CORRECTIONS MADE:

STATION POSITIONS ~~#8~~

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA
CCOFI Cruise 5303
(MLR 46)
6 March-5 April 1953

SIO Reference 57-37
3 September 1957

UNIVERSITY OF CALIFORNIA

SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CCOFI CRUISE 5303

(MLR 46)

6 March-5 April 1953

Sponsored by

Marine Research Committee

SIO Reference 57-37
3 September 1957

Approved for distribution:

Roger Revelle

Roger Revelle, Director

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7. Horizontal Distribution of Salinity at 200 Meters

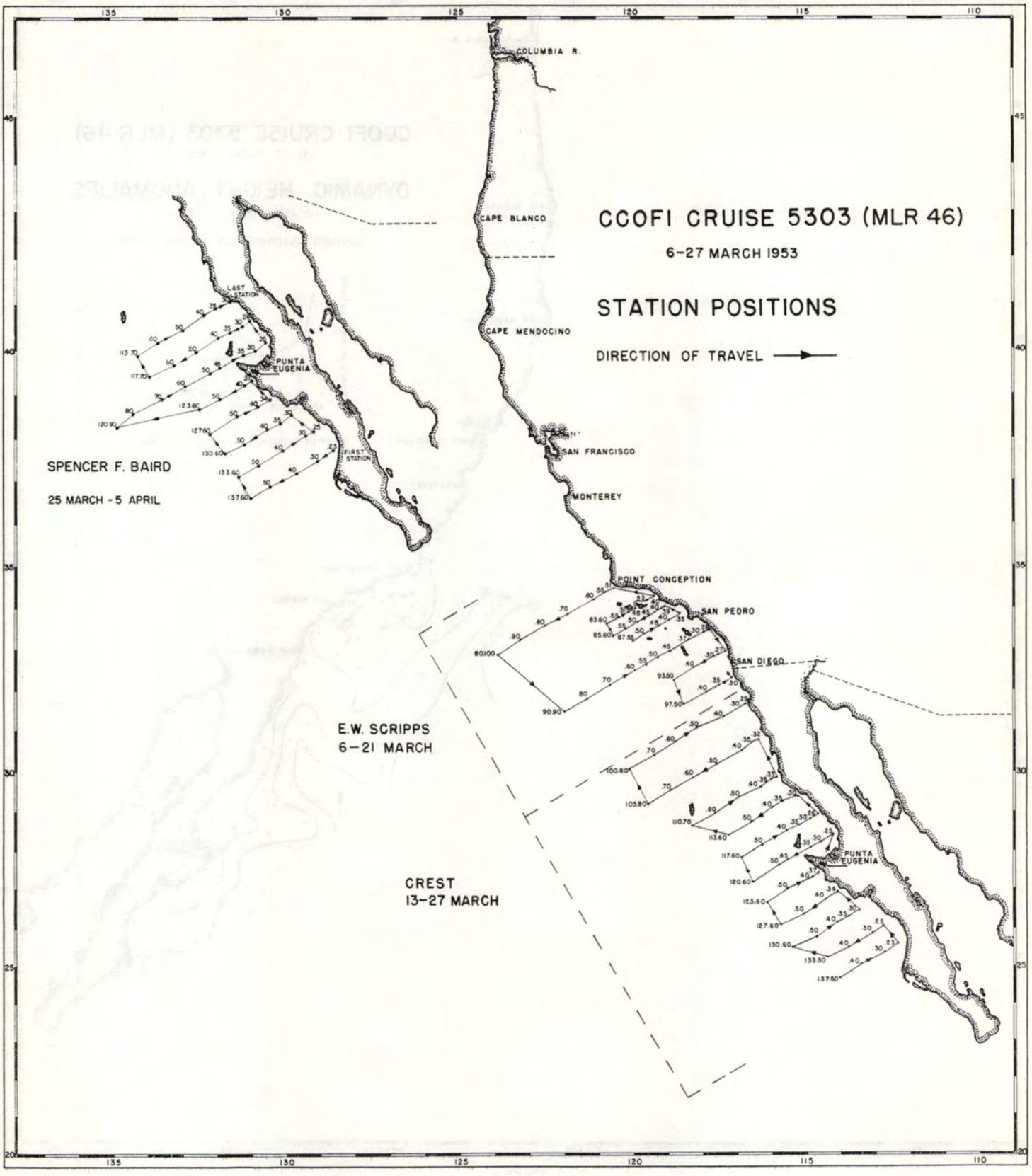
CCOFI CRUISE 5303 (MLR 46)
6-27 MARCH 1953
STATION POSITIONS
DIRECTION OF TRAVEL
COLUMBIA R.
CAPE BLANCO
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
LAST STATION
FIRST STATION
SPENCER F. BAIRD
25 MARCH - 5 APRIL
E.W. SCRIPPS
6-21 MARCH
CREST
13-27 MARCH

FIGURE 1

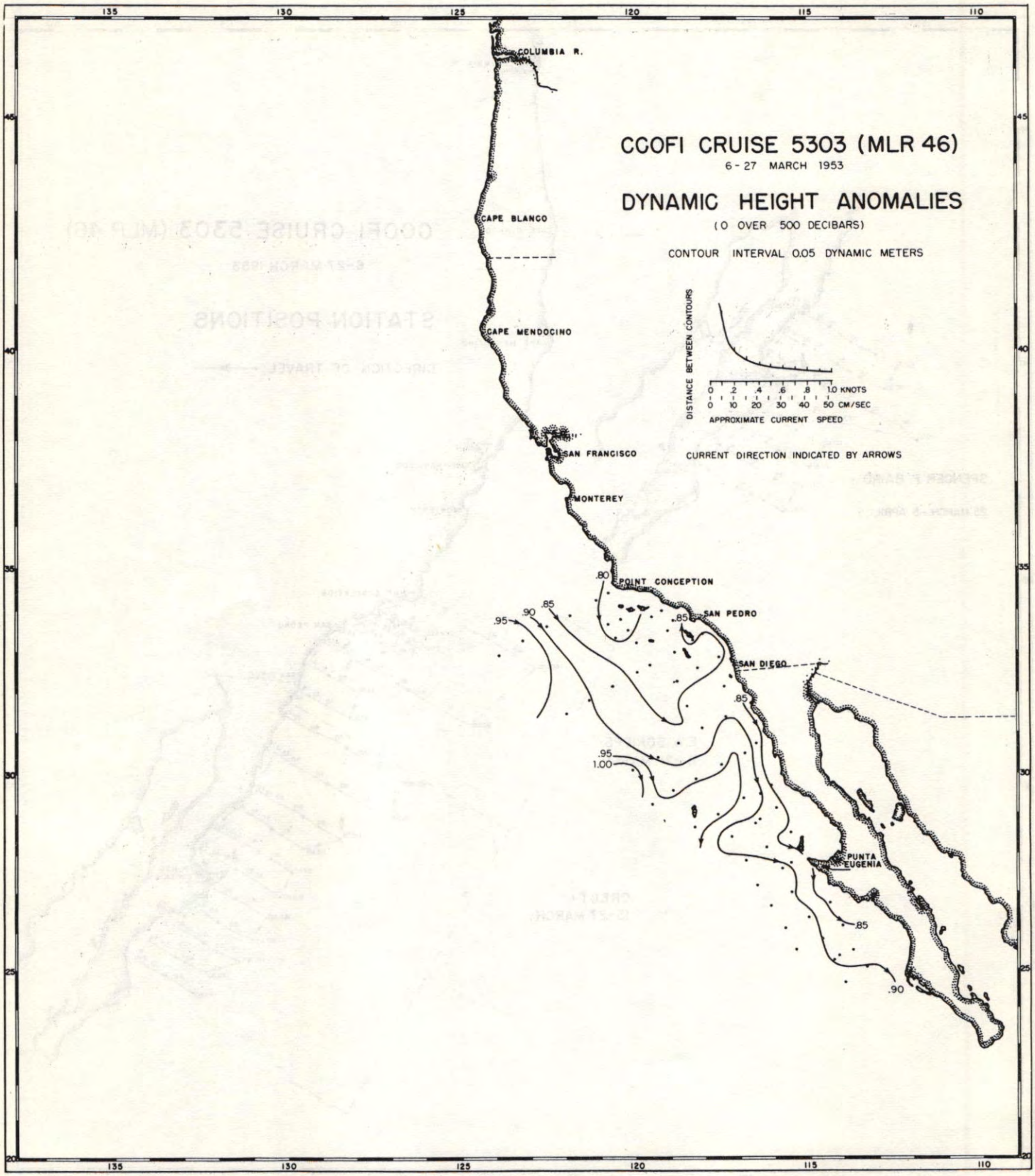
CCOFI CRUISE 5303 (MLR 46)
6 - 27 MARCH 1953
DYNAMIC HEIGHT ANOMALIES
(0 OVER 500 DECIBARS)
CONTOUR INTERVAL 0.05 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
0 .2 .4 .6 .8 1.0 KNOTS
0 10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CURRENT DIRECTION INDICATED BY ARROWS
COLUMBIA R.
CAPE BLANCO
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
135
130
125
120
115
110
45
40
35
30
25
20
.80
.85
.90
.95
1.00

FIGURE 2

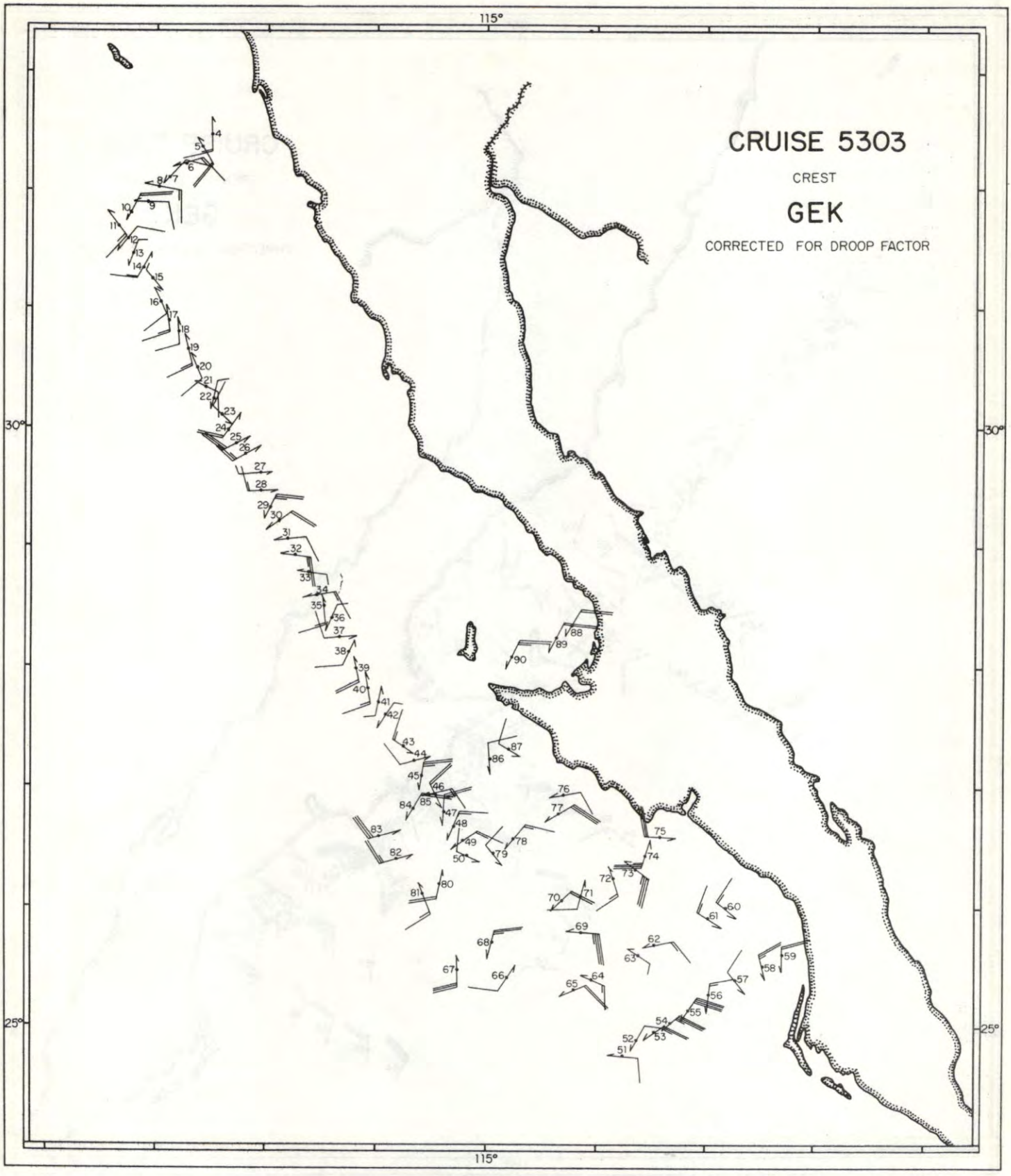

FIGURE 3A

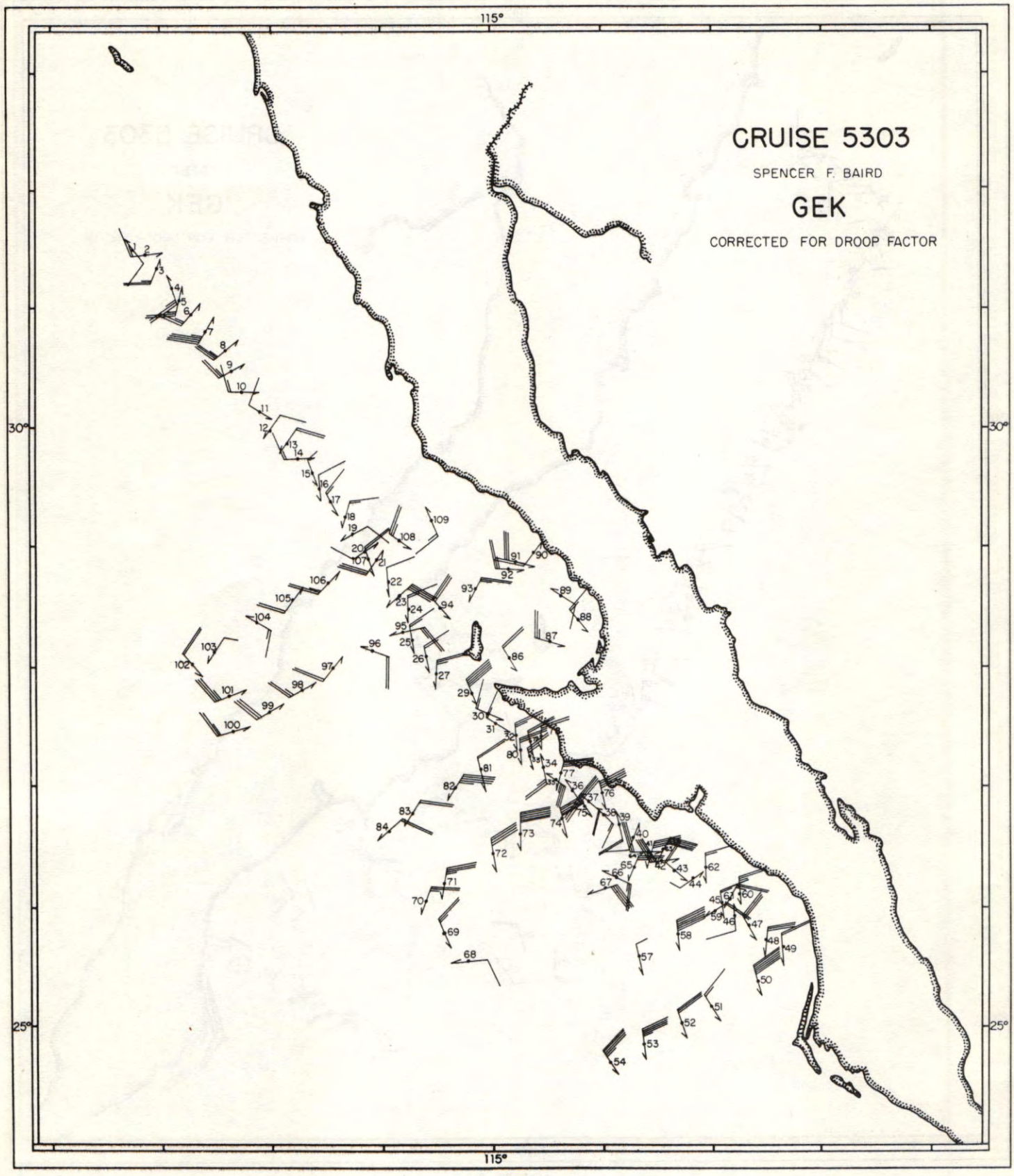
CRUISE 5303
SPENCER F. BAIRD
GEK
CORRECTED FOR DROOP FACTOR
115°
30°
25°

FIGURE 3B

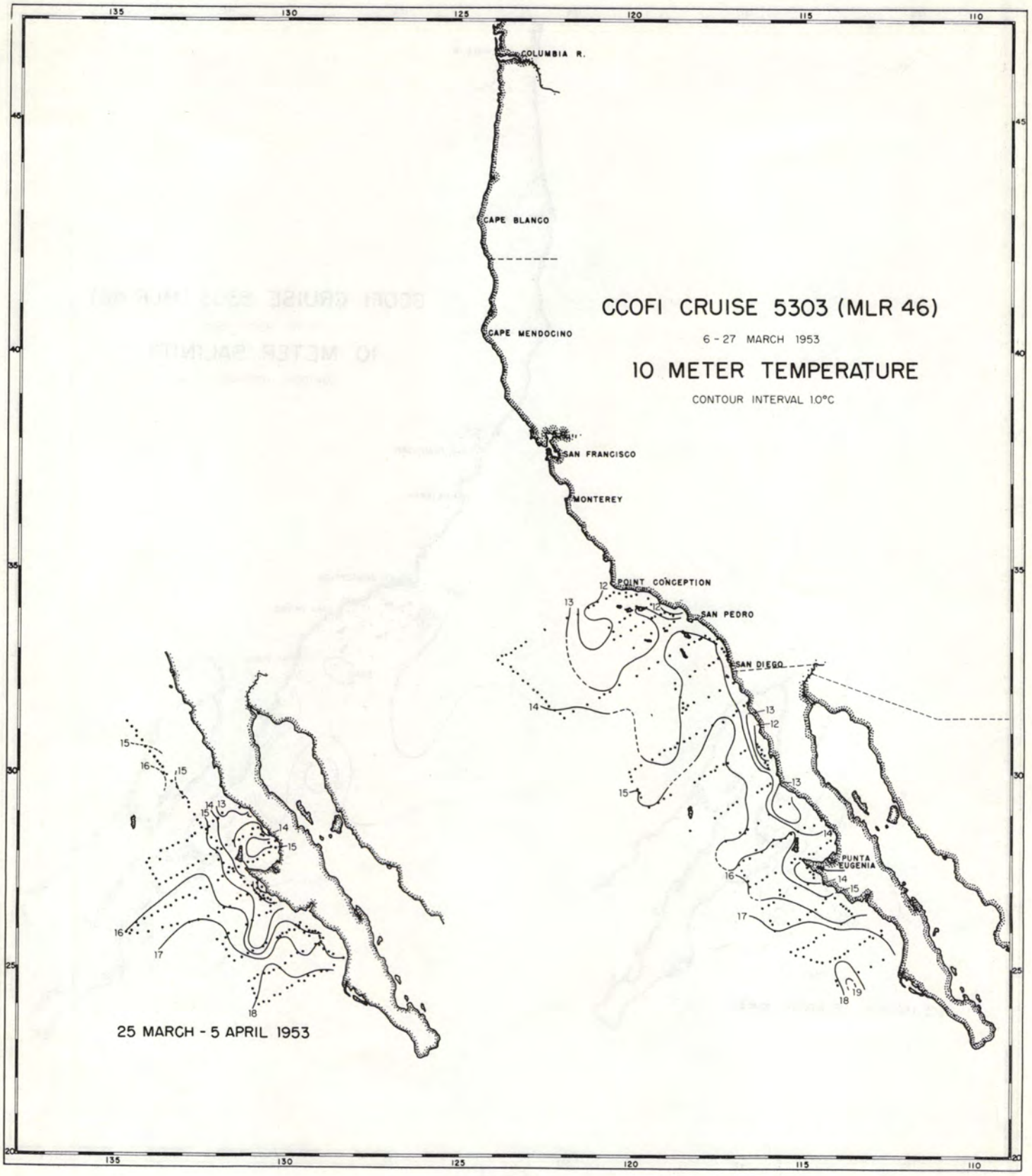
CCOFI CRUISE 5303 (MLR 46)
6 - 27 MARCH 1953
10 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
COLUMBIA R.
CAPE BLANCO
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
25 MARCH - 5 APRIL 1953
135
130
125
120
115
110
50
45
40
35
30
25
20

