Mr. W.S. Woos

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

Physical and Chemical Data
Cruise 35
Marine Life Research Program

5 March - 3 April 1952

Prepared by
Marine Life Research Program Division of Oceanography
Sponsored by
Marine Research Committee

Reference 52-36
15 July 1952

UNIVERSITY OF CALIFORNIA

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P H Y S I C A L A N D C H E M I C A L D A T A

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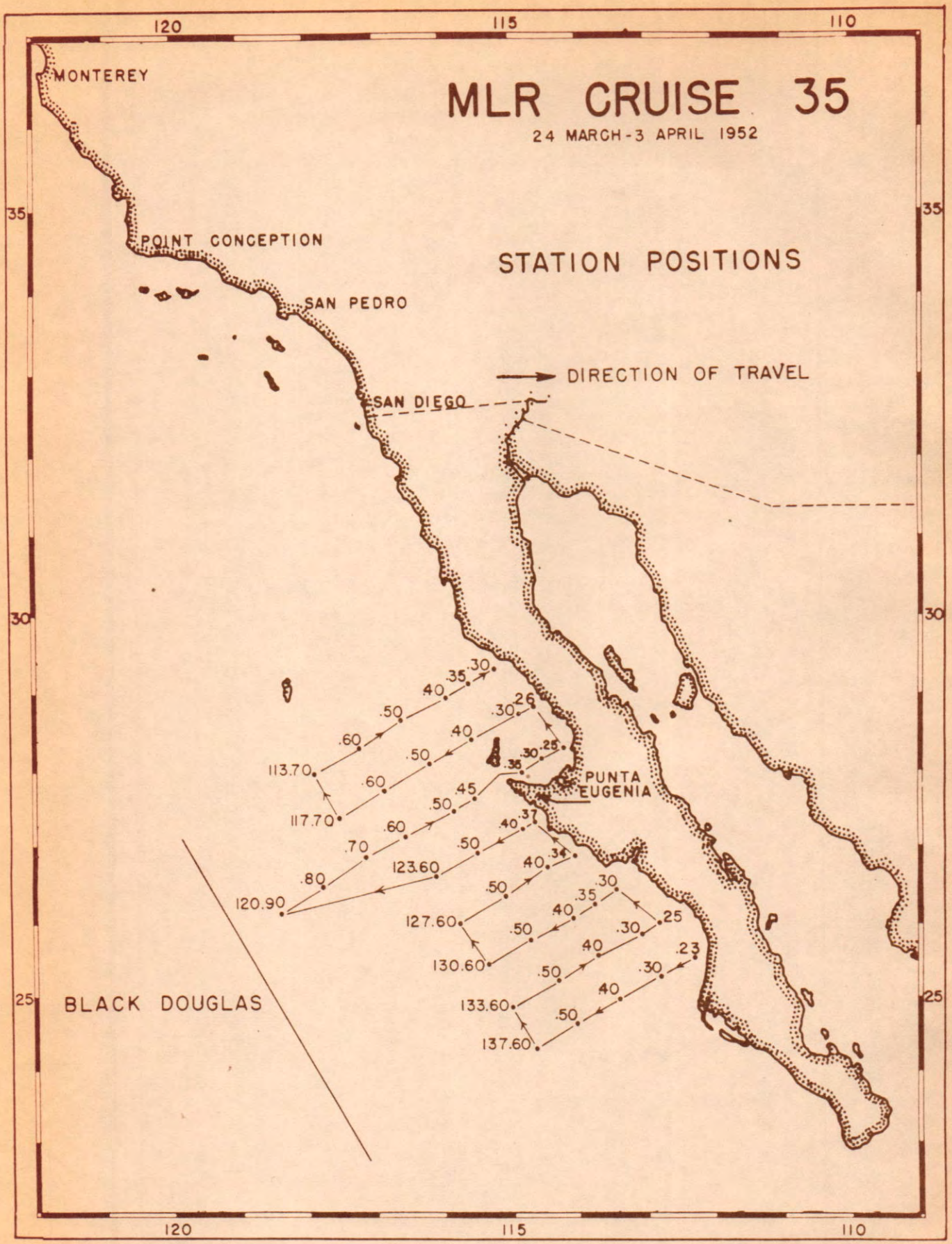
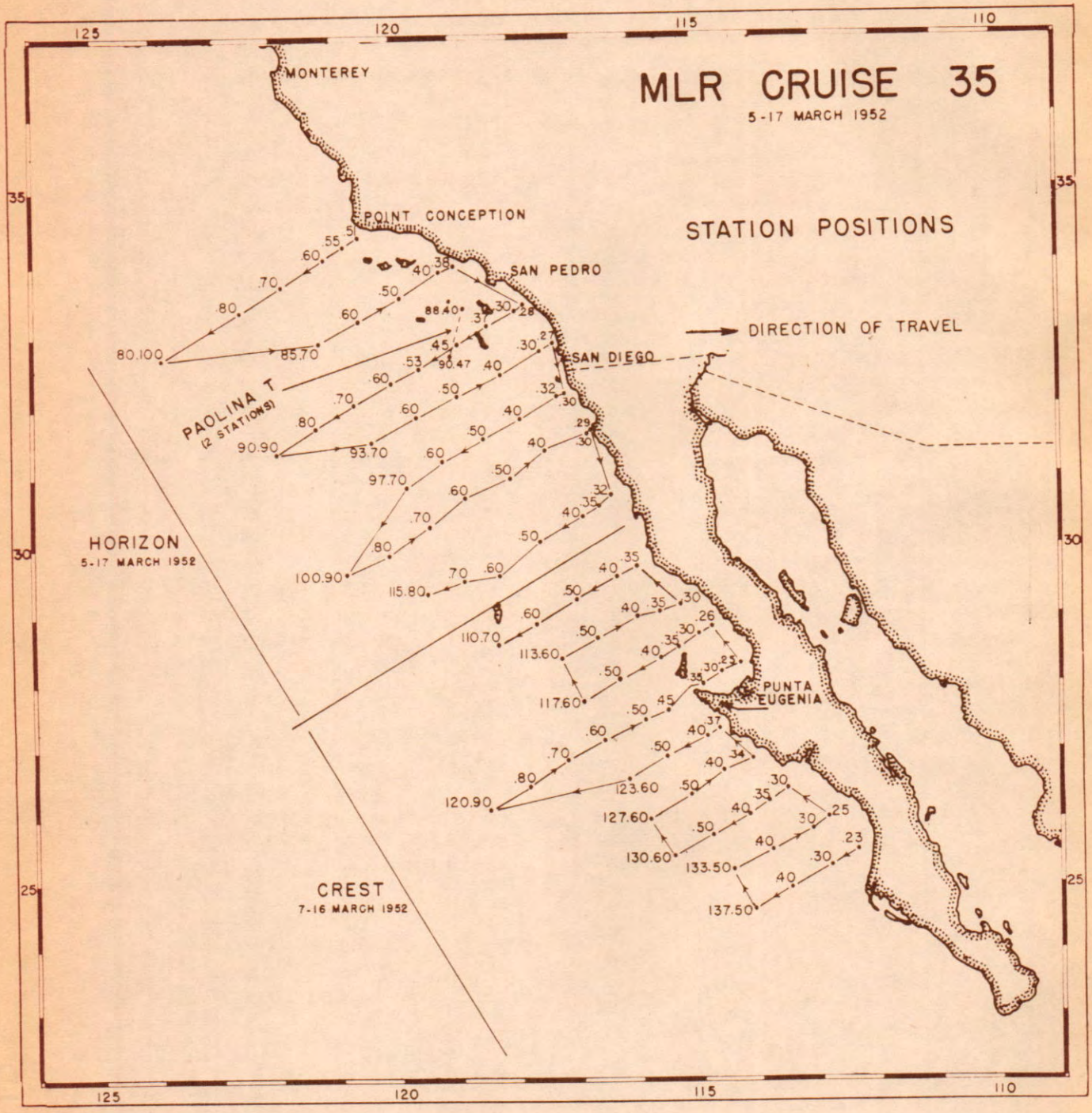

MLR CRUISE 35
24 MARCH-3 APRIL 1952
STATION POSITIONS
DIRECTION OF TRAVEL
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
BLACK DOUGLAS
120
115
110
35
30
25
113.70
117.70
120.90
123.60
127.60
130.60
133.60
137.60


MLR CRUISE 35
5-17 MARCH 1952
STATION POSITIONS
DIRECTION OF TRAVEL
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
PAOLINA T
(2 STATIONS)
HORIZON
5-17 MARCH 1952
CREST
7-16 MARCH 1952
80.100
85.70
90.90
93.70
97.70
100.90
115.80
110.70
113.60
117.60
120.90
123.60
127.60
130.60
133.50
137.50
88.40
90.47
125
120
115
110
35
30
25

INTRODUCTION

The data presented in this report were collected on the thirty-fifth full-scale cruise conducted in the Marine Life Research Program. The five ships participating were the MV BLACK DOUGLAS, of the U. S. Fish and Wildlife Service, and the MV CREST, the MV HORIZON, the MV PAOLINA-T and the MV E. W. SCRIPPS, of the Scripps Institution of Oceanography.

Data are presented in the form of values tabulated at standard depths and at observed depths and of charts of horizontal distributions. On the charts of horizontal distributions a circle is drawn around the station dot if the quantity is missing for that station. An "X" is drawn through the station dot if the value observed does not conform to the field and was not used in drawing the contours.

Bathythermographs were used to measure temperatures in the upper 100 meters on all casts which extended below 300 meters. Their results were checked on each cast by reversing thermometers at wire lengths of 10, 100 and (sometimes) 50 meters. When one of these thermometers reversed at exactly its proper standard depth the value of temperature at that level is tabulated to hundredths of a degree. If the temperature at a standard depth was read from the corrected bathythermograph slide, it is tabulated to tenths of a degree.

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 signify the depth to which each cast reached.

Because of Nansen bottle pre-tripping of some bottles on Stations 80.80, 80.100, 87.70, 90.45, 90.80, 90.90, 93.40, 93.60, 97.32, 97.50, 97.70, 100.40, 105.70, 105.80, 113.35 (BLACK DOUGLAS), 120.45, 130.50 and 137.40 (BLACK DOUGLAS AND CREST), it was difficult to ascertain depths of observations on those stations. In processing data given in this report and in all previous reports of this series an effort has been made to correct for pre-tripping whenever it has occurred.

The original data and the data as modified during various steps in processing are on file with the Division of Oceanography. Copies may be made available. The data are processed on the six standard forms of this division.

The presentation of data in these Physical and Chemical Data Reports does not constitute publication, and this information may be subject to modification as the program continues. Results of various phases of the investigations will be published in scientific journals for general distribution.

PERSONNEL

Roger R. Revelle, Director of Scripps Institution of Oceanography

Oceanographers

Horrer, Paul L., Assistant Research Oceanographer
Lewis, George J., Jr. Junior Research Oceanographer
Reid, Joseph L., Jr., Junior Research Oceanographer

Marine Superintendent

Stose, Clemens W.

Ships' Captains

Brandal, G., MV E. W. SCRIPPS
Davis, L. E., MV CREST
Ferris, N. L., MV HORIZON
Kandie, H. V., MV BLACK DOUGLAS
Newbegin, R. C., MV PAOLINA-T

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

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Haddow, Robert W., Senior Marine Technician, Scripps Institution
Ahlstrom, E. H., Marine Biologist
Ball, Orville P., Marine Biologist
Counts, Robert C., Marine Biologist

MV CREST

Worrall, Charles G., Senior Marine Technician
Coolidge, Richard N., Marine Technician
Herreshoff, Karl F., Laboratory Technician
McClendon, Robert I., Marine Technician
Messner, Gordon P., Marine Technician
Rippo, Anthony E., Meteorological Aid in charge of observations, U. S. Weather Bureau
DeLauney, James A., Meteorological Aid, U. S. Weather Bureau
Ruttenberg, Stanley, Research Assistant in Geophysics, UCLA

MV E. W. SCRIPPS

Horrer, Paul L., Assistant Research Oceanographer
Smith, Alan C., Senior Marine Technician
Gilkey, Robert W., Marine Technician
Larimore, Wayne H., Senior Laboratory Technician
Moyer, John S., Marine Technician
Oppenheimer, Carl H., Jr., Assistant Marine Biologist

MV HORIZON

Gossett, David A., Senior Marine Technician
Berkey, Max L., Jr., Marine Technician
Payne, Miles M., Marine Technician
Ratty, Donald K., Marine Technician
El Wardani, Sayed, Research Assistant
Anas, R. E., Marine Biologist, U. S. Fish and Wildlife Service

MV PAOLINA-T

Cunningham, Leonard M., Jr., Senior Marine Technician
Gilkey, Robert W., Marine Technician
Haddow, Robert W, Marine Technician

PERSONNEL PARTICIPATING IN PREPARATION OF DATA

Barney, Ruth M., Stenographer
Barstow, Mary C., Laboratory Technician
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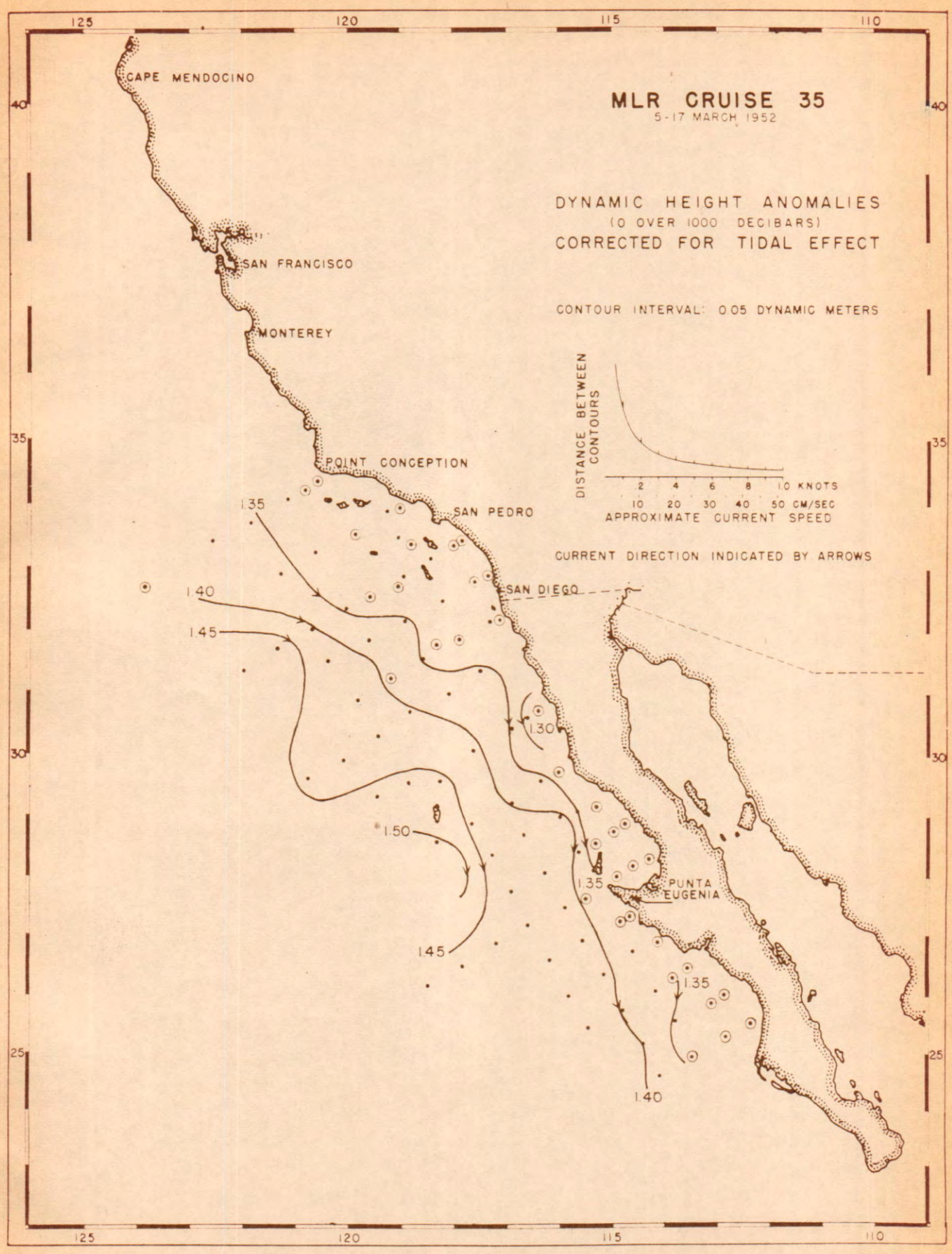
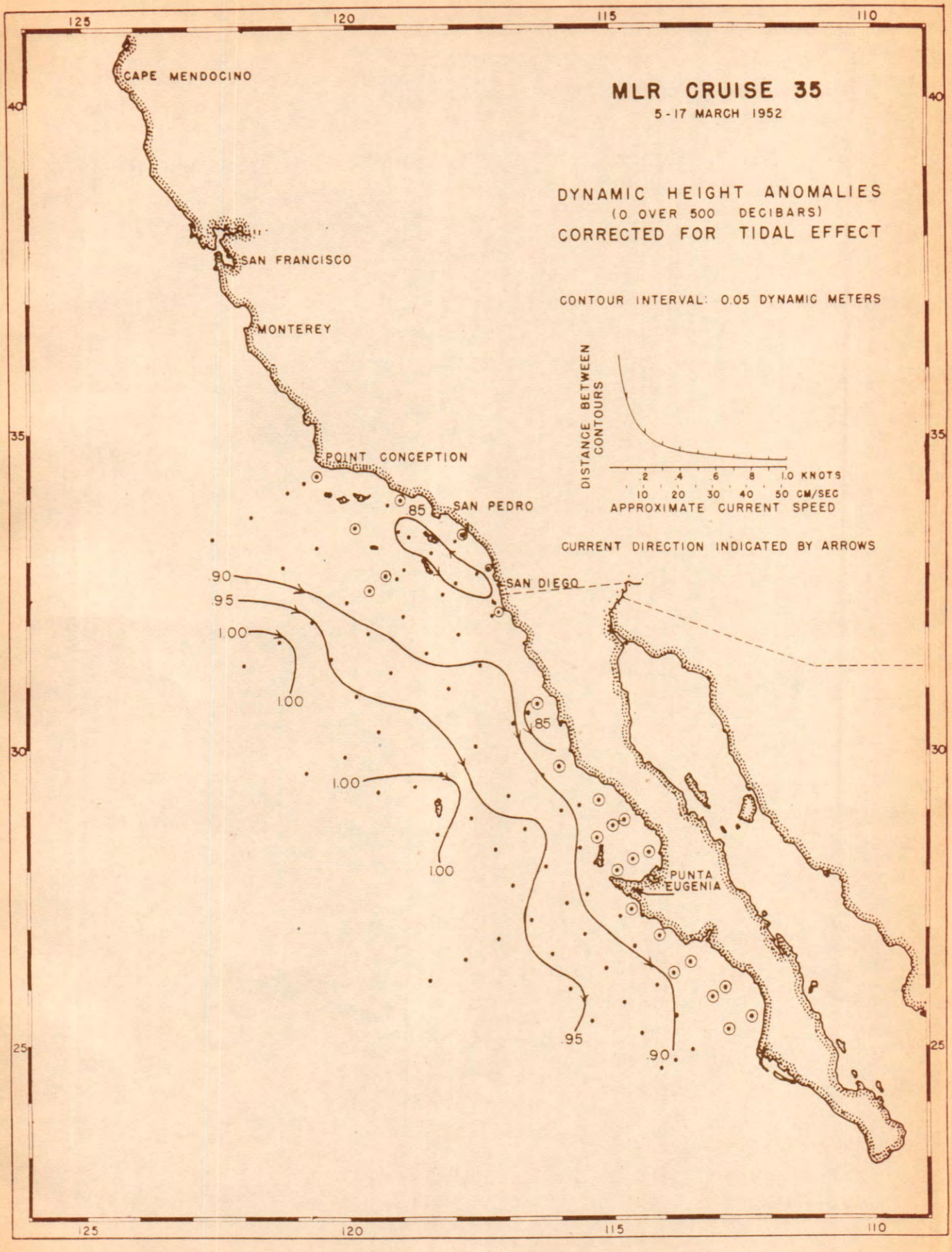
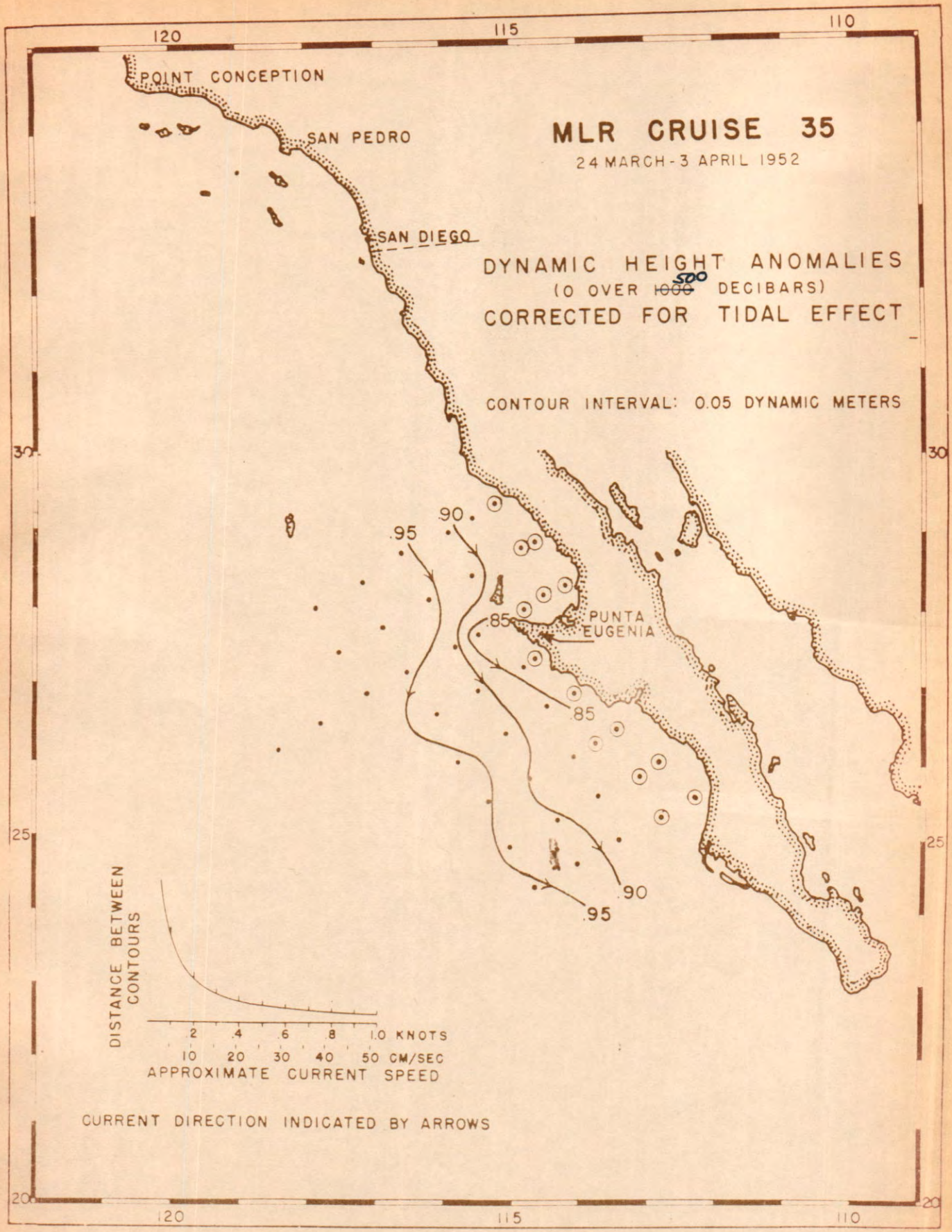
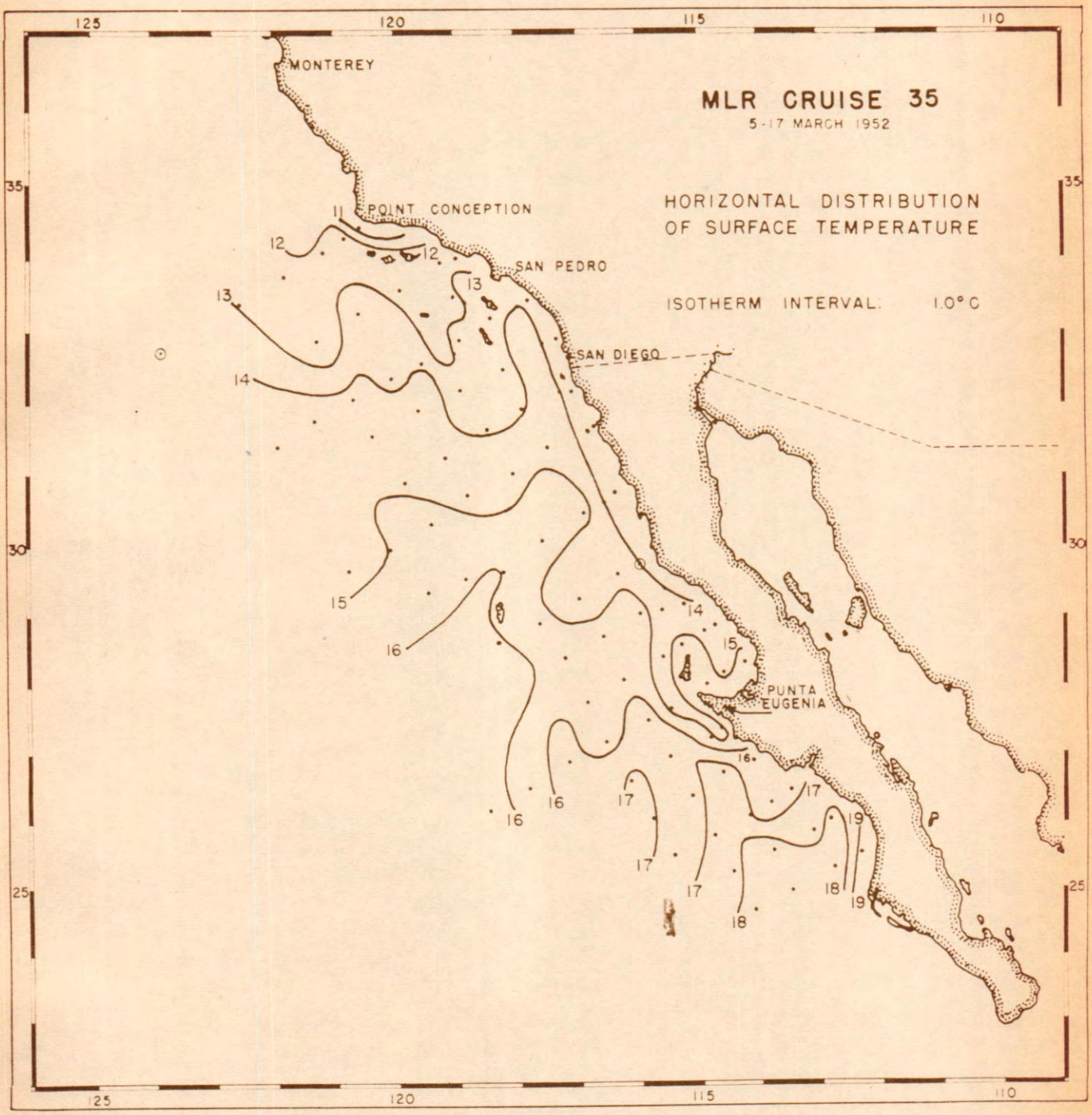
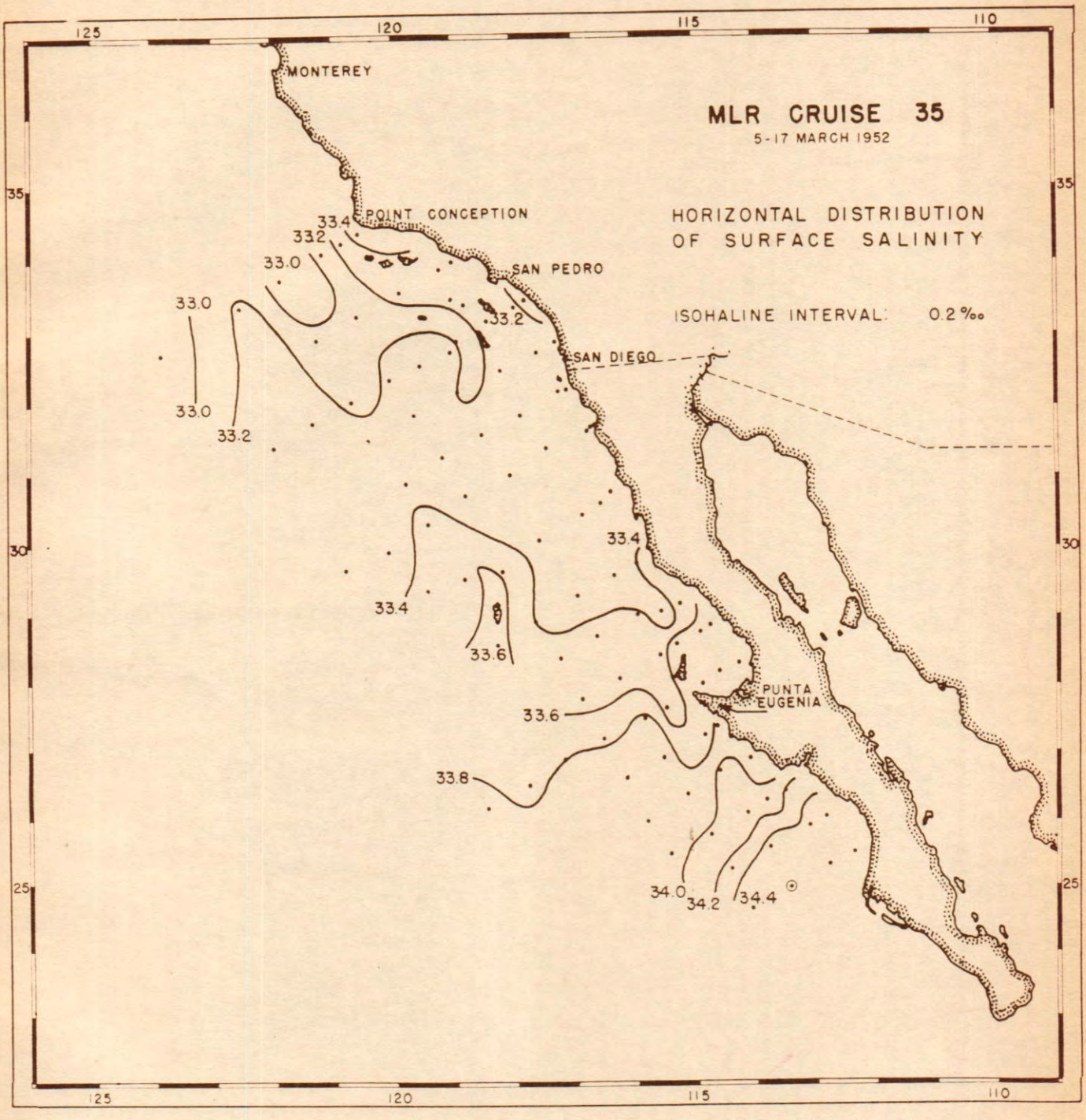
Brown, Curthie F., Engineering Aid
Browne, Geneva S., Engineering Aid
Coolidge, Richard N., Marine Technician
Cunningham, Leonard M., Jr., Senior Marine Technician
Doerr, William A., Marine Technician
Gilkey, Robert W., Marine Technician
Gossett, David A., Senior Marine Technician
Haddow, Robert W., Senior Marine Technician
Hanson, Robert E., Laboratory Technician
Haulman, Doris V., Engineering Aid
Hazelbaker, Bernard R., Engineering Aid
Howell, Robert W., Marine Technician
Hutchins, Dorsey M., Typist-Clerk
James, Lois L., Laboratory Technician
Kircher, Robert J., Marine Technician
Klein, Hans T., Principal Laboratory Technician
Larimore, Wayne H., Senior Laboratory Technician
La Rue, Doris K., Laboratory Technician
Love, Cuthbert M., Research Assistant
McClendon, Robert I., Marine Technician
McCoy, Willis M., Engineering Aid
Madden, Dorothy A., Laboratory Technician
Mao, Han-Lee, Research Assistant
Marquardt, Helen N., Typist-Clerk
Mead, Richard V., Principal Marine Technician
Metzger, June C., Typist-Clerk
Miller, Bernadette L., Engineering Aid
Moyer, John S., Marine Technician
Payne, Miles M., Marine Technician
Propsner, Ruth O., Engineering Aid
Ratty, Donald K., Marine Technician
Rogers, William F., Marine Technician
Schwartzlose, Richard A., Laboratory Technician
Smith, Alan C., Senior Marine Technician
Whitney, Alice D., Senior Engineering Aid
Wilburn, Virginia A., Principal Clerk
Wilkes, Frances C., Engineering Aid
Worrall, Charles G., Senior Marine Technician


