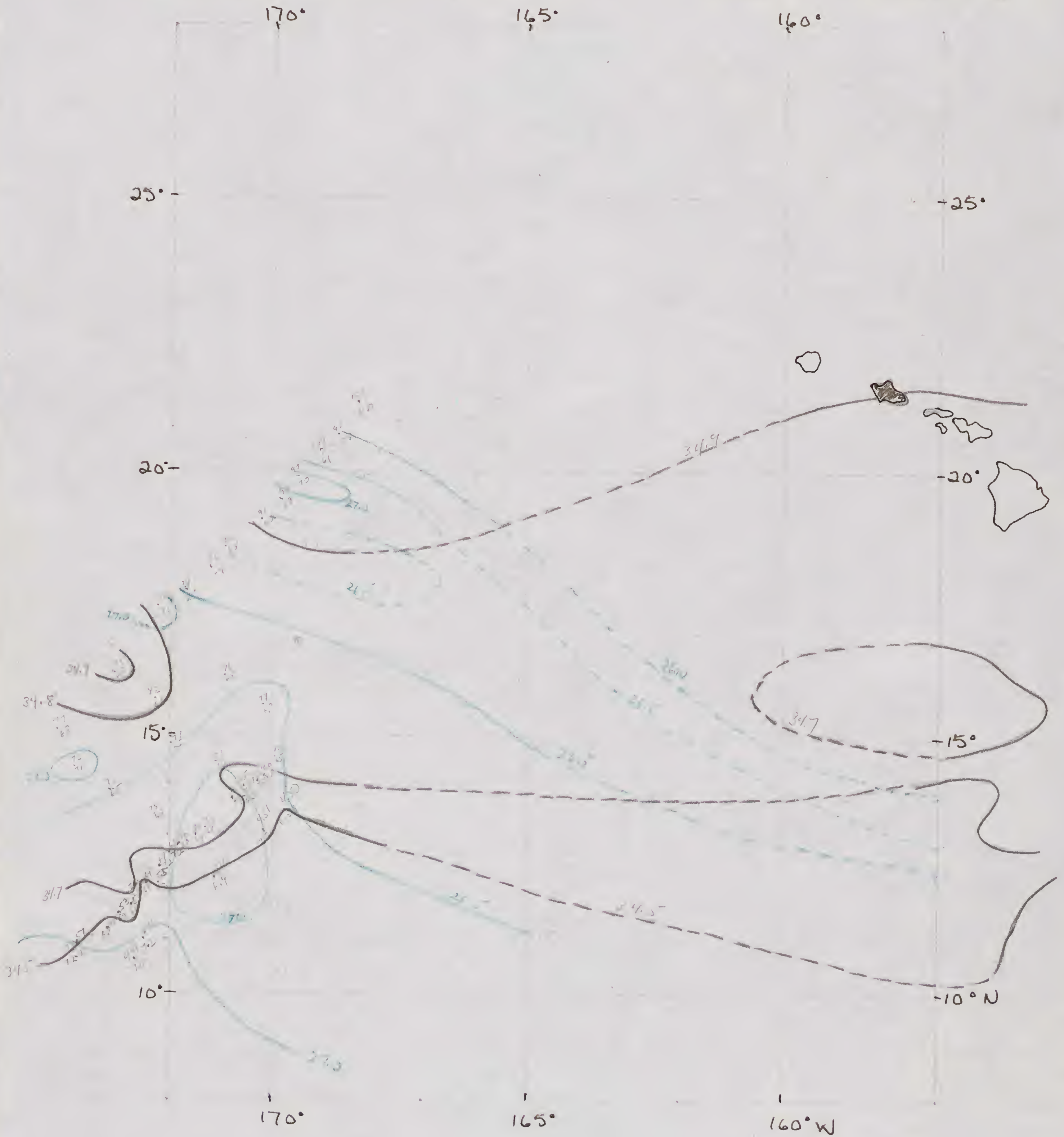


GILBERT CRUISE #74
THIS SECTION!
7-15-64 to 7-31-64

D.H.L.

SMITHSONIAN CRUISE #90-JULY
JULY 5, '64 to JULY 16, '64

BUCKET TEMP. °C
BUCKET SALINITY ‰



S ‰ —
T °C - - -

SMITHSONIAN CR. - JULY #90
7-6-64 to 7-8-64

BT SECTION
(4-10)

12° N. LATITUDE (AVERAGE)

175°

170°

● SURFACE
TEMP. °C.

SS - SURFACE SALINITY ‰
34.9

DEPTH IN METERS

DML - DEPTH OF THE
MIXED LAYER

KE 10 X 10 TO THE CM.
KEUFFEL & ESSER CO.
MADE IN U. S. A.

28°
27°
26°
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300

25°

20°

15°

10°

"

"

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DML

SS
ST

175°

170°

CBT

SMITHSONIAN CR. - JULY #90
7-12-64 to 7-16-64

BT SECTION
(17-28)

19° N. LAT. (AVERAGE)

175°

170°

SURFACE
TEMP. °C.