FIGURE 4


CCOFI CRUISE 5303 (MLR 46)
6 - 27 MARCH 1953
10 METER SALINITY
CONTOUR INTERVAL 0.20‰
COLUMBIA R.
CAPE BLANCO
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
33.20
33.40
33.60
33.80
34.00
25 MARCH - 5 APRIL 1953

FIGURE 5

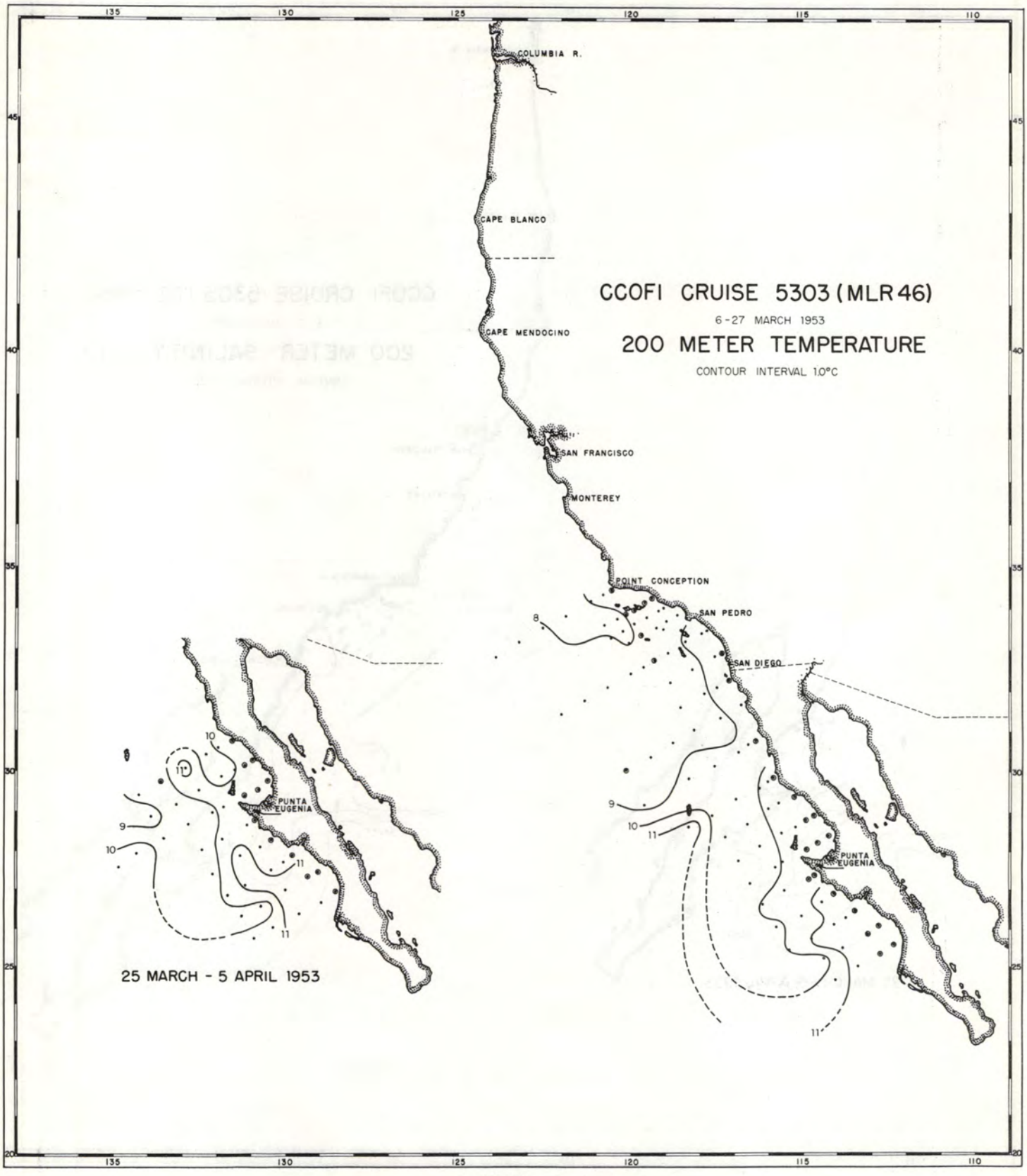
CCOFI CRUISE 5303 (MLR 46)
6-27 MARCH 1953
200 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
COLUMBIA R.
CAPE BLANCO
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
PUNTA EUGENIA
25 MARCH - 5 APRIL 1953
135
130
125
120
115
110
45
40
35
30
25
20

FIGURE 6

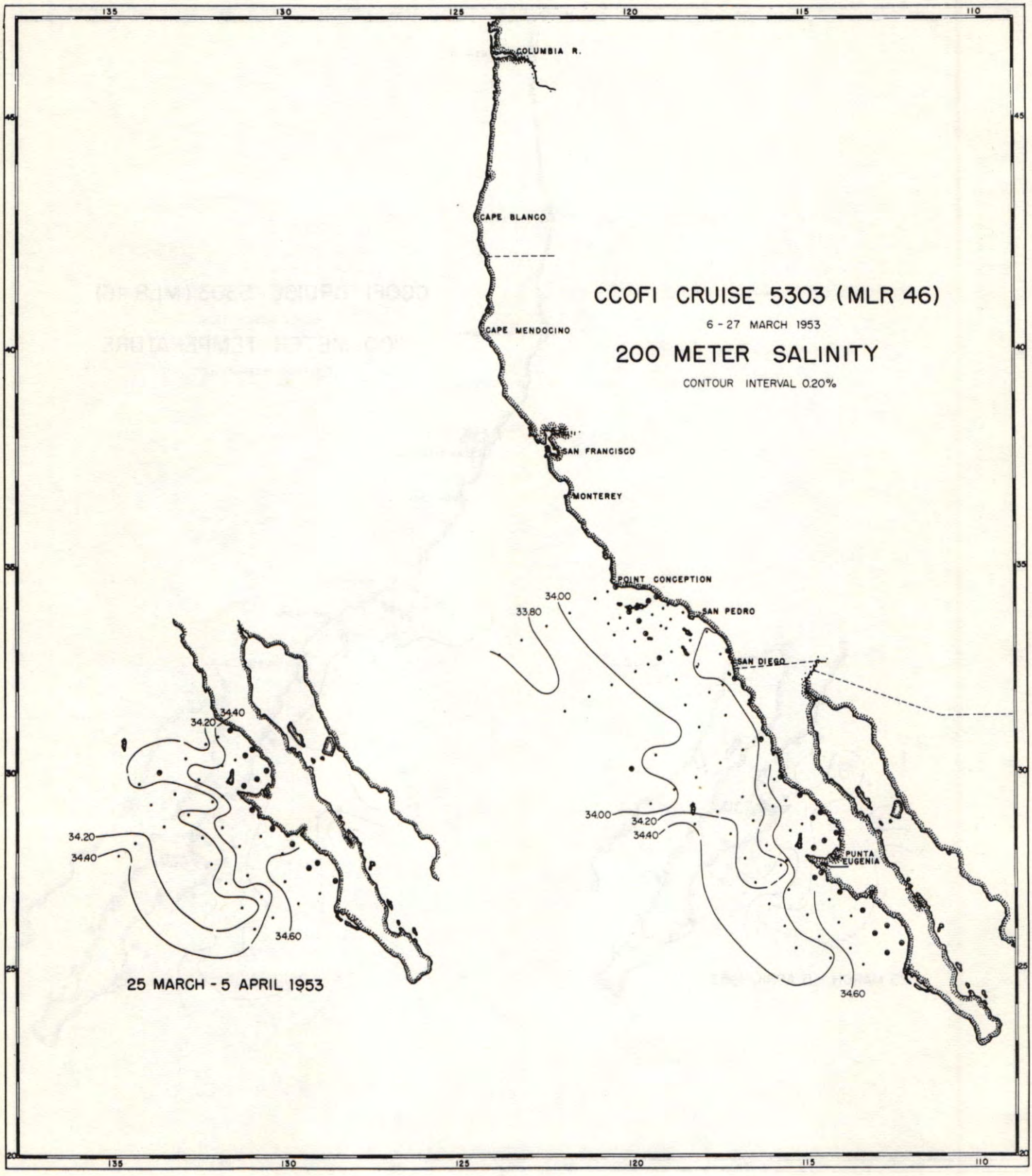
135
130
125
120
115
110
45
40
35
30
25
20
COLUMBIA R.
CAPE BLANCO
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
CCOFI CRUISE 5303 (MLR 46)
6 - 27 MARCH 1953
200 METER SALINITY
CONTOUR INTERVAL 0.20%
34.00
33.80
34.00
34.20
34.40
34.60
34.40
34.20
34.60
25 MARCH - 5 APRIL 1953

FIGURE 7

INTRODUCTION

The data in this report were collected on the forty-sixth full-scale cruise conducted in the Marine Life Research Program. The three ships participating were the MV CREST, the MV E. W. SCRIPPS, and the MV SPENCER F. BAIRD, of the Scripps Institution of Oceanography.

Data are presented in the form of values tabulated at standard depths, and on charts of horizontal distributions. Values of observed depths will be included in a final publication, OCEANIC OBSERVATIONS OF THE PACIFIC. The presentation of data in these Physical and Chemical Data Reports does not constitute publication, and these interpretations may be subject to modification as the program continues.

In the tabulated data extrapolated values are indicated by parentheses. The time given is the time that the messenger was released. When more than one cast was made on a station, both messenger times and both wire angles are given; the time and the wire angle given first are for the shallow cast. Horizontal lines separate the casts.

Nansen bottle pretripping occurred on Stations 85.60, 87.45, 87.55, 97.40, 113.35, 113.50, 137.30, and 137.40. Some of the depths of observation, therefore, may be slightly in error.

PERSONNEL

Ships' Captains

Davis, L. E., MV CREST
Brandal, G., MV E. W. SCRIPPS
Colbeth, C. W., MV SPENCER F. BAIRD

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

MV CREST

Cunningham, Leonard M., Jr., Senior Marine Technician
Greenbaum, Richard H., Marine Technician
Poffendorf, Lawrence W., Marine Technician
Riber, Donald N., Marine Technician
Thrailkill, James R., Fisheries Research Biologist, U. S. Fish and Wildlife Service
Worrall, Charles G., Senior Marine Technician

MV E. W. SCRIPPS

Coolidge, Richard N., Senior Marine Technician
*Duiker, Wesley J., Marine Technician
*Howell, Robert W., Marine Technician
Kircher, Robert J., Marine Technician
MacGregor, John S., Marine Biologist, U. S. Fish and Wildlife Service
Mattson, George M., Scientific Illustrator, U. S. Fish and Wildlife Service
*Schwartzlose, Richard A., Laboratory Technician

MV SPENCER F. BAIRD

Smith, Alan C., Senior Marine Technician
Counts, Robert C., Fisheries Research Biologist, U. S. Fish and Wildlife Service
Howell, Robert W., Marine Technician
King, Robert D., Marine Technician
Lance, James R., Marine Technician

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*These personnel did not make the full cruise.

STATION 80.51 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 34°26' 120°32'; March 10, 1953; 2035 GCT; wire angle: 10°; sounding: 51 fms; depth of observation: 50 m; weather: partly cloudy; sea: moderate; wind: 80°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.30	33.38	25.30		.000	5.93
10	12.20	33.36	25.30		.027	5.90
20	11.88	33.38	25.37		.053	5.75
30	11.04	33.49	25.61		.078	4.93
50	10.63	33.55	25.73		.125	4.30

STATION 80.55 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 34°19' 120°48'; March 10, 1953; 2254 GCT; wire angle: 11°; sounding: 800 fms; depth of observation: 588 m; weather: partly cloudy; sea: moderate; wind: 110°, force 1.

0	12.90	33.34	25.15		.000	6.05
10	12.68	33.31	25.17		.028	6.09
20	12.26	33.37	25.30		.056	6.18
30	11.85	33.37	25.43		.083	5.83
50	10.27	33.54	25.79		.130	4.05
75	9.38	33.91	26.22		.180	2.80
100	9.04	33.89	26.26		.225	2.47
150	8.87	34.07	26.43		.311	1.92
200	8.53	34.12	26.52		.391	1.67
250	8.31	34.20	26.62		.466	1.42
300	8.00	34.25	26.71		.538	1.26
400	7.33	34.26	26.81		.673	0.90
500	6.53	34.28	26.94		.799	0.55
600	(5.78)	(34.34)	(27.08)		(.912)	-

STATION 80.60 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 34°09' 121°09'; March 11, 1953; 0228 GCT; wire angle: 10°; sounding: 1200 fms; depth of observation: 1192 m; weather: partly cloudy; sea: very rough; wind: 280°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.54	33.35	25.23		.000	6.37
10	12.16	33.37	25.31		.027	6.43
20	11.83	33.39	25.39		.053	6.32
30	11.69	33.39	25.42		.079	6.07
50	11.47	33.37	25.44		.131	5.83
75	9.79	33.43	25.78		.191	4.20
100	9.11	33.69	26.10		.243	3.33
150	8.58	33.89	26.34		.334	2.70
200	8.03	34.09	26.58		.415	2.20
250	7.48	34.11	26.67		.488	1.74
300	7.03	34.12	26.74		.557	1.28
400	6.44	34.23	26.91		.686	0.63
500	6.03	34.31	27.03		.802	0.63
600	5.55	34.32	27.09		.910	0.32
700	5.17	34.40	27.20		1.010	0.30
800	4.83	34.44	27.27		1.103	0.34
1000	4.09	34.46	27.37		1.273	0.54
1200	(3.51)	(34.49)	(27.45)		(1.427)	(0.70)

STATION 80.70 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°49' 121°51'; March 11, 1953; 0843 GCT; wire angle: 5°; sounding: 1900 + fms; depth of observation: 602 m; weather: clear; sea: rough; wind: 280°, force 1.

0	12.97	33.06	24.92		.000	6.19
10	12.98	33.05	24.91		.031	6.35
20	12.46	33.09	25.04		.060	6.40
30	12.31	33.11	25.08		.090	6.32
50	11.51	33.28	25.37		.145	6.09
75	10.50	33.40	25.64		.207	4.20
100	9.03	33.60	26.04		.262	3.45
150	8.61	33.90	26.34		.355	2.99
200	7.78	34.01	26.55		.436	2.43
250	7.35	34.06	26.64		.510	2.13
300	6.88	34.10	26.75		.580	1.77
400	5.99	34.15	26.90		.708	1.08
500	5.54	34.26	27.05		.823	1.24
600	5.01	34.35	27.18		.925	0.83

STATION 80.80 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°32' 122°31'; March 11, 1953; 1529 GCT; wire angle: 6°; sounding: 1200 fms; depth of observation: 604 m; weather: cloudy; sea: very rough; wind: 280°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.28	33.06	24.86		.000	6.09
10	13.29	33.05	24.85		.031	6.21
20	13.23	33.06	24.87		.062	5.97
30	13.12	33.06	24.89		.093	6.06
50	12.85	33.09	24.96		.154	6.15
75	11.99	33.13	25.16		.227	5.77
100	9.68	33.06	25.51		.294	5.02
150	8.51	33.58	26.10		.405	3.97
200	8.06	33.90	26.42		.494	3.01
250	7.43	34.07	26.65		.572	2.67
300	6.88	34.10	26.75		.641	1.96
400	6.03	34.21	26.95		.767	0.87
500	5.56	34.27	27.05		.880	0.60
600	5.10	34.30	27.13		.984	0.45

STATION 80.90 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°10' 123°14'; March 11, 1953; 2145 GCT; wire angle: 6°; sounding: 2150 fms; depth of observation: 601 m; weather: partly cloudy; sea: very rough; wind: 320°, force 1.

0	13.74	33.06	24.76		.000	6.04
10	13.46	33.08	24.84		.032	6.03
20	13.39	33.07	24.84		.063	6.07
30	13.33	33.10	24.88		.094	5.96
50	13.08	33.07	24.90		.155	6.04
75	12.75	33.09	24.98		.231	6.14
100	12.45	33.10	25.05		.306	5.92
150	9.72	33.18	25.60		.440	4.86
200	8.52	33.70	26.20		.547	3.49
250	8.05	33.93	26.45		.634	2.65
300	7.43	34.01	26.60		.713	2.02
400	6.57	34.06	26.76		.855	1.18
500	5.52	34.13	26.95		.981	0.97
600	5.14	34.35	27.17		1.089	0.47

STATION 80.100 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°49' 123°54'; March 12, 1953; 0358 GCT; wire angle: 6°; sounding: 2000+ fms; depth of observation: 607 m; weather: partly cloudy; sea: very rough; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.10	33.02	24.66		.000	6.23
10	13.60	33.08	24.81		.032	5.76
20	13.53	33.07	24.81		.064	6.08
30	13.41	33.06	24.83		.095	6.08
50	13.32	33.11	24.89		.157	6.02
75	13.04	33.06	24.90		.234	6.00
100	12.42	33.09	25.05		.310	5.79
150	9.46	33.42	25.83		.438	4.30
200	8.82	33.80	26.23		.539	2.91
250	8.21	33.97	26.46		.626	2.62
300	7.60	34.07	26.62		.704	1.96
400	6.66	34.16	26.82		.842	1.09
500	5.92	34.22	26.97		.964	0.70
600	5.38	34.31	27.11		1.074	0.43

STATION 83.40 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 34°14' 119°22'; March 9, 1953; 1858 GCT; wire angle: 0°; sounding: 12 fms; depth of observation: 20 m; weather: clear; sea: slight; wind: 230°, force 2.