MLR CRUISE 35
5-17 MARCH 1952
DYNAMIC HEIGHT ANOMALIES
(0 OVER 1000 DECIBARS)
CORRECTED FOR TIDAL EFFECT
CONTOUR INTERVAL: 0.05 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
2 4 6 8 1.0 KNOTS
10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CURRENT DIRECTION INDICATED BY ARROWS
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
1.35
1.40
1.45
1.30
1.50
1.35
1.45
1.35
1.40
125
120
115
110
40
35
30
25


MLR CRUISE 35
5-17 MARCH 1952
DYNAMIC HEIGHT ANOMALIES
(0 OVER 500 DECIBARS)
CORRECTED FOR TIDAL EFFECT
CONTOUR INTERVAL: 0.05 DYNAMIC METERS
DISTANCE BETWEEN CONTOURS
.2 .4 .6 .8 1.0 KNOTS
10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CURRENT DIRECTION INDICATED BY ARROWS
CAPE MENDOCINO
SAN FRANCISCO
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
.85
.90
.95
1.00
1.00
.85
1.00
1.00
.95
.90
125
120
115
110
40
35
30
25


120
115
110
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
MLR CRUISE 35
24 MARCH - 3 APRIL 1952
DYNAMIC HEIGHT ANOMALIES
(0 OVER ~~1000~~ 500 DECIBARS)
CORRECTED FOR TIDAL EFFECT
CONTOUR INTERVAL: 0.05 DYNAMIC METERS
30
25
20
.90
.95
.85
PUNTA EUGENIA
DISTANCE BETWEEN CONTOURS
.2 .4 .6 .8 1.0 KNOTS
10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CURRENT DIRECTION INDICATED BY ARROWS


MLR CRUISE 35
5-17 MARCH 1952
HORIZONTAL DISTRIBUTION
OF SURFACE TEMPERATURE
ISOTHERM INTERVAL: 1.0° C
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
125
120
115
110
35
30
25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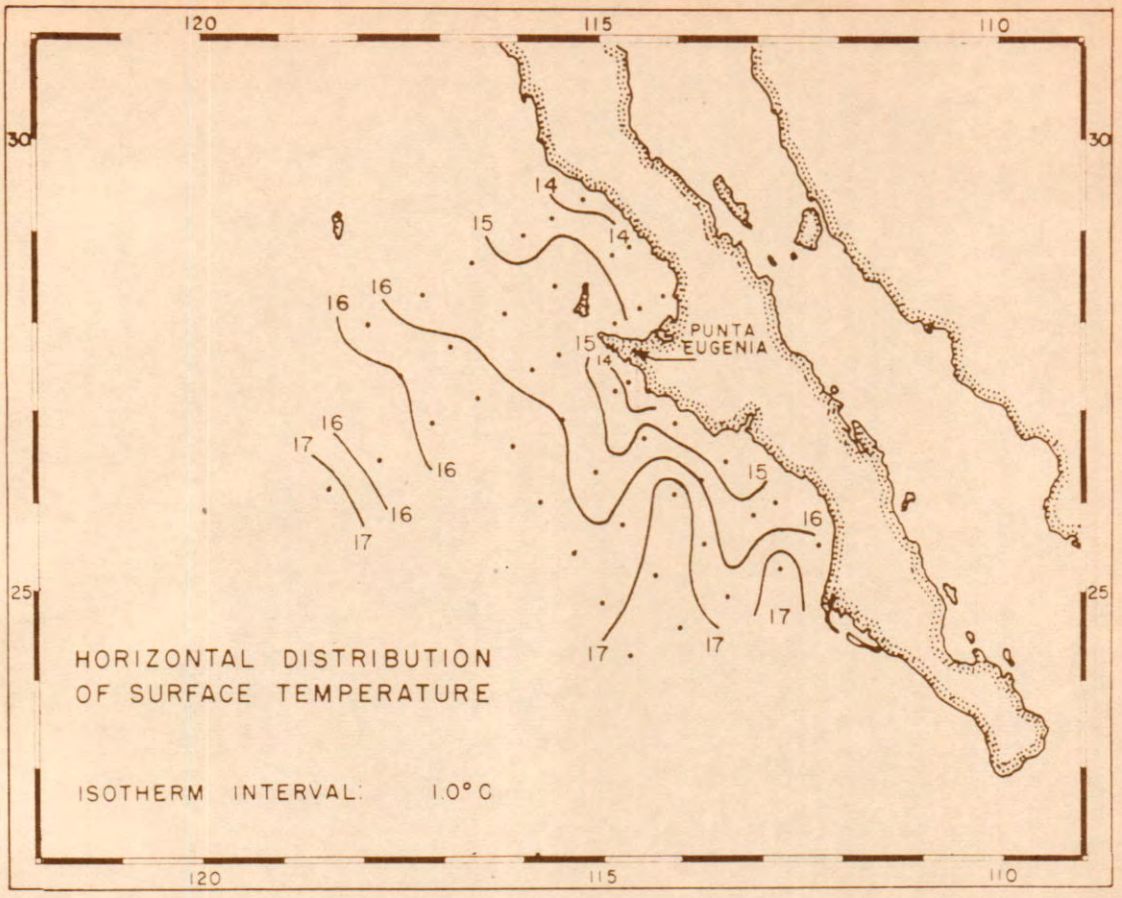
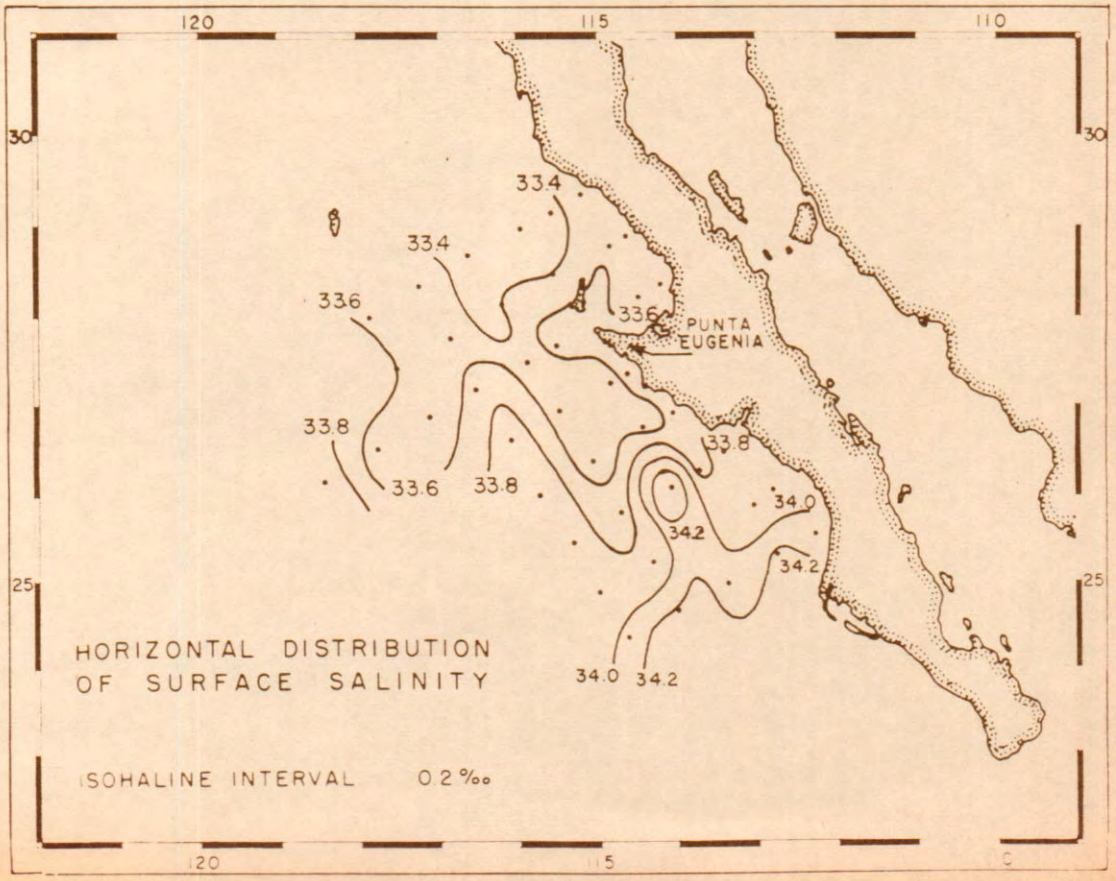
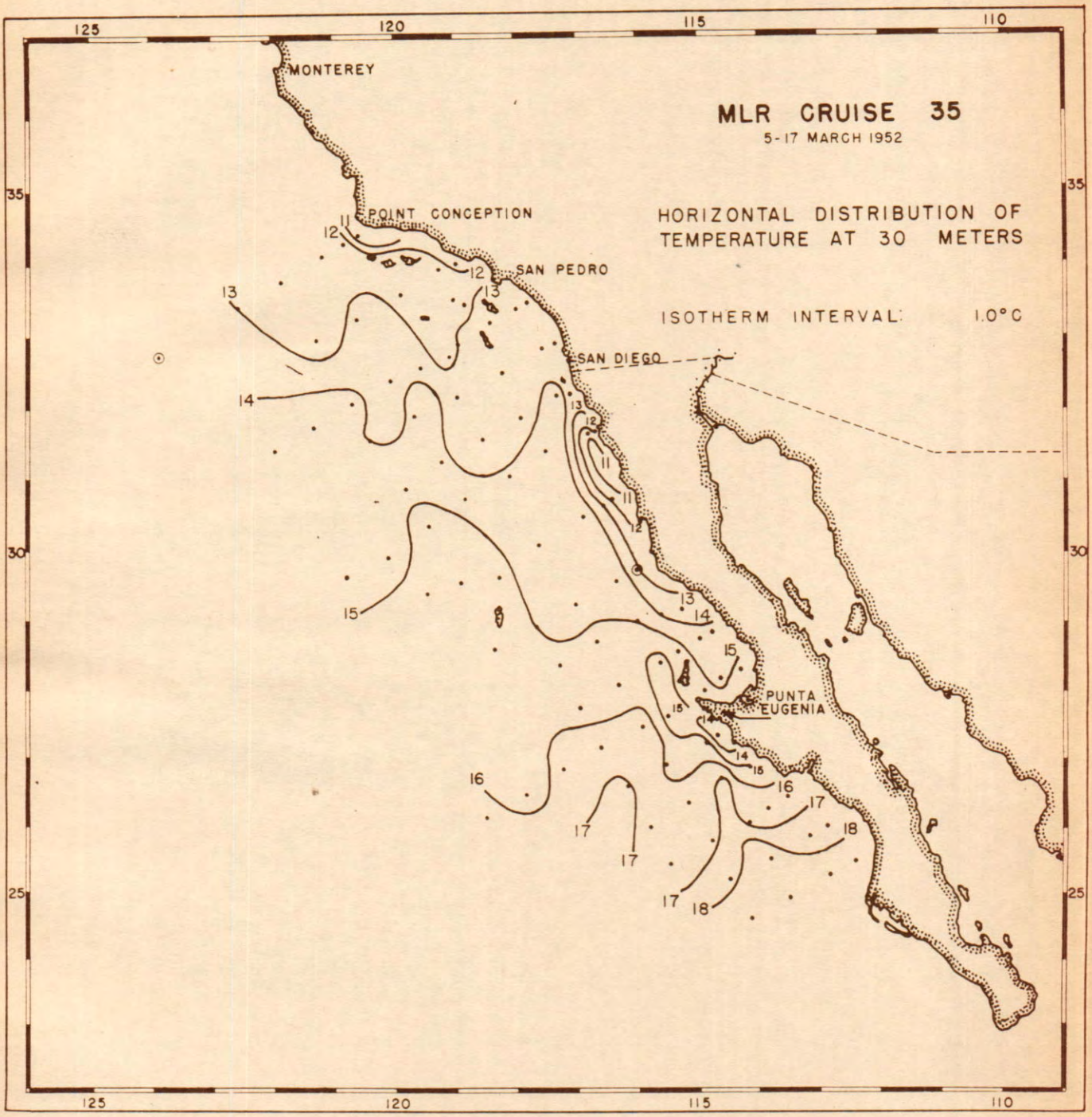
5-17 MARCH 1952
HORIZONTAL DISTRIBUTION
OF SURFACE SALINITY
ISOHALINE INTERVAL: 0.2‰
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
33.4
33.2
33.0
33.0
33.0
33.2
33.2
33.4
33.4
33.6
33.6
33.8
34.0
34.2
34.4
125
120
115
110
35
30
25

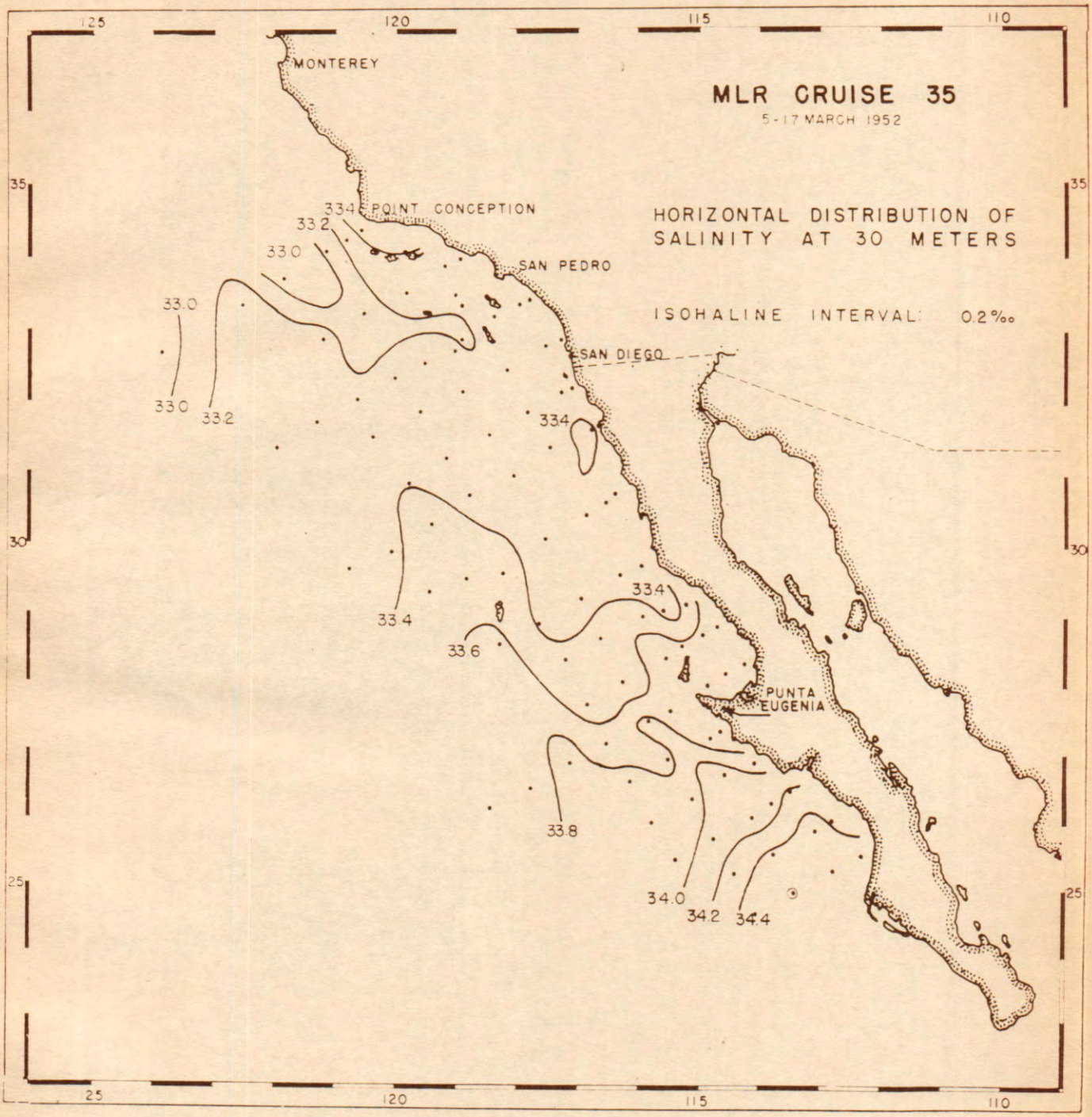
MLR CRUISE 35

24 MARCH-3 APRIL 1952






MLR CRUISE 35
5-17 MARCH 1952
HORIZONTAL DISTRIBUTION OF TEMPERATURE AT 30 METERS
ISOTHERM INTERVAL: 1.0°C
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
125
120
115
110
35
30
25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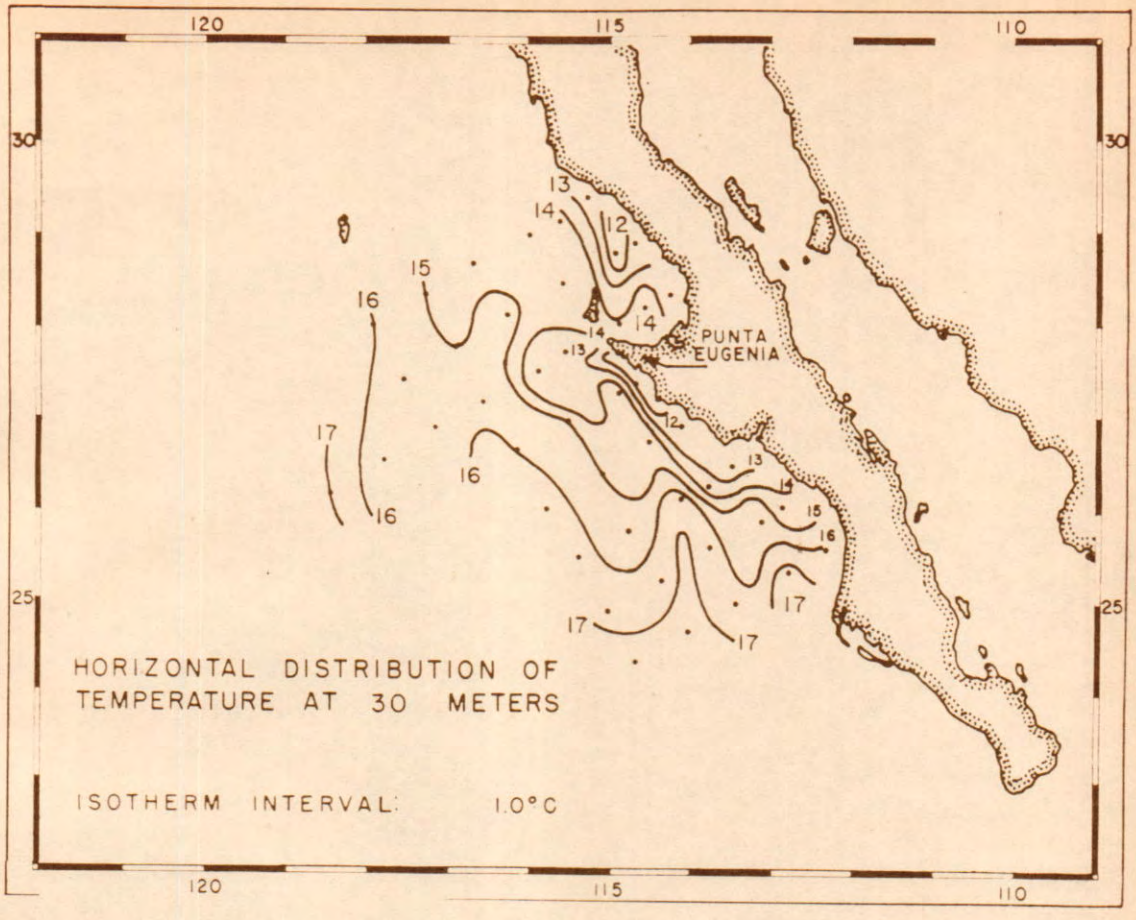
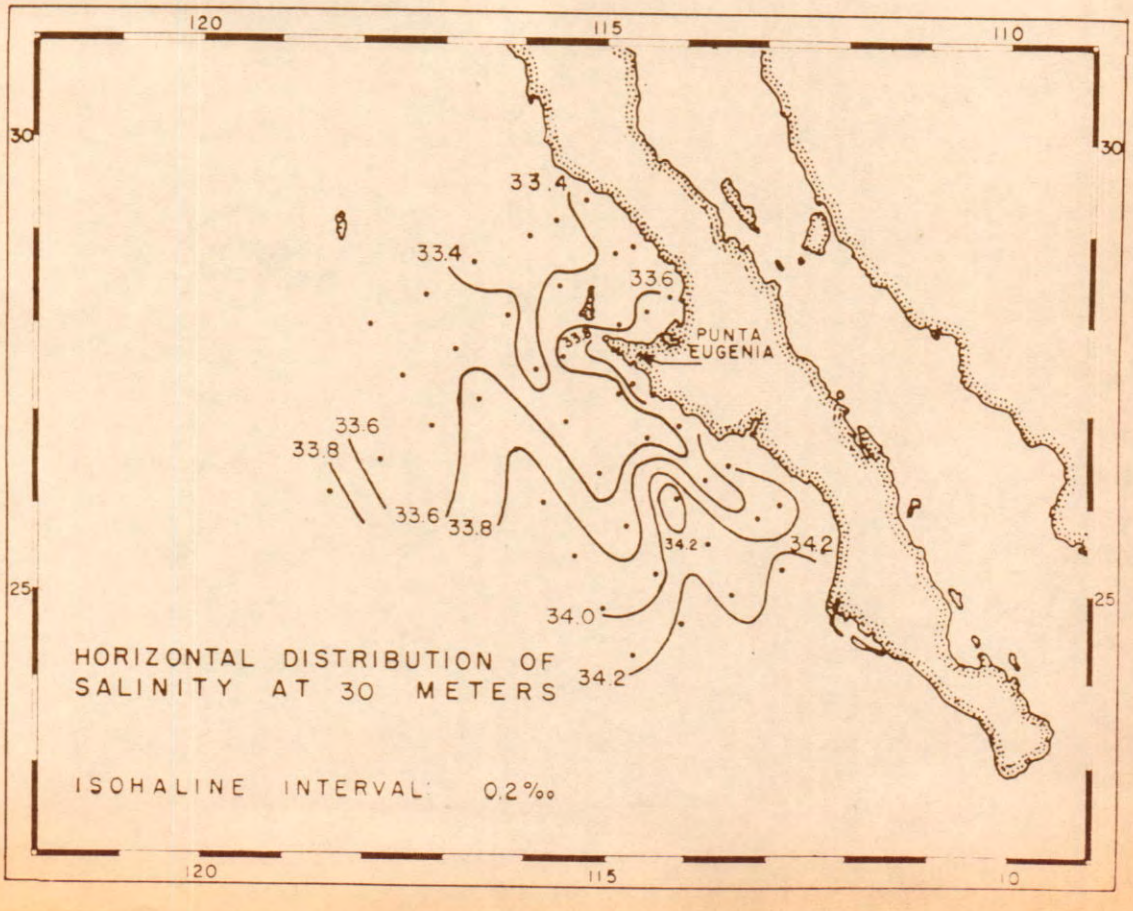
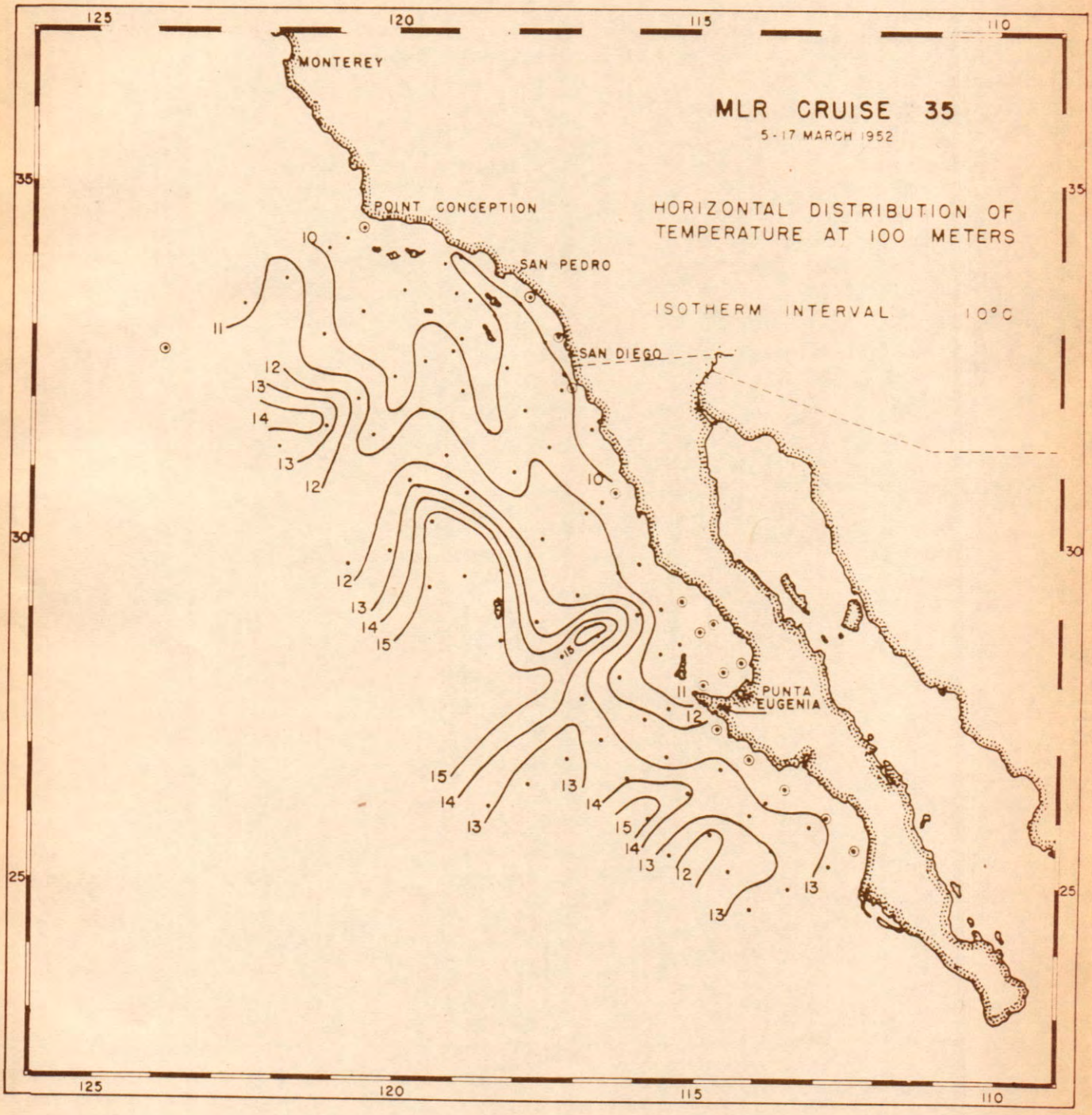
5-17 MARCH 1952
HORIZONTAL DISTRIBUTION OF SALINITY AT 30 METERS
ISOHALINE INTERVAL: 0.2‰
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
125
120
115
110
35
30
25
33.0
33.2
33.4
33.6
33.8
34.0
34.2
34.4