SS - SURFACE SALINITY ‰

27°
26°
25°
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300

DEPTH IN METERS

DML - DEPTH OF THE
MIXED LAYER

ST SS

DML

359-14G

10 X 10 TO THE CM.
KEUFFEL & ESSER CO.
MADE IN U. S. A.

175°

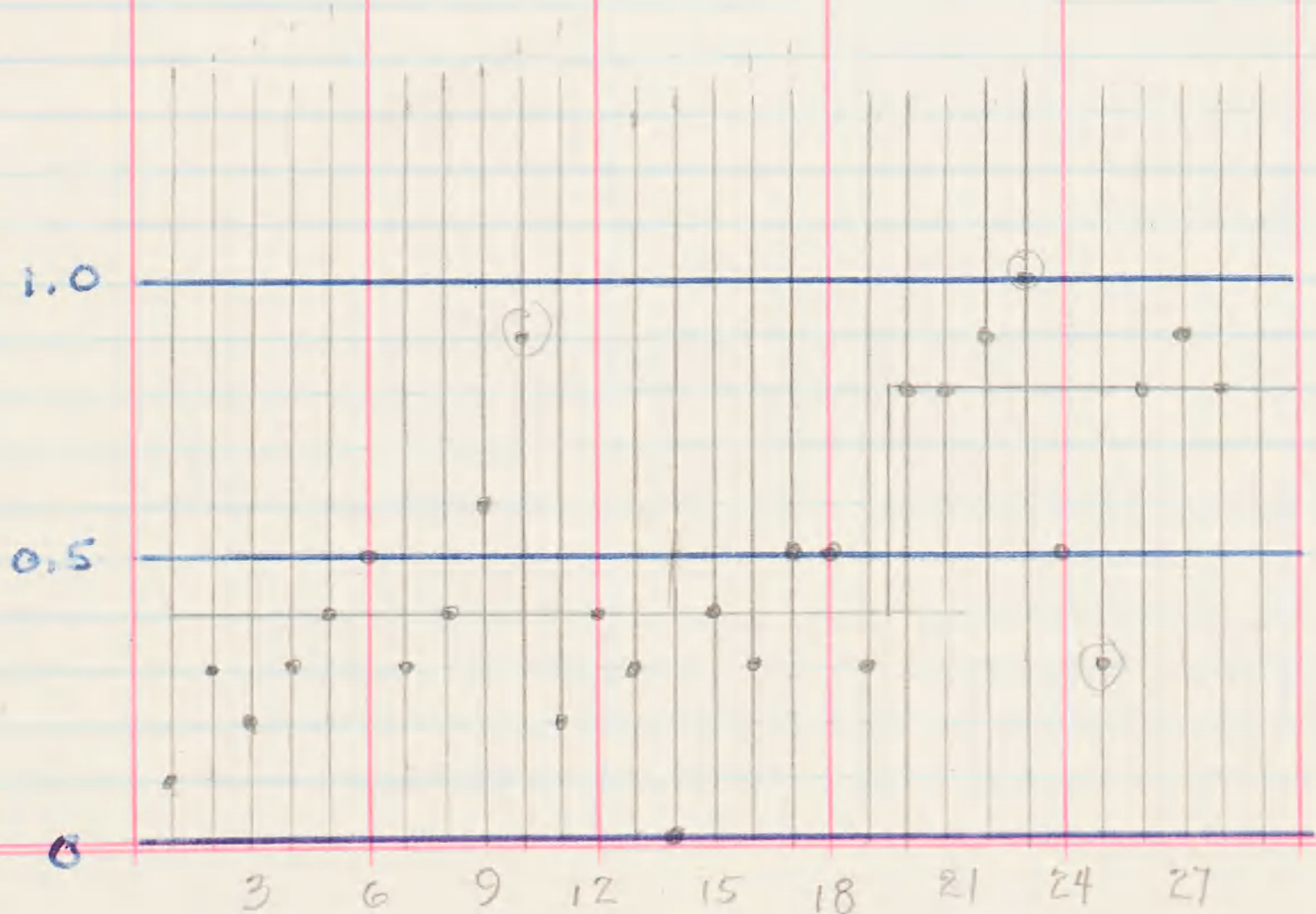
170°

BT

BT 62347A

SMITHSONIAN JULY
CRUISE 90

slide No	Surf BT	Temp. Bkt	Diff	Corr.	Corr Surf T.		
						25.9	27 ✓
						26.0	28 ✓
1	27.1	27.0	0.1	+0.4	26.7	26.1	26 ✓
2	.3	26.9	.3		.8	26.4	13 ✓ 14 ✓ 21 ✓ 22 ✓
3	.4	27.2	.2		27.0	26.5	26 ✓ 27 ✓ 28 ✓
4	.5	.2	.3		.1	26.6	18 ✓ 24 ✓
5	.4	.0	.4		.0	26.7	✓
6	.4	26.9	.5		.0	26.8	2 ✓ 11 ✓ 12 ✓
7	.3	27.0	.3		26.9	26.9	7 ✓ 17 ✓ 18 ✓
8	.4	.0	.4		27.0	27.0	3 ✓ 5 ✓ 6 ✓ 8 ✓ 9 ✓ 10 ✓ 16 ✓ 19 ✓
9	.4	26.8	.6		.0	27.1	4 ✓
10	.4	.5	.9		.0		
11	.2	27.0	.2		26.8		
12	.2	26.8	.4		.8		
13	26.8	.5	.3		.4		
14	.8	.8	.0		.4		
15	27.0	.6	.4		.6		
16	.4	27.1	.3		27.0		
17	.3	26.8	.5		26.9		
18	.3	.8	.5		.9		
19	.4	27.1	.3		27.0		
20	.3	26.5	.8	+0.8	26.5		
21	.2	.4	.8		.4		
22	.2	.3	.9		.4		
23	.3	.3	1.0		.5		
24	.4	.9	0.5		.6		
25	.3	27.0	.3		.5		
26	26.9	26.1	.8		.1		
27	.7	25.8	.9		25.9		
28	.8	26.0	.8		26.0		