0	13.03	33.33	25.11	.000	6.41
10	12.10	33.37	25.33	.028	6.43
20	11.50	33.39	25.45	.054	6.07

STATION 83.43 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 34°08' 119°34'; March 9, 1953; 1702 GCT; wire angle: 0°; sounding: 139 fms; depth of observation: 152 m; weather: partly cloudy; sea: slight; wind: 270°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.87	33.41	25.21		.000	6.47
10	12.36	33.43	25.32		.027	6.56
20	12.11	33.43	25.37		.054	6.28
30	11.86	33.44	25.43		.079	5.88
50	11.14	33.49	25.60		.129	4.96
75	10.18	33.62	25.87		.186	3.85
100	9.61	33.87	26.16		.237	3.09
150	8.94	34.15	26.48		.324	2.11

STATION 83.48 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°58' 119°54'; March 8, 1953; 2057 GCT; wire angle: 3°; sounding: 105 fms; depth of observation: 75 m; weather: cloudy; sea: slight; wind: calm.

0	13.57	33.30	24.98		.000	6.10
10	13.28	33.31	25.05		.030	6.15
20	12.72	33.31	25.16		.058	6.12
30	11.98	33.41	25.38		.085	5.65
50	10.38	33.57	25.79		.134	4.33
75	9.72	33.67	25.98		.187	3.39

STATION 83.51 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°52' 120°08'; March 8, 1953; 1846 GCT; wire angle: 5°; sounding: 90 fms; depth of observation: 100 m; weather: overcast; sea: slight; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5 s$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.96	33.30	25.11		.000	6.09
10	12.69	33.29	25.15		.028	6.18
20	12.30	33.37	25.29		.056	6.01
30	11.92	33.43	25.41		.082	6.04
50	9.54	33.75	26.07		.128	3.29
75	9.21	33.93	26.27		.175	2.80
100	9.08	33.99	26.34		.218	2.48

STATION 83.55 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°44' 120°24'; March 8, 1953; 1600 GCT; wire angle: 5°; sounding: 625 fms; depth of observation: 603 m; weather: overcast; sea: slight; wind: calm.

0	12.82	33.34	25.16		.000	5.89
10	12.25	33.35	25.28		.028	6.12
20	11.95	33.32	25.32		.054	6.04
30	11.86	33.32	25.33		.081	5.99
50	11.37	33.37	25.46		.133	5.43
75	9.50	33.71	26.05		.190	3.39
100	8.93	33.75	26.17		.238	3.07
150	8.37	33.98	26.44		.325	2.49
200	7.95	34.10	26.60		.403	2.20
250	7.84	34.15	26.65		.476	1.71
300	7.60	34.31	26.81		.544	0.84
400	7.02	34.34	26.92		.669	0.51
500	6.35	34.37	27.03		.785	0.36
600	5.74	34.40	27.13		.891	0.31

STATION 83.60 (*Interpolated Values at Standard Depths*)

E. W. SCRIPPS: 33°34' 120°45'; March 8, 1953; 1235 GCT; wire angle: 5°; sounding: 780 fms; depth of observation: 602 m; weather: cloudy; sea: slight; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.38	33.41	25.30		.000	6.07
10	11.93	33.41	25.39		.026	6.12
20	11.51	33.41	25.47		.052	5.87
30	11.30	33.44	25.53		.077	5.61
50	10.52	33.57	25.77		.124	4.07
75	9.30	33.65	26.03		.177	3.45
100	8.76	33.81	26.25		.225	3.01
150	8.27	33.99	26.46		.310	2.59
200	7.82	34.05	26.58		.387	2.09
250	7.41	34.09	26.67		.461	1.45
300	7.13	34.18	26.78		.529	1.11
400	6.25	34.21	26.92		.656	0.67
500	5.96	34.23	26.97		.773	0.56
600	5.44	34.38	27.15		.881	0.43

STATION 85.39 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 34°00' 119°04'; March 7, 1953; 1435 GCT; wire angle: 0°; sounding: 275 m; depth of observation: 300 m; weather: clear; sea: slight; wind: calm.

0	11.88	33.36	25.36		.000	6.00
10	11.83	33.30	25.32		.026	5.81
20	11.68	33.32	25.37		.053	5.54
30	11.46	33.37	25.44		.079	5.28
50	11.06	33.43	25.56		.129	4.96
75	10.08	33.55	25.83		.187	3.71
100	9.57	33.75	26.07		.239	3.05
150	9.37	33.97	26.27		.333	2.50
200	8.96	34.11	26.45		.418	2.03
250	8.55	34.20	26.58		.496	1.60
300	8.36	34.16	26.58		.572	1.41

STATION 85.40 (*Interpolated Values at Standard Depths*)

E. W. SCRIPPS: 33°57' 119°10'; March 7, 1953; 1633 GCT; wire angle: 0°; sounding: 400 fms; depth of observation: 604 m; weather: clear; sea: slight; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.96	33.23	25.05		.000	6.30
10	12.72	33.29	25.14		.029	6.12
20	12.42	33.29	25.20		.057	5.88
30	12.00	33.30	25.29		.084	5.59
50	10.64	33.43	25.64		.135	4.92
75	9.94	33.65	25.93		.191	3.39
100	9.47	33.71	26.05		.242	3.35
150	9.12	34.02	26.35		.334	2.39
200	8.96	34.15	26.48		.417	2.15
250	8.56	34.20	26.58		.494	1.79
300	7.93	34.21	26.68		.568	1.35
400	7.20	34.26	26.83		.703	0.85
500	6.66	34.29	26.93		.828	0.55
600	6.06	34.31	27.02		.945	0.43

STATION 85.45 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°47' 119°31'; March 7, 1953; 2043 GCT; wire angle: 9°; sounding: 1000 fms; depth of observation: 602 m; weather: clear; sea: slight; wind: calm.

0	13.55	33.26	24.96		.000	6.22
10	12.93	33.29	25.10		.029	6.13
20	12.10	33.35	25.31		.057	5.94
30	11.93	33.36	25.35		.084	5.89
50	11.70	33.32	25.36		.136	5.61
75	10.10	33.49	25.78		.197	4.10
100	9.24	33.81	26.17		.249	3.06
150	8.97	33.93	26.31		.340	2.83
200	8.58	34.08	26.48		.423	2.07
250	8.21	34.16	26.60		.500	1.60
300	7.82	34.21	26.70		.572	1.23
400	7.04	34.29	26.88		.705	0.80
500	6.41	34.32	26.98		.825	0.58
600	5.85	34.34	27.07		.936	0.33

STATION 85.50 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°37' 119°52'; March 8, 1953; 0040 GCT; wire angle: 0°; sounding: 180 fms; depth of observation: 205 m; weather: fog; sea: slight; wind: 240°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.72	33.37	25.21		.000	5.95
10	12.10	33.36	25.32		.027	5.73
20	11.84	33.37	25.37		.054	5.51
30	11.59	33.39	25.44		.079	5.22
50	10.79	33.46	25.64		.129	4.57
75	9.91	33.56	25.86		.185	3.80
100	9.09	33.82	26.20		.235	2.92
150	8.78	34.16	26.52		.320	1.93
200	8.39	-	-		-	1.48

STATION 85.55 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°27' 120°12'; March 8, 1953; 0458 GCT; wire angle: 5°; sounding: 570 fms; depth of observation: 602 m; weather: fog; sea: slight; wind: 240°, force 2.

0	12.72	33.32	25.17		.000	6.31
10	12.58	33.33	25.20		.028	6.24
20	12.25	33.32	25.26		.055	6.23
30	11.91	33.32	25.32		.082	6.20
50	11.82	33.34	25.36		.135	6.03
75	9.54	33.51	25.89		.195	3.91
100	8.97	33.71	26.13		.246	3.08
150	8.43	33.93	26.39		.335	2.50
200	7.98	34.07	26.57		.415	2.17
250	7.66	34.16	26.69		.488	1.64
300	7.39	34.22	26.77		.556	1.04
400	6.77	34.30	26.92		.683	0.63
500	6.24	34.32	27.01		.799	0.42
600	5.74	34.33	27.08		.909	0.34

STATION 85.60 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°17' 120°34'; March 8, 1953; 0858 GCT; wire angle: 3°; sounding: 900 fms; depth of observation: 480 m; weather: fog; sea: slight; wind: 270°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.20	33.29	25.24		.000	5.59
10	12.24	33.31	25.25		.027	4.94
20	11.72	33.29	25.34		.054	5.31
30	11.80	33.30	25.33		.081	5.09
50	11.20	33.34	25.47		.133	4.77
75	9.60	33.57	25.92		.191	3.58
100	8.72	33.78	26.23		.240	3.37
150	8.29	34.03	26.49		.324	2.02
200	8.03	34.08	26.57		.402	1.62
250	7.69	34.12	26.65		.475	1.67
300	6.94	34.15	26.78		.544	1.31
400	6.29	34.20	26.91		.671	0.52
500	(5.72)	(34.29)	(27.05)		(.786)	(0.44)

STATION 87.35 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°50' 118°38'; March 7, 1953; 1030, 1050 GCT; wire angle: 0°, 0°; sounding: 300 fms; depth of observation: 255, 299 m; weather: clear; sea: moderate; wind: calm.

0	13.53	33.30	24.99		.000	6.23
10	13.28	33.37	25.10		.029	6.18
20	12.87	33.27	25.10		.058	5.25
30	12.27	33.27	25.22		.086	4.68
50	11.14	33.31	25.46		.139	4.43
75	10.02	33.55	25.84		.198	3.56
100	9.54	33.82	26.13		.250	3.03
150	9.25	34.07	26.37		.340	2.47
200	8.94	34.14	26.48		.422	2.03
250	8.56	34.22	26.60		.500	1.60
300	(8.07)	(34.27)	(26.71)		(.572)	(1.28)

STATION 87.40 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°40' 118°58'; March 7, 1953; 0635,0703 GCT; wire angle: 0°, 0°; sounding: 425 fms; depth of observation: 249, 603 m; weather: clear; sea: rough; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.42	33.35	25.05		.000	5.51
10	13.13	33.27	25.05		.029	6.24
20	12.68	33.27	25.14		.058	5.96
30	12.42	33.27	25.19		.086	5.48
50	11.10	33.35	25.49		.139	4.44
75	10.18	33.56	25.82		.198	3.39
100	10.11	33.76	25.99		.251	2.61
150	9.16	33.93	26.28		.347	2.47
200	8.72	34.12	26.49		.431	1.92
250	8.31	34.17	26.60		.508	1.44
300	7.89	34.22	26.70		.581	1.17
400	6.96	34.27	26.87		.713	0.47
500	6.43	34.30	26.97		.834	(0.57)
600	5.79	34.35	27.09		.946	-

STATION 87.45 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°31' 119°16'; March 7, 1953; 0317 GCT; wire angle: 0°; sounding: 450 fms; depth of observation: 320 m; weather: clear; sea: slight; wind: calm.

0	13.44	33.39	25.08		.000	5.45
10	12.39	33.39	25.29		.028	6.01
20	12.15	33.37	25.32		.055	5.79
30	11.88	33.41	25.40		.081	5.46
50	10.34	33.50	25.74		.130	4.38
75	9.30	33.78	26.14		.182	3.15
100	9.01	33.91	26.28		.228	2.74
150	8.78	34.01	26.40		.313	2.29
200	8.36	34.18	26.60		.392	2.02
250	8.05	34.22	26.67		.465	1.42
300	7.67	34.22	26.73		.534	1.07

STATION 87.50 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°20' 119°40'; March 7, 1953; 0010 GCT; wire angle: 0°; sounding: 42 fms; depth of observation: 50 m; weather: clear; sea: moderate; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.85	33.34	24.96		.000	5.59
10	12.61	33.32	25.19		.029	6.04
20	12.46	33.32	25.22		.057	6.07
30	12.19	33.31	25.26		.084	5.81
50	10.28	33.59	25.82		.133	4.24

STATION 87.55 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°08' 120°00'; March 6, 1953; 2003, 2042 GCT; wire angle: 8°, 10°; sounding: 540 fms; depth of observation: 200, 598 m; weather: clear; sea: slight; wind: 160°, force 1.

0	12.64	33.27	25.14		.000	5.38
10	12.24	33.28	25.23		.028	5.17
20	12.13	33.37	25.32		.055	6.09
30	12.12	33.37	25.32		.082	5.95
50	12.02	33.41	25.37		.135	5.95
75	11.15	33.39	25.52		.199	6.06
100	9.39	33.57	25.96		.256	-
150	8.52	33.90	26.35		.350	-
200	7.99	34.01	26.52		.432	-
250	7.68	34.11	26.64		.507	-
300	7.42	34.18	26.74		.577	-
400	6.94	34.27	26.87		.708	-
500	6.34	34.34	27.01		.827	-
600	(5.77)	(34.37)	(27.11)		(.935)	-

STATION 90.28 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°28' 117°47'; March 14, 1953; 1343 GCT; wire angle: 1°; sounding: 270 fms; depth of observation: 205 m; weather: clear; sea: slight; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.34	33.45	25.15		.000	6.42
10	13.24	33.33	25.07		.029	6.45
20	12.30	33.29	25.23		.057	5.70
30	11.13	33.28	25.43		.084	4.55
50	10.51	33.50	25.72		.132	3.77
75	10.47	33.71	25.89		.188	3.02
100	9.82	33.78	26.05		.239	2.94
150	9.50	33.92	26.21		.335	2.57
200	9.26	34.14	26.42		.422	1.91

STATION 90.30 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 33°24' 117°55'; March 14, 1953; 1143 GCT; wire angle: 1°; sounding: 325 fms; depth of observation: 500 m; weather: clear; sea: calm; wind: calm.

0	13.53	33.36	25.04		.000	6.71
10	13.52	33.33	25.02		.029	6.60
20	12.74	33.33	25.17		.058	5.95
30	11.88	33.33	25.34		.086	5.00
50	10.82	33.39	25.58		.136	4.22
75	10.20	33.59	25.84		.194	3.63
100	9.83	33.76	26.03		.246	3.06
150	9.69	34.04	26.28		.341	2.31
200	9.47	34.24	26.47		.426	1.77
250	8.97	34.28	26.58		.504	1.40
300	8.04	34.17	26.64		.579	1.42
400	7.32	34.22	26.78		.719	0.85
500	6.66	34.25	26.90		.847	0.58

STATION 90.37 (*Interpolated Values at Standard Depths*)

E. W. SCRIPPS: 33°10' 118°24'; March 14, 1953; 0715 GCT; wire angle: 10°; sounding: 640 fms; depth of observation: 579 m; weather: clear; sea: slight; wind: 270°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.10	33.36	24.92		.000	6.04
10	14.10	33.35	24.91		.030	5.97
20	13.90	33.36	24.96		.061	5.96
30	13.48	33.37	25.06		.090	5.80
50	11.98	33.36	25.34		.146	4.81
75	10.92	33.53	25.67		.209	3.95
100	10.23	33.58	25.83		.266	3.54
150	9.67	33.89	26.16		.368	2.82
200	9.06	34.10	26.42		.457	2.04
250	8.49	34.19	26.58		.535	1.55
300	8.10	34.20	26.65		.609	1.31
400	7.02	34.32	26.90		.743	0.80
500	6.26	34.35	27.03		.859	0.52

STATION 90.45 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°54' 118°56'; March 20, 1953; 0705 GCT; wire angle: 10°; sounding: 940 fms; depth of observation: 593 m; weather: overcast; sea: moderate; wind: 250°, force 4.

0	14.14	33.29	24.86		.000	-
10	14.16	33.29	24.85		.031	-
20	14.16	33.28	24.85		.062	-
30	14.05	33.30	24.88		.093	-
50	12.65	33.29	25.16		.152	-
75	10.30	33.49	25.74		.216	-
100	9.69	33.74	26.04		.269	-
150	9.00	33.93	26.30		.363	-
200	8.65	34.11	26.50		.447	-
250	8.20	34.25	26.68		.522	-
300	7.80	34.25	26.74		.591	-
400	7.06	34.31	26.89		.722	-
500	6.41	34.32	26.98		.841	-
600	(5.82)	(34.36)	(27.09)		(.951)	-

STATION 90.50 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°45' 119°17'; March 20, 1953; 1050 GCT; wire angle: 10°; sounding: 215 fms; depth of observation: 73 m; weather: overcast; sea: moderate; wind: 250°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.60	33.34	25.01		.000	6.10
10	13.60	33.35	25.02		.030	6.15
20	13.52	33.34	25.02		.059	6.12
30	12.84	33.34	25.16		.088	5.80
50	11.22	33.33	25.46		.142	5.16
75	(10.30)	(33.45)	(25.71)		(.202)	(4.43)

STATION 90.55 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°35' 119°37'; March 20, 1953; 1505 GCT; wire angle: 25°; sounding: 625 fms; depth of observation: 541 m; weather: overcast; sea: rough; wind: 300°, force 4.

0	13.20	33.28	25.04		.000	6.03
10	13.20	33.29	25.05		.029	6.12
20	13.20	33.27	25.03		.059	6.18
30	13.22	33.29	25.05		.088	6.02
50	13.19	33.26	25.03		.147	6.03
75	10.51	33.32	25.58		.214	4.95
100	9.54	33.52	25.89		.271	3.80
150	8.73	33.85	26.28		.369	2.71
200	8.25	34.05	26.51		.452	1.89
250	7.81	34.20	26.69		.527	1.19
300	7.46	34.26	26.79		.594	0.93
400	6.82	34.29	26.91		.721	0.57
500	6.32	34.30	26.98		.839	0.41

STATION 90.60 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°25' 119°58'; March 13, 1953; 1335 GCT; wire angle: 17°; sounding: 2000+ fms; depth of observation: 572 m; weather: partly cloudy; sea: very rough; wind: 320°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.68	33.19	24.88		.000	5.53
10	13.68	33.21	24.89		.031	6.17
20	13.57	33.23	24.93		.061	6.41
30	13.22	33.16	24.95		.092	6.22
50	12.60	33.23	25.12		.151	5.92
75	10.79	33.25	25.47		.218	3.75
100	9.42	33.53	25.92		.276	2.64
150	8.72	33.89	26.31		.372	1.49
200	8.50	34.08	26.50		.455	1.27
250	8.08	34.22	26.67		.531	1.12
300	7.60	34.27	26.78		.599	0.97
400	6.88	34.32	26.92		.726	0.58
500	6.24	34.35	27.03		.841	0.40

STATION 90.70 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°04' 120°39'; March 13, 1953; 0733 GCT; wire angle: 16°; sounding: 1750 fms; depth of observation: 577 m; weather: partly cloudy; sea: slight; wind: 300°, force 1.