MLR CRUISE 35

24 MARCH - 3 APRIL 1952



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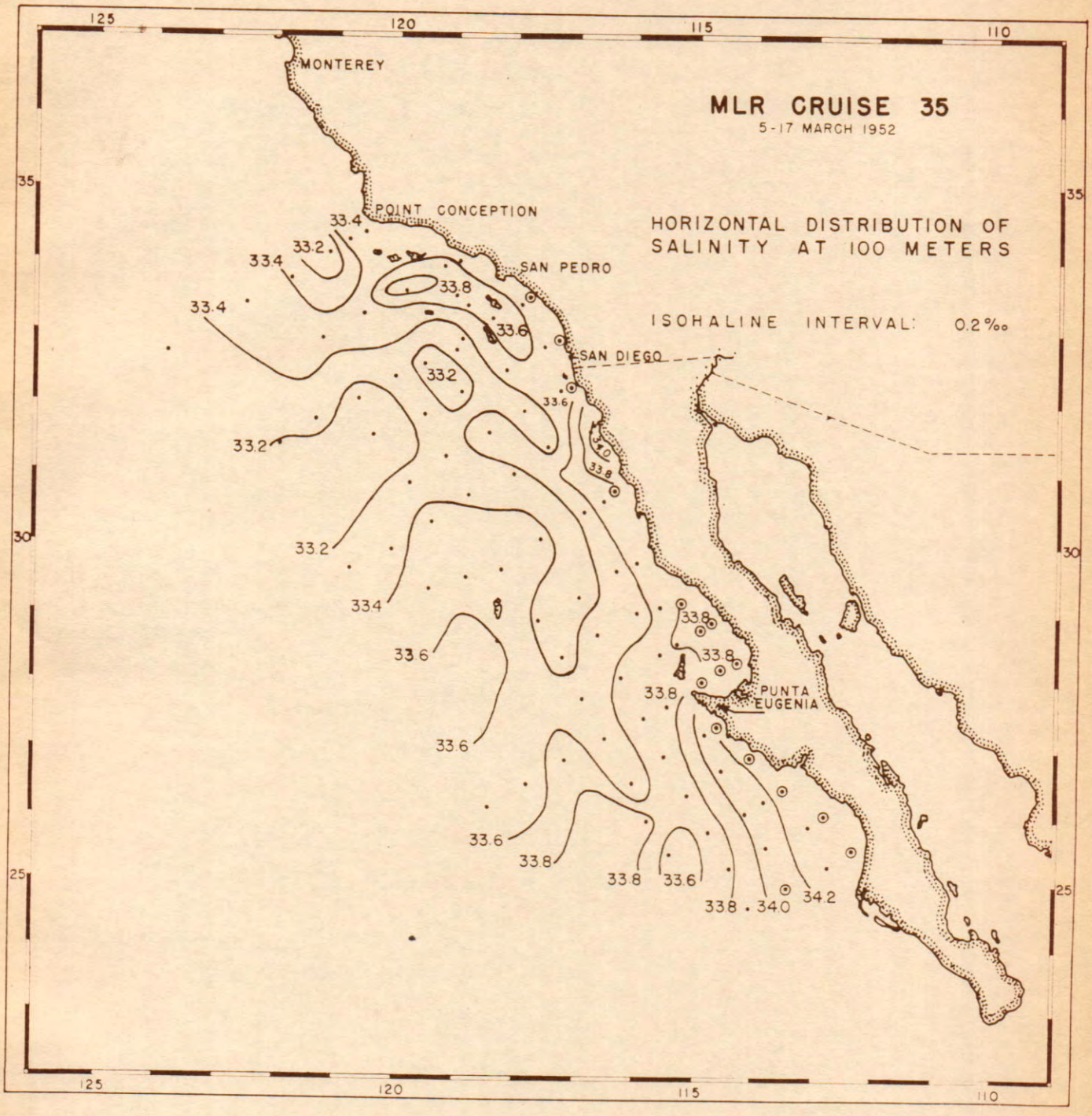
5-17 MARCH 1952
HORIZONTAL DISTRIBUTION OF TEMPERATURE AT 100 METERS
ISOTHERM INTERVAL 1.0°C
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
125
120
115
110
35
30
25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5-17 MARCH 1952
HORIZONTAL DISTRIBUTION OF SALINITY AT 100 METERS
ISOHALINE INTERVAL: 0.2‰
MONTEREY
POINT CONCEPTION
SAN PEDRO
SAN DIEGO
PUNTA EUGENIA
125
120
115
110
35
30
25
33.4
33.2
33.4
33.8
33.4
33.6
33.2
33.6
33.0
33.8
33.2
33.2
33.4
33.6
33.8
33.8
33.8
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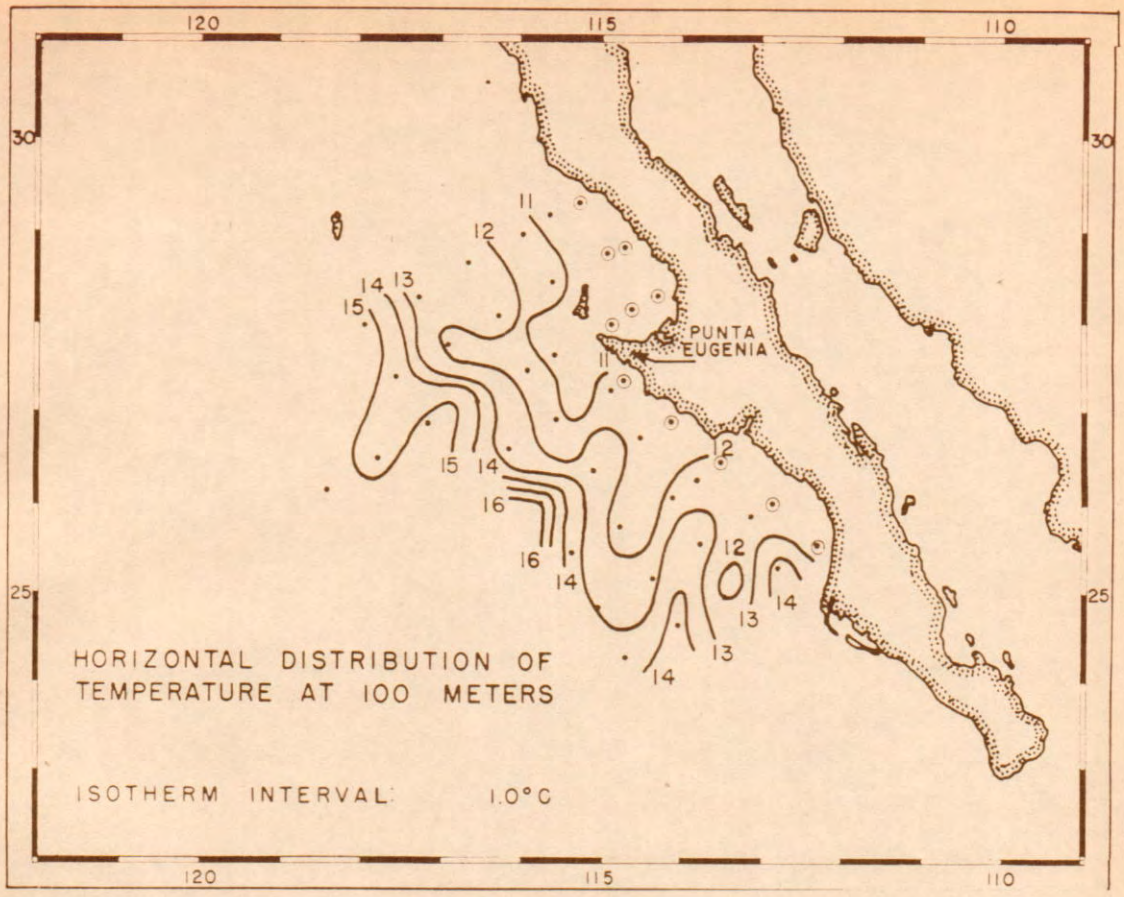
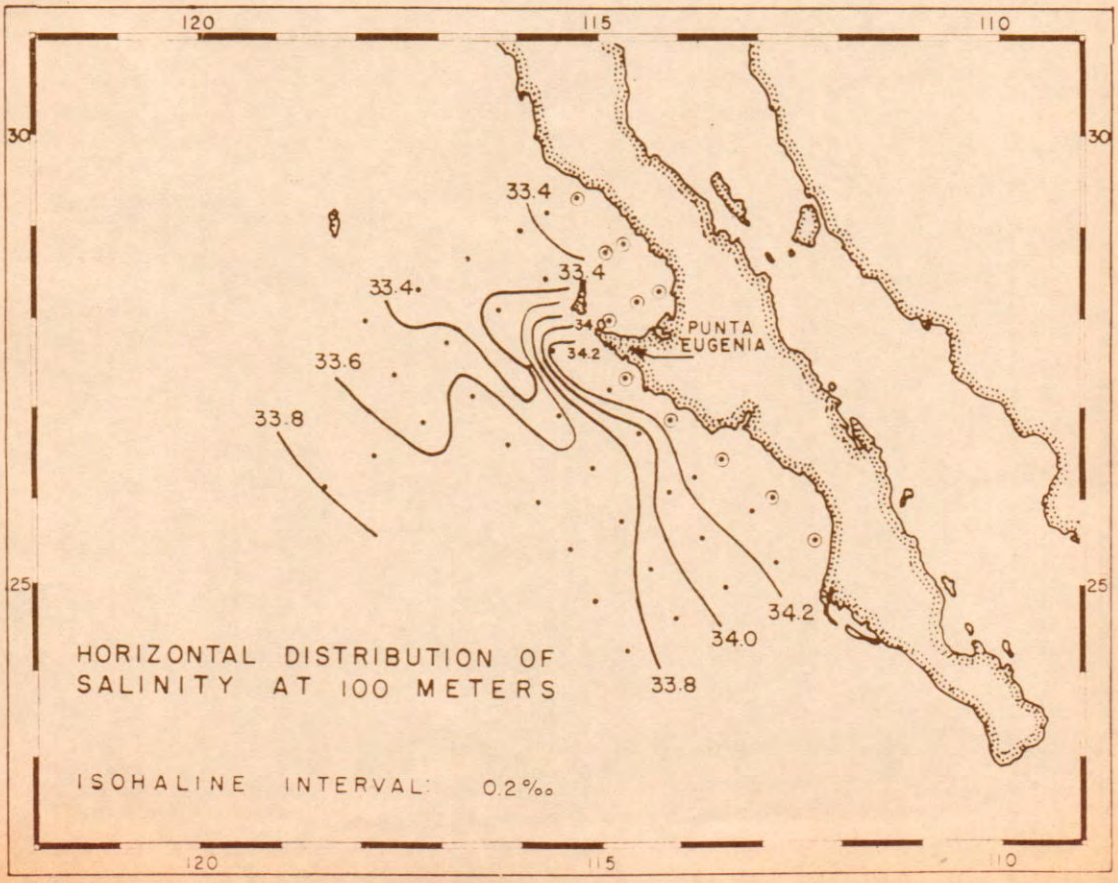
33.8
33.8
33.6
33.8
34.0
34.2

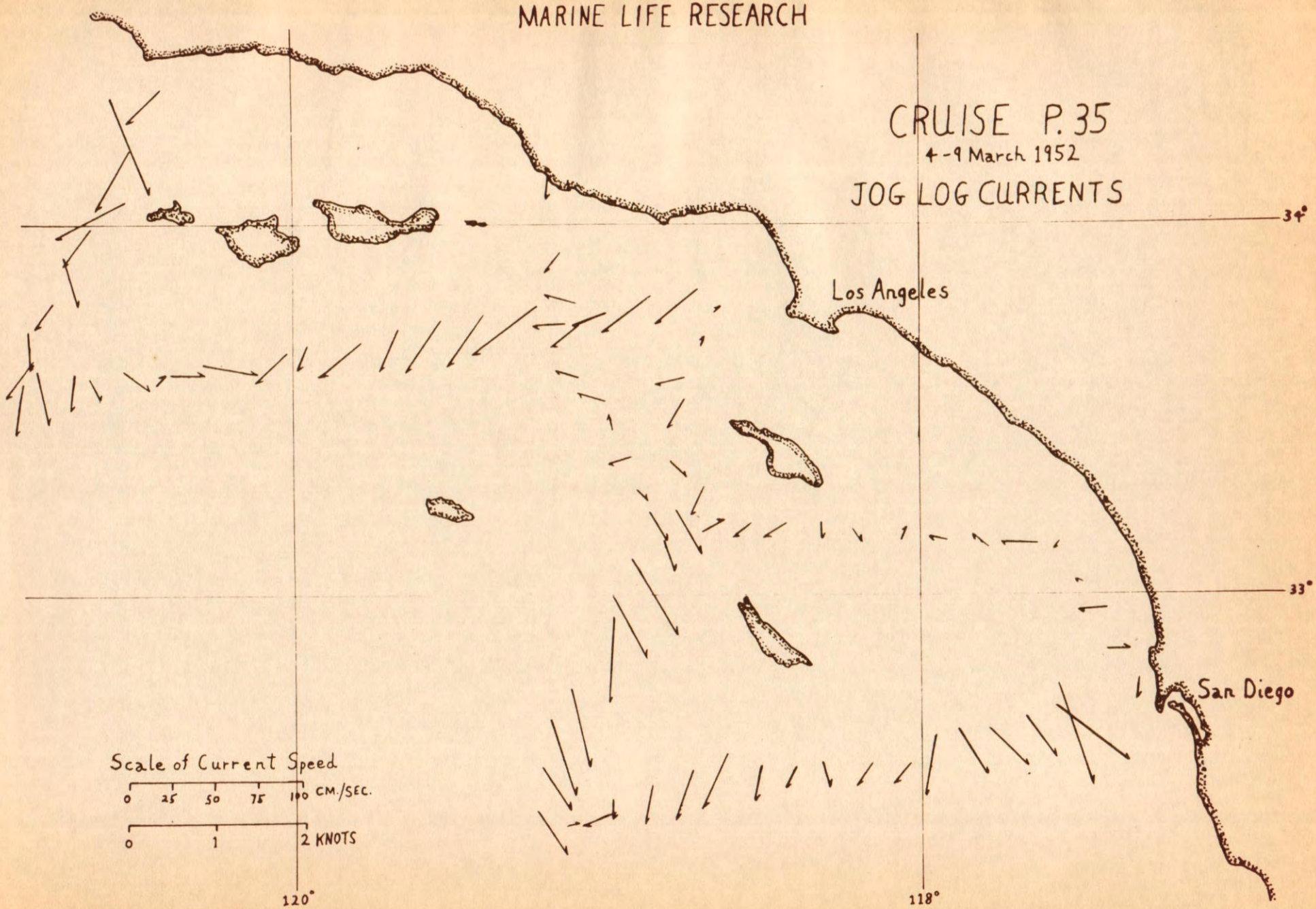
MLR CRUISE 35

24 MARCH - 3 APRIL 1952





MARINE LIFE RESEARCH

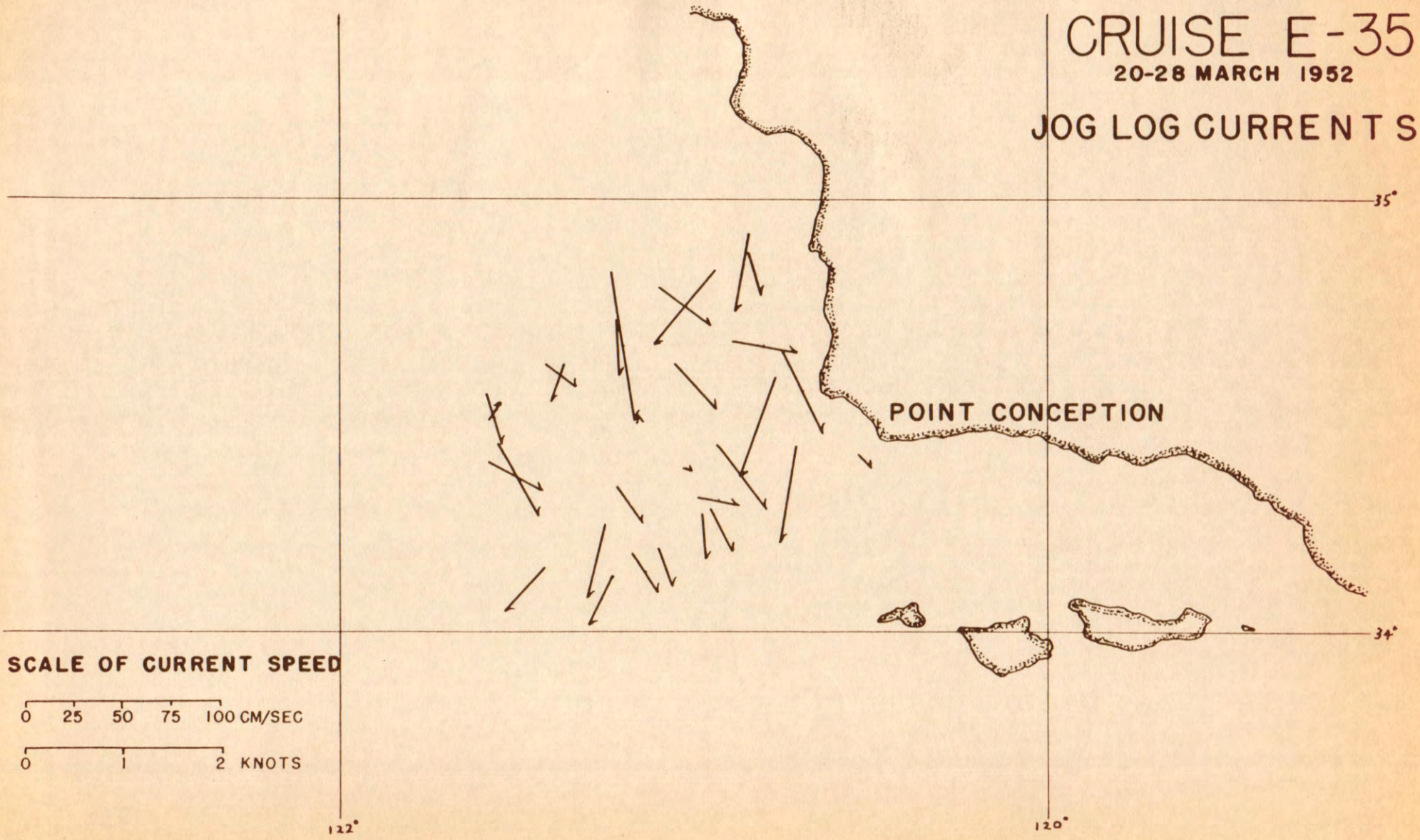


MARINE LIFE RESEARCH

CRUISE E-35

20-28 MARCH 1952

JOG LOG CURRENTS



STATION 80.51 (Interpolated Values at Standard Depths) 1

HORIZON: 34°26'N 120°33.5'W; March 5, 1952; 1923 GCT; wire angle: 19°; sounding: 50 fms; depth of observation: 72 m; weather: partly cloudy; sea: moderate; wind: 310°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	10.88	33.49	25.642	235.56	0.0000	5.09
10	10.69	33.51	25.691	231.11	0.0234	4.98
20	10.44	33.58	25.789	222.01	0.0461	4.63
30	10.17	33.57	25.828	218.55	0.0682	4.42
50	9.68	33.75	26.050	197.78	0.1100	3.00

STATION 80.55 (Interpolated Values at Standard Depths)

HORIZON: 34°18.5'N 120°48'W; March 5, 1952; 2253 GCT; wire angle: 10°; sounding: 400 fms; depth of observation: 583 m; weather: partly cloudy; sea: very rough; wind: 300°, force 5

00	12.5	33.21	25.125	284.73	0.0000	6.08
10	12.45	33.22	25.142	283.32	0.0285	6.14
20	12.5	33.21	25.125	285.21	0.0570	6.09
30	12.5	33.21	25.125	285.45	0.0856	6.08
50	12.5	33.21	25.125	285.93	0.1430	6.05
75	11.4	33.45	25.517	249.10	0.2103	4.75
100	9.4	33.49	25.893	213.59	0.2685	3.98
150	8.67	33.83	26.275	178.19	0.3671	3.19
200	8.32	33.98	26.446	162.75	0.4529	2.79
250	7.66	34.08	26.622	146.61	0.5308	2.48
300	7.41	34.13	26.697	140.18	0.6030	1.84
400	6.66	34.19	26.848	126.89	0.7376	0.91
500	6.14	34.24	26.956	117.62	0.8609	0.59
600	(5.57)	(34.30)	(27.074)	(107.02)	(0.9742)	

STATION 80.60 (Interpolated Values at Standard Depths)

HORIZON: 34°09'N 121°09'W; March 6, 1952; 6214 GCT; wire angle: 20°; sounding: 1,010 fms; depth of observation: 1,090 m; weather: cloudy; sea: very 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)
00	12.1	33.13	25139	28336	00000	6.14
10	12.4	33.13	25.082	289.03	0.0287	6.16
20	12.4	33.13	25.082	289.26	0.0577	6.18
30	12.4	33.13	25.082	289.49	0.0868	6.18
50	12.4	33.15	25.098	288.50	0.1449	6.12
75	10.3	33.14	25.471	253.36	0.2130	5.87
100	9.2	33.13	25.644	237.15	0.2747	4.80
150	8.48	33.73	26.226	182.76	0.3804	3.66
200	8.07	33.98	26.483	159.09	0.4665	3.03
250	7.69	34.03	26.578	150.75	0.5445	2.15
300	7.23	34.08	26.683	141.36	0.6181	1.66
400	6.26	34.14	26.861	125.27	0.7525	1.08
500	5.51	34.19	26.995	113.22	0.8728	0.64
600	5.09	34.29	27.124	101.73	0.9812	0.41
700	4.77	34.36	27.216	93.69	1.0798	0.33
800	4.47	34.39	27.273	88.83	1.1720	0.35
1000	3.88	34.47	27.399	77.64	1.3403	0.50

STATION 80.70 (Interpolated Values at Standard Depths)

HORIZON: 33°46'N 121°50'W; March 6, 1952; 0822 GCT; wire angle: 25°; sounding: 2,100 fms; depth of observation: 1,120 m; weather: partly cloudy; sea: rough; wind: 240°, force 2

00	12.3	32.97	24978	29875	00000	6.15
10	12.3	32.97	249.78	298.98	0.0300	6.16
20	12.3	32.97	249.78	299.21	0.0600	6.16
30	12.3	32.97	249.78	299.45	0.0901	6.17
50	12.0	32.97	250.34	294.50	0.1498	6.15
75	12.3	33.31	252.41	275.50	0.2214	5.96
100	11.5	33.40	254.60	255.10	0.2881	4.71
150	9.50	33.76	260.88	196.17	0.4017	3.18
200	8.70	34.04	264.34	164.01	0.4924	2.60
250	8.27	34.14	265.79	151.05	0.5717	2.02
300	7.68	34.19	267.05	139.58	0.6449	1.52
400	6.72	34.24	268.79	124.00	0.7777	0.78
500	6.13	34.34	270.36	110.08	0.8957	0.33
600	5.50	34.36	271.30	101.68	1.0025	0.27
700	4.94	34.36	271.96	95.78	1.1022	0.30
800	4.51	34.38	272.60	90.06	1.1961	0.36
1000	3.93	34.48	274.01	77.50	1.3655	0.54

STATION 80.80 (Interpolated Values at Standard Depths)

HORIZON: 33°25'N 122°33.5'W; March 6, 1952; 1431 GCT; wire angle: 34°; sounding: 2,100 fms; depth of observation: 1,154 m; weather: cloudy; sea: rough; wind: 210°, force 6

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.0	33.21	25.027	294.01	00000	6.05
10	13.0	33.21	25.027	294.27	0.0295	6.11
20	13.0	33.22	25.035	293.77	0.0590	6.13
30	13.0	33.24	25.051	292.56	0.0884	6.13
50	12.7	33.31	25.164	282.27	0.1462	6.02
75	11.5	33.35	25.422	258.22	0.2141	4.81
100	10.3	33.46	25.720	230.23	0.2755	3.94
150	9.08	33.98	26.327	173.33	0.3771	2.71
200	8.35	34.11	26.543	153.57	0.4594	2.07
250	8.13	34.12	26.584	150.46	0.5360	1.83
300	7.72	34.17	26.684	141.63	0.6096	1.31
400	6.67	34.22	26.870	124.80	0.7439	0.74
500	5.96	34.22	26.963	116.74	0.8657	0.52
600	5.42	34.29	27.085	105.85	0.9780	0.38
700	4.98	34.38	27.208	94.79	1.0793	0.33
800	4.61	34.41	27.273	89.06	1.1722	0.34
1000	3.95	34.44	27.368	80.70	1.3438	0.53

STATION 80.100 (Interpolated Values at Standard Depths)

HORIZON: 32°44'N 123°52'W; March 7, 1952; 0236 GCT; wire angle: 44°; sounding: 2,100 fms; depth of observation: 1,077 m; weather: intermittent heavy rain; sea: rough; wind: 250°, force 5

00	-	32.95	-	-	-	6.10
10	-	32.95	-	-	-	6.10
20	-	32.94	-	-	-	6.09
30	-	32.95	-	-	-	6.09
50	-	32.96	-	-	-	6.08
75	-	33.00	-	-	-	6.08
100	-	33.35	-	-	-	4.47
150	9.47	33.77	26.100	194.95	00000	3.81
200	8.41	33.95	26.409	166.31	0.0910	2.82
250	7.85	33.96	26.500	158.22	0.1727	2.51
300	7.18	33.97	26.604	148.83	0.2500	2.18
400	6.08	34.07	26.829	128.12	0.3896	1.15
500	5.47	34.19	27.000	112.71	0.5111	0.62
600	5.07	34.27	27.110	102.96	0.6199	0.38
700	4.67	34.34	27.211	93.96	0.7193	0.35
800	4.31	34.41	27.306	85.42	0.8099	0.37
1000	3.76	34.51	27.443	73.25	0.9703	0.56

STATION 85.38 (Interpolated Values at Standard Depths)

HORIZON: 34°01'N 118°58'W; March 8, 1952; 1016 GCT; wire angle: estimated 11°; sounding: 210 fms; depth of observation: 285 m; weather: overcast; sea: slight; wind: 080°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	12.50	33.24	25.148	28252	0.0000	6.44
10	12.45	33.22	25.142	283.32	0.0284	6.20
20	12.11	33.29	25.261	272.22	0.0563	5.80
30	11.90	33.32	25.324	266.48	0.0833	5.43
50	11.32	33.36	25.462	253.78	0.1356	4.78
75	10.55	33.46	25.677	233.86	0.1969	4.01
100	10.14	33.57	25.833	219.50	0.2539	3.53
150	9.69	33.82	26.103	194.75	0.3582	2.94
200	8.88	34.02	26.390	168.23	0.4496	2.08
250	8.43	34.09	26.515	157.14	0.5315	1.76
300	(7.90)	(34.16)	(26.650)	(144.98)	(0.6076)	~~0.00~~

STATION 85.40 (Interpolated Values at Standard Depths)

HORIZON: 33°57.5'N 119°11'W; March 8, 1952; 0823 GCT; wire angle: 15°; sounding: 400 fms; depth of observation: 661 m; weather: cloudy; sea: moderate; wind: 080°, force 4

00	12.9	33.24	25.070	289.93	0.0000	6.10
10	12.72	33.26	25.121	285.35	0.0289	6.16
20	12.6	33.28	25.160	281.90	0.0574	5.99
30	12.4	33.28	25.198	278.46	0.0855	5.72
50	12.0	33.28	25.274	271.68	0.1408	5.31
75	10.3	33.43	25.696	231.93	0.2041	4.50
100	9.9	33.69	25.967	206.73	0.2593	3.40
150	9.49	34.00	26.276	178.27	0.3562	2.54
200	8.90	34.11	26.457	161.89	0.4419	2.08
250	8.34	34.17	26.591	149.87	0.5204	1.87
300	7.85	34.18	26.673	142.77	0.5941	1.24
400	7.22	34.29	26.850	127.22	0.7302	0.84
500	6.52	34.31	26.961	117.53	0.8536	0.49
600	5.78	34.35	27.088	106.04	0.9664	0.26
700	(5.17)	(34.35)	(27.162)	(99.40)	(1.0701)	-

STATION 85.50 (Interpolated Values at Standard Depths)

HORIZON: 33°36.5'N 119°52'W; March 8, 1952; 0318 GCT; wire angle: 20°; sounding: 80 fms; depth of observation: 117 m; weather: partly cloudy; sea: rough; wind: 290°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	12.41	33.31	25.220	275.72	0.0000	6.14
10	12.42	33.26	25.179	279.82	0.0279	6.16
20	12.21	33.28	25.235	274.77	0.0557	6.06
30	12.19	33.30	25.254	273.17	0.0832	6.02
50	11.50	33.39	25.453	254.70	0.1363	5.01
75	10.15	33.50	25.776	224.31	0.1965	3.75
100	9.49	33.86	26.167	187.63	0.2483	2.79

STATION 85.60 (Interpolated Values at Standard Depths)

HORIZON: 33°17'N 120°33'W; March 7, 1952; 2200 GCT; wire angle: 29°; sounding: 630 fms; depth of observation: 894 m; weather: partly cloudy; sea: high; wind: 290°, force 3

00	13.7	33.13	24.825	313.27	0.0000	6.02
10	13.4	33.12	24.878	308.47	0.0312	6.06
20	13.4	33.12	24.878	308.72	0.0622	6.01
30	13.4	33.17	24.917	305.30	0.0930	6.01
50	12.7	33.26	25.125	285.95	0.1524	6.02
75	10.6	33.28	25.528	247.98	0.2195	4.80
100	9.3	33.48	25.902	212.79	0.2775	4.19
150	8.68	33.86	26.297	176.11	0.3754	3.19
200	8.23	34.10	26.553	152.54	0.4582	2.10
250	7.73	34.16	26.675	141.68	0.5323	1.58
300	7.17	34.15	26.747	135.34	0.6021	1.29
400	6.62	34.17	26.838	127.82	0.7347	0.74
500	5.80	34.22	26.983	114.66	0.8570	0.43
600	5.25	34.25	27.073	106.69	0.9687	0.33
700	4.92	34.34	27.183	97.01	1.0715	0.33
800	4.56	34.44	27.302	86.22	1.1640	0.38
1000	(3.84)	(34.54)	(27.458)	(72.00)	(1.3240)	

STATION 85.70 (Interpolated Values at Standard Depths)