Processed

July Cruise

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
90 BT 64347A	1	0700	5	VII	1964	13° 37'	N	169° 35'	W	1	34.50	26.5	--
										7	34.47	26.5	
										12	34.48	26.3	
										27	34.51	26.3	
									111	34.94	24.6		
	2	1000				13° 13'		170° 03'		1	34.51	27.0	1
	7	1800				12° 14'		171° 00'			34.48	26.9	2
	13	0400	6	VII	1964	11° 02'		172° 24'			34.46	27.2	3
	14	0700				10° 46'		172° 33'			34.44	27.0	--
										9	34.44	27.0	
										13	34.42	27.0	
										30	34.40	26.8	
										117	34.43	19.5	
	20	1900				10° 43'		173° 49'		1	34.45	27.2	4
	21	2100				10° 56'		173° 37'			34.57	27.0	
	23	2300				11° 09'		173° 24'			34.57	27.0	5
	24	0100	7	VII	1964	11° 20'		173° 12'			34.48	26.8	
	25	0300				11° 32'		173° 00'			34.53	26.9	6
	27	0500				11° 44'		172° 48'			34.51	26.8	--
	28	0700				11° 53'		172° 41'			34.78	26.9	
										8	34.77	26.8	
										12	34.79	26.7	
										28	34.76	26.7	
										113	35.00	24.3	
	29	0930				12° 07'		172° 31'		1	34.49	26.9	
	31	1100				12° 16'		172° 21'			34.55	27.0	7
	32	1300				12° 25'		172° 12'			34.64	27.2	
	34	1500				12° 36'		172° 01'			34.63	27.0	8
	35	1700				12° 44'		171° 51'			34.69	27.0	
	37	1900				12° 52'		171° 42'			34.70	26.8	9
	38	2100				13° 00'		171° 33'			34.83	26.9	--
	39	2300				13° 09'		171° 25'			34.73	26.8	
	41	0700	8	VII	1964	13° 42'		170° 46'			34.76	26.4	

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									
90	42	0900	8	VII	1964	13° 48'	N	170° 39'	W	1	34.70	26.6	--	
	43	1100				13° 56'		170° 33'			34.55	26.7		
	44	1300				14° 06'		170° 23'			34.58	26.8		
	45	1500				14° 09'		170° 18'			34.60	26.8		
	48	1900				14° 30'		169° 56'			34.80	26.5	10	
	54	0700	9	VII	1964	15° 27'		170° 08'			34.79	26.0	--	
										7	34.74	26.1		
										11	34.77	26.0		
										24	34.77	26.0		
										107	35.17	24.6		
		58	1500				14° 30'		171° 05'		1	34.77	27.0	11
		64	0100	10	VII	1964	13° 24'		172° 24'			34.78	26.8	12
	66	0700				13° 50'		173° 04'			34.72	26.5	--	
									10	34.75	26.5			
									12	34.71	26.7			
									27	34.70	26.5			
									115	34.92	19.5			
	74	2400				14° 53'		171° 58'		1	34.77	26.5	13	
	81	1500	11	VII	1964	16° 09'		170° 43'			34.76	26.8	14	
	88	0600	12	VII	1964	15° 38'		172° 23'			34.82	26.6	15	
	94	1700				14° 27'		173° 44'			34.76	27.1	16	
	97	2200				15° 06'		174° 14'			34.77	26.8	17	
	102	1200	13	VII	1964	16° 09'		173° 01'			34.93	26.8	18	
	103	1500	14	VII	1964	17° 24'		172° 12'			34.78	27.1	19	
	104	1900				17° 44'		171° 48'			34.74	26.5	20	
	105	2300				18° 09'		171° 20'			34.76	26.4	21	
	106	0300	15	VII	1964	18° 35'		170° 48'			34.82	26.3	22	
	107	0700				19° 03'		170° 18'			34.91	26.3	23	
	108	1100				19° 27'		169° 53'			34.99	26.9	24	
	109	1500				19° 55'		169° 27'			34.97	27.0	25	
	110	1900				20° 25'		169° 01'			35.04	26.1	26	
	111	2300				20° 56'		168° 37'			34.93	25.8	27	
	112	0300	16	VII	1964	21° 25'		168° 12'			35.01	26.0	28	