0	12.94	33.13	24.98		.000	6.50
10	12.97	33.13	24.97		.030	6.40
20	12.92	33.14	24.99		.060	6.45
30	12.65	33.17	25.07		.089	6.40
50	12.03	33.17	25.18		.146	6.22
75	11.89	33.24	25.26		.216	5.94
100	9.72	33.36	25.74		.278	4.25
150	8.75	33.75	26.20		.382	3.03
200	8.13	33.95	26.45		.468	2.43
250	7.58	34.03	26.59		.546	2.14
300	7.09	34.13	26.74		.618	2.04
400	6.52	34.21	26.88		.747	1.45
500	6.02	34.30	27.02		.865	1.02

STATION 90.80 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 31°45' 121°19'; March 13, 1953; 0200 GCT; wire angle: 20°; sounding: 1850 fms; depth of observation: 570 m; weather: partly cloudy; sea: moderate; wind: 300°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.58	33.05	24.79		.000	6.07
10	13.56	33.02	24.77		.032	6.30
20	13.13	33.09	24.91		.063	6.40
30	12.77	33.14	25.02		.093	6.37
50	12.42	33.14	25.09		.152	6.19
75	11.90	33.16	25.20		.223	5.82
100	9.77	33.10	25.53		.289	5.12
150	8.87	33.51	25.99		.402	3.93
200	8.32	33.94	26.41		.495	2.86
250	7.69	34.03	26.58		.574	2.68
300	7.14	34.08	26.70		.646	1.79
400	6.26	34.07	26.81		.782	0.93
500	5.66	34.23	27.01		.903	-

STATION 90.90 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 31°25' 121°59'; March 12, 1953; 2035 GCT; wire angle: 10°; sounding: 2100 fms; depth of observation: 596 m; weather: partly cloudy; sea: moderate; wind: 300°, force 3.

0	14.62	33.23	24.71		.000	5.93
10	14.60	33.29	24.76		.032	5.82
20	14.59	33.22	24.71		.064	5.84
30	14.52	33.24	24.74		.097	5.81
50	13.69	33.15	24.84		.160	5.97
75	12.70	33.17	25.06		.236	5.86
100	10.82	33.11	25.36		.306	5.02
150	8.71	33.60	26.09		.421	3.90
200	8.26	33.85	26.35		.513	3.86
250	7.55	34.02	26.59		.593	3.03
300	6.86	34.11	26.76		.664	1.95
400	6.14	34.12	26.86		.793	0.92
500	5.55	34.26	27.05		.910	0.62
600	(5.13)	(34.27)	(27.10)		(1.016)	(0.47)

STATION 93.27 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°56' 117°19'; March 16, 1953; 0119, 0132 GCT; wire angle: 8°, 8°; sounding: 105 fms; depth of observation: 99,150 m; weather: partly cloudy; sea: slight; wind: 270°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.19	33.33	24.88		.000	6.32
10	13.38	33.30	25.02		.030	6.46
20	11.41	33.34	25.43		.058	5.40
30	10.95	33.40	25.56		.083	4.14
50	10.44	33.57	25.78		.129	3.35
75	9.94	33.76	26.02		.183	3.05
100	9.75	33.86	26.12		.232	2.66
150	9.36	34.01	26.31		.324	2.25

STATION 93.30 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°50' 117°32'; March 16, 1953; 0336, 0411 GCT; wire angle: 11°, 13°; sounding: 440 fms; depth of observation: 246, 597 m; weather: clear; sea: slight; wind: 250°, force 1.

0	14.40	33.31	24.82		.000	6.08
10	14.23	33.27	24.82		.031	6.03
20	13.97	33.29	24.89		.062	6.02
30	13.10	33.29	25.07		.092	6.00
50	10.78	33.25	25.47		.147	4.61
75	9.97	33.62	25.90		.205	3.45
100	9.69	33.87	26.14		.255	2.81
150	9.42	34.11	26.37		.345	2.12
200	9.38	34.25	26.49		.427	1.62
250	9.12	34.33	26.59		.504	1.34
300	8.78	34.33	26.65		.578	1.06
400	7.50	34.31	26.83		.716	0.88
500	6.70	34.35	26.97		.839	0.42
600	(5.95)	(34.39)	(27.10)		(.950)	(0.34)

STATION 93.40 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°30' 118°12'; March 16, 1953; 0931 GCT; wire angle: 5°; sounding: 900 fms; depth of observation: 603 m; weather: clear; sea: slight; wind: 290°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.22	33.42	24.94		.000	5.92
10	14.22	33.41	24.93		.030	6.01
20	14.02	33.39	24.96		.060	6.01
30	13.78	33.40	25.02		.090	6.12
50	11.86	33.37	25.37		.146	4.75
75	10.11	33.62	25.88		.206	3.65
100	9.72	33.81	26.09		.257	3.00
150	9.20	34.09	26.39		.348	2.27
200	8.70	34.21	26.57		.427	1.78
250	8.02	34.19	26.66		.501	1.52
300	7.62	34.19	26.71		.571	1.11
400	6.92	34.33	26.92		.701	0.58
500	6.35	34.39	27.05		.815	0.53
600	5.78	34.47	27.18		.919	0.28

STATION 93.50 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°12' 118°49'; March 16, 1953; 1529 GCT; wire angle: 6°; sounding: 800 fms; depth of observation: 601 m; weather: cloudy; sea: rough; wind: 300°, force 3.

0	13.88	33.43	25.02		.000	6.01
10	13.90	33.39	24.99		.030	6.04
20	13.76	33.37	25.00		.059	6.04
30	12.90	33.38	25.18		.088	5.55
50	11.20	33.45	25.55		.141	4.20
75	10.21	33.68	25.91		.198	3.45
100	10.17	33.75	25.97		.250	2.89
150	9.54	34.00	26.27		.347	2.51
200	9.06	34.17	26.48		.431	2.00
250	8.57	34.23	26.60		.509	1.78
300	8.01	34.27	26.72		.580	1.64
400	7.01	34.30	26.89		.711	0.87
500	6.39	34.33	26.99		.830	0.40
600	5.68	34.33	27.09		.940	0.41

STATION 97.30 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°16' 117°08'; March 21, 1953; 0933 GCT; wire angle: 5°; sounding: 30 fms; depth of observation: 30 m; weather: cloudy; sea: moderate; wind: 300°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.62	33.31	24.98		.000	6.11
10	13.60	33.31	24.98		.030	6.16
20	12.41	33.33	25.24		.058	5.84
30	12.00	33.32	25.31		.086	5.33

STATION 97.35 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 32°06' 117°29'; March 21, 1953; 0550 GCT; wire angle: 8°; sounding: 625 fms; depth of observation: 597 m; weather: partly cloudy; sea: rough; wind: 300°, force 2.

0	14.48	33.28	24.78		.000	6.07
10	14.50	33.30	24.79		.032	6.14
20	14.51	33.30	24.79		.063	5.99
30	14.52	33.28	24.77		.095	5.93
50	13.96	33.25	24.86		.158	6.05
75	11.90	33.18	25.22		.232	5.11
100	10.50	33.47	25.69		.296	4.13
150	9.62	33.88	26.16		.401	3.00
200	9.40	34.19	26.44		.489	1.92
250	8.53	34.24	26.62		.567	1.55
300	7.75	34.22	26.72		.639	1.30
400	7.00	34.22	26.83		.772	0.69
500	6.30	34.31	26.99		.894	0.45
600	(5.72)	(34.31)	(27.06)		(1.006)	(0.34)

STATION 97.40 (Interpolated Values at Standard Depths)

E. W. SCRIPPS; 31°56' 117°51'; March 21, 1953; 0145 GCT; wire angle: 20°; sounding: 1000 fms; depth of observation: 369 m; weather: overcast; sea: rough; wind: 320°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.30	33.27	24.81		.000	5.70
10	14.33	33.26	24.80		.032	5.95
20	14.33	33.34	24.86		.063	5.94
30	14.32	33.29	24.82		.094	5.92
50	14.23	33.29	24.84		.157	5.89
75	11.35	33.24	25.36		.229	5.05
100	9.90	33.40	25.74		.291	4.80
150	9.25	33.94	26.27		.392	3.00
200	8.90	34.11	26.46		.478	2.30
250	8.32	34.18	26.60		.555	1.89
300	7.73	34.26	26.75		.626	1.42

STATION 97.50 (Interpolated Values at Standard Depths)

E. W. SCRIPPS: 31°36' 118°32'; March 16, 1953; 2048 GCT; wire angle: 18°; sounding: 1200 fms; depth of observation: 576 m; weather: overcast; sea: rough; wind: 280°, force 3.

0	14.30	33.31	24.84		.000	5.94
10	14.30	33.29	24.82		.031	5.91
20	14.30	33.30	24.83		.063	5.97
30	14.28	33.28	24.82		.094	5.94
50	13.70	33.35	25.00		.155	5.83
75	10.88	33.33	25.52		.224	4.35
100	9.71	33.57	25.91		.281	3.61
150	9.25	33.94	26.27		.379	2.70
200	8.80	34.10	26.47		.464	2.02
250	8.56	34.25	26.62		.541	1.39
300	8.06	34.30	26.74		.612	0.97
400	6.99	34.30	26.89		.742	0.71
500	6.25	34.30	26.99		.861	0.42

STATION 100.29 (Interpolated Values at Standard Depths)

CREST: 31°42' 116°44'; March 27, 1953; 0945 GCT; wire angle: 0°; sounding: 100 fms; depth of observation: 155 m; weather: clear; sea: moderate; wind: 330°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.91	33.57	25.32		.000	7.86
10	11.92	33.55	25.50		.026	6.57
20	10.71	33.64	25.79		.049	3.61
30	10.23	33.76	25.97		.071	3.06
50	9.98	33.90	26.12		.110	2.65
75	10.02	34.02	26.20		.157	2.12
100	10.02	34.08	26.25		.203	1.98
150	9.81	34.12	26.32		.291	1.84

STATION 100.30 (Interpolated Values at Standard Depths)

CREST: 31°40' 116°47'; March 27, 1953; 0816 GCT; wire angle: 13°; sounding: 250 fms; depth of observation: 383 m; weather: clear; sea: moderate; wind: 340°, force 3.

0	13.14	33.52	25.24		.000	7.06
10	12.28	33.52	25.41		.027	5.97
20	10.63	33.63	25.80		.051	3.81
30	10.33	33.71	25.91		.072	3.20
50	10.03	33.84	26.06		.113	2.74
75	9.82	34.02	26.24		.160	2.32
100	9.83	34.10	26.30		.205	2.01
150	9.60	34.20	26.41		.290	1.60
200	9.37	34.25	26.49		.371	1.45
250	8.93	34.36	26.65		.447	1.20
300	8.79	34.39	26.69		.518	0.85

STATION 100.40 (Interpolated Values at Standard Depths)

CREST: 31°20' 117°24'; March 27, 1953; 0343 GCT; wire angle: 14°; sounding: 1100 fms; depth of observation: 1142 m; weather: partly cloudy; sea: moderate; wind: 340°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.14	33.40	24.73		.000	5.73
10	15.15	33.37	24.70		.032	5.82
20	15.11	33.41	24.74		.065	5.72
30	15.10	33.42	24.75		.097	5.68
50	15.02	33.42	24.77		.161	5.65
75	13.30	33.28	25.02		.238	5.90
100	10.21	33.29	25.60		.305	4.63
150	9.04	33.69	26.11		.414	3.56
200	8.73	34.05	26.44		.503	2.62
250	8.33	34.18	26.60		.582	1.92
300	7.92	34.24	26.71		.654	1.40
400	6.90	34.32	26.92		.784	0.84
500	6.13	34.36	27.05		.898	0.38
600	5.55	34.40	27.16		1.002	0.29
700	5.14	34.43	27.23		1.098	0.30
800	4.72	34.47	27.31		1.188	0.36
1000	4.02	34.56	27.46		1.346	0.57

STATION 100.50 (Interpolated Values at Standard Depths)

CREST: 31°01' 118°08'; March 26, 1953; 2302 GCT; wire angle: 7°; sounding: 950 fms; depth of observation: 579 m; weather: partly cloudy; sea: very rough; wind: 360°, force 4.

0	14.84	33.35	24.76		.000	5.62
10	14.60	33.37	24.82		.032	5.70
20	14.56	33.38	24.84		.063	5.78
30	14.58	33.38	24.83		.094	5.72
50	14.57	33.37	24.83		.157	5.61
75	11.65	33.27	25.33		.230	5.00
100	9.92	33.48	25.80		.291	4.00
150	8.89	33.87	26.27		.391	3.11
200	8.09	34.04	26.53		.474	2.80
250	7.55	34.08	26.64		.549	2.26
300	7.13	34.12	26.73		.620	1.71
400	6.48	34.28	26.94		.747	0.81
500	6.01	34.36	27.07		.860	0.36

STATION 100.60 (Interpolated Values at Standard Depths)

CREST: 30°41' 118°47'; March 26, 1953; 1756 GCT; wire angle: 17°; sounding: 1650 fms; depth of observation: 1126 m; weather: overcast; sea: rough; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.80	33.27	24.91		.000	5.83
10	13.80	33.28	24.92		.030	5.83
20	13.80	33.27	24.91		.061	5.78
30	13.73	33.28	24.94		.091	5.78
50	13.39	33.31	25.03		.151	5.77
75	11.50	33.19	25.30		.222	5.30
100	10.29	33.39	25.67		.285	4.37
150	9.13	33.73	26.12		.392	3.31
200	8.62	34.00	26.42		.482	2.68
250	7.77	34.04	26.58		.561	2.33
300	7.28	34.13	26.72		.633	1.71
400	6.62	34.24	26.89		.764	0.91
500	6.05	34.31	27.02		.881	0.44
600	5.51	34.36	27.13		.987	0.29
700	4.99	34.41	27.23		1.084	0.30
800	4.57	34.45	27.31		1.173	0.40
1000	3.91	34.51	27.43		1.334	0.63

STATION 100.70 (Interpolated Values at Standard Depths)

CREST: 30°21' 119°25; March 26, 1953; 1308 GCT; wire angle: 15°; sounding: 2000+ fms; depth of observation: 575 m; weather: overcast; sea: rough; wind: 300°, force 4.

0	14.02	33.29	24.88		.000	5.77
10	14.04	33.29	24.88		.031	5.81
20	14.06	33.32	24.90		.062	5.79
30	14.00	33.30	24.89		.092	5.84
50	13.85	33.28	24.91		.154	5.83
75	11.89	33.17	25.21		.227	5.40
100	10.40	33.22	25.52		.293	4.87
150	9.17	33.63	26.04		.405	3.66
200	8.59	34.05	26.46		.496	2.40
250	8.30	34.14	26.57		.574	1.93
300	7.86	34.21	26.70		.647	1.55
400	6.80	34.32	26.93		.777	0.71
500	5.99	34.32	27.04		.891	0.41

STATION 100.80 (Interpolated Values at Standard Depths)

CREST: 30°01' 120°07'; March 26, 1953; 0729, 0800 GCT; wire angle: 10°, 11°; sounding: 2150 fms; depth of observation: 25, 1556 m; weather: partly cloudy; sea: rough; wind: 330°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.40	33.30				
10	14.42	33.27				
20a	14.42	33.28				
500	(5.82)	(34.26)				
600	5.33	34.36				
700	4.93	34.43				
800	4.58	34.45				
1000	3.91	34.46				
1200	3.39	34.54				
1500	2.84	34.61				

STATION 105.32 (Interpolated Values at Standard Depths)

CREST: 30°44' 116°23'; March 24, 1953; 0600 GCT; wire angle: 0°; sounding: 100 fms; depth of observation: 152 m; weather: overcast; sea: slight; wind: calm.

0	11.90	33.72	25.63	.000	-
10	11.90	33.75	25.66	.024	5.93
20	11.48	33.77	25.75	.047	4.90
30	10.66	33.79	25.91	.068	3.50
50	10.28	33.93	26.09	.109	2.49
75	10.01	34.13	26.29	.155	2.12
100	10.00	34.19	26.34	.198	1.92
150	10.46	34.47	26.48	.281	0.94

a. Data not interpolated from this depth to 500-m level because depth of pretrip could not be determined.

STATION 105.35 (Interpolated Values at Standard Depths)

CREST: 30°40' 116°34'; March 24, 1953; 0753 GCT; wire angle: 10°; sounding: 750 fms; depth of observation: 570 m; weather: fog; sea: slight; wind: calm.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.62	33.31	24.77		.000	5.75
10	14.49	33.28	24.78		.032	5.70
20	14.42	33.29	24.80		.064	5.79
30	14.22	33.31	24.86		.095	5.78
50	12.36	33.18	25.13		.154	5.40
75	10.44	33.47	25.70		.219	3.79
100	10.30	33.74	25.94		.274	3.05
150	10.33	34.08	26.20		.373	1.70
200	9.19	34.19	26.47		.460	2.05
250	8.70	34.29	26.63		.536	1.34
300	8.36	34.28	26.68		.609	0.99
400	7.51	34.34	26.85		.744	0.57
500	6.56	34.32	26.96		.866	0.38

STATION 105.40 (Interpolated Values at Standard Depths)

CREST: 30°28' 116°54'; March 24, 1953; 1055 GCT; wire angle: 10°; sounding: 1120 fms; depth of observation: 578 m; weather: clear; sea: slight; wind: 10°, force 3.

0	14.90	33.35	24.74	.000	5.69
10	14.86	33.32	24.73	.032	5.66
20	14.76	33.29	24.73	.064	5.65
30	14.65	33.27	24.74	.097	5.68
50	14.40	33.29	24.80	.161	5.76
75	13.30	33.19	24.95	.238	5.70
100	10.78	33.16	25.40	.309	4.92
150	9.84	33.72	26.00	.425	3.25
200	9.27	34.00	26.31	.520	2.46
250	8.67	34.12	26.50	.603	1.84
300	8.30	34.20	26.62	.680	1.17
400	7.26	34.28	26.84	.818	0.60
500	6.42	34.38	27.03	.938	0.40

STATION 105.50 (Interpolated Values at Standard Depths)

CREST: 30°09' 117°34'; March 24, 1953; 1606 GCT; wire angle: 5°; sounding: 730 fms; depth of observation: 588 m; weather: cloudy; sea: rough; wind: 340°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.68	33.61	24.77		.000	5.59
10	15.70	33.59	24.75		.032	5.52
20	15.68	33.56	24.73		.064	5.56
30	15.63	33.57	24.75		.096	5.54
50	15.60	33.59	24.77		.160	5.53
75	15.60	33.59	24.77		.240	5.49
100	12.85	33.39	25.20		.315	5.14
150	10.31	33.67	25.88		.440	3.80
200	9.50	34.09	26.35		.537	2.45
250	8.96	34.26	26.57		.618	1.80
300	8.36	34.30	26.69		.692	1.32
400	7.37	34.35	26.88		.825	0.71
500	6.48	34.41	27.05		.942	0.42
600	(5.72)	(34.45)	(27.17)		(1.046)	-

STATION 105.60 (Interpolated Values at Standard Depths)

CREST: 29°48' 118°15'; March 24, 1953; 2052 GCT; wire angle: 26°; sounding: 1900 fms; depth of observation: 523 m; weather: overcast; sea: moderate; wind: 300°, force 5.