HORIZON: 32°51.5'N 121°27.5'W; March 7, 1952; 1530 GCT; wire angle: 20°; sounding: 2,200 fms; depth of observation: 1,246 m; weather: cloudy; sea: very rough; wind: 300°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	12.5	33.15	25.079	28914	00000	6.04
10	12.4	33.15	25.098	28755	0.0289	6.05
20	12.4	33.20	25.137	284.11	0.0576	6.07
30	12.4	33.21	25.144	283.61	0.0861	6.08
50	12.4	33.19	25.129	28555	0.1433	6.03
75	12.1	33.24	25.225	27701	0.2140	5.71
100	10.6	33.44	25.652	23669	0.2786	4.31
150	8.65	33.79	26.246	18084	0.3837	3.11
200	8.55	33.99	26.418	16544	0.4709	2.79
250	7.80	34.12	26.633	14566	0.5492	1.83
300	7.57	34.12	26.666	14318	0.6220	1.48
400	6.64	34.21	26.866	12513	0.7572	0.52
500	5.92	34.29	27.023	11103	0.8763	0.38
600	5.41	34.33	27.117	10276	0.9842	0.38
700	4.94	34.33	27.173	9800	1.0855	0.37
800	4.54	34.35	27.233	9264	1.1818	0.38
1000	3.89	34.48	27.405	7702	1.3533	0.60

STATION 88.40 (Interpolated Values at Standard Depths)

PAOLINA-T: 33°24.5'N 118°49'W; March 6, 1952; 0511 GCT; wire angle: 3°; sounding: 780 fms; depth of observation: 611 m; weather: clear; sea: rough; wind: 320°, force 3

00	13.0	33.28	25.082	288.87	0.0000
10	12.98	33.28	25.086	288.74	0.0290
20	12.9	33.26	25.086	288.96	0.0580
30	12.8	33.26	25.105	287.33	0.0869
50	11.3	33.28	25.404	259.33	0.1418
75	9.9	33.45	25.780	223.98	0.2026
100	9.3	33.62	26.011	202.42	0.2562
150	8.60	33.94	26.372	168.98	0.3497
200	8.31	34.08	26.526	155.20	0.4313
250	7.98	34.14	26.622	146.78	0.5073
300	7.77	34.16	26.669	143.09	0.5803
400	7.02	34.21	26.815	130.34	0.7181
500	6.27	34.26	26.955	117.86	0.8433
600	5.72				

STATION 90.28 (Interpolated Values at Standard Depths)

HORIZON: 33°30'N 117°46.5'W; March 8, 1952; 1950 GCT; wire angle: 2°;
sounding: 30 fms; depth of observation: 30 m; weather: cloudy;
sea: slight; wind: 090°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.41	33.15	24.899	30621	0.0000	612
10	12.30	33.15	25.117	28573	0.0297	6.13
20	13.39	33.24	24.973	299.72	0.0591	6.03
30	13.31	33.24	24.989	29844	0.0891	6.02

STATION 90.30 (Interpolated Values at Standard Depths)

HORIZON: 33°24.5'N 117°55.5'W; March 8, 1952; 2127 GCT; wire angle: 4°;
sounding: 340 fms; depth of observation: 480 m; weather: cloudy;
sea: slight; wind: 170°, force 3

00	140	33.26	24864	309.61	0.0000	5.98
10	13.88	3322	24.858	310.45	0.0311	5.98
20	13.8	3324	24.889	307.68	0.0621	6.12
30	13.8	3324	24.889	307.94	0.0930	6.13
50	13.1	33.24	25.031	29494	0.1536	5.94
75	10.96	33.26	25.449	25551	0.2228	4.90
100	10.00	33.59	25.872	21573	0.2821	3.70
150	9.18	33.89	26.241	18154	0.3821	3.10
200	9.20	34.14	26.433	16433	0.4692	2.09
250	8.60	34.16	26.544	15453	0.5495	1.80
300	8.22	34.23	26.657	14453	0.6248	1.34
400	7.11	34.27	26.849	12716	0.7617	0.79
500	(6.36)	(34.27)	(26.951)	(118.32)	(0.8855)	(0.45)

STATION 90.37 (Interpolated Values at Standard Depths)

HORIZON: 33°11'N 118°23.5'W; March 9, 1952; 0102 GCT; wire angle; 2°; sounding: 650 fms; depth of observation: 972 m; weather: cloudy; sea: rough; wind: 110°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.7	33.26	24.925	303.73	0.0000	6.06
10	13.6	33.26	24.946	302.06	0.0304	6.08
20	13.5	33.26	24.966	300.38	0.0606	6.11
30	13.5	33.27	24.974	299.89	0.0907	6.11
50	11.2	33.26	25.406	259.08	0.1469	5.02
75	10.1	33.49	25.777	224.25	0.2077	4.20
100	9.9	33.69	25.967	206.73	0.2619	3.53
150	8.88	33.92	26.312	174.70	0.3579	3.06
200	8.78	34.18	26.531	154.87	0.4409	1.85
250	8.27	34.20	26.626	146.61	0.5168	1.85
300	7.70	34.20	26.710	139.12	0.5888	1.82
400	6.84	34.24	26.863	125.63	0.7222	0.66
500	6.22	34.33	27.016	112.01	0.8420	0.43
600	5.69	34.34	27.091	105.62	0.9518	0.30
700	5.19	34.38	27.183	97.44	1.0543	0.26
800	4.77	34.44	27.279	88.82	1.1484	0.32
1000	(4.15)	(34.50)	(27394)	(7868)	(1.3178)	(0.43)

STATION 90.45 (Interpolated Values at Standard Depths)

HORIZON: 32°55'N 118°56.5'W; March 9, 1952; 0553 GCT; wire angle: 25°; sounding: 950 fms; depth of observation: 1,167 m; weather: cloudy; sea: moderate; wind: 320°, force 4

00	13.7	33.19	24.871	308.87	0.0000	6.00
10	13.6	33.19	24.892	307.20	0.0309	6.03
20	13.6	33.19	24.892	307.45	0.0618	6.03
30	13.5	33.19	24.912	305.77	0.0926	6.03
50	13.5	33.19	24.912	306.27	0.1541	6.01
75	11.5	33.15	25.266	272.94	0.2269	5.99
100	9.9	33.29	25.655	236.29	0.2910	4.66
150	8.86	34.00	26.378	168.47	0.3929	2.80
200	8.48	34.09	26.507	157.00	0.4749	2.08
250	8.01	34.10	26.586	150.18	0.5522	1.96
300	7.81	34.16	26.663	143.67	0.6263	1.25
400	7.04	34.23	26.828	129.14	0.7637	0.70
500	6.16	34.27	26.977	115.65	0.8871	0.43
600	5.60	34.32	27.086	105.92	0.9989	0.40
700	5.14	34.36	27.173	98.28	1.1020	0.38
800	4.69	34.40	27.256	90.79	1.1975	0.37
1000	4.10	34.48	27384	79.56	1.3697	0.43

STATION 90.47 (Interpolated Values at Standard Depths)

PAOLINA-T: 32°46'N 119°03'W; March 5, 1952; 2049 GCT; wire angle: 15°; sounding; 550 fms; depth of observation: 636 m; weather: clear; 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)
00	13.0	33.22	25.035	29327	0.0000	-
10	12.94	33.26	25.078	289.46	0.0293	-
20	12.8	33.24	25.090	288.57	0.0583	-
30	12.8	33.24	25.090	288.81	0.0873	-
50	12.8	33.24	25.090	289.29	0.1454	-
75	12.8	33.22	25.075	291.36	0.2184	-
100	10.3	33.24	25.549	246.48	0.2861	-
150	9.16	33.64	26.049	199.71	0.3984	-
200	8.53	33.96	26.398	167.36	0.4908	--
250	7.75	34.03	26.570	151.61	0.5711	-
300	7.31	34.09	26.680	141.74	0.6450	-
400	6.78	34.23	26.863	125.55	0.7797	-
500	6.16	34.28	26.985	114.92	0.9010	-
600	5.60	34.34	27.102	104.45	1.0117	-

STATION 90.53 (Interpolated Values at Standard Depths)

HORIZON: 32°37.5'N 119°31'W; March 9, 1952; 1130 GCT; wire angle: 26°; sounding: 230 fms; depth of observation: 310 m; weather: cloudy; sea: moderate; wind: 320°, force 5

00	13.94	33.22	24.845	311.36	0.0000	5.86
10	13.97	33.21	24.831	312.95	0.0313	5.91
20	13.96	33.22	24.841	312.28	0.0627	5.93
30	13.95	33.22	24.843	312.34	0.0941	5.92
50	13.94	33.20	24.830	314.15	0.1571	5.90
75	11.60	33.14	25.240	275.44	0.2312	5.88
100	10.32	33.19	25.506	250.50	0.2974	4.35
150	9.24	33.77	26.138	191.33	0.4086	3.50
200	8.29	33.96	26.435	163.78	0.4980	3.08
250	7.44	34.08	26.654	143.51	0.5754	2.14
300	7.00	34.13	26.755	134.49	0.6454	1.45

STATION 90.60 (Interpolated Values at Standard Depths)

HORIZON: 32°23'N 120°01.5'W; March 9, 1952; 1517 GCT; wire angle: 24°; sounding: 600 fms; depth of observation: 936 m; weather: partly cloudy; sea: very 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)
00	13.4	33.22	24.955	300.88	0.0000	6.02
10	13.4	33.21	24.948	301.86	0.0303	6.03
20	13.4	33.24	24.971	299.91	0.0605	6.04
30	13.4	33.24	24.971	300.17	0.0906	6.04
50	13.4	33.24	24.971	300.68	0.1510	6.03
75	11.1	33.24	25.409	259.37	0.2214	5.03
100	9.6	33.38	25.775	224.87	0.2823	4.32
150	8.90	33.84	26.246	180.93	0.3844	3.20
200	7.77	33.99	26.535	154.03	0.4687	2.91
250	7.62	34.11	26.651	143.82	0.5437	2.22
300	7.40	34.15	26.714	138.55	0.6148	1.63
400	6.38	34.17	26.869	124.62	0.7474	0.90
500	5.78	34.28	27.033	109.96	0.8657	0.52
600	5.28	34.33	27.133	101.13	0.9722	0.40
700	4.82	34.41	27.250	90.60	1.0690	0.36
800	4.45	34.45	27.322	84.14	1.1573	0.38
1000	(3.99)	(34.47)	(27.387)	(78.95)	(1.3222)	*

STATION 90.70 (Interpolated Values at Standard Depths)

HORIZON: 32°05'N 120°39'W; March 9, 1952; 2057 GCT; wire angle: 50°; sounding: 2,050 fms; depth of observation: 832 m; weather: overcast; sea: very rough; wind: 290°, force 5

00	14.4	33.19	24.726	322.71	0.0000	5.93
10	14.3	33.21	24.763	319.51	0.0322	5.86
20	14.3	33.22	24.770	319.04	0.0643	5.88
30	14.2	33.21	24.783	318.04	0.0963	5.88
50	14.1	33.21	24.804	316.57	0.1601	5.85
75	14.2	33.17	24.753	322.16	0.2404	5.78
100	11.9	33.13	25.177	282.07	0.3164	5.75
150	9.04	33.39	25.873	216.36	0.4419	4.57
200	8.58	33.86	26.312	175.51	0.5406	3.46
250	7.76	34.02	26.560	152.49	0.6232	2.95
300	7.12	34.04	26.667	142.80	0.6976	2.30
400	6.24	34.14	26.864	125.00	0.8326	1.11
500	5.59	34.22	27.009	112.00	0.9521	0.54
600	5.23	34.32	27.131	101.24	1.0597	0.33
700	4.88	34.39	27.227	92.82	1.1577	0.30
800	4.52	34.42	27.291	87.22	1.2486	0.35
1000	(3.93)	(34.46)	(27.385)	(78.98)	(1.4166)	*

STATION 90.80 (Interpolated Values at Standard Depths)

HORIZON: 31°46'N 121°19'W; March 10, 1952; 0347 GCT; wire angle: 11°; sounding: 1,950 fms; depth of observation: 1,215 m; weather: overcast; sea: rough; wind: 300°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.9	33.26	24.673	327.73	0.0000	5.80
10	14.64	33.26	24.729	322.70	0.0327	5.82
20	14.6	33.28	24.753	320.69	0.0650	5.82
30	14.6	33.28	24.753	320.96	0.0972	5.82
50	14.6	33.28	24.753	321.51	0.1618	5.82
75	14.6	33.26	24.738	323.65	0.2429	5.82
100	14.6	33.22	24.707	327.24	0.3248	5.76
150	10.29	33.29	25.589	243.64	0.4685	4.93
200	8.81	33.49	25.987	206.35	0.5818	4.19
250	7.96	33.85	26.398	167.96	0.6761	3.54
300	7.89	34.08	26.588	150.75	0.7564	1.76
400	6.85	34.17	26.807	130.96	0.8984	0.88
500	6.14	34.23	26.948	118.35	1.0241	0.51
600	5.62	34.29	27.060	108.41	1.1385	0.04
700	5.10	34.35	27.170	98.52	1.2430	0.37
800	4.61	34.40	27.265	89.80	1.3381	0.35
1000	3.92	34.47	27.394	78.12	1.5079	0.58

STATION 90.90 (Interpolated Values at Standard Depths)

HORIZON: 31°25'N 121°59'W; March 10, 1952; 1010 GCT; wire angle: 35°; sounding: 2,200 fms; depth of observation: 1,296 m; weather: cloudy; sea: very rough; wind: 320°, force 5

00	14.9	33.22	24.643	330.66	0.0000	5.80
10	14.6	33.21	24.699	325.54	0.0329	5.81
20	14.6	33.22	24.707	325.08	0.0656	5.82
30	14.6	33.22	24.707	325.35	0.0983	5.82
50	14.6	33.22	24.707	325.89	0.1637	5.83
75	14.5	33.22	24.728	324.53	0.2455	5.82
100	13.5	33.18	24.904	308.28	0.3251	5.76
150	10.07	33.14	25.510	251.11	0.4659	5.18
200	9.01	33.78	26.182	187.98	0.5765	4.22
250	8.45	33.94	26.395	168.53	0.6663	3.42
300	7.98	34.00	26.512	157.98	0.7485	2.79
400	6.63	34.08	26.765	134.63	0.8960	1.45
500	5.73	34.21	26.984	114.52	1.0216	0.70
600	5.27	34.29	27.102	103.96	1.1318	0.45
700	4.89	34.35	27.194	95.90	1.2327	0.38
800	4.49	34.41	27.286	87.59	1.3254	0.40
1000	3.80	34.47	27.407	76.69	1.4915	0.62

STATION 93.27 (Interpolated Values at Standard Depths)

HORIZON: 32°55.5'N 117°19'W; March 12, 1952; 0113 GCT: wire angle: 4°; sounding: 45 fms; depth of observation: 30 m; weather: partly cloudy; sea: rough; wind: 280°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.48	33.24	24.955	300.94	0.0000	6.20
10	13.45	33.24	24.960	300.90	0.0302	6.20
20	13.31	33.24	24.990	298.19	0.0603	6.06
30	13.17	33.30	25.060	291.37	0.0899	6.08

STATION 93.30 (Interpolated Values at Standard Depths)

HORIZON: 32°50'N 117°31.5'W; March 11, 1952; 2030 GCT; wire angle: 40°; sounding: 490 fms; depth of observation: 622 m; weather: cloudy; sea: very rough; wind: 280°, force 5

00	13.9	33.26	24.884	307.65	0.0000	6.02
10	13.4	33.28	25.002	296.72	0.0303	6.01
20	13.3	33.24	24.991	298.00	0.0602	6.04
30	13.2	33.24	25.011	296.34	0.0900	5.92
50	11.2	33.36	25.484	251.71	0.1451	5.00
75	10.29	33.40	25.675	233.99	0.2062	4.43
100	10.0	33.57	25.856	217.22	0.2630	3.71
150	9.48	34.10	26.356	170.72	0.3606	2.27
200	9.22	34.18	26.461	161.70	0.4443	1.63
250	8.65	34.27	26.622	147.16	0.5221	1.38
300	8.11	34.29	26.720	138.46	0.5940	1.10
400	7.08	34.30	26.877	124.52	0.7265	0.68
500	6.35	34.32	26.991	114.49	0.8470	0.47
600	5.69	34.33	27.083	106.35	0.9584	0.34

STATION 93.40 (Interpolated Values at Standard Depths)

HORIZON: 32°30'N 118°10'W; March 11, 1952; 1618 GCT; wire angle: 28°; sounding: 1,000 fms; depth of observation: 1,274 m; weather: partly cloudy; sea: high; wind: 290°, force 7

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.8	33.26	24.905	305.68	0.0000	5.94
10	13.6	33.26	24.946	302.06	0.0305	5.94
20	13.6	33.25	24.938	303.04	0.0609	5.98
30	13.6	33.23	24.923	304.77	0.0914	5.98
50	13.0	33.22	25.035	294.51	0.1516	5.69
75	11.2	33.36	25.484	252.26	0.2203	4.60
100	10.1	33.53	25.808	221.79	0.2799	4.06
150	8.74	33.82	26.256	179.98	0.3810	3.19
200	8.50	34.15	26.551	152.85	0.4648	2.14
250	8.55	34.28	26.645	144.91	0.5398	1.15
300	8.15	34.28	26.706	139.78	0.6115	0.82
400	6.79	34.27	26.893	122.73	0.7438	0.63
500	6.18	34.30	26.998	113.70	0.8630	0.39
600	5.70	34.34	27.090	105.74	0.9737	0.34
700	5.24	34.37	27.169	98.81	1.0770	0.34
800	4.76	34.40	27.248	91.64	1.1732	0.34
1000	3.97	34.46	27.381	79.46	1.3462	0.54

STATION 93.50 (Interpolated Values at Standard Depths)

HORIZON: 32°11'N 118°53'W; March 11, 1952; 1037 GCT; wire angle: 40°; sounding: 800 fms; depth of observation: 963 m; weather: cloudy; sea: rough; wind: 310°, force 5

00	13.4	33.20	24.940	302.34	0.0000	6.01
10	13.4	33.23	24.963	300.39	0.0303	6.03
20	13.4	33.23	24.963	300.64	0.0605	6.07
30	13.3	33.22	24.975	299.72	0.0906	6.10
50	13.1	33.23	25.023	295.67	0.1504	6.06
75	11.7	33.22	25.284	271.31	0.2217	5.82
100	10.4	33.17	25.477	253.28	0.2877	5.32
150	9.19	33.65	26.052	199.44	0.4016	3.54
200	8.61	34.04	26.448	162.65	0.4928	2.41
250	8.13	34.14	26.600	148.98	0.5713	1.79
300	7.47	34.16	26.712	138.80	0.6438	1.40
400	6.73	34.28	26.909	121.16	0.7748	0.66
500	6.13	34.33	27.028	110.82	0.8918	0.43
600	5.57	34.34	27.106	104.06	1.0002	0.32
700	5.00	34.38	27.205	95.04	1.1007	0.32
800	4.56	34.44	27.302	86.22	1.1923	0.35
1000	(3.95)	(34.52)	(27.431)	(74.79)	(1.3551)	(0.57)

STATION 93.60 (Interpolated Values at Standard Depths)

HORIZON: 31°54.5'N 119°36'W; March 11, 1952; 0406 GCT; wire angle: 38°; sounding: 1,470 fms; depth of observation: 1,135 m; weather: intermittent moderate drizzle; sea: rough; wind: 280°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.3	33.33	24855	310.44	0.0000	5.84
10	14.3	33.35	24.870	309.25	0.0311	5.81
20	14.3	33.34	24.863	31025	0.0622	5.88
30	14.3	33.31	24.840	312.71	00935	5.92
50	13.1	33.21	25.008	29715	0.1548	5.89
75	12.3	33.22	25.171	282.12	0.2276	5.35
100	11.0	33.35	25.512	25010	0.2946	4.65
150	9.46	3387	26.180	18740	0.4047	3.23
200	9.14	34.18	26.474	160.45	0.4923	2.26
250	8.70	34.20	26.559	153.10	0.5713	1.90
300	8.16	34.18	26.627	147.33	0.6470	1.66
400	6.93	34.16	26.788	13280	0.7882	092
500	5.86	34.26	27.007	112.48	0.9119	0.53
600	5.16	34.37	27.179	96.66	1.0174	0.28
700	4.78	34.43	27.270	88.63	11109	025
800	4.46	3447	27.337	82.79	1.1975	0.36
1000	3.91	34.50	27.419	75.79	1.3578	0.65

STATION 93.70 (Interpolated Values at Standard Depths)

HORIZON: 31°33'N 120°22.5'W; March 10, 1952; 1945, 2123 GCT; wire angle: 37°, 41°; sounding: 2,140 fms; depth of observation: 881, 1,109 m; weather: drizzle; sea: rough; wind: 280°, force 4

00	14.44	3324	24.756	31984	0.0000	5.88
10	142	3324	24.807	315.32	0.0319	5.89
20	14.1	3321	24.804	31579	0.0636	5.83
30	14.0	33.21	24.825	31407	0.0952	5.83
50	13.9	3322	24.853	311.88	0.1581	6.00
75	13.3	3319	24.952	30305	0.2354	6.05
100	10.76	3317	25.415	259.29	0.3061	4.72
150	937	3373	26.085	19634	0.4208	3.53
200	8.49	3394	26.388	16824	0.5126	3.06
250	7.69	3403	26.578	150.75	0.5929	2.62
300	7.15	3407	26.687	14100	0.6654	2.08
400	6.41	3413	26.834	127.98	0.8020	1.10
500	5.72	34.25	27.016	111.42	0.9227	0.58
600	5.30	3433	27.131	101.38	1.0301	0.42
700	4.91	3438	27.216	93.93	1.1287	0.30
800	4.54	3441	27.281	88.20	1.2207	0.36
1000	3.95	3447	27.391	78.48	1.3892	0.56

STATION 97.30 (Interpolated Values at Standard Depths)

HORIZON: 32°15'N 117°09'W; March 12, 1952; 1217 GCT; wire angle: 0°; sounding: 25 fms; depth of observation: 30 m; weather: cloudy; sea: very rough; wind: 300°, force 4

Depth (m)	$T_{\cdot}$ (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.42	3322	24.951	30126	0.0000	6.12
10	13.44	3322	24.947	30189	0.0303	5.98
20	13.45	3324	24.961	30088	0.0606	5.99
30	13.42	3322	24.951	30203	0.0909	5.94

STATION 97.32 (Interpolated Values at Standard Depths)

HORIZON: 32°11.5'N 117°17'W; March 12, 1952; 1418, 1459 GCT; wire angle: 32°, 24°; sounding: 700 fms; depth of observation: 1,120, 280 m.; weather: partly cloudy; sea: rough; wind: 320°, force 4

00	14.2	3326	24822	31358	0.0000	5.90
10	14.3	3325	24.793	31657	0.0316	5.90
20	14.3	3335	24.870	30951	0.0630	5.90
30	14.2	3331	24.860	31072	0.0941	5.89
50	14.2	3325	24.814	31564	0.1570	5.78
75	11.3	3328	25.404	25988	0.2293	4.90
100	10.3	3351	25.759	22654	0.2905	3.93
150	9.46	3392	26.219	18371	0.3938	2.90
200	8.73	3410	26.476	16002	0.4804	2.38
250	8.00	3411	26.596	14930	0.5583	2.12
300	7.19	3411	26.713	13858	0.6308	1.67
400	6.48	3422	26.896	12225	0.7623	0.81
500	6.03	3423	26.962	11691	0.8829	0.54
600	5.59	3429	27.064	10802	0.9964	0.42
700	5.15	3438	27.188	9693	1.0999	0.36
800	4.75	3444	27.281	8856	1.1936	0.38
1000	4.06	3449	27.396	7833	1.3623	0.64

STATION 97.40 (Interpolated Values at Standard Depths)

HORIZON: 31°55'N 117°51.5'W; March 12, 1952; 1938 GCT; wire angle: 10°; sounding: 500 fms; depth of observation: 483 m; weather: partly 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)
00	14.0	33.24	24.848	31107	00000	5.94
10	13.82	33.24	24.885	307.81	0.0311	5.94
20	13.8	33.24	24.889	307.68	0.0620	5.94
30	13.8	33.24	24.889	307.94	0.0929	5.95
50	13.8	3324	24.889	308.45	0.1548	5.95
75	12.0	3324	25.243	275.20	0.2282	5.50
100	10.6	33.30	25.544	247.01	0.2939	4.59
150	9.41	33.87	26.188	186.62	0.4030	2.98
200	8.36	33.98	26.440	163.35	0.4911	2.83
250	7.98	34.14	26.622	146.78	0.5692	2.18
300	7.43	34.16	26.718	138.24	0.6410	1.52
400	6.64	34.24	26.890	122.91	0.7726	0.78
500	(6.03)	(34.35)	(27.056)	(108.01)	(0.8891)	(0.43)

STATION 97.50 (Interpolated Values at Standard Depths)

HORIZON: 31°36'N 118°30'W; March 13, 1952; 0056 GCT; wire angle: 25°; sounding: 1,100 fms; depth of observation: 1,185 m; weather: cloudy; sea: very rough; wind: 280°, force 2

00	14.0	33.24	24.848	311.07	0.0000	6.01
10	13.7	33.24	24.910	305.46	0.0309	6.00
20	13.6	33.24	24.930	303.77	0.0615	6.00
30	13.6	33.24	24.930	304.04	0.0920	5.96
50	13.0	33.24	25.051	293.04	0.1520	5.37
75	10.6	33.26	25.512	249.45	0.2202	4.71
100	10.0	33.63	25.903	212.78	0.2783	3.92
150	9.03	33.92	26.288	177.00	0.3764	3.02
200	8.25	34.09	26.542	153.58	0.4596	2.25
250	7.75	34.14	26.656	143.46	0.5344	1.58
300	7.46	34.14	26.698	140.14	0.6058	1.35
400	6.52	34.23	26.898	122.04	0.7379	0.77
500	6.07	34.31	27.020	111.51	0.8557	0.45
600	5.52	34.35	27.120	102.69	0.9638	0.32
700	4.89	34.40	27.234	92.20	1.0622	0.32
800	4.51	34.43	27.300	86.35	1.1524	0.41
1000	3.91	34.48	27.403	77.26	1.3178	0.60

STATION 97.60 (Interpolated Values at Standard Depths)

HORIZON: 31°16'N 119°10'W; March 13, 1952; 0630 GCT; wire angle: 40°; sounding: 650 fms; depth of observation: 712 m; weather: intermittent light drizzle; sea: rough; wind: 300°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.2	33.28	24837	312.11	0.0000	5.85
10	14.1	33.30	24874	308.93	0.0312	5.84
20	14.1	33.29	24866	309.92	0.0623	5.88
30	14.1	33.28	24858	310.92	0.0935	5.90
50	14.1	33.31	24881	309.24	0.1558	5.80
75	14.1	33.28	24858	312.10	0.2339	5.83
100	11.7	33.33	25369	263.78	0.3063	4.79
150	10.09	33.69	25935	210.83	0.4258	3.24
200	8.76	33.99	26386	168.61	0.5213	2.87
250	7.85	34.05	26571	151.56	0.6019	2.60
300	7.38	34.12	26693	140.57	0.6755	1.80
400	6.70	34.21	26858	125.95	0.8098	0.85
500	6.27	34.14	26860	126.75	0.9372	0.53
600	5.63	34.35	27106	104.09	1.0537	0.35
700	5.05	34.40	27.215	94.19	1.1538	0.35

STATION 97.70 (Interpolated Values at Standard Depths)

HORIZON: 30°54.5'N 119°48'W; March 13, 1952; 1237 GCT; wire angle: 18°; sounding: 2,000 fms; depth of observation: 1,232 m; weather: rain; sea: rough; wind: 310°, force 5

00	14.7	33.35	24785	317.05	0.0000	5.80
10	14.64	33.37	24.814	314.64	0.0317	5.83
20	14.6	33.39	24.838	312.64	0.0632	5.81
30	14.6	33.39	24.838	312.92	0.0946	5.80
50	14.6	33.37	24822	314.93	0.1577	5.80
75	14.4	33.26	24.780	319.58	0.2375	5.73
100	12.2	33.24	25.206	279.41	0.3129	5.40
150	9.98	33.65	25.922	211.99	0.4366	3.78
200	8.72	34.03	26.423	165.05	0.5315	2.78
250	8.11	34.14	26.603	148.68	0.6105	2.20
300	8.04	34.11	26.590	150.73	0.6859	2.02
400	7.20	34.24	26.813	130.64	0.8277	0.97
500	6.08	34.31	27.019	111.64	0.9499	0.46
600	5.52	34.37	27.136	101.20	1.0573	0.39
700	5.04	34.40	27.216	94.06	1.1559	0.38
800	4.61	34.40	27.265	89.80	1.2488	0.37
1000	3.91	34.50	27.419	75.79	1.4162	0.62

STATION 100.29 (Interpolated Values at Standard Depths)

HORIZON: 31°42'N 116°43.5'W; March 15, 1952; 1044 GCT; wire angle: 12°; sounding: 45 fms; depth of observation: 73 m; weather: cloudy; sea: smooth; wind: 120°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.34	33.25	24991	297.52	0.0000	6.15
10	13.32	33.26	25002	296.66	0.0298	6.16
20	13.30	33.29	25030	294.32	0.0595	6.15
30	12.89	33.30	25.119	286.08	0.0886	5.99
50	10.88	33.50	25.650	235.91	0.1411	4.10
75	(9.56)	(33.85)	(26148)	(188.98)	(0.1945)	(3.11)

STATION 100.30 (Interpolated Values at Standard Depths)

HORIZON: 31°40.5'N 116°46.5'W; March 15, 1952; 0928 GCT; wire angle: 11°; sounding: 180 fms; depth of observation: 287 m; weather: partly cloudy; sea: smooth; wind: 140°, force 4

00	13.12	33.28	25.058	291.13	0.0000	5.79
10	13.06	33.26	25.054	291.72	0.0293	5.73
20	12.98	33.33	25.124	285.31	0.0583	5.50
30	11.00	33.50	25.628	237.52	0.0845	4.18
50	10.12	33.69	25.930	209.26	0.1294	3.53
75	9.71	33.81	26.092	194.32	0.1801	3.15
100	9.34	34.01	26.309	174.19	0.2265	2.42
150	9.30	34.13	26.409	165.67	0.3120	1.96
200	9.04	34.18	26.490	158.88	0.3937	1.62
250	8.83	34.23	26.562	152.88	0.4722	1.34
300	(8.35)	(34.23)	(26.637)	(146.47)	(0.5476)	

STATION 100.40 (Interpolated Values at Standard Depths)

HORIZON: 31°25'N 117°27.5'W; March 15, 1952; 0350 GCT; wire angle: 5°; sounding: 880 fms; depth of observation: 1,156 m; weather: partly cloudy; sea: smooth; wind: 170°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.4	33.28	24.795	31611	0.0000	5.86
10	14.38	3322	24.753	32038	0.0320	5.88
20	(14.3)	33.22	(24.770)	(31904)	(0.0641)	5.89
30	(14.3)	33.22	(24.770)	(31931)	(0.0961)	5.90
50	(14.2)	33.22	(24.791)	(31784)	(0.1601)	5.89
75	(13.3)	3319	(24.952)	(30305)	(0.2381)	5.61
100	(10.4)	33.39	(25.648)	(23705)	(0.3060)	4.54
150	9.55	33.80	26.111	19400	0.4145	3.31
200	9.25	34.02	26.331	17399	0.5072	2.08
250	902	34.24	26540	15509	0.5901	130
300	8.35	34.27	26668	14352	0.6653	0.93
400	7.20	34.27	26.837	12843	0.8024	0.60
500	6.41	34.31	26.976	11604	0.9257	0.47
600	5.72	34.33	27.080	10674	1.0381	0.40
700	5.16	34.35	27.163	9927	1.1421	035
800	4.70	34.41	27.263	9017	1.2378	0.38
1000	3.98	34.51	27.420	7588	1.4057	0.64

STATION 100.50 (Interpolated Values at Standard Depths)

HORIZON: 31°01'N 118°02'W; March 14, 1952; 2146 GCT; wire angle: 15°; sounding: 940 fms; depth of observation: 1,127 m; weather: partly cloudy; sea: moderate; wind: 180°, force 3-4

00	14.7	33.28	24732	32218	0.0000	5.90
10	1418	33.26	24.826	31345	0.0319	5.88
20	141	33.27	24.851	31139	0.0633	5.88
30	141	33.30	24.874	30945	0.0945	5.89
50	142	33.33	24.876	30978	0.1567	5.89
75	121	33.27	25248	27480	0.2302	5.02
100	10.4	3338	25.640	23779	0.2947	4.50
150	9.69	33.80	26.087	19623	0.4039	3.25
200	8.88	34.03	26.398	16749	0.4955	2.67
250	8.31	34.17	26596	14943	0.5753	1.99
300	7.92	34.25	26717	13861	0.6479	1.28
400	6.94	34.26	26.865	12553	0.7810	0.72
500	6.07	34.26	26980	11521	0.9024	043
600	5.52	3435	27120	10269	1.0123	0.34
700	5.02	3439	27.211	9455	1.1119	0.36
800	4.60	34.42	27.282	8820	1.2042	0.40
1000	3.92	34.50	27.418	7590	1.3701	0.60

STATION 100.60 (Interpolated Values at Standard Depths)

HORIZON: 30°44.5'N 118°48'W; March 14, 1952; 1558 GCT; wire angle: 5°; sounding: 1,600 fms; depth of observation: 1,230 m; weather: partly cloudy; sea: rough; wind: 190°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.2	33.30	24.853	310.64	0.0000	585
10	14.18	33.28	24.842	311.98	0.0313	588
20	14.2	33.30	24.853	311.18	0.0626	587
30	14.2	33.30	24.853	311.45	0.0939	585
50	14.1	33.24	24.827	314.37	0.1568	586
75	14.0	33.25	24.856	312.31	0.2356	582
100	12.5	33.35	25.233	276.83	0.3097	509
150	10.05	33.58	25.856	218.30	0.4343	392
200	9.07	33.82	26.204	185.95	0.5361	319
250	8.49	34.06	26.482	160.26	0.6233	247
300	8.03	34.19	26.654	144.67	0.7001	171
400	6.91	34.21	26.830	128.83	0.8379	089
500	5.98	34.28	27.008	112.55	0.9596	048
600	5.48	34.35	27.125	102.17	1.0679	036
700	4.99	34.39	27.214	94.18	1.1670	037
800	4.58	34.43	27.292	87.21	1.2586	041
1000	4.01	34.47	27.385	79.20	1.4269	059

STATION 100.70 (Interpolated Values at Standard Depths)

HORIZON: 30°20'N 119°25'W; March 14, 1952; 1023 GCT; wire angle: 16°; sounding: 1,600 fms; depth of observation: 1,139 m; weather: cloudy; sea: rough; wind: 280°, force 2

00	15.6	33.57	24.758	319.66	0.0000	5.70
10	15.51	33.60	24.801	315.86	0.0319	5.72
20	15.5	33.57	24.790	317.19	0.0637	5.71
30	155	33.57	24.790	317.48	0.0956	5.69
50	15.5	33.58	24.798	317.32	0.1594	5.65
75	15.5	33.58	24.798	318.04	0.2393	5.70
100	15.4	33.56	24.795	319.03	0.3194	5.62
150	10.90	33.51	25.654	237.68	0.4595	4.43
200	9.30	33.84	26.183	188.07	0.5667	3.45
250	8.24	34.04	26.505	158.00	0.6538	2.66
300	7.59	34.10	26.648	144.95	0.7301	1.98
400	6.46	34.15	26.843	127.17	0.8672	0.95
500	5.84	34.23	26.986	114.44	0.9890	0.58
600	5.43	34.37	27.147	100.06	1.0972	044
700	5.00	34.43	27.245	91.35	1.1938	041
800	4.62	34.47	27.320	84.74	1.2827	0.42
1000	3.97	34.52	27.429	75.03	1.4442	0.59

STATION 100.80 (Interpolated Values at Standard Depths)

HORIZON: 29°56'N 120°05'W; March 14, 1952; 0442 GCT; wire angle: 10°; sounding: 2,200 fms; depth of observation: 1,301 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)
00	15.0	33.37	24.736	321.74	0.0000	5.80
10	14.81	33.39	24.793	316.65	0.0320	5.80
20	14.8	33.39	24.795	316.72	0.0638	5.80
30	14.8	33.39	24.795	317.00	0.0956	5.80
50	14.8	33.38	24.787	318.28	0.1594	5.80
75	14.6	33.32	24.784	319.25	0.2395	5.58
100	12.5	33.23	25.141	285.65	0.3156	5.32
150	9.85	33.42	25.765	226.87	0.4446	4.07
200	8.71	33.94	26.354	171.55	0.5449	3.11
250	7.95	34.05	26.556	153.00	0.6266	2.47
300	7.39	34.11	26.684	141.37	0.7008	1.90
400	6.40	34.19	26.882	123.41	0.8342	0.98
500	5.74	34.27	27.030	110.19	0.9520	0.47
600	5.25	34.36	27.160	98.53	1.0573	0.31
700	4.84	34.39	27.231	92.32	1.1536	0.32
800	4.49	34.43	27.302	86.11	1.2437	0.40
1000	3.89	34.48	27.405	77.02	1.4086	0.62

STATION 100.90 (Interpolated Values at Standard Depths)

HORIZON: 29°40'N 120°47'W; March 13, 1952; 2230, 2254 GCT; wire angle: 31°,42°; sounding: 2,150 fms; depth of observation: 9, 951 m; weather: partly cloudy; sea: rough; wind: 290°, force 4

00	14.9	33.31	24.712	324.07	0.0000	5.86
10	14.6	33.31	24.776	318.22	0.0322	5.84
20	14.6	33.31	24.776	318.49	0.0642	5.82
30	14.6	33.32	24.784	318.03	0.0962	5.85
50	14.4	33.32	24.826	314.53	0.1598	5.88
75	14.2	33.29	24.845	313.37	0.2387	5.86
100	11.5	33.24	25.336	266.87	0.3117	5.54
150	9.23	33.42	25.866	217.08	0.4335	4.08
200	8.46	33.94	26.393	167.80	0.5304	3.43
250	7.86	34.02	26.546	153.93	0.6114	2.74
300	7.32	34.10	26.686	141.14	0.6857	1.80
400	6.46	34.21	26.890	122.72	0.8187	0.79
500	5.83	34.26	27.011	112.09	0.9371	0.43
600	5.29	34.34	27.140	100.51	1.0444	0.28
700	4.84	34.39	27.231	92.32	1.1417	0.31
800	4.46	34.43	27.305	85.75	1.2316	0.41
1000	(3.84)	(34.48)	(27.411)	(76.43)	(1.3956)	(0.58)

STATION 105.32 (Interpolated Values at Standard Depths)

HORIZON: 30°45.5'N 116°20.5'W; March 15, 1952; 1715 GCT; wire angle: 1°; sounding: 43 fms; depth of observation: 50 m; weather: cloudy; sea: slight; wind: 130°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	13.58	33.29	24.973	299.20	0.0000	6.15
10	13.52	33.28	24.977	299.04	0.0300	6.20
20	13.09	33.33	25.102	287.39	0.0594	6.06
30	11.54	33.37	25.430	256.44	0.0867	4.88
50	10.90	33.57	25.701	231.09	0.1357	3.82

STATION 105.35 (Interpolated Values at Standard Depths)

HORIZON: 30°38'N 116°33.5'W; March 15, 1952; 1926 GCT; wire angle: 14°; sounding: 670 fms; depth of observation: 957 m; weather: drizzle; sea: moderate; wind: 140°, force 4

00	14.2	33.28	24.837	312.11	0.0000	5.97
10	14.06	33.28	24.867	309.59	0.0312	6.02
20	14.0	33.26	24.864	310.13	0.0623	6.05
30	13.8	33.26	24.905	306.47	0.0933	6.05
50	12.6	33.30	25.175	281.15	0.1524	5.29
75	11.1	33.51	25.618	239.47	0.2178	4.15
100	10.4	33.74	25.920	211.22	0.2745	3.50
150	9.81	34.29	26.449	161.99	0.3684	2.20
200	8.71	34.22	26.573	150.85	0.4472	1.93
250	8.19	34.25	26.677	141.73	0.5209	1.48
300	7.90	34.28	26.744	136.10	0.5909	1.02
400	7.01	34.34	26.918	120.58	0.7203	0.54
500	6.13	34.37	27.059	107.85	0.8355	0.38
600	5.59	34.41	27.159	99.14	0.9399	0.28
700	5.13	34.43	27.230	92.98	1.0369	0.30
800	4.71	34.44	27.286	88.07	1.1283	0.38
1000	(4.08)	(34.48)	(27.386)	(79.32)	(1.2975)	(0.61)

STATION 105.40 (Interpolated Values at Standard Depths)

HORIZON: 30°28.5'N 116°54'W; March 15, 1952; 2344 GCT; wire angle: 37°; sounding: 1,360 fms; depth of observation: 1,099 m; weather: cloudy; sea: rough; wind: 160°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	15.1	(3337)	(24.715)	(323.80)	(0.0000)	5.92
10	14.7	(3337)	(24.801)	(315.87)	(0.0321)	5.90
20	14.6	33.37	24.822	314.10	0.0637	5.94
30	14.4	33.38	24.872	309.59	0.0950	5.94
50	14.5	33.39	24.859	311.42	0.1574	5.93
75	12.6	33.33	25.199	279.56	0.2317	5.35
100	11.3	33.42	25.512	250.12	0.2983	4.12
150	9.63	33.85	26.136	191.58	0.4095	3.22
200	8.84	34.04	26.412	166.14	0.4996	2.43
250	8.19	34.14	26.591	149.86	0.5792	1.90
300	7.72	34.22	26.723	137.93	0.6517	1.18
400	7.03	34.31	26.892	123.08	0.7832	0.53
500	6.07	34.35	27.051	108.54	0.9000	0.40
600	5.39	34.41	27.183	96.58	1.0035	0.35
700	4.92	34.45	27.270	88.87	1.0971	0.35
800	4.55	34.46	27.319	84.63	1.1847	0.42
1000	3.92	34.48	27.402	77.38	1.3485	0.63

STATION 105.50 (Interpolated Values at Standard Depths)

HORIZON: 29°04'N 117°33'W; March 16, 1952; 0525 GCT; wire angle: 35°; sounding: 580 fms; depth of observation: 811 m; weather: overcast; sea: very rough; wind: 180°, force 5

00	15.1	33.35	24.699	325.27	0.0000	5.83
10	14.7	33.37	24.801	315.87	0.0322	5.84
20	14.6	33.37	24.822	314.10	0.0638	5.86
30	14.4	33.32	24.826	313.99	0.0953	5.91
50	14.3	33.27	24.809	316.17	0.1586	5.93
75	13.2	33.32	25.073	291.60	0.2350	5.82
100	11.7	33.45	25.462	254.95	0.3038	5.57
150	9.42	33.75	26.093	195.63	0.4172	3.46
200	8.83	33.93	26.328	174.12	0.5103	2.87
250	8.52	34.04	26.462	162.19	0.5950	2.15
300	8.08	34.25	26.693	140.97	0.6714	1.29
400	7.15	34.28	26.852	126.99	0.8065	0.69
500	6.34	34.31	26.985	115.10	0.9286	0.41
600	5.74	34.39	27.124	102.57	1.0384	0.28
700	5.21	34.41	27.204	95.47	1.1384	0.29
800	4.71	34.43	27.278	88.81	1.2315	0.39
1000	(4.00)	(34.46)	(27.378)	(79.82)	(1.4020)	: -

STATION 105.60 (Interpolated Values at Standard Depths)

HORIZON: 29°37'N 118°11'W; March 16, 1952; 1232 GCT; wire angle: 0°; sounding: 1,970 fms; depth of observation: 1,314 m; weather: partly cloudy; sea: very rough; wind: 260°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	16.0	33.60	24.691	326.02	0.0000	5.65
10	15.7	33.60	24.759	319.89	0.0324	5.68
20	15.7	33.59	24.751	320.91	0.0646	5.70
30	15.7	33.58	24.743	321.93	0.0969	5.70
50	15.7	33.61	24.766	320.33	0.1614	5.69
75	15.7	33.61	24.766	321.05	0.2420	5.50
100	15.7	33.54	24.713	326.87	0.3235	5.29
150	10.71	33.50	25.680	235.18	0.4650	4.82
200	9.29	33.80	26.153	190.86	0.5723	3.22
250	8.49	34.02	26.451	163.22	0.6615	2.41
300	7.95	34.11	26.603	149.41	0.7403	2.06
400	7.11	34.19	26.787	133.08	0.8827	1.82
500	6.28	34.27	26.961	117.26	1.0089	1.09
600	5.71	34.31	27.065	108.08	1.1226	0.53
700	5.10	34.37	27.186	97.04	1.2261	0.37
800	4.62	34.42	27.280	88.43	1.3198	0.30
1000	4.00	34.47	27.386	79.09	1.4892	0.45

STATION 105.70 (Interpolated Values at Standard Depths)

HORIZON: 29°33'N 118°50'W; March 16, 1952; 2048 GCT; wire angle: 16°; sounding: 1,900 fms; depth of observation: 1,292 m; weather: intermittent light rain; sea: very rough; wind: 250°, force 6

00	15.8	33.49	24.652	329.77	0.0000	5.74
10	15.45	33.46	24.707	324.83	0.0329	5.75
20	15.4	33.46	24.718	324.06	0.0655	5.78
30	15.4	33.46	24.718	324.34	0.0980	5.79
50	15.4	33.49	24.741	322.72	0.1630	5.76
75	15.4	33.49	24.741	323.42	0.2442	5.73
100	15.4	33.47	24.726	325.60	0.3258	5.62
150	11.47	33.48	25.528	249.81	0.4706	4.84
200	9.69	33.74	26.041	201.66	0.5843	3.79
250	8.79	33.97	26.365	171.47	0.6783	3.13
300	8.12	34.12	26.586	151.18	0.7596	1.69
400	7.16	34.18	26.772	134.52	0.9036	1.03
500	6.28	34.25	26.945	118.73	1.0313	0.57
600	5.65	34.33	27.088	105.83	1.1446	0.40
700	5.20	34.38	27.182	97.56	1.2473	0.40
800	4.80	34.41	27.252	91.41	1.3427	0.40
1000	4.08	34.47	27.378	80.06	1.5161	0.57

STATION 105.80 (Interpolated Values at Standard Depths)

HORIZON: 29°21'N 119°27'W; March 17, 1952; 0300 GCT; Wire angle: 32°; sounding: 2,000 fms; depth of observation: 1,233 m.; weather: cloudy; sea: high; wind: 310°, force 7

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
0	15.7	33.51	24.690	326.18	.0000	5.73
10	15.5	33.48	24.721	323.49	.0326	5.72
20	15.5	33.52	24.752	320.85	.0649	5.70
30	15.5	33.53	24.759	320.40	.0971	5.73
50	15.5	33.49	24.729	323.90	.1619	5.90
75	15.5	33.53	24.759	321.69	.2431	5.74
100	15.7	33.55	24.720	326.14	.3246	5.42
150	10.44	33.55	25.766	226.95	.4638	4.62
200	9.05	33.86	26.238	182.68	.5669	3.68
250	8.43	34.02	26.460	162.32	.6538	2.71
300	8.23	34.09	26.546	155.02	.7337	2.07
400	7.07	34.21	26.808	131.03	..8779	0.96
500	6.22	34.26	26.961	117.19	1.0031	0.57
600	5.73	34.32	27.070	107.61	1.1165	0.43
700	5.38	34.39	27.168	99.11	1.2209	0.34
800	4.90	34.45	27.272	89.70	1.3163	0.33
1000	4.04	34.56	27.457	72.56	1.4804	0.63

STATION 110.35 (Interpolated Values at Standard Depths)

CREST: 29°45.5'N 115°58'W;March 16, 1952; 0211 GCT; Wire angle: 3° sounding: 750 fms; depth of observation: 1,165 m,; weather: overcast; sea: moderate; wind: 200°, force 4

0	-	33.40	-	-	-	5.75
10	14.80	33.42	-	-	-	5.87
20	-	33.41	-	-	-	5.82
30	-	33.38	-	-	-	5.82
50	-	33.35	-	-	-	5.86
75	-	33.50	-	-	-	4.36
100	10.52	33.66	25.837	219.13	-	3.55
150	10.41	34.25	26.316	174.85	.0992	1.48
200	9.96	34.42	26.525	155.90	.1825	1.01
250	9.28	34.42	26.639	145.91	.2585	0.82
300	8.74	34.36	26.678	142.82	.3312	0.72
400	7.36	34.36	26.885	124.04	.4657	0.50
500	6.46	34.36	27.009	113.01	.5852	0.39
600	5.74	34.43	27.156	99.60	.6925	0.33
700	5.09	34.46	27.258	90.26	.7883	0.37
800	4.62	34.47	27.320	84.74	.8767	0.42
1000	4.06	34.50	27.404	77.39	1.0408	0.61

STATION 110.40 (Interpolated Values at Standard Depths)

CREST : 29°36'N 116°19'W; March 16, 1952; 0518 GCT; wire angle: 16°; sounding: 1,320 fms; depth of observation: 1,119 m; weather: partly cloudy; sea: slight; wind: 180°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.9	33.35	24.742	32115	0.0000	586
10	14.7	33.37	24.801	315.87	0.0320	579
20	14.7	33.34	24.778	318.34	0.0638	579
30	14.5	33.33	24.813	315.28	0.0956	580
50	14.5	33.40	24.867	310.69	0.1585	574
75	12.6	33.30	25.175	281.76	0.2330	507
100	11.0	33.47	25.605	241.26	0.2988	418
150	9.67	33.90	26.169	188.53	0.4070	308
200	9.11	34.17	26.471	160.71	0.4949	250
250	8.53	34.20	26.586	150.51	0.5733	186
300	7.94	34.22	26.691	141.13	0.6468	131
400	6.96	34.32	26.910	121.36	0.7791	068
500	6.29	34.32	26.999	113.69	0.8976	042
600	5.74	34.39	27.124	102.57	1.0067	036
700	5.09	34.41	27.219	93.95	1.1059	036
800	4.59	34.44	27.299	86.59	1.1971	040
1000	3.97	34.49	27.405	77.25	1.3628	063

STATION 110.50 (Interpolated Values at Standard Depths)

CREST: 29°17'N 116°59'W; March 16, 1952; 1047 GCT; wire angle: 38°; sounding: 1,700 fms; depth of observation: 1,067 m; weather: intermittent rain; sea: rough; wind: 290°, force 4. 9

00	14.6	33.33	24.791	316.48	0.0000	5.72
10	14.5	33.30	24.790	316.94	0.0318	5.47
20	14.5	33.33	24.813	315.40	0.0635	5.56
30	14.5	33.33	24.813	315.28	0.0952	5.56
50	14.5	33.32	24.805	316.55	0.1587	5.55
75	13.5	33.28	24.981	300.31	0.2362	5.32
100	11.2	33.30	25.437	257.22	0.3063	4.73
150	10.00	33.85	26.074	197.56	0.4208	3.43
200	9.26	34.12	26.408	166.75	0.5125	2.24
250	8.75	34.17	26.528	156.08	0.5938	1.68
300	8.21	34.21	26.643	145.86	0.6699	1.26
400	7.02	34.24	26.838	128.12	0.8080	0.75
500	5.95	34.30	27.027	110.68	0.9284	0.58
600	5.35	34.34	27.132	101.26	1.0353	0.50
700	4.96	34.39	27.218	93.81	1.1338	0.46
800	4.58	34.44	27.300	86.47	1.2249	0.48
1000	3.94	34.50	27.416	76.14	1.3893	0.64

STATION 110.60 (Interpolated Values at Standard Depths)

CREST: 28°54.5'N 117°39'W March 16, 1952; 1625 GCT; wire angle: 19°; sounding: 2,150 fms; depth of observation: 948 m; weather: partly cloudy; sea: very rough; wind: 300°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	15.1	33.40	24.738	321.61	0.0000	0.00
10	14.9	33.39	24.773	318.50	0.0321	0.00
20	14.9	33.39	24.773	318.77	0.0641	0.00
30	15.0	33.39	24.752	321.11	0.0962	5.70
50	14.8	33.40	24.802	316.81	0.1603	5.68
75	14.7	33.39	24.816	316.18	0.2399	5.62
100	12.54	33.24	25.141	285.66	0.3156	5.33
150	10.72	33.79	25.903	213.98	0.4414	3.36
200	9.56	34.09	26.335	173.74	0.5390	2.51
250	8.61	34.12	26.511	157.64	0.6224	2.24
300	7.87	34.12	26.623	147.50	0.6993	1.89
400	6.69	34.20	26.852	126.55	0.8374	1.07
500	6.49	34.35	26.997	114.17	0.9588	0.47
600	5.86	34.39	27.109	104.13	1.0689	0.33
700	5.14	34.43	27.228	93.10	1.1685	0.32
800	4.75	34.47	27.305	86.35	1.2591	0.39
1000	(4.10)	(34.47)	(27.376)	(80.29)	(1.4276)	-

STATION 110.70 (Interpolated Values at Standard Depths)

CREST: 28°36'N 118°18' March 16, 1952; 2226 GCT; wire angle: 35°; sounding: 1,800 fms; depth of observation: 1,057 m; weather: cloudy; sea: very rough; wind: 260°, force 6.

00	16.1	33.62	24.684	326.72	0.0000	5.53
10	15.9	33.62	24.729	322.72	0.0326	5.42
20	15.9	33.62	24.729	323.01	0.0650	5.49
30	15.9	33.62	24.729	323.30	0.0974	5.50
50	15.9	33.62	24.729	323.88	0.1624	5.51
75	15.9	33.61	24.721	325.34	0.2440	5.54
100	15.9	33.60	24.714	326.79	0.3260	5.26
150	11.53	33.48	25.517	250.86	0.4714	4.35
200	10.34	33.73	25.923	213.06	0.5882	2.73
250	9.53	34.21	26.434	165.39	0.6835	1.92
300	8.82	34.25	26.580	152.19	0.7635	1.49
400	7.70	34.29	26.781	134.13	0.9078	0.84
500	7.06	34.33	26.904	123.55	1.0377	0.44
600	6.11	34.35	27.046	110.41	1.1557	0.32
700	5.25	34.39	27.184	97.46	1.2606	0.30
800	4.77	34.41	27.255	91.03	1.3558	0.34
1000	4.04	34.47	27.382	79.56	1.5283	0.54

STATION 113.30 (Interpolated Values at Standard Depths)

CREST: 29°22'N 115°17'W; March 15, 1952; 2113 GCT: wire angle: 0°: sounding: 30 fms; depth of observation: 30 m; weather: cloudy; sea: slight; wind: 120° force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.07	33.53	25.057	29.120	0.0000	5.96
10	13.50	33.53	25.174	28.030	0.0287	5.80
20	13.46	33.53	25.182	27.978	0.0568	5.44
30	13.46	33.55	25.198	27.858	0.0848	5.40

STATION 113.35 (Interpolated Values at Standard Depths)

CREST: 29°07'N 115°36'W; March 15, 1952; 1756 GCT: wire angle: 6°: sounding: 950 fms; depth of observation: 1,165 m; weather: distant precipitation; sea: slight; wind: 150°, force 2.

00	14.4	33.22	24.749	320.51	0.0000	5.86
10	14.04	33.30	24.886	307.73	0.0315	5.95
20	14.0	33.27	24.871	309.40	0.0625	5.84
30	14.0	33.26	24.864	310.40	0.0936	5.74
50	12.8	33.33	25.160	282.67	0.1532	5.60
75	11.5	33.46	25.507	250.11	0.2202	4.38
100	10.4	33.64	25.843	218.59	0.2792	3.95
150	9.52	34.00	26.272	178.74	0.3792	2.86
200	9.37	34.24	26.483	159.63	0.4644	1.50
250	9.18	34.35	26.600	149.48	0.5422	0.98
300	8.64	34.36	26.694	141.29	0.6154	0.82
400	7.47	34.39	26.893	123.40	0.7488	0.49
500	6.49	34.35	26.997	114.17	0.8686	0.35
600	5.67	34.39	27.133	101.65	0.9775	0.30
700	5.13	34.39	27.198	95.94	1.0772	0.32
800	4.66	34.40	27.260	90.41	1.1713	0.36
1000	3.94	34.50	27.416	76.14	1.3397	0.68

STATION: 113.40 (Interpolated Values at Standard Depths)

CREST: 29°03'N 115°57'W; March 15, 1952; 1458 GCT; wire angle: 4°; sounding: 1,000 fms; depth of observation: 1,173 m; weather: partly cloudy; sea: slight; wind: 280°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	$\cdot \Delta D$ (dyn.m.)	O_2 (ml/L)
00	15.4	33.46	24.718	323.49	0.0000	5.67
10	15.14	33.44	24.760	319.80	0.0323	5.68
20	15.0	33.41	24.767	319.38	0.0644	5.74
30	15.0	33.41	24.767	319.66	0.0965	5.77
50	15.0	33.42	24.775	319.48	0.1607	5.67
75	15.0	33.40	24.759	321.63	0.2413	5.73
100	12.5	33.49	25.342	266.55	0.3153	4.48
150	9.91	33.75	26.012	203.47	0.4336	3.57
200	9.46	34.05	26.320	175.09	0.5289	2.77
250	8.93	34.20	26.523	156.65	0.6124	1.71
300	8.26	34.23	26.651	145.12	0.6884	1.14
400	7.58	34.32	26.822	130.16	0.8271	0.62
500	6.61	34.36	26.989	115.06	0.9508	0.34
600	5.77	34.36	27.097	105.17	1.0619	0.28
700	5.21	34.40	27.197	96.20	1.1636	0.32
800	4.78	34.43	27.270	89.68	1.2575	0.40
1000	(4.05)	34.50	(27.405)	(77.48)	(1.4265)	0.60

STATION 113.50 (Interpolated Values at Standard Depths)

CREST: 28°42'N 116°38'W; March 15, 1952; 0941 GCT; wire angle: 3°; sounding: 2,000 fms; depth of observation: 1,181 m; weather: drizzle; sea: moderate; wind: 220°, force 2.

00	15.6	33.48	24.689	326.24	0.0000	5.68
10	15.36	33.51	24.765	319.28	0.0324	5.75
20	15.3	33.54	24.801	316.11	0.0643	5.67
30	15.2	33.54	24.823	314.31	0.0959	5.63
50	15.2	33.51	24.800	317.06	0.1594	5.95
75	15.2	33.53	24.816	316.29	0.2390	5.70
100	15.0	33.46	24.805	317.94	0.3188	5.66
150	11.29	33.59	25.646	238.55	0.4589	3.93
200	9.63	33.89	26.168	189.62	0.5667	2.59
250	9.22	34.16	26.445	164.14	0.6558	2.01
300	9.19	34.23	26.505	159.47	0.7373	1.59
400	8.46	34.34	26.706	141.82	0.8892	0.53
500	6.82	34.34	26.944	119.44	1.0210	0.40
600	5.88	34.34	27.068	108.09	1.1358	0.37
700	5.24	34.35	27.153	100.29	1.2410	0.37
800	4.73	34.39	27.244	92.02	1.3381	0.39
1000	4.04	34.49	27.398	78.08	1.5101	0.67

STATION 113.60 (Interpolated Values at Standard Depths)

CREST: 28°23.5'N 117°13.5'W; March 15, 1952; 0506 GCT; wire angle: 3°; sounding: 2,000 fms; depth of observation: 1,170 m; weather: partly cloudy; sea: moderate; wind: 270°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	15.9	33.51	24.645	330.44	0.0000	5.61
10	15.36	33.46	24.727	322.93	0.0328	5.65
20	15.2	33.44	24.746	321.33	0.0651	5.73
30	15.2	33.44	24.746	321.61	0.0974	5.73
50	15.1	3.3.46	24.784	318.63	0.1617	5.66
75	15.0	33.46	24.805	317.25	0.2416	5.74
100	14.3	33.33	24.855	313.12	0.3209	5.55
150	10.43	33.60	25.806	223.09	0.4559	3.97
200	9.37	33.87	26.195	186.95	0.5591	3.31
250	8.49	34.06	26.482	160.26	0.6465	2.61
300	8.02	34.20	26.663	143.78	0.7231	1.54
400	7.56	34.33	26.833	129.13	0.8606	0.50
500	6.56	34.36	26.995	114.38	0.9834	0.39
600	5.85	34.39	27.111	104.00	1.0936	0.26
700	5.19	34.43	27.223	93.73	1.1934	0.31
800	4.73	34.45	27.291	87.57	1.2850	0.40
1000	4.11	34.49	27.391	78.94	1.4534	0.54

STATION 117.26 (Interpolated Values at Standard Depths)

CREST: 28°54'N 114°44'W; March 14, 1952; 0611 GCT; wire angle: 2°; sounding: 46 fms; depth of observation: 50 m; weather; clear; sea: rough; wind: 320°, force 4.