0	15.83	33.60	24.73		.000	5.62
10	15.83	33.61	24.74		.032	5.51
20	15.75	33.61	24.76		.064	5.55
30	15.72	33.61	24.76		.096	5.54
50	15.69	33.61	24.77		.160	5.50
75	15.67	33.61	24.77		.240	5.53
100	12.30	33.40	25.31		.314	5.27
150	10.05	33.57	25.85		.436	3.79
200	9.61	34.07	26.31		.535	2.61
250	8.96	34.18	26.50		.619	2.00
300	8.50	34.24	26.62		.695	1.41
400	7.28	34.38	26.91		.830	0.71
500	6.48	34.40	27.04		.946	0.39

STATION 105.70 (Interpolated Values at Standard Depths)

CREST: 29°30' 118°55'; March 25, 1953; 1844 GCT; wire angle: 18°; sounding: 1800 fms; depth of observation: 626 m; weather: cloudy; sea: rough; wind: 330°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.18	33.35	24.68		.000	5.49
10	15.18	33.37	24.70		.033	5.45
20	15.17	33.41	24.73		.065	5.60
30	15.17	33.38	24.71		.097	5.64
50	15.14	33.38	24.71		.163	5.64
75	14.96	33.38	24.75		.243	5.60
100	11.51	33.22	25.32		.317	5.09
150	9.61	33.67	26.00		.436	3.65
200	8.79	33.99	26.38		.529	2.97
250	8.32	34.11	26.55		.610	2.21
300	7.64	34.14	26.67		.684	1.52
400	6.87	34.21	26.84		.819	0.72
500	6.29	34.30	26.98		.941	0.39
600	5.61	34.36	27.12		1.050	0.31

STATION 105.80 (Interpolated Values at Standard Depths)

CREST: 29°09' 119°34'; March 25, 1953; 2350 GCT; wire angle: 18°; sounding: 2000+ fms; depth of observation: 606 m; weather: cloudy; sea: rough; wind: 15°, force 4.

0	15.00	33.30	24.68		.000	5.72
10	15.02	33.29	24.67		.033	5.73
20	14.90	33.27	24.68		.066	5.63
30	14.84	33.22	24.66		.098	5.68
50	14.90	33.31	24.71		.164	5.66
75	13.48	33.19	24.92		.243	5.81
100	12.16	33.19	25.18		.317	5.50
150	9.61	33.43	25.81		.443	3.99
200	8.64	33.85	26.30		.543	3.13
250	8.60	34.02	26.43		.628	2.34
300	8.30	34.21	26.63		.706	1.81
400	7.01	34.22	26.82		.844	0.92
500	6.37	34.39	27.04		.964	0.46
600	5.63	34.47	27.20		1.066	0.82

STATION 110.33 (Interpolated Values at Standard Depths)

CREST: 29°50' 115°52'; March 23, 1953; 2313 GCT; wire angle: 18°; sounding: 47 fms; depth of observation: 73 m; weather: partly cloudy; sea: rough; wind: 300°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.78	33.39	25.01		.000	5.87
10	13.20	33.42	25.15		.029	5.96
20	11.69	33.54	25.53		.055	4.70
30	10.98	33.51	25.64		.079	4.07
50	11.42	33.73	25.73		.126	4.01
75	(10.50)	(33.95)	(26.07)		(.179)	(2.38)

STATION 110.35 (Interpolated Values at Standard Depths)

CREST: 29°47' 116°00'; March 23, 1953; 2130 GCT; wire angle: 25°; sounding: 650 fms; depth of observation: 515 m; weather: clear; sea: rough; wind: 5°, force 3.

0	14.41	33.35	24.85	.000	5.76
10	14.00	33.37	24.95	.031	5.80
20	13.79	33.36	24.98	.061	5.80
30	13.63	33.36	25.02	.090	5.77
50	12.17	33.33	25.28	.147	4.99
75	10.77	33.54	25.70	.210	3.90
100	10.39	33.83	25.99	.264	2.70
150	10.57	34.38	26.39	.357	1.09
200	10.37	34.44	26.47	.440	0.76
250	9.81	34.51	26.62	.517	0.61
300	9.19	34.51	26.72	.589	0.52
400	8.10	34.45	26.85	.722	0.34
500	6.96	34.43	27.00	.844	0.26

STATION 110.40 (Interpolated Values at Standard Depths)

CREST: 29°36' 116°18'; March 23, 1953; 1849 GCT; wire angle: 5°; sounding: 1550 fms; depth of observation: 589 m; weather: fog; sea: moderate; wind: 360°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.59	33.28	24.76		.000	5.67
10	14.50	33.32	24.81		.032	5.73
20	14.50	33.37	24.84		.063	5.74
30	14.50	33.33	24.81		.094	5.73
50	14.38	33.34	24.85		.157	5.70
75	13.40	33.38	25.08		.233	5.71
100	11.11	33.22	25.39		.302	4.70
150	10.00	33.94	26.15		.415	2.83
200	10.01	34.31	26.43		.504	1.60
250	9.50	34.41	26.60		.583	1.21
300	8.81	34.38	26.68		.656	0.90
400	7.51	34.36	26.86		.790	0.65
500	6.73	34.39	27.00		.910	0.34
600	(5.96)	(34.39)	(27.10)		(1.020)	-

STATION 110.50 (Interpolated Values at Standard Depths)

CREST: 29°20' 116°58'; March 23, 1953; 1403 GCT; wire angle: 16°; sounding: 1550 fms; depth of observation: 1140 m; weather: clear; sea: moderate; wind: 360°, force 4.

0	15.19	33.49	24.79	.000	5.53
10	15.21	33.49	24.78	.032	5.62
20	15.19	33.47	24.77	.064	5.59
30	15.12	33.44	24.76	.095	5.55
50	15.01	33.41	24.77	.160	5.58
75	14.45	33.41	24.89	.238	5.48
100	11.53	33.31	25.39	.310	4.55
150	10.22	33.86	26.05	.425	2.92
200	9.66	34.10	26.33	.519	2.20
250	9.03	34.22	26.52	.602	1.79
300	8.61	34.32	26.67	.677	1.16
400	7.87	34.46	26.89	.811	0.46
500	6.60	34.35	26.98	.931	0.50
600	6.09	34.44	27.12	1.040	0.22
700	5.36	34.45	27.22	1.139	0.24
800	4.74	34.49	27.32	1.229	0.33
1000	4.12	34.53	27.42	1.389	0.53

STATION 110.60 (*Interpolated Values at Standard Depths*)

CREST: 28°56' 117°38'; March 23, 1953; 0905 GCT; wire angle: 7°; sounding: 2000+ fms; depth of observation: 581 m; weather: clear; sea: very rough; wind: 360°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.18	33.45	24.76		.000	5.59
10	15.20	33.51	24.80		.032	5.61
20	15.18	33.44	24.75		.064	5.59
30	15.19	33.52	24.81		.095	5.62
50	15.17	33.45	24.76		.159	5.60
75	15.12	33.43	24.76		.239	5.61
100	13.69	33.28	24.94		.315	5.41
150	10.50	33.77	25.93		.444	3.41
200	9.95	34.17	26.33		.541	1.72
250	9.36	34.23	26.48		.625	2.10
300	8.88	34.30	26.61		.702	1.38
400	7.92	34.40	26.84		.842	0.65
500	6.99	34.46	27.02		.963	0.30
600	(5.81)	(34.38)	(27.11)		(1.071)	-

STATION 110.70 (Interpolated Values at Standard Depths)

CREST: 28°36' 118°18'; March 22, 1953; 1153, 1250 GCT; wire angle: 16°, 25°; sounding: 1600 fms; depth of observation: 381, 1484 m; weather: clear; sea: very rough; wind: 360°, force 5.

0	15.62	33.48	24.69		.000	5.53
10	15.65	33.54	24.72		.032	5.56
20	15.65	33.53	24.72		.065	5.56
30	15.65	33.52	24.71		.097	5.52
50	15.66	33.58	24.75		.162	5.48
75	15.68	33.59	24.76		.242	5.51
100	14.14	33.54	25.05		.320	5.24
150	12.55	33.60	25.42		.458	4.00
200	11.30	34.40	26.27		.569	1.34
250	9.87	34.40	26.53		.653	1.15
300	8.77	34.38	26.69		.727	1.15
400	7.57	34.38	26.87		.861	0.63
500	6.66	34.39	27.01		.981	0.38
600	6.00	34.40	27.10		1.090	0.30
700	5.40	34.46	27.22		1.190	0.30
800	4.89	34.51	27.32		1.279	0.33
1000	4.08	34.58	27.47		1.436	0.57
1200	3.53	34.57	27.51		1.576	0.80
1500	(2.93)	(34.64)	(27.63)		(1.763)	-

STATION 113.30 (*Interpolated Values at Standard Depths*)

CREST: 29°22' 115°18'; March 21, 1953; 0959 GCT; wire angle: 10°; sounding: 27 fms; depth of observation: 30 m; weather: clear; sea: rough; wind: 340°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.88	33.71	25.44		.000	4.24
10	12.84	33.70	25.44		.026	4.23
20	12.56	33.70	25.49		.051	3.61
30	11.58	33.74	25.71		.075	1.92

STATION 113.35 (Interpolated Values at Standard Depths)

CREST: 29°14' 115°42'; March 21, 1953; 1245 GCT; wire angle: 32°; sounding: 550 fms; depth of observation: 286 m; weather: clear; sea: high; wind: 350°, force 6.

0	12.60	33.41	25.26	.000	5.63
10	12.62	33.46	25.30	.027	5.59
20	12.35	33.45	25.34	.054	5.40
30	12.18	33.52	25.43	.080	5.33
50	11.65	33.51	25.52	.130	4.06
75	10.50	33.71	25.88	.188	3.47
100	10.19	33.98	26.14	.239	2.79
150	11.15	34.51	26.39	.328	0.79
200	10.56	34.59	26.55	.409	0.70
250	10.09	34.59	26.64	.484	0.69

STATION 113.40 (Interpolated Values at Standard Depths)

CREST: 29°05' 116°00'; March 21, 1953; 1551 GCT; wire angle: 30°; sounding: 1050 fms; depth of observation: 552 m; weather: partly cloudy; sea: high; wind: 340°, force 6.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.23	33.46	24.97		.000	5.26
10	14.25	33.43	24.94		.030	5.66
20	14.24	33.41	24.93		.060	5.52
30	14.23	33.40	24.92		.091	5.46
50	13.30	33.39	25.11		.150	5.43
75	12.10	33.44	25.38		.219	4.84
100	10.96	33.64	25.74		.280	3.34
150	10.74	34.08	26.13		.385	2.02
200	10.19	34.37	26.45		.474	1.41
250	9.85	34.49	26.60		.553	0.65
300	9.16	34.50	26.72		.625	0.50
400	7.99	34.50	26.90		.756	0.32
500	7.06	34.47	27.01		.874	0.23

STATION 113.50 (Interpolated Values at Standard Depths)

CREST: 28°42' 116°37'; March 21, 1953; 2058 GCT; wire angle: 16°; sounding: 1900 fms; depth of observation: 561 m; weather: cloudy; sea: very high; wind: 360°, force 6.

0	14.64	33.37	24.81		.000	5.71
10	14.65	33.39	24.83		.031	5.77
20	14.63	33.43	24.86		.063	5.79
30	14.63	33.39	24.83		.094	5.71
50	14.31	33.37	24.88		.156	5.82
75	12.23	33.53	25.42		.227	4.05
100	10.87	33.70	25.81		.287	3.43
150	9.95	34.02	26.22		.388	2.51
200	9.48	34.16	26.40		.476	1.96
250	8.90	34.29	26.60		.555	1.41
300	8.79	34.37	26.68		.629	0.76
400	7.37	34.33	26.86		.763	0.54
500	6.51	34.28	26.94		.886	0.41

STATION 113.60 (Interpolated Values at Standard Depths)

CREST: 28°22' 117°16'; March 22, 1953; 0417 GCT; wire angle: 32°; sounding: 2000+ fms; depth of observation: 556 m; weather: cloudy; sea: high; wind: 360°, force 6.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.99	33.59	24.91		.000	5.60
10	15.01	33.50	24.83		.031	5.65
20	15.02	33.47	24.81		.062	5.65
30	15.01	33.51	24.84		.094	5.64
50	14.99	33.52	24.85		.156	5.62
75	12.15	33.47	25.39		.228	4.34
100	10.71	33.82	25.93		.287	2.80
150	10.13	33.96	26.14		.387	2.25
200	9.32	34.24	26.49		.475	1.89
250	8.60	34.30	26.65		.551	1.54
300	8.11	34.35	26.77		.620	0.97
400	7.22	34.35	26.90		.748	0.45
500	6.23	34.34	27.02		.865	0.31

STATION 117.26 (Interpolated Values at Standard Depths)

CREST: 28°56' 114°41'; March 21, 1953; 0159 GCT; wire angle: 14°; sounding: 40 fms; depth of observation: 48 m; weather: partly cloudy; sea: rough; wind: 320°, force 6.

0	14.20	33.63	25.11	.000	5.42
10	14.22	33.63	25.10	.029	5.47
20	13.46	33.66	25.28	.057	4.36
30	12.49	33.67	25.48	.083	3.21

STATION 117.30 (Interpolated Values at Standard Depths)

CREST: 28°48' 114°56'; March 20, 1953; 2352 GCT; wire angle: 8°; sounding: 48 fms: depth of observation: 74 m; weather: partly cloudy; sea: rough; wind: 330°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	13.90	33.66	25.19		.000	5.57
10	13.88	33.71	25.24		.028	5.55
20	13.57	33.66	25.26		.055	5.31
30	13.13	33.62	25.32		.082	5.21
50	11.60	33.65	25.64		.132	3.56
75	(10.84)	(34.05)	(26.08)		(.186)	(2.10)

STATION 117.35 (Interpolated Values at Standard Depths)

CREST: 28°38' 115°16'; March 20, 1953; 2116 GCT; wire angle: 7°; sounding: 123 fms; depth of observation: 199 m; weather: partly cloudy; sea: very rough; wind: 320°, force 4.

0	14.21	33.61	25.09		.000	5.79
10	14.16	33.60	25.09		.029	5.89
20	14.01	33.59	25.12		.058	5.73
30	13.95	33.58	25.12		.086	5.72
50	13.91	33.61	25.15		.143	5.80
75	11.88	33.86	25.75		.207	3.11
100	11.42	34.26	26.14		.259	1.62
150	10.95	34.42	26.35		.350	0.80
200	(10.41)	(34.48)	(26.50)		(.432)	(0.84)

STATION 117.40 (Interpolated Values at Standard Depths)

CREST: 28°28' 115°36'; March 20, 1953; 1806 GCT; wire angle: 5°; sounding: 500 fms; depth of observation: 635 m; weather: partly cloudy; sea: rough; wind: 340°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.17	33.62	24.89		.000	5.70
10	15.17	33.58	24.86		.031	5.65
20	15.14	33.62	24.90		.062	5.67
30	14.32	33.59	25.05		.092	5.55
50	12.49	33.60	25.43		.147	4.19
75	10.91	33.81	25.89		.206	3.15
100	11.18	33.90	25.91		.259	2.20
150	10.61	34.36	26.37		.355	1.31
200	10.59	34.56	26.53		.436	0.75
250	10.08	34.54	26.60		.513	0.60
300	9.43	34.51	26.68		.586	0.50
400	8.29	34.46	26.83		.722	0.40
500	7.07	34.42	26.97		.846	0.28
600	6.23	34.40	27.07		.959	0.22

STATION 117.50 (Interpolated Values at Standard Depths)

CREST: 28°08' 116°15'; March 20, 1953; 0604 GCT; wire angle: 22°; sounding: 2000+ fms; depth of observation: 603 m; weather: partly cloudy; sea: very rough; wind: 360°, force 5.

0	15.41	33.53	24.77		.000	5.63
10	15.42	33.51	24.75		.032	5.66
20	15.40	33.51	24.76		.064	5.65
30	15.26	33.46	24.75		.096	5.24
50	14.65	33.55	24.95		.158	5.58
75	12.50	33.55	25.39		.229	3.99
100	11.10	33.89	25.91		.288	3.10
150	9.71	34.12	26.33		.384	2.50
200	9.30	34.29	26.53		.466	1.82
250	8.74	34.31	26.64		.541	1.49
300	8.35	34.42	26.79		.611	0.91
400	7.74	34.40	26.86		.740	0.48
500	6.74	34.39	27.00		.861	0.39
600	6.06	34.49	27.16		.968	0.32

STATION 117.60 (Interpolated Values at Standard Depths)

CREST: 27°48' 116°54'; March 20, 1953; 0037 GCT; wire angle: 20°; sounding: 2000 fms; depth of observation: 609 m; weather: partly cloudy; sea: very rough; wind: 80°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.04	33.43	24.77		.000	5.67
10	15.02	33.42	24.77		.032	5.74
20	14.95	33.41	24.78		.064	5.60
30	14.91	33.45	24.82		.095	5.60
50	14.35	33.38	24.88		.158	5.61
75	13.60	33.34	25.01		.234	5.49
100	11.86	33.60	25.55		.302	3.60
150	10.44	33.91	26.05		.413	2.70
200	9.68	34.19	26.39		.506	1.92
250	9.09	34.23	26.52		.587	1.50
300	8.19	34.23	26.66		.662	1.20
400	7.16	34.34	26.90		.795	0.57
500	6.28	34.36	27.03		.912	0.32
600	5.62	34.40	27.15		1.017	0.32

STATION 120.25 (Interpolated Values at Standard Depths)

CREST: 28°23' 114°14'; March 18, 1953; 1059 GCT; wire angle: 0°; sounding: 36 fms; depth of observation: 50 m; weather: overcast; sea: moderate; wind: 360°, force 3.

0	14.82	33.63	24.98	.000	5.63
10	14.84	33.64	24.98	.030	5.58
20	14.82	33.55	24.91	.060	5.02
30	14.76	33.68	25.03	.090	5.54
50	12.80	33.60	25.37	.146	3.15

STATION 120.30 (Interpolated Values at Standard Depths)

CREST: 28°13' 114°34'; March 18, 1953; 1332 GCT; wire angle: 10°; sounding: 50 fms; depth of observation: 74 m; weather: overcast; sea: rough; wind: 30°, force 6.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.90	33.58	24.92		.000	5.48
10	14.90	33.55	24.90		.031	5.48
20	14.90	33.59	24.93		.061	5.70
30	14.90	33.59	24.93		.092	5.48
50	14.10	33.53	25.05		.151	5.98
75	(11.82)	(33.66)	(25.60)		(.218)	(3.08)

STATION 120.35 (Interpolated Values at Standard Depths)

CREST: 28°03' 114°54'; March 18, 1953; 1628 GCT; wire angle: 5°; sounding: 47 fms; depth of observation: 75 m; weather: clear; sea: rough; wind: 20°, force 5.