00	14.34	33.71	25.139	283.39	0.0000	5.95
10	14.32	33.71	25.143	283.27	0.0284	5.88
20	14.32	33.69	25.128	285.01	0.0569	5.86
30	14.30	33.68	25.124	285.61	0.0855	5.81
50	13.84	33.68	25.220	276.99	0.1420	5.13

STATION 117.30 (Interpolated Values at Standard Depths)

CREST: 28°48'N 114°57'W; March 14, 1952; 0803 GCT; wire angle: 4°; sounding: 56 fms; depth of observation: 75 m; weather; clear; sea: moderate· wind: 320°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.50	33.64	25.051	29175	0.0000	580
10	14.49	33.64	25.053	29182	0.0293	578
20	14.49	33.61	25.030	29431	0.0587	579
30	14.50	33.64	25.051	29258	0.0882	580
50	14.30	33.62	25.078	29054	0.1468	567
75	11.78	33.68	25.626	23888	0.2133	355

STATION 117.35 (Interpolated Values at Standard Depths)

CREST: 28°36.5'N 115°19'W; March 14, 1952; 1106 GCT; wire angle: 2°; sounding: 115 fms; depth of observation: 125 m; weather: cloudy; sea: moderate; wind: 030°, force 2.

00	15.12	33.69	24.956	30.081	0.0000	571
10	15.12	33.68	24.948	30.183	0.0303	566
20	15.11	33.64	24.920	30.483	0.0608	570
30	15.11	33.66	24.935	30.366	0.0913	565
50	15.12	33.69	24.956	30.223	0.1522	571
75	12.25	33.57	25.452	25.547	0.2223	409
100	10.27	33.81	25.997	20.389	0.2801	328

STATION 117.40 (Interpolated Values at Standard Depths)

CREST: 28°27'N 115°35'W; March 14, 1952; 1443 GCT; wire angle: 5°; sounding: 470 fms; depth of observation: 783 m; weather: partly cloudy; sea: moderate; wind: 010°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.8	33.57	24.933	302.99	0.0000	5.84
10	14.69	33.62	24.995	297.36	0.0301	5.79
20	14.7	33.63	25.001	297.10	0.0599	5.76
30	14.7	33.64	25.009	296.65	0.0897	5.75
50	14.6	33.64	25.030	295.16	0.1492	5.72
75	11.3	33.53	25.598	241.46	0.2167	4.20
100	10.3	33.70	25.907	212.52	0.2738	3.62
150	9.80	33.88	26.131	192.10	0.3756	3.17
200	9.49	34.31	26.518	156.38	0.4633	1.28
250	9.35	34.43	26.635	146.28	0.5395	0.68
300	8.67	34.40	26.720	138.80	0.6113	0.55
400	7.92	34.40	26.835	129.24	0.7464	0.45
500	6.67	34.40	27.012	112.92	0.8685	0.33
600	5.75	34.38	27.115	103.43	0.9776	0.33
700	5.20	34.42	27.214	94.60	1.0776	0.32
800	(4.71)	(34.42)	(27.270)	(89.55)	(1.1706)	(0.4)

STATION 117.50 (Interpolated Values at Standard Depths)

CREST: 28°08'N 116°15'W; March 14, 1952; 1853;1923 GCT; wire angle: 5°, 6°; sounding: 2,350 fms; depth of observation: 50, 1,161 m; weather: cloudy; sea: slight; wind: 220°, force 2.

00	15.6	33.53	24.727	322.59	0.0000	5.65
10	15.19	33.55	24.833	312.79	0.0319	5.72
20	15.1	33.50	24.814	314.87	0.0634	5.69
30	15.1	33.48	24.799	316.60	0.0951	5.69
50	14.8	33.51	24.887	308.77	0.1579	5.76
75	13.4	33.49	25.164	282.97	0.2323	4.39
100	11.7	33.60	25.578	243.92	0.2986	4.04
150	10.69	34.11	26.157	189.90	0.4078	2.04
200	10.45	34.36	26.394	168.51	0.4980	1.00
250	10.07	34.45	26.530	156.58	0.5799	0.65
300	9.37	34.42	26.624	148.34	0.6567	0.64
400	7.92	34.39	26.827	129.98	0.7970	0.45
500	6.74	34.36	26.971	116.85	0.9215	0.34
600	5.84	34.41	27.128	102.39	1.0321	0.30
700	5.25	34.44	27.223	93.76	1.1311	0.30
800	4.74	34.47	27.306	86.22	1.2220	0.32
1000	3.99	34.49	27.403	77.49	1.3875	0.63

STATION 117.60 (Interpolated Values at Standard Depths)

CREST: 27°49'N 116°51'W; March 15, 1952; 0020 GCT; wire angle: 11°; sounding: 2,100 fms; depth of observation: 1,151 m; weather: cloudy; sea: rough; wind: 300°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	15.3	33.46	247.40	321.39	0.0000	5.66
10	15.08	33.44	247.73	318.55	0.0321	5.76
20	15.1	33.44	247.68	319.25	0.0641	5.74
30	15.1	33.44	247.68	319.53	0.0962	5.70
50	14.9	33.44	248.12	315.95	0.1601	5.77
75	14.1	33.42	249.66	301.85	0.2378	5.71
100	13.5	33.47	251.28	287.01	0.3119	5.41
150	10.04	33.75	259.90	205.59	0.4359	3.20
200	9.88	34.20	263.67	170.81	0.5307	1.61
250	9.33	34.29	265.29	156.30	0.6131	1.36
300	8.36	34.21	266.20	148.10	0.6898	1.35
400	7.41	34.33	268.54	126.97	0.8284	0.49
500	6.39	34.34	270.02	113.55	0.9497	0.39
600	5.88	34.34	270.68	108.09	1.0615	0.36
700	5.30	34.37	271.62	99.57	1.1663	0.39
800	4.79	34.42	272.61	90.55	1.2623	0.44
1000	4.02	34.50	274.08	77.11	1.4318	0.62

STATION 120.25 (Interpolated Values at Standard Depths)

CREST: 28°21'N 114°15'W; March 14, 1952; 0114 GCT; wire angle: 0°; sounding: 30 fms; depth of observation: 30 m; weather: partly cloudy; sea: moderate; wind: 320°, force 4.

00	15.20	33.69	249.39	302.48	0.0000	5.80
10	15.20	33.69	249.39	302.77	0.0304	5.81
20	15.12	33.73	249.87	298.46	0.0606	5.75
30	15.08	33.71	249.80	299.37	0.0906	5.69

STATION 120.30 (Interpolated Values at Standard Depths)

CREST: 28°13'N 114°34'W; March 13, 1952; 2241 GCT; wire angle: 5°; sounding: 50 fms; depth of observation: 50 m; weather: partly cloudy; sea: moderate; wind: 290°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	14.88	33.68	25.001	29.657	0.0000	5.58
10	14.82	33.68	25.013	29.563	0.0297	5.50
20	14.78	33.66	25.007	29.656	0.0594	5.71
30	14.70	33.68	25.039	29.373	0.0890	5.71
50	14.12	33.62	25.116	28.694	0.1474	5.17

STATION 120.35 (Interpolated Values at Standard Depths)

CREST: 28°03'N 114°54'W; March 13, 1952; 2003 GCT; wire angle: 5°; sounding: 47 fms; depth of observation: 50 m; weather: overcast; sea: moderate; wind: 310°, force 5.

00	15.38	33.75	24.945	301.87	0.0000	5.62
10	15.24	33.75	24.976	299.22	0.0302	5.67
20	15.21	33.75	24.982	298.87	0.0602	5.66
30	15.19	33.69	24.941	303.12	0.0904	5.65
50	15.19	33.75	24.987	299.31	0.1509	5.62

STATION 120.45 (Interpolated Values at Standard Depths)

CREST: 27°40'N 115°28.5'W; March 13, 1952; 1238 GCT; wire angle: 28°; sounding: 950 fms; depth of observation: 883 m; weather: overcast; sea: rough; wind: 320°, force 4.

00	14.9	33.49	24.850	310.89	0.0000	5.73
10	14.8	33.54	24.910	305.46	0.0309	5.73
20	14.8	33.59	24.949	302.08	0.0614	5.69
30	14.8	33.66	25.002	297.24	0.0915	5.46
50	14.6	33.75	25.115	287.11	0.1502	5.09
75	11.9	33.42	25.402	260.16	0.2190	4.65
100	11.3	33.69	25.722	230.24	0.2807	3.27
150	11.43	34.40	26.249	181.44	0.3843	0.92
200	10.91	34.52	26.437	164.64	0.4714	0.60
250	9.84	34.51	26.616	148.34	0.5502	0.51
300	9.09	34.47	26.709	140.19	0.6229	0.44
400	8.01	34.41	26.829	129.84	0.7590	0.36
500	7.03	34.40	26.963	117.96	0.8840	0.32
600	6.16	34.40	27.079	107.38	0.9977	0.30
700	5.46	34.40	27.167	99.42	1.1021	0.30
800		34.41				0.44

STATION 120.50 (Interpolated Values at Standard Depths)

CREST: 27°30.5'N 115°50.5W; March 13, 1952; 0828 GCT; wire angle: 23°; sounding: 2,300 fms; depth of observation: 993 m; weather: overcast; 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)
00	16.6	33.89	24.776	317.96	0.0000	5.49
10	16.6	33.86	24.753	320.46	0.0320	5.44
20	16.6	33.89	24.776	318.57	0.0641	5.47
30	16.6	33.89	24.776	318.88	0.0961	5.48
50	16.6	33.89	24.776	319.48	0.1603	5.46
75	14.5	33.89	25.244	275.52	0.2351	5.44
100	12.6	33.73	25.508	250.79	0.3013	3.73
150	10.71	34.01	26.076	197.60	0.4142	2.30
200	10.08	34.20	26.334	174.10	0.5078	1.56
250	9.72	34.41	26.558	153.74	0.5904	0.97
300	9.11	34.42	26.666	144.19	0.6654	0.77
400	8.09	34.38	26.794	133.25	0.8052	0.53
500	7.06	34.38	26.943	119.86	0.9328	0.31
600	6.02	34.41	27.105	104.77	1.0461	0.27
700	5.25	34.46	27.239	92.28	1.1456	0.28
800	4.74	34.47	27.306	86.22	1.2358	0.40
1000	(4.02)	(34.47)	(27.384)	(79.32)	(1.4032)	(0.59)

STATION 120.60 (Interpolated Values at Standard Depths)

CREST: 27°13'N 116°31.5'W; March 13, 1952; 0258 GCT; wire angle: 20°; sounding: 2,100 fms; depth of observation: 1,150 m; weather: overcast; sea: very rough; wind: 340°, force 5.

00	15.6	33.78	24.919	304.31	0.0000	5.55
10	16.2	33.78	24.784	317.52	0.0312	5.57
20	16.2	33.78	24.784	317.82	0.0631	5.56
30	16.2	33.78	24.784	318.12	0.0950	5.54
50	16.1	33.77	24.799	317.26	0.1589	5.54
75	15.2	33.58	24.854	312.65	0.2381	5.64
100	13.5	33.57	25.205	279.69	0.3126	4.53
150	11.04	34.01	26.017	203.28	0.4342	2.32
200	10.46	34.41	26.431	165.00	0.5269	1.22
250	9.97	34.51	26.594	150.49	0.6063	0.66
300	9.36	34.47	26.665	144.49	0.6806	0.48
400	8.16	34.47	26.854	127.67	0.8178	0.33
500	7.12	34.47	27.005	114.06	0.9397	0.24
600	6.19	34.45	27.115	104.10	1.0498	0.20
700	5.43	34.47	27.226	93.84	1.1497	0.27
800	4.93	34.47	27.285	88.60	1.2419	0.36
1000	4.16	34.47	27.369	81.02	1.4134	0.54

STATION 120.70 (Interpolated Values at Standard Depths)

CREST: 26°52'N 117°10'W; March 12, 1952; 2129 GCT; wire angle: 20°; sounding: 2,050 fms; depth of observation: 1,200 m; weather: cloudy; sea: rough; wind: 360°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	16.6	33.82	24.722	323.06	0.0000	556
10	16.5	33.82	24.745	321.17	0.0323	547
20	16.4	33.82	24.769	319.26	0.0644	547
30	16.4	33.82	24.769	319.57	0.0965	547
50	16.3	33.82	24.792	317.98	0.1606	548
75	15.2	33.66	24.915	306.80	0.2391	517
100	12.6	33.67	25.461	255.20	0.3098	376
150	10.93	34.01	26.037	201.38	0.4247	224
200	10.46	34.29	26.338	173.83	0.5192	125
250	10.02	34.43	26.523	157.22	0.6026	076
300	9.36	34.42	26.626	148.19	0.6795	068
400	8.09	34.40	26.809	131.78	0.8206	043
500	6.86	34.42	27.002	114.09	0.9446	034
600	6.16	34.40	27.079	107.38	1.0563	025
700	5.64	34.41	27.153	101.01	1.1615	027
800	5.03	34.43	27.241	92.82	1.2594	037
1000	3.95	34.49	27.407	77.00	1.4311	063

STATION 120.80 (Interpolated Values at Standard Depths)

CREST: 26°30'N 117°48'W; March 12, 1952; 1600 GCT; wire angle: 25°; sounding: 2,000 fms; depth of observation: 1,058 m; weather: partly cloudy; sea: rough; wind: 010°, force 4.

00	15.7	33.62	24.774	318.14	0.0000	563
10	15.7	33.62	24.774	318.43	0.0320	558
20	15.7	33.62	24.774	318.72	0.0640	559
30	15.6	33.62	24.796	316.89	0.0959	560
50	15.6	33.62	24.796	317.46	0.1597	560
75	15.2	33.61	24.877	310.46	0.2386	551
100	12.2	33.47	25.384	262.49	0.3107	421
150	10.69	33.93	26.018	203.16	0.4279	257
200	9.87	34.14	26.322	175.07	0.5231	179
250	9.39	34.34	26.558	153.56	0.6058	112
300	8.94	34.34	26.631	147.41	0.6816	089
400	7.90	34.39	26.830	129.67	0.8212	054
500	6.94	34.34	26.928	121.12	0.9477	033
600	6.14	34.38	27.066	108.59	1.0636	027
700	5.51	34.43	27.184	97.84	1.1678	027
800	5.01	34.45	27.259	91.10	1.2632	033
1000	4.24	34.50	27.385	79.79	1.4360	053

STATION 120.90 (Interpolated Values at Standard Depths)

CREST: 26°13'N 118°27.5'W; March 12, 1952; 1037 GCT; wire angle: 6°; sounding: 2,300 fms; depth of observation: 1,170 m; weather: partly cloudy; sea: very rough; wind: 010°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	16.7	33.80	24.684	326.74	0.0000	5.51
10	16.44	33.78	24.729	322.76	0.0326	5.48
20	16.5	33.77	24.707	325.12	0.0651	5.47
30	16.5	33.77	24.707	325.42	0.0978	5.47
50	16.8	33.87	24.714	325.38	0.1632	5.46
75	16.7	33.87	24.737	323.92	0.2448	5.63
100	13.6	33.58	25.193	280.91	0.3209	4.94
150	10.49	33.78	25.936	210.83	0.4447	3.17
200	9.87	34.21	26.377	169.91	0.5406	1.86
250	9.39	34.29	26.519	157.26	0.6230	1.31
300	8.66	34.30	26.644	146.02	0.6994	1.03
400	7.12	34.31	26.879	124.34	0.8357	0.58
500	6.31	34.35	27.020	111.73	0.9548	0.40
600	5.74	34.37	27.109	104.04	1.0637	0.30
700	5.17	34.40	27.201	95.70	1.1645	0.34
800	4.69	34.44	27.288	87.83	1.2572	0.41
1000	4.03	34.52	27.423	75.75	1.4226	0.60

STATION 123.37 (Interpolated Values at Standard Depths)

CREST: 27°24'N 114°39'W; March 11, 1952; 0450 GCT; wire angle: 0°; sounding: 37 fms; depth of observation: 50 m; weather: partly cloudy; sea: rough; wind: 300°, force 4.

00	14.94	33.87	25.134	283.92	0.0000	5.55
10	14.92	33.86	25.130	284.52	0.0285	5.53
20	14.70	33.84	25.162	281.75	0.0569	5.25
30	13.38	33.77	25.384	260.89	0.0841	4.16
50	12.68	33.89	25.616	239.29	0.1344	3.38

STATION 123.40 (Interpolated Values at Standard Depths)

CREST: 27°18'N 114°51.5'W; March 11, 1952; 0706 GCT; wire angle: 16°; sounding: 300 fms; depth of observation: 447 m; weather: overcast; sea: moderate; wind: 280°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	15.29	33.78	24.988	297.78	0.0000	5.99
10	15.29	33.78	24.988	298.08	0.0299	5.87
20	15.29	33.78	24.988	298.36	0.0598	5.67
30	15.29	33.78	24.988	298.65	0.0898	5.40
50	13.84	33.77	25.290	270.40	0.1470	4.54
75	12.48	33.90	25.663	235.46	0.2106	2.81
100	12.28	34.18	25.918	211.80	0.2669	1.79
150	11.56	34.44	26.256	180.83	0.3657	0.89
200	10.67	34.53	26.488	159.76	0.4515	0.43
250	10.11	34.53	26.585	151.36	0.5298	0.37
300	9.41	34.45	26.641	146.79	0.6049	0.38
400	7.97	34.45	26.867	126.30	0.7425	0.33
500	(6.89)	(34.41)	26.990	(115.24)	(0.8643)	[illegible]

STATION: 123.50 (Interpolated Values at Standard Depths)

CREST: 26°58'N 115°30.5'W; March 11, 1952; 1242 GCT; wire angle: 26°; sounding: 2,000 fms; depth of observation: 1,032 m; weather: overcast; sea: moderate; wind: 260°, force 4.

00	16.8	33.91	24.745	320.94	0.0000	5.45
10	16.7	33.91	24.768	319.03	0.0321	5.43
20	16.6	33.84	24.738	322.22	0.0643	5.45
30	16.0	33.70	24.768	319.61	0.0965	5.51
50	15.3	33.68	24.909	306.73	0.1594	5.62
75	15.1	33.75	25.007	298.14	0.2354	5.24
100	12.2	33.72	25.577	244.13	0.3036	3.10
150	10.55	34.12	26.190	186.79	0.4121	2.09
200	9.90	34.33	26.465	161.54	0.4998	1.49
250	9.37	34.34	26.561	153.25	0.5791	0.91
300	8.60	34.34	26.684	142.15	0.6535	0.82
400	7.64	34.39	26.868	125.86	0.7886	0.43
500	6.81	34.42	27.009	113.38	0.9092	0.33
600	5.98	34.38	27.086	106.46	1.0201	0.29
700	5.39	34.38	27.159	99.99	1.1243	0.28
800	4.96	34.41	27.234	93.42	1.2220	0.32
1000	4.20	34.48	27.373	80.78	1.3981	0.50

STATION 123.60 (Interpolated Values at Standard Depths)

CREST: 26°37.5'N 116°08.5'W; March 11, 1952; 1837 GCT; wire angle: 13°; sounding: 2,100 fms; depth of observation: 1,211 m; weather: cloudy; sea: rough; wind: 270°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	17.1	33.98	24.728	322.57	0.0000	5.39
10	17.0	33.98	24.751	320.62	0.0323	5.40
20	17.0	33.98	24.751	320.93	0.0645	5.40
30	17.0	33.98	24.751	321.24	0.0967	5.40
50	16.9	33.98	24.775	319.63	0.1611	5.40
75	16.7	33.89	24.753	322.48	0.2418	5.24
100	13.9	33.58	25.131	286.83	0.3185	4.73
150	10.46	33.99	26.105	194.84	0.4397	2.70
200	9.77	34.33	26.487	159.43	0.5289	1.65
250	9.38	34.45	26.646	145.29	0.6056	0.98
300	9.12	34.47	26.704	140.67	0.6776	0.52
400	8.16	34.47	26.854	127.67	0.8128	0.36
500	7.00	34.45	27.006	113.83	0.9346	0.30
600	6.07	34.45	27.130	102.47	1.0437	0.25
700	5.37	34.47	27.233	93.08	1.1424	0.28
800	4.83	34.48	27.304	86.61	1.2332	0.32
1000	4.17	34.49	27.384	79.67	1.4013	0.50

STATION 127.34 (Interpolated Values at Standard Depths)

CREST: 26°55'N 114°05'W; March 10, 1952; 2312 GCT; wire angle: 5°; sounding: 40 fms; depth of observation: 50 m; weather: partly cloudy; sea: rough; wind: 270°, force 3.

00	16.25	33.95	24.903	305.89	0.0000	5.60
10	15.78	33.98	25.032	293.85	0.0301	5.60
20	15.36	33.93	25.088	288.87	0.0594	5.33
30	15.14	33.93	25.136	284.55	0.0882	5.23
50	12.76	33.68	25.438	256.22	0.1425	4.13

STATION 127.40 (Interpolated Values at Standard Depths)

CREST: 26°43'N 114°35'W; March 10, 1952; 1913 GCT; wire angle: 6°; sounding: 2,000 fms; depth of observation: 1,151 m; weather: partly cloudy; sea: rough; wind: 360°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	17.3	34.14	24.802	315.43	0.0000	5.41
10	17.04	34.18	24.895	306.96	0.0312	5.40
20	17.0	34.18	24.904	306.38	0.0620	5.38
30	17.0	34.18	24.904	306.68	0.0928	5.36
50	17.0	34.18	24,904	307.31	0.1545	5.39
75	15.0	34.09	25.290	271.22	0.2272	3.46
100	13.3	34.15	25.693	233.31	0.2907	1.90
150	11.29	34.27	26.174	188.53	0.3969	1.50
200	10.27	34.36	26.425	165.48	0.4860	1.17
250	9.72	34.45	26.589	150.79	0.5656	0.69
300	9.24	34.49	26.700	141.10	0.6391	0.44
400	8.07	34.48	26.875	125.57	0.7735	0.29
500	7.09	34.50	27.033	111.41	0.8930	0.23
600	6.11	34.43	27.109	104.49	1.0019	0.21
700	5.40	34.44	27.206	95.67	1.1029	0.24
800	4.87	34.47	27.291	87.85	1.1956	0.30
1000	4.17	34.55	27.432	75.24	1.3605	0.54

STATION 127.50 (Interpolated Values at Standard Depths)

CREST: 26°23'N 115°09'W; March 10, 1952; 1353 GCT; wire angle: 22°; sounding: 2,010 fms; depth of observation: 1,091 m; weather: partly cloudy; sea: moderate; wind: 290°, force 3.

00	16.4	33.82	24.769	318,66	0.0000	5.40
10	16.3	33.82	24.792	316.77	0.0319	5.44
20	16.3	33.86	24.822	314.16	0.0636	5.42
30	16.3	33.85	24.815	315.18	0.0952	5.41
50	16.2	33.77	24.776	319.43	0.1590	5.44
75	15.6	33.69	24.850	313.07	0.2385	5.38
100	14.1	33.78	25.243	271.02	0.3120	4.73
150	10.82	33.84	25.925	212.01	0.4336	2.81
200	9.74	34.16	26.360	171.47	0.5302	2.03
250	9.12	34.29	26.563	152.97	0.6119	1.30
300	8.57	34.33	26.681	142.42	0.6863	083
400	7.53	34.37	26.868	125.74	0.8215	042
500	6.69	34.39	27.001	113.95	0.9424	0.33
600	5.98	34.41	27.110	104.24	1.0525	0.29
700	5.41	34.43	27.196	96.54	1.1539	0.23
800	4.90	34.45	27.272	89.70	1.2480	0.29
1000	4.17	34.50	27.392	78.94	1.4185	052

STATION 127.60 (Interpolated Values at Standard Depths)

CREST: 26°03'N 115°47'W; March 10, 1952; 0759 GCT; wire angle: 22°; sounding: 2,050 fms; depth of observation: 1,057 m; weather: partly cloudy; 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)
00	17.0	33.93	24.713	323.96	0.0000	5.40
10	16.9	33.93	24.736	322.03	0.0324	5.40
20	16.9	33.88	24.698	325.98	0.0649	5.43
30	16.9	33.90	24.714	324.83	0.0976	5.42
50	16.8	33.91	24.745	322.48	0.1627	5.37
75	16.7	33.90	24.760	321.74	0.2437	5.36
100	15.3	33.87	25.055	294.28	0.3212	5.26
150	11.33	33.78	25.786	225.27	0.4520	3.54
200	9.70	34.03	26.265	180.41	0.5542	2.60
250	9.42	34.30	26.522	156.99	0.6392	1.34
300	9.09	34.35	26.615	149.04	0.7163	0.79
400	7.88	34.38	26.825	130.12	0.8570	0.48
500	6.87	34.41	26.993	114.96	0.9806	0.31
600	6.10	34.42	27.103	105.10	1.0916	0.28
700	5.49	34.43	27.187	97.59	1.1939	0.24
800	4.96	34.44	27.257	91.20	1.2893	0.29
1000	4.16	34.49	27.385	79.54	1.4619	0.48

STATION 130.30 (Interpolated Values at Standard Depths)

CREST: 26°29'N 113°29'W; March 9, 1952; 0807 GCT; wire angle: 2°; sounding: 44 fms; depth of observation: 50 m; weather: cloudy; sea: rough; wind: 310°, force 5.

00	16.95	34.22	24.947	301.70	0.0000	5.35
10	16.94	34.22	24.949	301.79	0.0303	5.33
20	16.94	34.22	24.949	302.11	0.0606	5.30
30	16.94	34.22	24.949	302.42	0.0909	5.33
50	16.90	34.22	24.958	302.15	0.1517	5.17

STATION 130.35 (Interpolated Values at Standard Depths)

CREST: 26°19'N 113°49'W; March 9, 1952; 1102 GCT; wire angle: 15°; sounding: 250 fms; depth of observation: 377 m; weather: overcast; sea: rough; wind: 260°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	16.82	34.09	24.878	308.26	0.0000	5.49
10	16.82	34.07	24.862	310.03	0.0310	5.41
20	16.82	34.07	24.862	310.35	0.0621	5.41
30	16.78	34.07	24.872	309.76	0.0932	5.43
50	16.51	33.99	24.873	310.20	0.1555	5.42
75	13.78	33.81	25.333	266.94	0.2280	3.80
100	12.96	34.18	25.785	224.57	0.2898	2.17
150	11.85	34.53	26.271	179.45	0.3915	0.91
200	10.95	34.60	26.492	159.45	0.4768	0.39
250	10.31	34.58	26.590	151.05	0.5550	0.30
300	9.71	34.53	26.653	145.77	0.6298	0.27
400	(7.84)	(34.51)	(26.933)	(119.92)	(0.7637)	[illegible]

STATION 130.40 (Interpolated Values at Standard Depths)

CREST: 26°08.5'N 114°08'W; March 9, 1952; 0209 GCT; wire angle: 20°; sounding: 1,300 fms; depth of observation: 1,212 m; weather: overcast; sea: rough; wind: 310°, force 5.

00	17.0	34.09	24.835	312.30	0.0000	5.43
10	16.9	34.06	24.836	312.55	0.0314	5.29
20	16.9	34.12	24.882	308.49	0.0626	5.30
30	16.8	34.14	24.921	305.10	0.0934	5.32
50	16.5	34.12	24.975	300.51	0.1543	5.26
75	15.6	33.84	24.965	302.12	0.2301	4.55
100	13.5	34.15	25.653	237.20	0.2979	2.00
150	12.18	34.50	26.185	187.71	0.4048	0.67
200	11.49	34.63	26.416	166.81	0.4941	0.41
250	10.91	34.65	26.538	156.24	0.5754	0.28
300	10.28	34.61	26.618	149.42	0.6524	0.24
400	8.49	34.51	26.835	129.75	0.7931	0.24
500	7.20	34.45	26.978	116.69	0.9174	0.19
600	6.30	34.47	27.116	104.10	1.0288	0.21
700	5.61	34.49	27.220	94.71	1.1292	0.23
800	5.07	34.51	27.300	87.43	1.2212	0.26
1000	4.22	34.53	27.411	77.34	1.3878	0.58

STATION 130.50 (Interpolated Values at Standard Depths)

CREST: 25°49'N 114°47'W; March 9, 1952; 2012 GCT; wire angle: 17°; sounding: 2,050 fms; depth of observation: 1,070 m; weather: cloudy; sea: very 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)
00	17.1	34.04	24.773	318.20	0.0000	5.39
10	16.9	34.05	24.828	313.28	0.0317	5.41
20	16.9	34.03	24.813	315.05	0.0632	5.39
30	16.8	34.02	24.829	313.85	0.0948	5.37
50	16.7	34.04	24.868	310.78	0.1576	5.36
75	15.2	33.75	24.985	300.23	0.2344	4.73
100	11.9	33.68	25.603	241.62	0.3026	3.74
150	10.61	34.05	26.125	192.96	0.4120	2.32
200	10.04	34.29	26.410	166.81	0.5026	1.39
250	9.51	34.39	26.577	151.81	0.5823	0.79
300	8.86	34.40	26.691	141.74	0.6567	0.58
400	7.97	34.42	26.843	128.50	0.7929	0.29
500	6.79	34.40	26.996	114.58	0.9155	0.27
600	5.83	34.41	27.129	102.26	1.0249	0.26
700	5.29	34.45	27.227	93.53	1.1237	0.27
800	4.89	34.48	27.297	87.35	1.2151	0.36
1000	4.08	34.51	27.410	77.09	1.3814	0.52

STATION 130.60 (Interpolated Values at Standard Depths)

CREST: 25°29'N 115°24'W; March 10, 1952; 0156 GCT; wire angle: 11°; sounding: 2500 fms; depth of observation: 1,217 m; weather: partly cloudy; sea: very rough; wind: 320°, force 5

00	16.3	33.84	24.807	315.02	0.0000	5.12
10	16.28	33.83	24.804	315.61	0.0317	5.08
20	16.3	33.84	24.807	315.62	0.0634	5.48
30	16.2	33.85	24.837	313.00	0.0950	5.53
50	16.1	33.84	24.853	312.16	0.1578	5.46
75	15.4	33.69	24.895	308.81	0.2359	5.59
100	12.9	33.54	25.302	270.37	0.3088	4.91
150	10.67	33.97	26.052	199.88	0.4272	2.67
200	10.13	34.25	26.364	171.24	0.5206	1.49
250	9.70	34.41	26.561	153.42	0.6023	0.83
300	9.06	34.47	26.713	139.71	0.6761	0.52
400	7.98	34.44	26.857	127.18	0.8106	0.30
500	6.94	34.43	26.999	114.47	0.9325	0.24
600	6.19	34.43	27.099	105.57	1.0435	0.26
700	5.56	34.45	27.194	97.01	1.1458	0.28
800	4.99	34.47	27.278	89.36	1.2399	0.30
1000	4.17	34.49	27.384	79.67	1.4108	0.50

STATION 133.25 (Interpolated Values at Standard Depths)

CREST: 26°04.5'N 112°48'W; March 9, 1952; 0301 GCT; wire angle: 3°; sounding: 40 fms; depth of observation: 50 m; weather: overcast; sea: moderate; wind: 240°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	18.02	34.47	24.880	308.03	0.0000	5.59
10	17.78	34.45	24.924	304.23	0.0307	5.46
20	17.62	34.51	25.008	296.49	0.0609	5.06
30	17.30	34.36	24.971	300.38	0.0909	4.31
50	16.12	34.22	25.139	284.87	0.1497	2.74

STATION 133.30 (Interpolated Values at Standard Depths)

CREST: 25°54'N 113°05'W; March 9, 1952; 0034 GCT; wire angle: 3°; sounding: 95 fms; depth of observation: 125 m; weather: overcast; sea: slight; wind: 240°, force 3.

00	17.92	34.47	24.905	305.69	0.0000	5.15
10	17.78	34.47	24.939	302.77	0.0305	5.05
20	17.74	34.45	24.933	303.62	0.0609	5.02
30	17.74	34.51	24.979	299.59	0.0912	4.97
50	17.34	34.40	24.992	299.01	0.1514	4.53
75	14.17	34.20	25.552	246.17	0.2199	2.05
100	13.18	34.38	25.895	214.14	0.2778	0.84

STATION 133.40 (Interpolated Values at Standard Depths)

CREST: 25°34.5'N 113°45.5'W; March 8, 1952; 1939 GCT; wire angle: 5°; sounding: 1,700 fms; depth of observation: 1,166 m; weather: overcast; sea: rough; wind: 250°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	18.8	34.51	24.717	323.61	0.0000	5.18
10	18.6	34.52	24.774	318.44	0.0322	5.17
20	18.5	34.51	24.792	317.12	0.0641	5.14
30	18.5	34.51	24.792	317.45	0.0960	5.13
50	18.5	34.52	24.799	317.39	0.1598	5.13
75	14.2	34.07	25.446	256.28	0.2319	2.85
100	12.9	34.14	25.766	226.36	0.2926	1.98
150	11.65	34.47	26.262	180.24	0.3949	0.93
200	10.85	34.58	26.494	159.18	0.4804	0.58
250	10.18	34.60	26.628	147.38	0.5576	0.39
300	9.63	34.55	26.682	142.99	0.6307	0.29
400	8.43	34.51	26.844	128.83	0.7677	0.23
500	7.07	34.61	27.122	103.02	0.8846	0.16
600	6.21	34.44	27.104	105.11	0.9896	0.16
700	5.56	34.45	27.194	97.01	1.0916	0.22
800	4.97	34.51	27.312	86.15	1.1841	0.29
1000	4.20	34.61	27.476	71.18	1.3432	0.46

STATION 133.50 (Interpolated Values at Standard Depths)

CREST: 25°14.5'N 114°24'W; March 8, 1952; 1504 GCT; wire angle: 2°; sounding: 1,800 fms; depth of observation: 1,155 m; weather: overcast; sea: moderate; wind: 310°, force 3.

00	17.8	34.23	24.751	320.37	0.0000	5.26
10	17.78	34.22	24.748	320.95	0.0322	5.25
20	17.8	34.23	24.751	321.02	0.0644	5.25
30	17.8	34.23	24.751	321.34	0.0966	5.25
50	17.7	34.25	24.790	318.21	0.1609	5.24
75	16.1	33.98	24.960	302.69	0.2389	4.61
100	12.2	33.67	25.539	247.80	0.3082	3.82
150	10.73	34.05	26.104	195.00	0.4197	2.19
200	10.27	34.37	26.433	164.74	0.5103	1.26
250	9.77	34.41	26.550	154.56	0.5907	0.78
300	9.15	34.40	26.644	146.30	0.6665	0.54
400	7.93	34.42	26.849	127.91	0.8047	0.29
500	6.88	34.41	26.991	115.11	0.9273	0.20
600	6.01	34.40	27.098	105.37	1.0385	0.23
700	5.37	34.43	27.201	96.03	1.1402	0.25
800	4.88	34.45	27.274	89.45	1.2339	0.30
1000	4.12	34.48	27.382	79.80	1.4050	0.49

STATION 137.23 (Interpolated Values at Standard Depths)

CREST: 25°33'N 112°20'W; March 7, 1952; 1956 GCT; wire angle: 0°; sounding: 45 fms; depth of observation: 50 m; weather: cloudy; sea: slight; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	19.03	34.49	24643	330.61	0.0000	4.97
10	18.94	34.49	24666	328.78	0.0331	5.00
20	18.91	34.49	24673	328.40	0.0661	5.07
30	18.92	34.49	24671	328.97	0.0991	5.08
50	18.12	34.47	24856	312.02	0.1635	4.45

STATION 137.30 (Interpolated Values at Standard Depths)

CREST: 25°20'N 112°45'W; March 7, 1952; 2255 GCT; wire angle: 0°; sounding: 195 fms; depth of observation: 296 m; weather: overcast; sea: slight; wind: 330°, force 3.

00	18.77	34.45	24.678	327.25	0.0000	5.13
10	18.63	34.47	24.729	322.78	0.0326	5.25
20	18.62	34.47	24.731	322.88	0.0650	5.25
30	18.62	34.47	24.731	323.21	0.0974	5.23
50	18.34	34.47	24.801	317.22	0.1618	4.94
75	14.11	34.20	25.565	244.96	0.2325	2.00
100	12.90	34.28	25.874	216.10	0.2905	1.17
150	12.10	34.60	26.278	178.90	0.3899	0.25
200	11.43	34.65	26.443	164.27	0.4763	0.10
250	11.09	(34.65)	(26.506)	(159.40)	(0.5578)	0.16
300	(10.71)	-	-	-	-	(0.16)

STATION 137.40 (Interpolated Values at Standard Depths)

CREST: 24°58.5'N 113°26.5'W; March 8, 1952; 0431 GCT; wire angle: 3°; sounding: 1,950 fms; depth of observation: 428 m; weather: overcast; sea: smooth; wind: 300°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)
00	18.9	34.47	-	-	-	515
10	18.8	-	-	-	-	-
20	18.7	-	-	-	-	-
30	18.6	-	-	-	-	-
50	18.5	-	-	-	-	-
75	14.5	-	-	-	-	-
100	13.1	-	-	-	-	-
150	10.98	34.30	26.253	180.90	0.0000	1.09
200	10.58	34.52	26.496	158.94	0.0856	0.61
250	9.97	34.53	26.609	149.02	0.1631	0.43
300	9.37	34.50	26.686	142.45	0.2365	0.31
400	8.23	34.47	26.843	128.73	0.3732	0.19

STATION 137.50 (Interpolated Values at Standard Depths)

CREST: 24°50'N 114°02'W; March 8, 1952; 0943 GCT; wire angle: 4°; sounding: 1,850 fms; depth of observation: 1,181 m; weather: cloudy; sea: slight; wind: 280°, force 2.

00	18.3	34.43	24.781	317.52	0.0000	5.23
10	18.32	34.43	24.776	318.32	0.0319	5.13
20	18.3	34.43	24.781	318.18	0.0639	5.11
30	18.3	34.43	24.781	318.52	0.0959	5.12
50	18.3	34.43	24.781	319.18	0.1600	5.14
75	16.2	34.42	25.274	272.81	0.2344	5.08
100	13.3	33.91	25.508	250.90	0.3003	2.82
150	11.59	34.34	26.173	188.71	0.4109	1.67
200	10.53	34.40	26.411	166.93	0.5005	1.02
250	9.93	34.43	26.538	155.72	0.5817	0.63
300	9.26	34.51	26.712	139.94	0.6562	0.41
400	8.24	34.51	26.873	125.93	0.7902	0.27
500	6.88	34.43	27.007	113.62	0.9110	0.24
600	6.22	34.43	27.095	105.98	1.0218	0.18
700	5.51	34.43	27.184	97.84	1.1247	0.19
800	4.95	34.46	27.274	89.59	1.2194	0.23
1000	4.33	34.52	27.391	79.43	1.3903	0.41

STATION 113.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 29°22.5'N 115°17.5'W; April 3, 1952; 0007 GCT;
wire angle: 12°; sounding: 33 fms; depth of observation: 49 m;
weather: cloudy; sea: very rough; wind: 300°, force 7

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	13.98	33.58	25.114	285.75	.00000
10	13.96	33.58	25.118	285.63	.00287
20	13.79	33.57	25.146	283.28	.00573
30	12.31	33.53	25.409	258.42	.00845
50	11.29	(33.77)	(25.786)	(223.03)	(.01329)

STATION 113.35 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 29°12'N 115°39'W; April 2, 1952; 2046 GCT;
wire angle: 20°; sounding: 800 fms; depth of observation: 535 m;
weather: overcast; sea: rough; wind: 320°, force 4

00	14.8	33.35	24.764	319.09	.00000
10	14.76	33.37	24.788	317.10	.00319
20	14.8	33.37	24.779	318.19	.00638
30	14.6	33.37	24.822	314.38	.00956
50	14.4	33.40	24.888	308.66	.01582
75	11.5	33.42	25.476	253.05	.02288
100	10.5	33.49	25.709	231.32	.02897
150	9.55	33.94	26.220	183.66	.03942
200	8.90	34.12	26.465	161.14	.04810
250	8.60	34.25	26.614	147.88	.05588
300	8.19	34.31	26.724	138.17	.06309
400	7.39	34.37	26.889	123.73	.07629
500	6.41	34.39	27.039	110.12	.08808

STATION 113.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 29°02'N 115°58.5'W; April 2, 1952; 1642 GCT; wire angle: 7°; sounding: 500 fms; depth of observation: 628 m; weather: overcast; sea: rough; wind: 360°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	14.8	33.25	24.687	326.41	.00000
10	14.74	33.37	24.792	316.69	.00323
20	14.7	33.34	24.778	318.34	.00642
30	14.5	33.33	24.813	315.28	.00960
50	14.0	33.33	24.918	305.80	.01584
75	13.0	33.24	25.051	293.67	.02338
100	11.1	33.32	25.471	254.03	.03027
150	9.71	33.84	26.115	193.60	.04154
200	9.31	34.10	26.384	169.01	.05067
250	8.42	34.15	26.564	152.55	.05877
300	7.94	34.17	26.652	144.83	.06626
400	6.88	34.28	26.889	123.22	.07977
500	6.28	34.37	27.040	109.85	.09152
600	5.63	34.40	27.146	100.39	.10213

STATION 113.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°42'N 116°37.5'W; April 2, 1952; 1024, 1051 GCT; wire angle: 23°, 22°; sounding: 1,820 fms; depth of observation: 98, 584 m; weather: overcast; sea: rough; wind: 360°, force 4

00	15.2	33.33	24.662	328.81	.00000
10	15.2	33.37	24.693	326.16	.00329
20	15.2	33.36	24.685	327.18	.00657
30	14.7	33.37	24.801	316.41	.00980
50	14.4	33.40	24.888	308.66	.01608
75	14.1	33.24	24.827	315.03	.02392
100	12.4	33.29	25.206	279.40	.03140
150	10.41	33.73	25.911	213.17	.04380
200	9.20	33.98	26.308	176.15	.05360
250	8.80	34.19	26.536	155.37	.06195
300	8.56	34.31	26.667	143.75	.06948
400	7.35	34.33	26.863	126.12	.08308
500	6.51	34.34	26.986	115.17	.09325
600	(5.80)	(34.40)	(27.125)	(102.61)	(.10624)

STATION 113.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°22'N 117°16.5'W; April 2, 1952; 0427 GCT;
wire angle: 17°; sounding: 2080 fms; depth of observation: 550 m;
weather: overcast; sea: moderate; wind: 320°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	15.6	33.47	24.681	326.98	0.0000
10	15.55	33.48	24.700	325.48	0.0328
20	15.2	33.46	24.762	319.86	0.0652
30	15.0	33.45	24.798	316.73	0.0972
50	14.9	33.44	24.812	315.95	0.1608
75	14.5	33.36	24.836	314.29	0.2400
100	12.8	33.29	25.129	286.83	0.3156
150	10.52	33.94	26.055	199.54	0.4380
200	9.63	33.77	26.074	198.48	0.5382
250	8.88	34.21	26.539	155.13	0.6272
300	8.38	34.25	26.648	145.45	0.7029
400	7.55	34.28	26.795	132.68	0.8431
500	6.68	34.36	26.979	116.02	0.9685

STATION 113.70 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°02'N 117°55.5'W; April 1, 1952; 2249 GCT;
wire angle: 3°; sounding: 1,720 fms; depth of observation: 588 m;
weather: overcast; sea: rough; wind: 310°, force 2.

00	16.3	33.57	24.600	334.72	0.0000
10	16.13	33.62	24.677	327.68	0.0333
20	16.1	33.59	24.661	329.50	0.0663
30	16.0	33.57	24.668	329.10	0.0994
50	15.7	33.62	24.774	319.59	0.1646
75	15.5	33.66	24.859	312.19	0.2440
100	15.7	33.58	24.743	323.95	0.3240
150	11.61	33.76	25.719	231.70	0.4639
200	10.10	34.07	26.229	184.01	0.5686
250	8.95	34.16	26.489	159.91	0.6552
300	8.50	34.31	26.676	142.84	0.7315
400	7.67	34.34	26.825	130.00	0.8690
500	6.39	34.28	26.955	117.98	0.9941
600	(5.87)	(34.35)	(27.077)	(107.22)	(1.1077)

STATION 117.26 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°56'N 114°41'W; March 31, 1952; 1412 GCT;
wire angle: 6°; sounding: 43 fms; depth of observation: 50 m;
weather: overcast; sea: slight; wind: 320°; force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	14.52	33.48	24.924	303.88	0.0000
10	14.39	33.48	24.951	301.53	0.0304
20	13.55	33.48	25.126	285.20	0.0599
30	12.39	33.48	25.355	263.56	0.0874
50	10.98	33.59	25.702	230.97	0.1371

STATION 117.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°48'N 114°56.5'W; March 31, 1952; 1623 GCT;
wire angle: 0°; sounding: 65 fms; depth of observation: 75 m;
weather: overcast; sea: moderate; wind: 320°; force 2.

00	14.40	33.58	25.026	294.13	0.0000
10	14.22	33.58	25.064	290.80	0.0294
20	13.06	33.50	25.240	274.34	0.0578
30	11.98	33.42	25.387	260.54	0.0847
50	10.98	33.58	25.694	231.72	0.1342
75	10.15	33.78	25.994	203.63	0.1889

STATION 117.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°28'N 115°35.5'W; March 31, 1952; 2220, 2238 GCT;
wire angle: 2°, 5°; sounding 520 fms; depth of observation: 97, 580 m;
weather: overcast; sea: moderate; wind: 290°; force 2.

00	15.4	33.40	24.672	327.87	0.0000
10	15.28	33.40	24.698	325.64	0.0328
20	15.2	33.41	24.723	323.52	0.0654
30	14.6	33.41	24.853	311.45	0.0973
50	14.5	33.40	24.867	310.69	0.1598
75	14.1	33.42	24.966	301.85	0.2368
100	11.4	33.35	25.440	257.03	0.3071
150	9.62	33.88	26.161	189.20	0.4194
200	9.57	34.14	26.372	170.21	0.5099
250	9.61	34.44	26.600	149.74	0.5905
300	8.83	34.42	26.711	139.80	0.6634
400	7.73	34.36	26.832	129.38	0.7991
500	6.71	34.42	27.022	112.00	0.9208
600	(5.91)	(34.44)	(27.143)	(101.09)	(1.0283)

STATION 117.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°08'N 116°15'W; April 1, 1952; 0419 GCT;
wire angle: 12°; sounding: 2,280 fms; depth of observation: 574 m;
weather: overcast; sea: moderate; wind: 320°; force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	15.8	33.48	24.644	330.50	0.0000
10	15.8	33.48	24.644	330.79	0.0332
20	15.7	33.49	24.674	328.22	0.0663
30	15.5	33.49	24.729	323.32	0.0990
50	15.3	33.48	24.755	321.35	0.1638
75	15.1	33.49	24.807	317.13	0.2441
100	12.9	33.48	25.256	274.78	0.3186
150	11.12	34.00	25.995	205.40	0.4395
200	10.28	34.26	26.346	173.01	0.5348
250	9.72	34.34	26.504	158.90	0.6184
300	9.47	34.37	26.568	153.65	0.6971
400	7.91	34.38	26.821	130.57	0.8403
500	6.98	34.39	26.962	117.99	0.9656
600	(5.92)	(34.42)	(27.126)	(102.70)	(1.0769)

STATION 117.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°47.5'N 116°54'W; April 1, 1952; 1017 GCT;
wire angle: 10°; sounding: 1,780 fms; depth of observation: 578 m;
weather: overcast; sea: moderate; wind: 320°; force 3.

00	16.1	33.53	24.615	333.29	0.0000
10	16.09	33.53	24.617	333.38	0.0335
20	15.3	33.57	24.824	313.92	0.0660
30	15.0	33.58	24.898	307.22	0.0972
50	15.0	33.57	24.890	308.50	0.1591
75	13.3	33.57	25.246	275.18	0.2325
100	11.7	33.53	25.524	249.07	0.2985
150	9.88	33.87	26.110	194.13	0.4101
200	9.38	34.21	26.458	162.00	0.4998
250	9.03	34.26	26.554	153.78	0.5793
300	8.24	34.23	26.654	144.82	0.6545
400	7.36	34.34	26.869	125.51	0.7907
500	6.38	34.33	26.995	114.15	0.9116
600	(5.73)	(34.34)	(27.086)	(106.13)	(1.0227)

STATION 117.70 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°27.5'N 117°32.5'W; April 1, 1952; 1619 GCT;
wire angle: 11°; sounding: 2,160 fms; depth of observation: 570 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.)
00	16.0	33.60	24.691	326.02	0.0000
10	16.08	33.53	24.619	333.16	0.0331
20	16.0	33.55	24.653	330.26	0.0664
30	15.3	33.55	24.809	315.66	0.0988
50	15.4	33.55	24.787	318.34	0.1625
75	15.3	33.57	24.824	315.48	0.2422
100	14.7	33.54	24.932	305.90	0.3204
150	10.80	33.52	25.679	235.23	0.4566
200	9.38	33.90	26.216	184.90	0.5624
250	9.49	34.13	26.378	170.66	0.6519
300	8.78	34.28	26.609	149.35	0.7325
400	7.58	34.36	26.853	127.20	0.8719
500	6.64	34.37	26.992	114.74	0.9939
600	(5.82)	(34.34)	(27.075)	(107.30)	(1.1059)

STATION 120.25 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°23'N 114°14.5'W; March 31, 1952; 1002 GCT;
wire angle: 2°; sounding: 42 fms; depth of observation: 50 m;
weather: cloudy; sea: moderate; wind: 320°, force 1.

00	14.96	33.55	24.883	307.74	0.0000
10	14.94	33.58	24.911	305.42	0.0308
20	14.16	33.57	25.069	290.59	0.0607
30	13.70	33.60	25.187	279.58	0.0893
50	12.05	33.62	25.528	247.55	0.1423

STATION 120.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°13'N 114°34'W; March 31, 1952; 0727 GCT;
wire angle: 0°; sounding: 50 fms; depth of observation: 20 m;
weather: partly cloudy; sea: moderate; wind: 330°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	14.44	33.46	24.925	303.72	0.0000
10	14.74	33.55	24.931	303.50	0.0305
20	14.23	33.57	25.054	292.00	0.0604
30	14.26	33.64	25.102	287.74	0.0895
50	12.50	33.48	25.334	266.08	0.1452

STATION 120.35 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°03'N 114°54'W; March 31, 1952; 0439 GCT;
wire angle: 0°; sounding: 46 fms; depth of observation: 50 m;
weather: clear; sea: slight; wind: 320°, force 2.

00	15.12	33.60	24.887	307.40	0.0000
10	15.06	33.60	24.900	306.43	0.0308
20	14.46	33.58	25.014	295.88	0.0610
30	14.10	33.53	25.051	292.61	0.0905
50	13.94	33.55	25.099	288.49	0.1489

STATION 120.45 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°43'N 115°33'W; March 30, 1952; 2320 GCT;
wire angle: 2°; sounding: 1,350 fms; depth of observation: 1,164 m;
weather: cloudy; sea: moderate; wind: 320°, force 1.

00	15.6	33.62	24.796	316.01	0.0000
10	14.94	33.66	24.972	299.56	0.0309
20	14.3	33.68	25.124	285.34	0.0603
30	13.5	33.70	25.305	268.34	0.0881
50	12.0	33.87	25.731	228.26	0.1380
75	10.2	33.87	26.056	197.79	0.1916
100	10.4	34.22	26.294	175.81	0.2386
150	9.50	34.29	26.501	157.01	0.3224
200	9.39	34.47	26.660	142.98	0.3979
250	9.23	34.48	26.694	140.69	0.4693
300	8.89	34.46	26.733	137.78	0.5394
400	7.60	34.40	26.882	124.54	0.6716
500	6.61	34.40	27.020	112.10	0.7909
600	5.77	34.40	27.129	102.21	0.8990
700	5.21	34.41	27.204	95.47	0.9988
800	4.77	34.44	27.279	88.82	1.0919
1000	3.94	34.51	27.424	75.41	1.2580

STATION 120.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°33'N 115°52.5'W; March 30, 1952; 1948 GCT;
wire angle: 10°; sounding: 2,060 fms; depth of observation: 568 m;
weather: cloudy; sea: moderate; wind: 020°; force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	15.7	33.42	24.621	332.75	0.0000
10	14.64	33.37	24.814	314.64	0.0325
20	14.4	33.37	24.865	310.06	0.0639
30	13.9	33.37	24.969	300.36	0.0945
50	13.1	33.33	25.100	288.33	0.1537
75	12.5	33.39	25.264	273.30	0.2243
100	11.5	33.40	25.460	255.10	0.2908
150	9.99	33.90	26.115	193.70	0.4038
200	9.37	34.13	26.398	167.75	0.4948
250	9.06	34.32	26.596	149.81	0.5748
300	8.86	34.41	26.698	141.01	0.6481
400	7.57	34.39	26.878	124.84	0.7821
500	6.53	34.37	27.007	113.23	0.9022
600	(5.95)	(34.41)	(27.114)	(103.84)	(1.0117)

STATION 120.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°13'N 116°31.5'W; March 30, 1952; 1325 GCT;
wire angle: 5°; soudning: 2,100 fms; depth of observeration: 1,150 m;
weather: overcast; sea: slight; wind: calm

00	16.5	33.73	24.677	327.42	0.0000
10	16.45	33.77	24.719	323.71	0.0327
20	16.0	33.72	24.783	317.86	0.0649
30	15.7	33.71	24.843	312.43	0.0965
50	16.0	33.78	24.829	314.36	0.1595
75	16.0	33.87	24.898	308.54	0.2378
100	14.8	33.68	25.018	297.72	0.3141
150	10.73	33.84	25.940	210.47	0.4420
200	10.48	34.29	26.334	174.17	0.5389
250	9.97	34.48	26.570	152.71	0.6212
300	9.43	34.50	26.677	143.41	0.6958
400	8.38	34.46	26.812	131.75	0.8345
500	6.88	34.41	26.991	115.11	0.9590
600	5.61	34.41	27.156	99.38	1.0672
700	5.30	34.46	27.233	92.91	1.1643
800	4.89	34.50	27.313	85.88	1.2546
1000	3.98	34.50	27.412	76.63	1.4189

STATION 120.70 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°52.5'N 117°10'W; March 30, 1952; 0731 GCT;
wire angle: 0°; sounding: 2,200 fms; depth of observation: 588 m;
weather: partly cloudy; sea: slight; wind: calm

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	16.4	33.49	24.516	342.74	0.0000
10	15.84	33.49	24.643	330.92	0.0338
20	15.3	33.49	24.763	319.77	0.0665
30	15.3	33.49	24.763	320.05	0.0986
50	15.3	33.49	24.763	320.61	0.1630
75	15.1	33.48	24.799	317.86	0.2433
100	15.04	33.46	24.797	318.77	0.3234
150	10.44	33.60	25.805	223.27	0.4598
200	9.94	34.10	26.279	179.16	0.5611
250	9.59	34.37	26.549	154.57	0.6451
300	9.29	34.43	26.645	146.32	0.7209
400	7.93	34.42	26.849	127.91	0.8591
500	6.91	34.45	27.019	112.57	0.9804
600	(6.23)	(34.45)	(27.110)	(104.64)	(1.0900)

STATION 120.80 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°32.5'N 117°48.5'W; March 30, 1952; 0158 GCT;
wire angle: 3°; sounding: 2,140 fms; depth of observation: 1,160 m;
weather: partly cloudy; sea: slight; wind: 320°; force 1.

00	15.4	33.55	24.787	316.91	0.0000
10	15.93	33.58	24.692	326.28	0.0323
20	15.4	33.56	24.795	316.75	0.0646
30	15.3	33.55	24.809	315.66	0.0963
50	15.3	33.55	24.809	316.23	0.1598
75	15.2	33.57	24.850	313.70	0.2388
100	14.5	33.63	25.044	295.22	0.3154
150	11.22	33.91	25.907	213.77	0.4435
200	10.10	34.12	26.268	180.32	0.5427
250	9.20	34.24	26.511	157.92	0.6279
300	8.58	34.30	26.656	144.80	0.7042
400	7.60	34.34	26.835	128.98	0.8422
500	6.50	34.36	27.003	113.56	0.9645
600	5.87	34.34	27.069	107.97	1.0763
700	5.32	34.41	27.191	96.87	1.1797
800	4.80	34.45	27.284	88.45	1.2733
1000	4.10	34.43	27.344	83.25	1.4469

STATION 120.90 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°13'N 118°27.5'W; March 29, 1952; 1845 GCT;
wire angle: 0°; sounding: 2,280 fms; depth of observation: 585 m;
weather: cloudy; sea: slight; wind: 300°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	17.7	33.96	24.569	337.70	0.0000
10	17.42	33.95	24.628	332.33	0.0336
20	17.3	33.96	24.665	329.18	0.0668
30	17.0	33.96	24.736	322.70	0.0995
50	16.4	33.78	24.738	323.08	0.1644
75	16.3	33.86	24.822	315.81	0.2447
100	15.5	33.80	24.967	302.70	0.3225
150	11.11	33.91	25.927	211.86	0.4520
200	9.89	34.04	26.241	182.77	0.5514
250	9.13	34.22	26.507	158.29	0.6373
300	8.38	34.26	26.656	144.71	0.7136
400	7.34	34.36	26.888	123.75	0.8489
500	6.52	34.35	26.993	114.57	0.9691
600	(5.89)	(34.36)	(27.082)	(106.75)	(1.0808)

STATION 123.37 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°24'N 114°39.5'W; March 28, 1952; 1323 GCT;
wire angle: 0°; sounding: 39 fms; depth of observation: 50 m;
weather: partly cloudy; sea: slight; wind: calm

00	13.06	33.78	25.456	253.26	0.0000
10	12.68	33.73	25.492	250.05	0.0253
20	12.49	33.71	25.514	248.24	0.0503
30	11.54	33.84	25.794	221.80	0.0739
50	11.62	34.00	25.903	211.89	0.1175

STATION 123.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°18'N 114°51.5'W; March 28, 1952; 1545 GCT;
wire angle: 0°; sounding: 400 fms; depth of observation: 584 m;
weather: partly cloudy; sea: slight, wind: 320°; force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	14.8	33.53	24.902	305.91	0.0000
10	14.46	33.49	24.944	302.21	0.0305
20	14.0	33.45	25.010	296.22	0.0605
30	14.3	33.45	24.947	302.46	0.0906
50	12.5	33.78	25.566	244.03	0.1455
75	11.5	33.96	25.895	213.30	0.2030
100	11.2	34.24	26.167	188.01	0.2535
150	11.24	34.51	26.369	170.00	0.3436
200	10.89	34.52	26.441	164.29	0.4278
250	10.21	34.52	26.560	153.77	0.5079
300	9.45	34.50	26.673	143.74	0.5828
400	8.10	34.45	26.847	128.24	0.7199
500	6.94	34.40	26.975	116.69	0.8434
600	(5.70)	(34.40)	(27.137)	(101.30)	(0.9534)

STATION 123.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°58'N 115°30.5'W; March 28, 1952; 2151 GCT;
wire angle: 19°; sounding: 1,920 fms; depth of observation: 535 m;
weather: partly cloudy; sea: moderate; wind: 300°; force 2-3.