0	14.90	33.55	24.90	.000	5.54
10	14.92	33.55	24.89	.031	5.69
20	14.88	33.56	24.91	.061	5.73
30	14.88	33.55	24.90	.092	5.60
50	14.80	33.59	24.95	.153	5.50
75	12.56	33.56	25.38	.224	3.12

STATION 120.45 (Interpolated Values at Standard Depths)

CREST: 27°43' 115°33'; March 19, 1953; 1025, 1055 GCT; wire angle: 30°, 42°; sounding: 1200 fms; depth of observation: 354, 1016 m; weather: cloudy; sea: rough; wind: 10°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.86	33.56	24.91		.000	5.43
10	14.87	33.64	24.97		.030	5.59
20	14.86	33.66	24.99		.060	5.61
30	14.86	33.66	24.99		.090	5.62
50	14.85	33.60	24.95		.150	5.60
75	12.89	33.60	25.35		.221	4.37
100	11.43	33.76	25.75		.283	3.01
150	11.09	34.31	26.24		.385	1.40
200	10.57	34.42	26.42		.472	0.96
250	10.29	34.57	26.59		.551	0.51
300	9.91	34.57	26.65		.626	0.36
400	8.43	34.47	26.81		.765	0.38
500	7.38	34.48	26.98		.889	0.25
600	6.46	34.45	27.08		1.001	0.25
700	5.69	34.45	27.18		1.105	0.26
800	5.13	34.48	27.27		1.199	0.29
1000	4.33	34.52	27.39		1.369	0.46

STATION 120.50 (Interpolated Values at Standard Depths)

CREST: 27°34' 115°50'; March 19, 1953; 1357 GCT; wire angle: 20°; sounding: 2050 fms; depth of observation: 603 m.; weather: partly cloudy; sea: rough; wind: 30°, force 5.

0	15.31	33.45	24.73	.000	5.64
10	15.33	33.46	24.73	.032	5.58
20	15.31	33.45	24.73	.064	5.61
30	15.32	33.46	24.74	.097	5.62
50	15.18	33.53	24.82	.161	5.57
75	14.81	33.61	24.96	.238	5.53
100	12.62	33.55	25.37	.309	3.82
150	11.22	33.99	25.97	.427	2.32
200	9.41	34.05	26.33	.522	2.50
250	8.90	34.23	26.55	.604	2.17
300	8.40	34.27	26.66	.679	1.07
400	7.60	34.39	26.87	.813	0.42
500	6.93	34.42	26.99	.934	0.22
600	6.18	34.45	27.12	1.043	0.24

STATION 120.60 (Interpolated Values at Standard Depths)

CREST: 27°10' 116°32'; March 19, 1953; 1907 GCT; wire angle: 20°; sounding: 2050 fms; depth of observation: 1210 m; weather: partly cloudy; sea: rough; wind: 220°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.92	33.63	24.73		.000	5.62
10	15.90	33.55	24.68		.032	5.55
20	15.89	33.54	24.67		.065	5.50
30	15.88	33.54	24.67		.098	5.49
50	15.83	33.54	24.68		.164	5.55
75	14.08	33.45	24.99		.242	5.53
100	11.68	33.36	25.40		.312	4.71
150	10.34	33.82	25.99		.429	2.70
200	9.71	34.19	26.39		.522	1.86
250	8.72	34.19	26.55		.603	1.68
300	8.28	34.29	26.70		.677	1.08
400	7.50	34.35	26.86		.811	0.43
500	6.63	34.36	26.99		.932	0.35
600	5.82	34.38	27.11		1.042	0.25
700	5.27	34.38	27.17		1.143	0.28
800	4.82	34.40	27.24		1.238	0.36
1000	4.10	34.51	27.41		1.408	0.59
1200	3.59	34.49	27.44		1.559	0.74

STATION 123.37 (Interpolated Values at Standard Depths)

CREST: 27°24' 114°40'; March 18, 1953; 0126 GCT; wire angle:10°; sounding: 40 fms; depth of observation: 49 m; weather: clear; sea: rough; wind: 330°, force 5.

0	13.63	33.76	25.33	.000	4.85
10	13.61	33.76	25.33	.027	4.80
20	13.08	33.80	25.47	.052	4.11
30	12.40	33.75	25.56	.077	3.21

STATION 123.40 (Interpolated Values at Standard Depths)

CREST: 27°18' 114°52'; March 17, 1953; 2350 GCT; wire angle: 15°; sounding: 80 fms; depth of observation: 97 m; weather: clear; sea: rough; wind: 340°, force 6.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.38	33.65	25.08		.000	5.59
10	14.33	33.65	25.10		.029	5.62
20	14.17	33.64	25.12		.057	5.35
30	12.60	33.51	25.34		.085	4.15
50	11.90	33.74	25.65		.135	3.08
75	11.61	34.00	25.91		.191	2.45
100	(11.54)	(34.41)	(26.24)		(.240)	(0.90)

STATION 123.50 (Interpolated Values at Standard Depths)

CREST: 26°58' 115°32'; March 17, 1953; 1758 GCT; wire angle: 16°; sounding: 2000+ fms; depth of observation: 618 m; weather: partly cloudy; sea: very rough; wind: 360°. force 5.

0	15.61	33.65	24.82	.000	5.60
10	15.62	33.65	24.82	.031	5.65
20	15.61	33.60	24.78	.063	5.54
30	15.60	33.64	24.81	.095	5.67
50	15.26	33.62	24.87	.157	5.45
75	13.50	33.63	25.25	.230	3.92
100	11.32	33.67	25.70	.294	3.48
150	11.48	34.31	26.17	.399	1.42
200	10.85	34.48	26.42	.488	0.79
250	10.22	34.57	26.60	.567	0.62
300	9.58	34.55	26.69	.640	0.42
400	8.38	34.47	26.82	.777	0.28
500	7.09	34.41	26.96	.901	0.29
600	6.28	34.43	27.09	1.013	0.21

STATION 123.60 (Interpolated Values at Standard Depths)

CREST: 26°39' 116°10'; March 17, 1953; 1149 GCT; wire angle: 21°; sounding: 2000+ fms; depth of observation: 598 m; weather: cloudy; sea: rough; wind: 340°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	16.46	33.90	24.82		.000	5.60
10	16.48	33.89	24.80		.031	5.53
20	16.48	33.88	24.80		.063	5.63
30	16.48	33.93	24.83		.095	5.59
50	16.50	33.81	24.74		.158	5.60
75	16.44	33.87	24.80		.238	5.53
100	12.50	33.63	25.45		.310	4.06
150	10.99	34.02	26.03		.425	2.35
200	10.12	34.24	26.36		.518	1.74
250	9.80	34.38	26.52		.600	0.93
300	9.19	34.45	26.68		.675	0.66
400	7.94	34.45	26.87		.810	0.42
500	7.05	34.40	26.96		.932	0.23
600	(6.24)	(34.42)	(27.09)		(1.044)	(0.20)

STATION 127.34 (Interpolated Values at Standard Depths)

CREST: 26°55' 114°06'; March 16, 1953; 0804 GCT; wire angle: 0°; sounding: 44 fms; depth of observation: 50 m; weather: clear; sea: moderate; wind: 140°, force 2.

0	15.05	33.82	25.07		.000	5.94
10	15.04	33.81	25.07		.029	5.94
20	15.04	33.88	25.12		.058	6.01
30	14.98	33.86	25.12		.086	5.82
50	12.82	33.63	25.39		.141	4.28

STATION 127.40 (Interpolated Values at Standard Depths)

CREST: 26°43' 114°28'; March 16, 1953; 1915 GCT; wire angle: 0°; sounding: 1800 fms; depth of observation: 592 m; weather: cloudy; sea: moderate; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.66	33.90	25.00		.000	5.74
10	15.62	33.87	24.98		.030	5.72
20	15.60	33.88	25.00		.060	5.76
30	15.54	33.87	25.00		.089	5.84
50	13.52	33.75	25.34		.146	4.35
75	12.48	33.92	25.68		.208	2.60
100	12.44	34.43	26.08		.262	1.30
150	11.78	34.58	26.32		.355	0.63
200	11.16	34.70	26.53		.437	0.46
250	10.44	34.65	26.62		.513	0.37
300	9.59	34.60	26.73		.585	0.58
400	8.21	34.51	26.88		.717	0.31
500	7.28	34.52	27.02		.836	0.22
600	6.39	(34.49)	(27.12)		(.944)	(0.17)

STATION 127.50 (Interpolated Values at Standard Depths)

CREST: 26°22' 115°06'; March 17, 1953; 0045 GCT; wire angle: 17°; sounding: 1600 fms; depth of observation: 568 m; weather: cloudy; sea: rough; wind: 340°, force 4.

0	17.10	34.00	24.74	.000	5.29
10	17.13	33.98	24.72	.032	5.50
20	17.10	34.02	24.76	.064	5.47
30	17.10	34.03	24.77	.096	5.44
50	17.06	34.02	24.77	.160	5.35
75	14.30	33.65	25.10	.237	5.78
100	11.90	33.63	25.56	.303	3.90
150	10.79	34.09	26.12	.413	2.17
200	10.66	34.43	26.41	.503	1.06
250	10.22	34.53	26.57	.583	0.59
300	9.65	34.55	26.68	.657	0.33
400	8.43	34.49	26.83	.794	0.25
500	7.47	34.57	27.03	.915	0.25

STATION 127.60 (Interpolated Values at Standard Depths)

CREST: 26°04' 115°46'; March 17, 1953; 0548, 0605 GCT; wire angle: 20°, 23°; sounding: 2000+ fms; depth of observation: 66, 562 m; weather: clear; sea: rough; wind: 350°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.11	33.99	24.73		.000	5.43
10	17.11	33.98	24.73		.032	5.39
20	17.11	34.01	24.75		.064	5.41
30	17.12	34.01	24.75		.097	5.44
50	17.11	34.01	24.75		.161	5.36
75	17.04	34.01	24.77		.241	5.37
100	13.00	33.53	25.28		.316	4.61
150	9.98	33.92	26.13		.432	2.96
200	9.66	34.36	26.53		.519	1.57
250	9.10	34.47	26.71		.592	1.04
300	8.77	34.46	26.75		.661	0.73
400	7.70	34.45	26.91		.790	0.40
500	6.64	34.46	27.06		.905	0.34

STATION 130.30 (Interpolated Values at Standard Depths)

CREST: 26°29' 113°29'; March 16, 1953; 0332 GCT; wire angle: 12°; sounding: 40 fms; depth of observation: 49 m; weather: clear; sea: moderate; wind: 300°, force 4.

0	16.02	33.94	24.95		.000	5.92
10	16.03	33.97	24.97		.030	5.62
20	15.79	33.95	25.01		.060	5.50
30	15.48	33.94	25.07		.089	5.06

STATION 130.35 (Interpolated Values at Standard Depths)

CREST: 26°19' 113°48'; March 16, 1953; 0023 GCT; wire angle: 10°; sounding: 180 fms; depth of observation: 289 m; weather: cloudy; sea: moderate; wind: 310°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.93	33.97	24.99		.000	5.34
10	15.79	33.93	24.99		.030	5.28
20	15.48	33.93	25.06		.059	5.26
30	15.26	33.93	25.11		.088	5.25
50	14.94	33.88	25.14		.145	4.80
75	12.92	34.19	25.80		.209	2.30
100	12.19	34.38	26.09		.261	1.34
150	11.68	34.56	26.33		.353	0.80
200	11.61	34.73	26.47		.437	0.36
250	10.76	34.64	26.56		.516	0.32

STATION 130.40 (Interpolated Values at Standard Depths)

CREST: 26°09' 114°07'; March 15, 1953; 2107 GCT; wire angle: 13°; sounding: 1250 fms; depth of observation: 1149 m; weather: cloudy; sea: moderate; wind: 320°, force 4.

0	16.58	34.01	24.87		.000	5.55
10	16.37	33.94	24.87		.031	5.53
20	16.35	33.92	24.86		.062	5.43
30	16.31	33.92	24.87		.093	5.30
50	16.16	34.01	24.97		.154	5.20
75	12.10	33.68	25.57		.222	3.42
100	11.72	34.12	25.98		.279	2.70
150	11.78	34.55	26.30		.374	0.72
200	11.03	34.64	26.51		.458	0.52
250	10.43	34.67	26.64		.534	0.31
300	9.50	34.55	26.70		.606	0.37
400	8.26	34.51	26.87		.739	0.23
500	7.17	34.55	27.06		.857	0.21
600	6.34	34.53	27.16		.961	0.20
700	5.72	34.52	27.23		1.058	0.20
800	5.20	34.54	27.31		1.149	0.20
1000	4.34	34.59	27.45		1.310	0.45

STATION 130.50 (Interpolated Values at Standard Depths)

CREST: 25°48' 114°45'; March 15, 1953; 1530 GCT; wire angle: 7°; sounding: 1900 fms; depth of observation: 636 m; weather: cloudy; sea: rough; wind: 340°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5 s$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.34	34.01	24.69		.000	5.32
10	17.35	34.01	24.69		.033	5.32
20	17.36	34.02	24.70		.065	5.27
30	17.35	34.01	24.69		.098	5.24
50	17.30	33.98	24.68		.163	5.40
75	14.50	33.66	25.07		.241	4.62
100	12.25	33.75	25.59		.308	3.26
150	11.28	34.35	26.24		.414	1.48
200	11.00	34.59	26.48		.500	0.51
250	10.34	34.61	26.61		.578	0.42
300	9.71	34.59	26.70		.650	0.33
400	8.21	34.52	26.89		.783	0.24
500	7.10	34.53	27.06		.900	0.20
600	6.27	34.51	27.15		1.005	0.15

STATION 130.60 (Interpolated Values at Standard Depths)

CREST: 25°29' 115°24'; March 15, 1953; 0833, 0925 GCT; wire angle: 20°, 30°; sounding: 2000+ fms; depth of observation: 372, 1139 m; weather: clear; sea: rough; wind: 340°, force 4.

0	17.30	33.95	24.66		.000	5.36
10	17.30	33.98	24.68		.033	5.41
20	17.30	33.98	24.68		.066	5.49
30	17.30	33.97	24.67		.098	5.49
50	17.30	33.87	24.60		.165	5.40
75	15.17	33.71	24.96		.245	5.01
100	12.12	33.66	25.55		.314	4.20
150	10.20	34.07	26.21		.421	2.76
200	10.08	34.27	26.39		.510	1.61
250	9.63	34.41	26.57		.590	1.00
300	9.16	34.49	26.71		.663	0.58
400	8.09	34.57	26.94		.793	0.25
500	7.00	34.47	27.02		.908	0.22
600	6.06	34.44	27.12		1.016	0.24
700	5.40	34.49	27.25		1.113	0.29
800	4.90	34.52	27.33		1.202	0.33
1000	4.14	34.56	27.44		1.360	0.51

STATION 133.25 (Interpolated Values at Standard Depths)

CREST: 26°03' 112°46'; March 14, 1953; 1113 GCT; wire angle: 13°; sounding: 45 fms; depth of observation: 73 m; weather: clear; sea: very rough; wind: 340°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	16.97	33.94	24.73		.000	5.34
10	16.98	33.94	24.73		.032	5.32
20	16.99	33.94	24.72		.065	5.33
30	16.95	33.96	24.75		.097	5.28
50	14.86	33.92	25.19		.157	4.30
75	13.36	33.81	25.42		.224	2.45

STATION 133.30 (Interpolated Values at Standard Depths)

CREST: 25°54' 113°08'; March 14, 1953; 1430 GCT; wire angle: 11°; sounding: 104 fms; depth of observation: 122 m; weather: cloudy; sea: rough; wind: 340°, force 5.

0	17.39	(33.98)	(24.66)		.000	5.27
10	17.41	33.99	24.66		.033	5.13
20	17.40	34.02	24.69		.066	5.32
30	17.39	34.01	24.68		.098	5.32
50	17.23	33.97	24.69		.164	5.24
75	14.40	33.97	25.33		.238	3.10
100	13.05	34.15	25.74		.300	1.91

STATION 133.40 (Interpolated Values at Standard Depths)

CREST: 25°30' 113°49'; March 14, 1953; 2012 GCT; wire angle: 9°; sounding: 1650 fms; depth of observation: 631 m; weather: cloudy; sea: rough; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.96	34.05	24.57		.000	5.27
10	17.86	34.05	24.60		.034	5.30
20	17.82	34.13	24.67		.067	5.32
30	17.82	34.12	24.66		.100	5.38
50	17.82	34.09	24.64		.166	5.25
75	13.90	33.81	25.31		.241	4.21
100	12.71	34.14	25.80		.303	2.20
150	11.49	34.44	26.27		.403	1.30
200	11.12	34.64	26.49		.488	0.49
250	10.67	34.69	26.61		.565	0.37
300	10.06	34.65	26.69		.638	0.29
400	8.51	34.59	26.89		.771	0.30
500	7.25	34.54	27.04		.889	0.28
600	6.46	34.53	27.14		.995	0.24

STATION 133.50 (Interpolated Values at Standard Depths)

CREST: 25°14' 114°24'; March 15, 1953; 0125 GCT; wire angle: 8°; sounding: 1850 fms; depth of observation: 630 m; weather: cloudy; sea: rough; wind: 330°, force 4.

0	17.38	34.03	24.70		.000	5.37
10	17.38	34.05	24.71		.032	5.24
20	17.16	34.03	24.75		.065	5.41
30	17.14	34.04	24.76		.097	5.40
50	17.12	34.03	24.76		.161	5.38
75	15.70	33.76	24.88		.240	4.85
100	11.90	33.67	25.60		.309	4.02
150	10.62	34.03	26.11		.418	2.51
200	9.70	34.32	26.49		.506	1.67
250	9.56	34.48	26.64		.583	0.91
300	9.20	34.52	26.73		.654	0.48
400	7.99	34.54	26.93		.783	0.24
500	7.14	34.55	27.07		.897	0.19
600	6.38	34.53	27.15		1.001	0.20

STATION 137.23 (Interpolated Values at Standard Depths)

CREST: 25° 36' 112°20'; March 14, 1953; 0628 GCT; wire angle: 6°; sounding: 43 fms; depth of observation: 50 m; weather: clear; sea: rough; wind: 310°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.00	33.98	24.75		.000	5.39
10	17.01	33.99	24.76		.032	5.35
20	17.01	33.99	24.76		.064	5.36
30	17.00	34.02	24.78		.096	5.18
50	15.58	34.00	25.09		.157	3.11

STATION 137.30 (Interpolated Values at Standard Depths)

CREST: 25°22' 112°~~16~~46'; March 14, 1953; 0241 GCT; wire angle: 19°; sounding: 170 fms; depth of observation: 170 m; weather: partly cloudy; sea: rough; wind: 320°, force 5.

0	17.37	34.11	24.76		.000	5.33
10	17.42	34.12	24.76		.032	5.35
20	17.42	34.12	24.76		.064	5.35
30	17.41	34.12	24.76		.096	5.20
50	16.10	34.10	25.05		.157	4.17
75	14.16	34.23	25.58		.224	1.75
100	13.31	34.35	25.85		.282	1.19
150	12.11	34.53	26.22		.383	0.48

STATION 137.40 (Interpolated Values at Standard Depths)

CREST: 25°01' 113°24'; March 13, 1953; 2052 GCT; wire angle: 23°; sounding: 1700 fms; depth of observation: 549 m; weather: cloudy; sea: rough; wind: 340°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.61	34.03	24.64		.000	5.26
10	17.62	34.01	24.63		.033	5.26
20	17.59	34.01	24.63		.066	5.31
30	17.53	34.02	24.66		.100	5.35
50	17.16	34.01	24.74		.165	5.28
75	13.85	33.72	25.25		.240	3.80
100	13.33	34.21	25.73		.303	1.60
150	12.28	34.58	26.23		.406	0.55
200	11.49	34.67	26.45		.493	0.36
250	10.86	34.71	26.59		.572	0.26
300	10.15	34.67	26.69		.645	0.20
400	8.61	34.49	26.80		.783	0.14
500	7.48	34.47	26.95		.909	0.18

STATION 137.50 (Interpolated Values at Standard Depths)

CREST: 24°40' 114°02'; March 13, 1953; 1411 GCT; wire angle: 23°; sounding: 1950 fms; depth of observation: 581 m; weather: cloudy; sea: rough; wind: 330°, force 5.

0	17.80	34.01	24.58		.000	5.26
10	17.82	34.00	24.57		.034	5.22
20	17.81	34.00	24.57		.068	5.18
30	17.80	34.00	24.58		.101	5.17
50	17.74	33.98	24.57		.169	5.21
75	15.95	33.68	24.76		.251	5.02
100	12.60	33.55	25.37		.325	4.00
150	10.93	34.21	26.19		.437	1.68
200	10.50	34.47	26.47		.524	0.85
300	9.25	34.47	26.68		.676	0.49
400	8.14	34.47	26.86		.811	0.23
500	7.15	34.45	26.99		.933	0.17
600	(6.36)	(34.43)	(27.08)		(1.045)	-

STATION 113.30 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 29°25' 115°19'; April 5, 1953; 1645 GCT; wire angle: 4°; sounding: 33 fms; depth of observation: 30 m; weather: overcast; sea: smooth; wind: 320°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.51	33.72	25.52		.000	4.64
10	12.45	33.69	25.51		.025	5.07
20	11.99	33.75	25.64		.049	3.36
30	11.54	33.80	25.76		.072	2.47

STATION 113.35 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 29°16' 115°42'; April 5, 1953; 1409, 1421 GCT; wire angle: 5°, 5°; sounding: 470 fms; depth of observation: 612 m; weather: overcast; sea: slight; wind: 200°, force 1.

0	12.87	33.45	25.24		.000	6.34
10	12.79	33.54	25.32		.027	6.45
20	12.62	33.55	25.37		.053	6.30
30	12.10	33.63	25.53		.079	4.32
50	10.40	33.65	25.85		.125	3.41
75	10.47	33.86	26.00		.178	2.49
100	11.04	34.23	26.19		.226	1.57
150	10.83	34.40	26.36		.316	1.00
200	10.27	34.48	26.52		.397	0.72
250	9.76	34.46	26.59		.474	0.53
300	9.31	34.43	26.64		.549	0.63
400	8.22	34.42	26.81		.688	0.43
500	7.11	34.35	26.91		.815	0.47
600	6.26	34.36	27.04		.933	0.36

STATION 113.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 29°06' 116°01'; April 5, 1953; 1034, 1051 GCT; wire angle: 18°, 20°; sounding: 1000 fms; depth of observation: 33, 578 m; weather: overcast; sea: moderate; wind: 280°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.87	33.41	24.80		.000	6.41
10	14.88	33.40	24.79		.032	5.40
20	14.86	33.36	24.76		.064	4.94
30	14.87	33.36	24.76		.096	5.67
50	14.87	33.38	24.77		.160	5.93
75	12.80	33.15	25.02		.237	5.68
100	10.53	33.34	25.59		.304	4.31
150	9.65	33.96	26.22		.411	2.45
200	9.25	34.16	26.44		.498	1.73
250	9.25	34.32	26.57		.577	1.07
300	8.51	34.30	26.67		.651	1.00
400	7.63	34.26	26.77		.790	0.57
500	6.65	34.25	26.90		.920	0.44

STATION 113.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°42' 116°38'; April 5, 1953; 0408, 0417 GCT; wire angle: 9°, 9°; sounding: 1150 fms; depth of observation: 607 m; weather: cloudy; sea: moderate; wind: 330°, force 2.

0	15.00	33.43	24.78		.000	5.89
10	15.07	33.40	24.74		.032	5.86
20	14.96	33.34	24.72		.064	5.92
30	14.68	33.33	24.77		.096	6.00
50	13.80	33.36	24.98		.158	6.13
75	12.88	33.30	25.12		.231	5.66
100	11.25	33.52	25.60		.298	4.00
150	11.04	34.10	26.09		.407	2.34
200	11.03	34.37	26.30		.501	0.92
250	11.39	34.58	26.40		.588	0.62
300	9.98	34.64	26.69		.666	0.41
400	8.52	34.60	26.90		.799	0.31
500	7.32	34.52	27.02		.918	0.31
600	6.48	-	-		-	0.22

STATION 113.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°23' 117°20'; April 4, 1953; 2221 GCT; wire angle: 6°; sounding: 1975 fms; depth of observation: 609 m; weather: cloudy; sea: moderate; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.65	33.56				
10	15.60	33.57				
20a	15.36	33.60				
300	7.97	34.25				
400	6.93	34.27				
500	6.24	34.34				
600	5.74	34.40				

STATION 113.70 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°02' 117°56'; April 4, 1953; 1643 GCT; wire angle: 15°; sounding: 1900 fms; depth of observation: 594 m; weather: cloudy; sea: moderate; wind: 320°, force 3.

0	15.54	33.57	24.77	.000	5.97
10	15.52	33.55	24.76	.032	5.88
20	15.42	33.55	24.78	.064	5.55
30	15.20	33.50	24.79	.096	5.90
50	14.08	33.48	25.02	.157	5.84
75	11.50	33.58	25.60	.224	3.90
100	10.74	33.69	25.82	.282	3.42
150	10.10	34.09	26.24	.382	2.35
200	9.26	34.23	26.49	.467	1.83
250	8.83	34.30	26.62	.544	1.32
300	8.39	34.42	26.78	.614	0.92
400	7.63	34.44	26.91	.742	0.42
500	6.51	34.43	27.06	.857	0.30
600	(5.68)	(34.39)	(27.13)	(.962)	(0.29)

a. Data not interpolated from this depth to 300-m level because depth of pretrip could not be determined.

STATION 117.26 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°57' 114°42'; April 3, 1953; 1112 GCT; wire angle: 6°; sounding: 40 fms; depth of observation: 50 m; weather: overcast; sea: moderate; wind: 280°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.20	33.60	25.08		.000	6.39
10	14.20	33.59	25.08		.029	6.53
20	14.18	33.61	25.10		.058	6.17
30	11.78	33.69	25.63		.084	3.04
50	11.04	33.89	25.92		.129	2.10

STATION 117.30 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°48' 114°56'; April 3, 1953; 1343 GCT; wire angle: 4°; sounding: 60 fms; depth of observation: 75 m; weather: overcast; sea: moderate; wind: 310°, force 2.

0	14.86	33.55	24.91		.000	6.49
10	14.86	33.54	24.90		.031	6.51
20	14.12	33.55	25.06		.061	6.57
30	13.80	33.58	25.15		.089	6.92
50	12.96	33.57	25.31		.144	5.11
75	11.54	34.00	25.92		.204	2.01

STATION 117.35 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°38' 115°17'; April 3, 1953; 1625 GCT; wire angle: 18°; sounding: 160 fms; depth of observation: 247 m; weather: overcast; sea: moderate; wind: 310°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.41	33.55	25.00		.000	6.58
10	14.38	33.65	25.08		.029	6.46
20	13.80	33.72	25.26		.057	4.75
30	11.61	33.80	25.75		.082	4.00
50	10.56	33.96	26.06		.124	2.51
75	11.17	34.16	26.11		.173	1.80
100	10.80	34.33	26.31		.219	1.49
150	10.27	34.44	26.49		.302	0.90
200	9.99	34.55	26.62		.379	0.54
250	(9.49)	(34.48)	(26.65)		(.451)	(0.51)

STATION 117.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°29' 115°35'; April 3, 1953; 1916 GCT; wire angle: 15°; sounding: 550 fms; depth of observation: 569 m; weather: overcast; sea: slight; wind: 340°, force 1.

0	14.03	33.36	24.93		.000	6.13
10	13.77	33.32	24.96		.030	6.20
20	13.56	33.37	25.04		.060	6.19
30	13.21	33.34	25.09		.089	6.17
50	11.30	33.23	25.37		.144	5.02
75	10.85	33.52	25.67		.206	3.99
100	10.04	33.72	25.97		.262	3.09
150	9.70	34.11	26.33		.357	2.27
200	9.45	34.40	26.60		.437	0.78
250	9.47	34.53	26.69		.510	0.60
300	8.97	34.49	26.74		.579	0.58
400	7.97	34.46	26.88		.710	0.38
500	7.07	34.45	27.00		.830	0.39

STATION 117.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°09' 116°15'; April 4, 1953; 0045 GCT; wire angle: 9°; sounding: 2100 fms; depth of observation: 661 m; weather: cloudy; sea: moderate; wind: 320°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.22	33.43	24.73		.000	6.08
10	14.69	33.39	24.82		.032	6.02
20	14.57	33.40	24.85		.063	6.10
30	14.33	33.38	24.89		.094	6.00
50	14.02	33.42	24.98		.155	5.97
75	11.90	33.34	25.34		.226	4.80
100	10.60	33.61	25.79		.287	3.80
150	10.31	34.22	26.31		.387	1.50
200	10.31	34.53	26.55		.469	0.89
250	9.87	34.60	26.68		.543	0.32
300	9.23	34.57	26.76		.612	0.39
400	8.31	34.49	26.85		.744	0.30
500	7.23	34.46	26.98		.866	0.19
600	6.26	34.47	27.12		.976	0.20

STATION 117.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 27°48' 116°54'; April 4, 1953; 0623 GCT; wire angle: 2°; sounding: 1940 fms; depth of observation: 607 m; weather: overcast; sea: moderate; wind: 320°, force 1.

0	15.64	33.44	24.65		.000	5.76
10	15.48	33.46	24.70		.033	5.78
20	15.41	33.45	24.71		.065	5.76
30	15.40	33.47	24.73		.098	5.84
50	15.31	33.42	24.71		.163	5.75
75	13.90	33.19	24.83		.243	5.82
100	11.98	33.37	25.35		.315	4.95
150	10.01	33.87	26.09		.431	3.10
200	9.45	34.13	26.38		.522	2.18
250	8.63	34.21	26.58		.602	1.70
300	8.09	34.24	26.68		.675	1.15
400	7.17	34.33	26.89		.808	0.53
500	6.24	34.40	27.07		.923	0.39
600	5.63	34.41	27.15		1.027	0.30

STATION 117.70 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 27°28' 117°32'; April 4, 1953; 1133 GCT; wire angle: 12°; sounding: 1930 fms; depth of observation: 594 m; weather: overcast; sea: slight; wind: 300°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.52	33.42	24.66		.000	5.75
10	15.54	33.41	24.65		.033	5.84
20	15.45	33.41	24.67		.066	5.92
30	15.35	33.40	24.68		.099	5.91
50	15.32	33.41	24.70		.164	6.11
75	14.30	33.29	24.82		.244	5.96
100	12.40	33.40	25.29		.318	5.25
150	10.19	33.74	25.96		.438	3.78
200	8.89	34.02	26.39		.532	3.15
250	8.36	34.11	26.54		.613	2.41
300	8.04	34.22	26.68		.687	1.44
400	7.14	34.32	26.89		.820	0.62
500	6.39	34.38	27.03		.937	0.33
600	(5.70)	(34.39)	(27.13)		(1.044)	(0.30)

STATION 120.25 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°23' 114°15'; April 3, 1953; 0638 GCT; wire angle: 6°; sounding: 34 fms; depth of observation: 30 m; weather: overcast; sea: moderate; wind: 320°, force 2.

0	14.81	33.60	24.95	.000	5.95
10	14.82	33.56	24.92	.030	6.02
20	14.82	33.58	24.94	.061	5.27
30	14.42	33.58	25.02	.091	5.73

STATION 120.30 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°10' 114°33'; April 3, 1953; 0342 GCT; wire angle: 8°; sounding: 45 fms; depth of observation: 50 m; weather: overcast; sea: moderate; wind: 340°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.13	33.59	25.09		.000	6.40
10	14.15	33.55	25.06		.029	6.36
20	14.06	33.54	25.07		.058	6.22
30	13.82	33.54	25.12		.087	6.07
50	12.12	33.45	25.38		.142	4.86

STATION 120.35 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 28°03' 114°54'; April 3, 1953; 0059 GCT; wire angle: 4°; sounding: 42 fms; depth of observation: 50 m; weather: cloudy; sea: moderate; wind: 340°, force 3.

0	14.90	33.61	24.94		.000	6.56
10	14.50	33.62	25.04		.030	6.83
20	14.04	33.57	25.09		.059	5.92
30	13.47	33.55	25.20		.087	5.49
50	12.44	33.48	25.35		.142	5.24

STATION 120.45 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 27°43' 115°32'; April 2, 1953; 1432 GCT; wire angle: 18°; sounding: 1400 fms; depth of observation: 594 m; weather: overcast; sea: moderate; wind: 300°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.79	33.56	24.93		.000	6.48
10	14.82	33.60	24.95		.030	6.53
20	14.82	33.60	24.95		.060	6.56
30	14.82	33.61	24.96		.091	6.50
50	14.13	33.55	25.06		.150	5.76
75	11.77	33.67	25.62		.216	3.34
100	10.60	33.88	26.00		.272	2.58
150	11.12	34.44	26.34		.366	0.93
200	10.81	34.53	26.46		.450	0.53
250	10.20	34.55	26.59		.528	0.51
300	9.53	34.44	26.61		.603	0.38
400	8.31	34.42	26.79		.745	0.44
500	7.08	34.33	26.90		.874	0.48
600	(6.20)	(34.36)	(27.04)		(.991)	(0.30)

STATION 120.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 27°32' 115°51'; April 2, 1953; 1053 GCT; wire angle: 13°; sounding: 2050 fms; depth of observation: 1210 m; weather: overcast; sea: moderate; wind: 330°, force 1.

0	15.46	33.43	24.68		.000	5.80
10	15.50	33.41	24.66		.033	6.03
20	15.49	33.45	24.69		.066	5.93
30	15.47	33.45	24.70		.098	5.80
50	15.43	33.43	24.69		.164	5.80
75	13.39	33.35	25.06		.241	5.40
100	11.50	33.44	25.49		.309	4.46
150	10.80	33.98	26.04		.423	2.21
200	9.41	34.07	26.34		.516	2.35
250	8.89	34.20	26.53		.599	1.53
300	8.41	34.24	26.64		.674	1.09
400	7.63	34.31	26.81		.813	0.55
500	6.80	34.29	26.91		.940	0.34
600	6.17	34.35	27.04		1.057	0.20
700	5.57	34.38	27.14		1.164	0.29
800	5.06	34.39	27.21		1.263	0.38
1000	4.18	34.39	27.30		1.446	0.48
1200	3.60	34.47	27.43		1.609	0.73

STATION 120.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 27°16' 116°32'; April 2, 1953; 0536 GCT; wire angle: 9°; sounding: 2015 fms; depth of observation: 612 m; weather: cloudy; sea: moderate; wind: 320°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.75	33.54	24.70		.000	5.87
10	15.63	33.49	24.69		.033	5.76
20	15.52	33.49	24.71		.065	5.97
30	15.52	33.49	24.71		.098	5.87
50	15.50	33.49	24.72		.163	5.83
75	13.73	33.48	25.09		.239	5.37
100	11.76	33.50	25.49		.307	4.51
150	9.68	33.80	26.09		.419	3.71
200	9.62	34.25	26.45		.509	1.93
250	8.97	34.28	26.58		.588	1.50
300	8.37	34.30	26.69		.661	1.26
400	7.48	34.34	26.85		.795	0.48
500	6.53	34.40	27.03		.914	0.30
600	5.77	34.38	27.11		1.022	0.21

STATION 120.70 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°56' 117°13'; April 2, 1953; 0043 GCT; wire angle: 17°; sounding: 2150 fms; depth of observation: 1186 m; weather: cloudy; sea: moderate; wind: 340°, force 2.

0	16.76	33.67	24.57		.000	5.80
10	16.25	33.69	24.70		.033	5.73
20	16.20	33.67	24.70		.066	5.71
30	16.20	33.66	24.69		.098	5.66
50	16.23	33.66	24.69		.164	5.57
75	16.20	33.68	24.71		.246	5.86
100	13.17	33.52	25.23		.321	4.26
150	11.01	33.94	25.97		.442	2.38
200	9.39	34.11	26.38		.537	2.63
250	8.89	34.24	26.56		.617	1.79
300	8.16	34.23	26.67		.691	1.34
400	7.37	34.37	26.89		.825	0.60
500	6.41	34.39	27.04		.942	0.33
600	5.70	34.39	27.13		1.048	0.35
700	5.14	34.45	27.24		1.144	0.33
800	4.74	34.48	27.31		1.233	0.38
1000	4.13	34.50	27.40		1.397	0.52

STATION 120.80 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°33' 118°02'; April 1, 1953; 1923 GCT; wire angle: 6°; sounding: 1600 fms; depth of observation: 606 m; weather: cloudy; sea: moderate; wind: 340°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	16.34	33.61	24.62		.000	5.87
10	16.05	33.61	24.69		.033	5.97
20	15.99	33.60	24.69		.066	5.86
30	15.96	33.61	24.71		.098	6.13
50	16.02	33.65	24.73		.163	6.16
75	15.62	33.59	24.77		.244	5.76
100	12.30	33.51	25.40		.317	4.81
150	11.50	34.10	26.00		.433	2.10
200	10.50	34.26	26.31		.528	1.76
250	9.90	34.45	26.56		.611	1.18
300	9.30	34.47	26.67		.685	0.64
400	7.97	34.52	26.92		.818	0.38
500	7.08	34.52	27.05		.933	0.23
600	6.08	34.46	27.14		1.039	0.23

STATION 120.90 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°13' 118°28'; April 1, 1953; 1435 GCT; wire angle: 10°; sounding: 2150 fms; depth of observation: 1205 m; weather: cloudy; sea: moderate; wind: 5°, force 1.

0	15.99	33.52	24.63		.000	5.01
10	16.02	33.50	24.61		.033	6.38
20	16.00	33.51	24.62		.067	5.99
30	15.99	33.54	24.65		.100	5.63
50	15.97	33.58	24.68		.166	5.60
75	14.70	33.47	24.88		.246	5.63
100	12.30	33.60	25.47		.316	4.74
150	10.73	33.98	26.05		.430	2.53
200	10.26	34.42	26.47		.520	1.40
250	9.62	34.46	26.61		.598	0.92
300	9.19	34.52	26.73		.669	0.54
400	7.73	34.49	26.93		.798	0.37
500	6.86	34.47	27.04		.913	0.34
600	6.04	34.49	27.17		1.018	0.21
700	5.31	34.54	27.30		1.111	0.28
800	4.76	34.57	27.38		1.194	0.39
1000	3.96	34.56	27.46		1.345	0.59
1200	3.51	34.58	27.52		1.483	0.80

STATION 123.37 (*Interpolated Values at Standard Depths*)

SPENCER F. BAIRD: 27°24' 114°40'; March 31, 1953; 1210 GCT; wire angle: 0°; sounding: 40 fms; depth of observation: 50 m; weather: partly cloudy; sea: slight; wind: 0°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	12.82	33.98	25.66		.000	4.32
10	12.81	33.99	25.67		.023	4.21
20	12.80	33.87	25.58		.047	4.37
30	12.69	34.00	25.70		.071	3.79
50	11.70	34.11	25.97		.114	1.94

STATION 123.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 27°18' 114°52'; March 31, 1953; 1440 GCT; wire angle: 21°; sounding: 340 fms; depth of observation: 473 m; weather: cloudy; sea: slight; wind: 340°, force 2.

0	14.69	33.63	25.00		.000	6.13
10	14.70	33.60	24.98		.030	6.12
20	14.68	33.62	25.00		.060	6.10
30	14.53	33.60	25.01		.089	5.61
50	12.19	33.56	25.46		.144	4.60
75	11.83	33.96	25.83		.204	2.57
100	10.88	34.06	26.09		.255	2.22
150	10.90	34.47	26.40		.346	0.92
200	10.31	34.57	26.58		.425	0.63
250	9.92	34.60	26.67		.499	0.55
300	9.24	34.55	26.75		.569	0.37
400	8.40	34.60	26.92		.698	0.22
500	(7.47)	(34.52)	(27.00)		(.816)	-

STATION 123.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°56' 115°30'; March 31, 1953; 2007 GCT; wire angle: 19°; sounding: 1750 fms; depth of observation: 620 m; weather: cloudy; sea: moderate; wind: 320°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.54	33.51	24.73		.000	5.86
10	15.42	33.60	24.82		.032	5.89
20	15.36	33.52	24.77		.063	5.96
30	15.35	33.55	24.80		.095	5.98
50	15.31	33.56	24.82		.158	5.88
75	14.63	33.55	24.95		.236	5.65
100	13.04	33.61	25.33		.307	4.66
150	11.19	34.10	26.06		.424	1.90
200	10.61	34.48	26.46		.514	0.90
250	10.16	34.55	26.59		.593	0.48
300	9.63	34.50	26.64		.667	0.34
400	8.20	34.47	26.85		.804	0.29
500	6.90	34.41	26.99		.926	0.19
600	6.07	34.45	27.13		1.035	0.18

STATION 123.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°40' 116°08'; April 1, 1953; 0146 GCT; wire angle: 14°; sounding: 2100 fms; depth of observation: 640 m; weather: cloudy; sea: moderate; wind: 320°, force 2.

0	16.17	33.73	24.75		.000	5.76
10	16.18	33.65	24.69		.032	5.69
20	16.10	33.67	24.72		.065	5.72
30	16.11	33.69	24.74		.097	5.70
50	16.12	33.68	24.73		.162	5.67
75	15.82	33.66	24.78		.242	5.46
100	12.55	33.59	25.41		.315	5.10
150	10.20	33.98	26.14		.428	3.12
200	9.48	34.16	26.40		.517	2.70
250	9.38	34.39	26.60		.597	2.09
300	9.07	34.45	26.70		.669	0.98
400	7.78	34.35	26.82		.805	0.52
500	6.77	34.40	27.00		.928	0.37
600	5.91	34.42	27.13		1.036	0.23

STATION 127.34 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°56' 114°06'; March 31, 1953; 0638 GCT; wire angle: 2°; sounding: 40 fms; depth of observation: 50 m; weather: partly cloudy; sea: moderate; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	14.26	33.76	25.19		.000	6.37
10	14.24	33.83	25.25		.028	6.41
20	14.26	33.84	25.26		.055	6.38
30	13.56	33.81	25.38		.082	5.32
50	11.74	33.89	25.80		.130	2.76

STATION 127.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°44' 114°27'; March 31, 1953; 0252 GCT; wire angle: 31°; sounding: 1550 fms; depth of observation: 548 m; weather: partly cloudy; sea: moderate; wind: 320°, force 4.

0	14.48	33.72	25.12		.000	6.57
10	14.50	33.75	25.14		.028	6.51
20	14.49	33.71	25.11		.057	6.27
30	13.76	33.73	25.28		.085	5.34
50	11.80	33.85	25.75		.135	2.90
75	11.71	34.08	25.95		.189	2.07
100	11.57	34.40	26.22		.238	1.14
150	11.42	34.60	26.41		.325	0.53
200	10.82	34.57	26.49		.407	0.44
250	10.07	34.59	26.64		.483	0.33
300	9.49	34.59	26.74		.554	0.29
400	8.30	34.51	26.86		.686	0.22
500	7.11	34.47	27.01		.807	0.18

STATION 127.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°29' 115°04'; March 30, 1953; 2107 GCT; wire angle: 24°; sounding: 2050 fms; depth of observation: 593 m; weather: cloudy; sea: rough; wind: 310°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	16.86	33.85	24.69		.000	5.72
10	16.84	33.83	24.67		.033	5.72
20	16.72	33.87	24.73		.065	5.73
30	16.63	33.83	24.72		.098	5.76
50	16.06	33.68	24.74		.162	6.00
75	13.30	33.54	25.22		.237	4.82
100	11.68	33.65	25.62		.302	3.50
150	10.98	34.21	26.18		.409	2.00
200	11.22	34.50	26.37		.499	0.81
250	10.31	34.53	26.55		.580	0.62
300	9.54	34.51	26.67		.655	0.56
400	8.18	34.52	26.89		.789	0.29
500	7.01	34.45	27.01		.908	0.35
600	(6.23)	(34.45)	(27.11)		(1.017)	(0.24)

STATION 127.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°02' 115°51'; March 30, 1953; 1422 GCT; wire angle: 22°; sounding: 2050 fms; depth of observation: 611 m; weather: overcast; sea: rough; wind: 320°, force 4.

0	17.14	33.91	24.67		.000	5.62
10	17.14	33.96	24.70		.033	5.61
20	17.11	33.90	24.66		.065	5.61
30	17.15	33.93	24.68		.098	5.59
50	17.17	33.91	24.66		.164	5.50
75	15.90	33.78	24.85		.245	5.43
100	11.81	33.50	25.48		.315	4.19
150	10.27	33.92	26.09		.428	2.68
200	9.77	34.17	26.36		.520	2.00
250	9.45	34.31	26.53		.602	1.11
300	9.24	34.40	26.63		.678	0.52
400	7.84	34.34	26.80		.818	0.41
500	6.88	34.38	26.97		.943	0.27
600	5.93	34.38	27.09		1.054	0.22

STATION 130.30 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°30' 113°30'; March 29, 1953; 1347 GCT; wire angle: 0°; sounding: 40 fms; depth of observation: 50 m; weather: cloudy; sea: moderate; wind: 45°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.98	33.90	24.93		.000	6.13
10	15.98	33.89	24.92		.030	6.15
20	14.90	33.88	25.15		.060	5.07
30	13.12	33.97	25.59		.086	2.66
50	12.68	34.24	25.89		.131	0.92

STATION 130.35 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°19' 113°48'; March 29, 1953; 1648 GCT; wire angle: 21°; sounding: 320 fms; depth of observation: 338 m; weather: overcast; sea: moderate; wind: 320°, force 2.

0	16.73	33.89	24.75	.000	5.91
10	16.73	33.90	24.75	.032	5.71
20	16.62	33.88	24.76	.064	5.20
30	16.29	33.82	24.79	.096	4.76
50	12.63	33.61	25.41	.154	4.31
75	11.90	33.95	25.81	.214	2.47
100	12.14	34.42	26.13	.265	1.18
150	11.39	34.53	26.36	.356	0.71
200	10.79	34.59	26.51	.438	0.47
250	10.37	34.60	26.60	.515	0.29
300	9.88	34.58	26.66	.589	0.34

STATION 130.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°09' 114°10'; March 29, 1953; 2019 GCT; wire angle: 19°; sounding: 1550 fms; depth of observation: 1233 m; weather: partly cloudy; sea: rough; wind: 310°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	16.07	33.82	24.84		.000	5.87
10	16.04	33.81	24.84		.031	5.90
20	15.93	33.81	24.87		.062	5.95
30	14.00	33.78	25.26		.091	5.90
50	12.78	33.66	25.42		.144	4.10
75	12.51	34.10	25.81		.204	2.26
100	11.41	34.30	26.18		.255	1.59
150	11.11	34.56	26.43		.343	0.77
200	10.67	34.60	26.54		.423	0.50
250	9.95	34.60	26.67		.497	0.30
300	9.39	34.55	26.72		.568	0.24
400	7.92	34.46	26.88		.700	0.31
500	7.02	34.39	26.96		.821	0.24
600	6.10	34.42	27.10		.933	0.19
700	5.44	34.46	27.22		1.033	0.19
800	4.98	34.49	27.30		1.124	0.20
1000	4.13	34.49	27.39		1.291	0.41
1200	3.55	34.54	27.49		1.440	0.68

STATION 130.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°46' 114°54'; March 30, 1953; 0205 GCT; wire angle: 26°; sounding: 2050 fms; depth of observation: 602 m; weather: partly cloudy; sea: rough; wind: 340°, force 4.

0	14.95	33.61	24.93		.000	6.43
10	14.96	33.59	24.91		.030	6.66
20	14.97	33.59	24.91		.061	6.49
30	14.96	33.63	24.95		.091	6.15
50	14.68	33.61	24.99		.152	5.76
75	14.44	33.60	25.03		.226	5.50
100	12.73	33.65	25.42		.295	4.19
150	11.64	34.24	26.09		.409	1.73
200	11.17	34.54	26.41		.500	0.66
250	10.39	34.55	26.55		.581	0.53
300	9.73	34.53	26.65		.656	0.39
400	8.19	34.47	26.85		.793	0.21
500	7.25	34.45	26.97		.916	0.20
600	6.35	34.43	27.08		1.028	0.20

STATION 130.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°30' 115°25'; March 30, 1953; 0824 GCT; wire angle: 21°; sounding: 2000 fms; depth of observation: 1206 m; weather: cloudy; sea: rough; wind: 320°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.40	33.96	24.64		.000	5.94
10	17.43	33.93	24.61		.033	5.50
20	17.42	33.94	24.62		.067	5.40
30	17.40	33.94	24.63		.100	5.44
50	17.43	33.96	24.63		.167	5.75
75	16.18	33.77	24.78		.248	5.44
100	12.31	33.52	25.40		.321	4.62
150	11.33	34.33	26.21		.432	1.36
200	10.49	34.39	26.41		.520	1.27
250	10.17	34.49	26.54		.601	0.63
300	9.25	34.44	26.66		.676	0.55
400	8.05	34.38	26.80		.814	0.30
500	6.95	34.39	26.97		.939	0.21
600	5.83	34.34	27.07		1.052	0.24
700	5.31	34.38	27.17		1.155	0.29
800	4.94	34.44	27.26		1.250	0.36
1000	4.20	34.49	27.38		1.421	0.39
1200	3.68	34.53	27.47		1.573	0.63

STATION 133.25 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 26°05' 112°51'; March 29, 1953; 0818 GCT; wire angle: 2°; sounding: 50 fms; depth of observation: 50 m; weather: cloudy; sea: moderate; wind: 320°, force 3.

0	16.48	33.95	24.85		.000	5.95
10	16.48	33.95	24.85		.031	5.64
20	16.48	33.94	24.84		.062	6.03
30	15.53	33.94	25.06		.092	4.88
50	15.48	33.94	25.07		.151	4.99

STATION 133.30 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°58' 113°04'; March 29, 1953; 0556 GCT; wire angle: 9°; sounding: 70 fms; depth of observation: 98 m; weather: overcast; sea: rough; wind: 320°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	16.77	33.91	24.75		.000	5.84
10	16.76	33.91	24.75		.032	5.92
20	15.54	33.82	24.96		.063	6.33
30	15.04	33.76	25.03		.093	5.67
50	13.92	33.75	25.26		.150	4.04
75	12.78	34.07	25.74		.212	2.30
100	(12.47)	(34.39)	(26.04)		(.266)	(1.07)

STATION 133.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°35' 113°44'; March 29, 1953; 0010 GCT; wire angle: 20°, sounding: 1275 fms; depth of observation: 605 m; weather: overcast; sea: rough; wind: 310°, force 4.

0	17.29	33.93	24.64		.000	5.87
10	17.31	33.94	24.65		.033	5.76
20	17.22	33.91	24.65		.066	5.74
30	16.89	33.87	24.69		.099	5.75
50	16.28	33.84	24.81		.163	5.83
75	13.44	33.68	25.30		.237	3.63
100	12.68	33.93	25.65		.300	2.31
150	11.81	34.51	26.26		.404	1.00
200	11.53	34.73	26.49		.489	0.34
250	10.80	34.71	26.61		.567	0.19
300	9.78	34.66	26.74		.639	0.18
400	8.21	34.56	26.92		.768	0.18
500	7.21	34.54	27.05		.884	0.22
600	6.44	34.53	27.15		.990	0.20

STATION 133.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°11' 114°27'; March 28, 1953; 1719 GCT; wire angle: 22°; sounding: 2000 fms; depth of observation: 618 m; weather: cloudy; sea: rough; wind: 320°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.85	34.03	24.59		.000	5.61
10	17.84	34.00	24.57		.034	5.55
20	17.75	34.04	24.62		.067	5.57
30	17.27	33.97	24.68		.100	5.69
50	16.94	33.95	24.74		.165	5.75
75	13.90	33.70	25.22		.240	4.41
100	11.91	33.68	25.60		.305	3.90
150	10.50	34.12	26.20		.412	2.34
200	9.88	34.22	26.38		.501	2.21
250	9.87	34.47	26.58		.581	0.82
300	9.51	34.57	26.72		.654	0.49
400	8.18	34.53	26.90		.786	0.27
500	7.23	34.55	27.05		.902	0.19

STATION 133.60 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 24°55' 115°01'; March 28, 1953; 1148 GCT; wire angle: 27°; sounding: 2150 fms; depth of observation: 499 m; weather: cloudy; sea: moderate; wind: 340°, force 3.

0	17.78	34.02	24.60		.000	5.52
10	17.79	33.98	24.56		.034	5.55
20	17.74	34.03	24.61		.067	5.60
30	17.60	34.05	24.66		.101	5.67
50	17.43	34.00	24.66		.167	5.66
75	16.00	33.82	24.86		.247	5.46
100	12.50	33.77	25.56		.317	3.49
150	11.33	34.18	26.10		.427	2.23
200	9.48	34.13	26.38		.518	2.70
250	9.70	34.43	26.58		.599	0.89
300	9.37	34.49	26.68		.673	0.44
400	8.03	34.46	26.87		.807	0.37
500	(6.89)	(34.46)	(27.03)		(.926)	(0.20)

STATION 137.23 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°34' 112°18'; March 27, 1953; 0937 GCT; wire angle: 0°; sounding: 40 fms; depth of observation: 50 m; weather: partly cloudy; sea: slight; wind: 270°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	17.22	33.93	24.66		.000	6.01
10	16.63	33.91	24.78		.032	5.86
20	16.02	33.99	24.99		.063	5.16
30	14.72	33.82	25.14		.092	4.05
50	13.76	34.13	25.58		.145	1.52

STATION 137.30 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 25°19' 112°44'; March 27, 1953; 1419 GCT; wire angle: 16°; sounding: 210 fms; depth of observation: 244 m; weather: partly cloudy; sea: moderate; wind: 310°, force 2.

0	17.66	33.95	24.57		.000	5.38
10	17.64	33.94	24.57		.034	5.80
20	17.41	33.96	24.64		.067	5.75
30	17.16	33.96	24.70		.100	5.59
50	16.70	33.95	24.80		.165	5.47
75	13.65	34.09	25.58		.235	2.20
100	13.00	34.30	25.87		.292	1.16
150	11.83	34.54	26.28		.391	0.37
200	11.19	34.66	26.50		.475	0.19
250	(10.80)	(34.66)	(26.57)		(.553)	(0.20)

STATION 137.40 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 24°58' 113°22'; March 27, 1953; 1944 GCT; wire angle: 14°; sounding: 1800 fms; depth of observation: 597 m; weather: partly cloudy; sea: rough; wind: 320°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	18.06	34.10	24.59		.000	6.01
10	17.92	34.10	24.62		.033	4.95
20	17.75	34.14	24.69		.066	5.56
30	17.36	34.13	24.78		.099	5.36
50	14.88	33.96	25.22		.158	3.84
75	13.63	34.15	25.63		.223	2.25
100	12.77	34.35	25.95		.279	1.13
150	11.94	34.60	26.31		.375	0.50
200	11.25	34.67	26.49		.459	0.30
250	10.61	34.66	26.60		.536	0.20
300	9.78	34.61	26.70		.609	0.19
400	8.52	34.60	26.90		.741	0.12
500	7.23	34.49	27.01		.860	0.18
600	(6.28)	(34.49)	(27.14)		(.968)	(0.17)

STATION 137.50 (Interpolated Values at Standard Depths)

SPENCER F. BAIRD: 24°37' 114°06'; March 28, 1953; 0138 GCT; wire angle: 14°; sounding: 2000 fms; depth of observation: 595 m; weather: partly cloudy; sea: moderate; wind: 330°, force 4.

0	18.46	34.04	24.44		.000	5.45
10	18.41	34.03	24.45		.035	5.34
20	17.90	33.98	24.54		.070	5.48
30	17.84	33.95	24.53		.104	5.44
50	17.73	33.99	24.58		.172	5.36
75	16.93	33.58	24.46		.258	5.37
100	12.55	33.57	25.39		.334	4.19
150	11.22	34.13	26.08		.449	1.90
200	10.88	34.47	26.40		.540	0.88
250	10.00	34.49	26.57		.620	0.67
300	9.40	34.49	26.67		.694	0.41
400	8.36	34.44	26.80		.833	0.22
500	7.42	34.45	26.95		.959	0.11
600	(6.41)	(34.43)	(27.07)		(1.073)	(0.16)

STATION 137.60 (*Interpolated Values at Standard Depths*)

SPENCER F. BAIRD: 24°20' 114°40'; March 28, 1953; 0634 GCT; wire angle: 14°; sounding: 2000 fms; depth of observation: 582 m; weather: cloudy; sea: rough; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	18.78	34.17	24.46		.000	5.90
10	18.78	34.19	24.48		.035	6.13
20	18.71	34.17	24.48		.069	5.46
30	18.54	34.21	24.55		.104	5.59
50	18.42	34.14	24.53		.172	5.44
75	17.80	34.04	24.61		.257	5.55
100	12.63	33.47	25.30		.333	4.70
150	10.71	33.96	26.04		.451	2.80
200	10.61	34.35	26.36		.544	1.16
250	10.23	34.47	26.52		.626	0.69
300	9.47	34.46	26.64		.703	0.56
400	8.24	34.44	26.82		.842	0.13
500	7.23	34.49	27.01		.964	0.12
600	(6.23)	(34.46)	(27.12)		(1.073)	-

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