00	16.0	33.49	24.607	334.06	0.0000
10	15.6	33.51	24.712	324.34	0.0331
20	15.2	33.49	24.785	317.67	0.0653
30	15.0	33.47	24.813	315.27	0.0971
50	14.9	33.43	24.804	316.68	0.1606
75	14.3	33.42	24.924	305.86	0.2389
100	11.1	33.46	25.579	243.71	0.3080
150	10.16	34.00	26.164	189.12	0.4169
200	9.25	34.13	26.417	165.86	0.5063
250	9.25	34.36	26.597	149.87	0.5858
300	8.61	34.32	26.667	143.78	0.6598
400	7.38	34.35	26.873	125.15	0.7953
500	6.57	34.38	27.010	113.03	0.9154

STATION 123.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°38.5'N 116°09'W; March 29, 1952; 0343 GCT;
wire angle: 7°; sounding: 2,160 fms; depth of observation: 573 m;
weather; partly cloudy; sea: slight; wind: 300°; force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	16.8	33.87	24.714	323.85	0.0000
10	16.78	33.86	24.711	324.45	00325
20	16.1	33.82	24.837	312.72	0.0645
30	16.0	33.80	24.845	312.31	0.0959
50	160	33.82	24.860	311.45	0.1586
75	16.0	33.82	24.860	312.18	02370
100	12.7	33.73	25.488	25266	0.3081
150	1052	33.87	26.001	204.71	0.4232
200	9.58	34.14	26.371	170.37	0.5176
250	9.30	34.37	26.596	149.91	0.5982
300	8.81	34.40	26.698	140.96	0.6715
400	7.74	34.40	26.861	126.58	0.8063
500	6.74	34.40	27.003	113.89	0.9276
600	(5.83)	(34.43)	(27.145)	(100.77)	(1.0359)

STATION 127.34 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°55.5'N 114°06'W; March 28, 1952; 0818 GCT;
wire angle: 0°; sounding: 47 fms; depth of observation: 50 m;
weather: clear; sea: slight; wind: calm

00	1428	33.64	25.098	287.32	0.0000
10	13.84	33.68	25.220	275.93	0.0283
20	13.46	33.71	25.321	26658	0.0555
30	12.77	33.70	25.451	254.44	0.0817
50	12.02	33.73	25.619	238.93	0.1313

STATION 127.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°43.5'n 114°29.5'W; March 28, 1952; 0449 GCT; wire angle: 18°; sounding: 1,700 fms; depth of observation: 537 m; weather: clear; sea: slight; wind: 320°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	15.1	33.57	24.868	309.18	0.0000
10	14.92	33.55	24.892	307.20	0.0309
20	14.6	33.56	24.968	300.20	0.0614
30	14.5	33.58	25.005	296.97	0.0914
50	13.7	33.60	25.187	280.11	0.1494
75	11.2	33.48	25.577	243.42	0.2152
100	11.3	33.98	25.947	208.89	0.2721
150	10.92	34.35	26.303	176.18	0.3690
200	10.05	34.40	26.494	158.86	0.4534
250	9.66	34.51	26.646	145.40	0.5300
300	9.12	34.51	26.735	137.72	0.6013
400	7.88	34.47	26.896	123.47	0.7329
500	6.79	34.46	27.043	110.15	0.8507

STATION 127.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°23.5'N 115°08'W; March 27, 1952; 2259 GCT; wire angle: 15°; sounding: 1,889 fms; depth of observation: 558m; weather: cloudy; sea: moderate; wind: 340°, force 2.

00	15.7	33.58	24.743	321.06	0.0000
10	15.5	33.60	24.813	314.72	0.0319
20	15.4	33.59	24.818	314.55	0.0635
30	15.0	33.58	24.898	307.22	0.0947
50	15.0	33.55	24.875	309.97	0.1567
75	14.5	33.59	25.013	297.47	0.2331
100	12.5	33.66	25.473	254.06	0.3025
150	10.59	34.05	26.128	192.62	0.4149
200	10.21	34.34	26.420	165.95	0.5052
250	9.95	34.44	26.543	155.31	0.5861
300	9.31	34.43	26.642	146.64	0.6622
400	7.97	34.45	26.867	126.30	0.7998
500	7.05	34.45	26.999	114.54	0.9213

STATION 127.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°03.5'N 115°46.5'W; March 27, 1952; 1618 GCT;
wire angle: 16°; sounding: 2,100 fms; depth of observation: 546 m;
weather: cloudy; sea: slight; wind: 320°; force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m)
00	16.6	33.84	24.738	321.60	0.0000
10	16.6	33.82	24.722	323.37	0.0324
20	16.5	33.84	24.761	320.01	0.0647
30	16.5	33.86	24.776	318.85	0.0968
50	16.5	33.78	24.715	325.29	0.1615
75	16.5	33.82	24.745	323.13	0.2430
100	16.1	33.75	24.784	320.20	0.3239
150	10.87	33.76	25.854	218.75	0.4596
200	9.53	34.08	26.332	173.99	0.5585
250	8.71	34.11	26.487	159.90	0.6426
300	8.22	34.15	26.594	150.44	0.7208
400	7.55	34.36	26.858	126.77	0.8605
500	6.78	34.37	26.973	116.67	0.9833

STATION 130.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°29'N 113°29'W; March 26, 1952; 1512 GCT;
wire angle: 0°; sounding: 45 fms; depth of observation: 51 m;
weather: cloudy; sea: slight; wind: 320°; force 2.

00	14.20	33.87	25.292	268.87	0.0000
10	13.86	33.84	25.340	264.59	0.0268
20	13.51	33.89	25.450	254.34	0.0529
30	12.92	34.02	25.669	233.76	0.0774
50	11.74	34.23	26.059	197.10	0.1207

STATION 130.35 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°19'N 113°48.5'W; March 26, 1952; 1757 GCT;
wire angle: 3°; sounding: 110 fms; depth of observation: 155 m;
weather: cloudy; sea: slight; wind 310°; force 2.

00	15.58	33.80	24.939	302.43	0.0000
10	15.14	33.78	25.021	294.94	0.0300
20	14.40	33.64	25.072	290.28	0.0594
30	13.81	33.61	25.173	281.01	0.0881
50	13.05	33.66	25.365	263.16	0.1428
75	12.66	34.08	25.767	225.59	0.2042
100	12.09	34.26	26.016	202.44	0.2580
150	11.22	34.45	26.326	174.05	0.3528

STATION 130.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°09'N 114°07.5'W; March 26, 1952; 2107 GCT;
wire angle: 10°; sounding: 1,150 fms; depth of observation: 1,146 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.)
00	17.4	34.28	24.886	307.52	0.0000
10	16.88	34.25	24.986	298.26	0.0304
20	16.9	34.24	24.974	299.76	0.0604
30	16.9	34.24	24.974	300.07	0.0905
50	16.9	34.25	24.981	299.96	0.1508
75	13.8	34.02	25.491	251.96	0.2202
100	12.5	34.18	25.875	215.89	0.2791
150	11.64	34.40	26.210	185.21	0.3801
200	11.23	34.58	26.426	165.85	0.4685
250	10.23	34.54	26.573	152.63	0.5487
300	9.42	34.52	26.694	141.78	0.6229
400	8.28	34.51	26.867	126.54	0.7581
500	7.02	34.44	26.996	114.87	0.8798
600	6.02	34.43	27.121	103.29	0.9899
700	5.38	34.45	27.216	94.68	1.0898
800	4.83	34.49	27.312	85.87	1.1810
1000	4.09	34.55	27.440	74.27	1.3429

STATION 130.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°49'N 114°46'W; March 27, 1952; 0339 GCT;
wire angle: 8°; sounding: 2,000 fms; depth of observation: 578 m;
weather: partly cloudy; sea: slight; wind: 300°, force 1.

00	16.2	33.76	24.768	318.67	0.0000
10	15.81	33.77	24.864	309.83	0.0316
20	15.3	33.77	24.978	299.29	0.0622
30	15.1	33.76	25.014	296.14	0.0921
50	15.0	33.73	25.013	296.81	0.1517
75	13.8	33.69	25.236	276.13	0.2237
100	11.4	33.64	25.665	235.67	0.2881
150	10.43	34.14	26.226	183.30	0.3936
200	10.07	34.38	26.475	160.67	0.4802
250	9.53	34.44	26.613	148.45	0.5580
300	9.18	34.45	26.678	143.09	0.6314
400	7.94	34.42	26.848	128.07	0.7681
500	6.81	34.40	26.993	114.87	0.8906
600	(6.10)	(34.42)	(27.103)	(105.10)	(1.0016)

STATION 130.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°29'N 115°24'W; March 27, 1952; 1038 GCT;
wire angle: 10°; sounding: 2,100 fms; depth of observation: 1,213 m;
weather: clear; sea: moderate; wind: 300°; force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	16.6	33.87	24.761	319.41	0.0000
10	16.47	33.87	24.791	316.86	0.0319
20	16.3	33.87	24.830	313.43	0.0635
30	16.2	33.87	24.853	311.55	0.0949
50	15.8	33.86	24.936	304.22	0.1568
75	15.4	33.81	24.987	300.06	0.2328
100	13.4	33.66	25.295	271.16	0.3047
150	11.2	33.89	25.895	214.90	0.4270
200	9.57	34.11	26.349	172.43	0.5245
250	9.31	34.25	26.501	158.93	0.6079
300	8.99	34.33	26.615	148.94	0.6855
400	7.98	34.40	26.826	130.13	0.8262
500	6.99	34.41	26.976	116.65	0.9507
600	6.12	34.45	27.124	103.16	1.0616
700	5.39	34.46	27.223	94.07	1.1612
800	4.83	34.45	27.280	88.82	1.2536
1000	4.16	34.54	27.425	75.87	1.4201

STATION 133.25 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°04.5'N 112°48'W; March 26, 1952; 0945 GCT;
wire angle: 0°; sounding: 45 fms; depth of observation: 50 m;
weather: clear; sea: moderate; wind: 310°; force 1.

00	15.25	33.91	25.097	287.44	0.0000
10	15.26	33.87	25.064	290.86	0.0290
20	15.27	33.89	25.077	289.89	0.0582
30	14.88	33.95	25.208	277.68	0.0867
50	14.44	33.86	25.233	275.81	0.1423

STATION 133.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°54.5'N 113°07.5'W; March 26, 1952; 0625 GCT;
wire angle: 17°; sounding: 110 fms; depth of observation: 149 m;
weather: clear; sea: slight; wind: 280°; force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	15.67	33.93	25.019	294.85	0.0000
10	15.54	33.93	25.048	292.38	0.0295
20	15.54	33.97	25.078	289.75	0.0587
30	15.53	33.97	25.081	289.83	0.0878
50	14.40	33.89	25.265	272.80	0.1443
75	13.40	33.90	25.480	252.91	0.2104
100	12.58	34.23	25.899	213.71	0.2691
150	(11.92)	(34.38)	(26.142)	(191.75)	(0.3712)

STATION 133.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°34.5'N 113°45.5'W; March 26, 1952; 0053 GCT;
wire angle: 6°; sounding: 1,680 fms; depth of observation: 581 m;
weather: clear: sea: moderate; wind: 320°; force 3.

00	16.9	34.16	24.913	304.95	0.0000
10	16.84	34.14	24.911	305.38	0.0306
20	16.5	34.13	24.983	298.87	0.0609
30	16.5	34.13	24.983	299.18	0.0909
50	16.5	34.16	25.006	297.60	0.1509
75	16.3	34.13	25.029	296.13	0.2255
100	13.3	34.16	25.701	232.57	0.2920
150	11.70	34.52	26.292	177.47	0.3952
200	11.13	34.60	26.459	162.61	0.4808
250	10.11	34.55	26.601	149.89	0.5595
300	9.49	34.54	26.698	141.44	0.6329
400	8.22	34.51	26.876	125.62	0.7675
500	7.04	34.45	27.001	114.40	0.8885
600	(6.28)	(34.50)	(27.142)	(101.62)	(0.9975)

STATION 133.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°13'N 114°21'W; March 25, 1952; 1902 GCT;
wire angle: 12°; sounding: 2,020 fms; depth of observation: 616 m;
weather: partly cloudy; sea: moderate; wind: 320°; force 2-3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	17.4	33.98	24.656	329.37	0.0000
10	16.57	33.98	24.852	311.04	0.0321
20	16.6	33.98	24.845	312.01	0.0634
30	16.6	33.98	24.845	312.32	0.0947
50	16.6	34.04	24.891	308.55	0.1571
75	14.3	33.70	25.140	285.37	0.2318
100	12.8	33.92	25.616	240.61	0.2980
150	11.10	34.20	26.154	190.35	0.4065
200	10.56	34.43	26.429	165.23	0.4960
250	10.74	34.49	26.444	165.02	0.5792
300	9.85	34.58	26.669	144.40	0.6571
400	8.11	34.49	26.877	125.43	0.7931
500	7.13	34.46	26.996	114.94	0.9143
600	6.42	34.45	27.085	107.23	1.0264

STATION 133.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 24°54.5'N 115°01.5'W; March 25, 1952; 1301 GCT;
wire angle: 12°; sounding: 2,160 fms; depth of observation: 615 m;
weather: partly cloudy; sea: moderate; wind: 320°; force 2-3.

00	16.7	33.95	24.799	315.80	0.0000
10	16.76	33.93	24.769	318.91	0.0319
20	16.8	33.94	24.768	319.38	0.0639
30	16.8	33.96	24.783	318.22	0.0959
50	16.8	34.02	24.829	314.47	0.1595
75	16.3	33.89	24.845	313.62	0.2385
100	13.0	33.72	25.421	259.07	0.3105
150	10.92	33.88	25.938	210.78	0.4288
200	10.12	34.22	26.342	173.29	0.5255
250	9.62	34.41	26.575	152.12	0.6074
300	9.27	34.45	26.664	144.53	0.6821
400	8.37	34.49	26.837	129.38	0.8202
500	7.29	34.52	27.021	112.81	0.9423
600	6.38	34.47	27.106	105.20	1.0523

STATION 137.23 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°34'N 112°18.5'W; March 24, 1952; 0601 GCT;
wire angle: 0°; sounding: 40 fms; depth of observation: 50 m;
weather: clear; sea: slight; wind: 040°; force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	16.13	34.09	25.037	293.06	0.0000
10	16.12	34.09	25.040	293.15	0.0294
20	16.12	34.07	25.024	294.91	0.0589
30	16.09	34.16	25.100	287.99	0.0882
50	15.88	34.07	25.079	290.61	0.1463

STATION 137.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°20'N 112°45.5'W; March 24, 1952; 1007 GCT;
wire angle: 15°; sounding: 170 fms; depth of observation: 229 m;
weather: clear; sea: high; wind: 320°; force 6.

00	17.14	34.34	24.994	297.24	0.0000
10	17.14	34.42	25.055	291.74	0.0296
20	17.14	34.39	25.032	294.23	0.0590
30	17.14	34.38	25.024	295.28	0.0886
50	17.13	34.42	25.057	292.78	0.1477
75	16.30	34.34	25.190	280.84	0.2198
100	14.19	34.24	25.579	244.34	0.2859
150	13.72	34.23	25.669	237.02	0.4071
200	13.15	34.59	26.064	200.82	0.5173

STATION 137.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°00'N 113°23.5'W; March 24, 1952; 1926 GCT; wire angle: 25°; sounding: 1,300 fms; depth of observation: 529 m; weather: clear; sea: very rough; wind: 320°; force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	16.2	34.05	24.991	297.51	0.0000
10	16.2	33.98	24.937	302.92	0.0301
20	16.1	34.03	24.998	297.40	0.0602
30	16.1	34.07	25.029	294.78	0.0899
50	16.1	34.05	25.014	296.84	0.1494
75	16.1	33.98	24.960	302.69	0.2248
100	12.0	34.04	25.863	216.96	0.2902
150	10.99	34.46	26.376	169.31	0.3874
200	10.59	34.54	26.510	157.65	0.4697
250	9.86	34.51	26.613	148.67	0.5468
300	8.95	34.44	26.708	140.19	0.6196
400	7.81	34.45	26.890	123.93	0.7527
500	6.93	34.43	27.000	114.33	0.8729

STATION 137.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 24°40'N 114°01.5'W; March 25, 1942; 0133 GCT; wire angle: 19°; sounding: 2,200 fms; depth of observation 595 m; weather: clear; sea: very rough; wind: 320°; force 5.

00	17.9	34.36	24.826	313.22	0.0000
10	17.9	34.29	24.772	318.65	0.0317
20	17.9	34.29	24.772	318.97	0.0637
30	17.8	34.30	24.804	316.24	0.0956
50	17.7	34.34	24.859	311.66	0.1587
75	17.7	34.38	24.890	309.56	0.2368
100	14.9	33.86	25.135	286.65	0.3118
150	11.73	34.27	26.092	196.37	0.4334
200	10.94	34.51	26.424	165.90	0.5246
250	10.40	34.54	26.543	155.51	0.6055
300	9.55	34.54	26.688	142.41	0.6805
400	8.40	34.52	26.856	127.63	0.8166
500	7.22	34.45	26.975	116.97	0.9400
600	(6.26)	(34.47)	(27.121)	(103.56)	(1.0513)

STATION 137.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 24°20'N 114°39.5'W; March 25, 1952; 0704 GCT;
wire angle: 5°; sounding: 2,080 fms; depth of observation: 636 m;
weather: clear; sea: moderate; wind: 320°; force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)
00	17.8	34.17	24.705	32.473	0.0000
10	17.94	34.18	24.678	327.58	0.0327
20	17.9	34.18	24.688	326.97	0.0656
30	17.9	34.18	24.688	327.29	0.0984
50	17.9	34.16	24.673	329.40	0.1644
75	17.9	34.18	24.688	328.74	0.2471
100	13.6	33.75	25.324	268.46	0.3222
150	12.12	34.16	25.933	211.55	0.4430
200	10.50	34.29	26.331	174.51	0.5402
250	9.70	34.37	26.530	156.36	0.6235
300	9.29	34.42	26.637	147.06	0.6999
400	8.03	34.45	26.858	127.19	0.8381
500	7.09	34.45	26.994	115.11	0.9603
600	6.40	34.45	27.087	106.95	1.0723

OBSERVED DEPTHS

HORIZON: STATION 80.51

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	10.88	33.49	5.09
10	-	33.51	4.98
19	10.48	33.58	4.65
28	-	33.57	4.50
48	-	33.73	3.14
72	9.26	33.93	2.49

HORIZON: STATION 80.55

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	12.5	33.21	6.08
10	12.45	33.22	6.13
25	12.3	33.21	6.08
49	12.2	33.21	6.07
73	11.2	33.44	4.85
97	9.44	33.48	4.04
149	8.68	33.82	3.20
194	8.36	33.96	2.81
240	7.75	34.07	2.56
286	7.44	34.11	2.04
337	7.31	34.18	1.42
385	6.82	34.18	1.01
432	6.41	34.22	0.75
480	6.22	34.23	0.62
583	5.64	34.29	0.44

HORIZON: STATION 80.60

0	12.1	33.13	6.14
9	12.38	33.13	6.16
24	12.3	33.13	6.19
47	12.3	33.15	6.11
70	11.4	33.15	5.96
93	9.48	33.12	5.14
141	8.56	33.64	3.77
225	7.87	34.02	2.56
267	7.54	34.04	1.96
356	6.68	34.14	1.28
440	5.90	34.14	0.91
529	5.37	34.22	0.52
709	4.74	34.36	0.32
893	4.19	34.43	0.40
1090	3.62	34.51	0.64

HORIZON: STATION 80.70

0	12.3	32.97	6.15
9	12.27	32.97	6.16
23	12.3	32.97	6.17
50	12.1	32.97	6.16
73	12.4	33.30	6.00
99	11.50	33.39	4.76
147	9.56	33.73	3.23
240	8.34	34.13	2.18
281	7.92	34.18	1.69
374	6.90	34.22	0.99
465	6.33	34.31	0.41
555	5.78	34.36	0.27
735	4.78	34.36	0.31
925	4.12	34.45	0.47
1120	3.62	34.51	0.68

OBSERVED DEPTHS

HORIZON:	STATION 80.80		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	13.0	33.21	6.06
8	13.03	33.21	6.10
21	13.1	33.22	6.13
46	12.8	33.30	6.08
66	11.9	33.33	5.34
89	10.72	33.40	4.29
133	9.38	33.77	3.09
222	8.20	34.12	1.95
243 g	8.16	34.12	1.87
276	7.92	34.14	1.63
373	6.93	34.22	0.82
486	6.04	34.22	0.53
710	4.93	34.38	0.32
938	4.14	34.43	0.47
1154	3.54	34.51	0.75

HORIZON:	STATION 85.38		
0	12.50	33.24	6.44
10	12.45	33.22	6.20
24	12.01	33.31	5.69
48	11.38	33.35	4.90
71	10.68	33.44	4.24
93	10.22	33.53	3.60
143	9.76	33.77	3.08
189	9.00	34.00	2.20
237	8.55	34.07	1.88
285	8.06	34.14	1.45

HORIZON:	STATION 80.100		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	12.7	32.95	6.09
7	12.69	32.95	6.09
22	-	32.94	6.10
43	-	32.97	6.08
64	-	32.95	6.08
82	12.72	33.26	6.09
101 e	10.71	33.35	4.47
119	10.56	33.30	4.62
192	8.53	33.94	2.90
229 g	8.09	33.96	2.63
330	6.81	33.98	1.92
425	5.84	34.11	0.95
664	4.82	34.31	0.35
869	4.10	34.45	-
1077	3.59	34.52	0.67

HORIZON	STATION 85.40		
0	12.9	33.24	6.10
10	12.72	33.26	6.17
24	12.2	33.28	5.88
48	11.8	33.28	5.37
72	10.0	33.39	4.51
95	9.96	33.64	3.54
144	9.55	33.98	2.61
188	7.56 a	34.09	2.16
232	8.55	34.16	2.00
276	8.07	34.18	1.41
326	7.64	34.20	1.12
371	7.37	34.27	0.98
463	6.80	34.30	0.59
563	6.03	34.34	0.35
661	5.39	34.35	0.18

OBSERVED DEPTHS

HORIZON:	STATION 85.50		
Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	12.41	33.31	6.14
9	12.42	33.26	6.16
19	12.21	33.28	6.07
28	12.19	33.30	6.02
47	11.65	33.37	5.30
70	10.32	33.46	4.00
94	9.64	33.83	2.99
117	9.12	33.93	2.20

HORIZON	STATION 85.60		
Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	13.7	33.13	6.01
9	13.40	33.12	6.08
22	13.2	33.12	6.00
44	12.8	33.26	6.03
65	12.2	33.26	5.55
86	10.11	33.35	4.41
130	8.80	33.69	3.77
171	8.51	34.00	2.60
253	7.68	34.16	1.56
341	6.79	34.15	1.07
410	6.57	34.18	0.70
518	5.66	34.22	0.41
607	5.23	34.25	0.35
703	4.90	34.34	0.35
894	4.23	34.51	0.41

HORIZON:	STATION 85.70		
0	12.5	33.15	6.05
9	12.47	33.15	6.06
28	12.5	33.21	6.09
56	12.4	33.19	6.01
85	11.6	33.30	5.23
112	9.98	33.57	3.86
165	8.58	33.86	2.97
192 e	8.59	33.96	2.84
268	7.64	34.14	1.63
325 g	7.52	34.11	1.33
409	6.56	34.22	0.49
530	5.77	34.31	0.38
771	4.64	34.34	0.36
1012	3.86	34.49	0.61
1246	3.28	34.51	0.84

PAOLINA T;	STATION 88.40		
0	13.0	33.28	-
10	12.98	33.28	-
25	-	33.26	-
50	-	33.28	-
75	-	33.46	-
100	-	33.62	-
154	8.54	33.96	-
204	8.28	34.09	-
253	7.96	34.14	-
303	7.75	34.16	-
408	6.96	34.22	-
507	6.21	34.26	-
611	5.67	-	-

OBSERVED DEPTHS

HORIZON: STATION 90.28

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	13.41	33.15	6.11
10	13.30	33.15	6.13
20	13.39	33.24	6.03
30	13.31	33.24	6.02

HORIZON: STATION 90.30

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.0	33.26	5.99
10	13.88	33.22	5.99
25	13.7	33.24	6.16
50	12.9	33.24	5.95
75	10.96	33.26	4.90
99	10.30	33.58	3.72
150	9.18	33.89	3.10
196	9.20	34.14	2.14
241	8.68	34.16	1.86
288	8.30	34.20	1.50
338	7.86	34.27	1.00
384	7.25	34.27	0.84
431	6.92	34.27	0.67
480	6.56	34.27	0.50

HORIZON: STATION 90.37

0	13.7	33.26	6.06
10	13.60	33.26	6.09
26	13.3	33.27	6.11
50	10.9	33.26	5.02
74	9.9	33.48	4.20
99	9.92	33.68	3.56
152	8.86	33.93	3.01
197	8.78	34.18	1.85
291	7.78	34.20	1.84
388	6.93	34.23	0.72
482	6.31	34.33	0.45
580	5.80	34.34	0.31
674	5.30	34.36	0.28
776	4.86	34.43	0.30
972	4.22	34.49	0.41

HORIZON: STATION 90.45

0	13.7	33.19	6.00
9	13.60	33.19	6.01
23	13.5	33.19	6.03
50	13.5	33.19	6.00
72	12.2	33.15	5.64
98	9.96	33.26	4.74
143	8.88	33.75	3.60
163 e	8.84	34.09	2.09
237	8.07	34.09	2.06
272 g	7.93	34.13	1.52
393	7.12	34.23	0.72
489	6.22	34.27	0.47
741	4.96	34.38	0.37
953	4.20	34.47	0.41
1167	3.85	34.51	0.47

PAOLINA T: STATION 90.47

0	13.0	33.22	-
9	12.94	33.26	-
24	12.9	33.24	-
53	12.9	33.24	-
77	12.8	33.22	-
105	9.9	33.26	-
158	9.04	33.71	-
209	8.36	33.98	-
265	7.59	34.04	-
313	7.25	34.11	-
423	6.62	34.25	-
529	5.98	34.29	-
636	5.44	34.36	-

HORIZON: STATION 90.53

0	13.94	33.22	5.85
9	13.97	33.21	5.90
22	13.96	33.22	5.93
45	13.95	33.21	5.90
67	12.92	33.17	5.90
88	10.60	33.12	5.31
133	9.64	33.66	3.63
173	8.70	33.87	3.31
216	8.02	34.00	2.89
259	7.33	34.09	1.98
310	6.96	34.14	1.38

OBSERVED DEPTHS

HORIZON:	STATION 90.60		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	13.4	33.22	6.01
9	13.35	33.21	6.04
23	13.2	33.24	6.04
46	13.3	33.24	6.04
68	11.4	33.23	5.30
91	9.96	33.30	4.59
141	9.27	33.81	3.25
185	7.83	33.95	3.03
274	7.55	34.14	1.89
368	6.55	34.15	1.11
458	6.08	34.25	0.61
553	5.48	34.29	0.45
646	5.08	34.38	0.36
744	4.63	34.43	0.36
936	4.10	34.47	0.56

HORIZON:	STATION 90.70		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	14.4	33.19	5.93
6	14.34	33.21	5.86
16	14.3	33.22	5.89
35	14.3	33.21	5.89
50	14.3	33.21	5.86
66	14.32	33.19	5.80
98	11.89	33.13	5.76
161	8.95	33.55	4.20
189	8.69	33.80	3.61
251	7.75	34.02	2.94
312	7.00	34.05	2.11
372	6.44	34.11	1.35
496	5.62	34.22	0.56
651	5.06	34.36	0.30
832	4.40	34.43	0.38

HORIZON:	STATION 90.80		
0	14.9	33.26	5.80
10	14.64	33.26	5.82
24	14.6	33.28	5.82
54	14.7	33.26	5.81
78	14.7	33.26	5.81
107	13.18 a	33.21	5.74
159	9.96	33.31	4.78
263	7.93	33.96	3.12
274 g	7.96	34.02	2.29
306	9.80 a	33.68 a	3.80 a
413	6.72	34.18	0.80
533	5.96	34.25	0.46
791	4.64	34.40	0.33
1005	3.90	34.47	0.59
1215	3.42	34.52	0.84

HORIZON:	STATION 90.90		
0	14.9	33.22	5.80
8	14.62	33.21	5.80
20	14.6	33.22	5.82
45	14.8	33.22	5.82
66	14.7	33.23	5.82
89	14.54	33.21	5.80
132	10.78	33.08	5.45
221	8.72	33.87	3.82
257 g	9.82 a	33.68 a	4.22a
302	7.95	34.00	2.74
410	6.52	34.10	1.34
516	5.63	34.23	0.64
747	4.72	34.38	0.38
980	3.85	34.47	0.60
1296	3.38	34.51	0.90

OBSERVED DEPTHS

HORIZON:	STATION 93.27		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	13.48	33.24	6.19
10	13.45	33.24	6.19
20	13.31	33.24	6.05
30	13.17	33.30	6.08
33a/51a	11.87	33.40	4.87

HORIZON:	STATION 93.30		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	13.9	33.26	6.02
8	13.40	33.28	6.00
19	13.3	33.24	6.05
38	11.8	33.24	5.63
58	10.7	33.40	4.78
75	10.29	33.40	4.42
112	9.85	33.77	3.35
142	9.50	34.02	2.44
174	9.44	34.20	1.80
206	9.14	34.18	1.61
277	8.34	34.29	1.22
352	7.60	34.29	0.84
437	6.72	34.31	0.59
525	6.20	34.33	0.43
622	5.54	34.33	0.31

HORIZON:	STATION 93.40		
0	13.8	33.26	5.94
9	13.64	33.26	5.94
27	13.7	33.24	5.99
53	12.7	33.22	5.55
79	10.6	33.39	4.48
105	9.79	33.57	3.97
155	8.70	33.85	3.10
183 e	8.52	34.05	2.58
254	8.55	34.28	1.10
256 g	8.45 a	34.25 a	1.20 a
401	6.78	34.27	0.62
529	6.02	34.31	0.36
805	4.73	34.40	0.34
1061	3.80	34.48	0.64
1274	3.34	34.56	0.86

HORIZON:	STATION 93.50		
0	13.7	33.20	6.01
8	13.41	33.22	6.01
19	13.4	33.23	6.08
42	13.2	33.21	6.10
62	12.8	33.26	5.97
92	11.72 a	33.15	5.52
118	10.00	33.35	4.69
193	8.66	34.02	2.52
225	8.43	34.11	2.01
300	7.47	34.16	1.40
372	6.91	34.25	0.78
445	6.45	34.31	0.54
597	5.59	34.34	0.32
773	4.66	34.43	0.33
963	4.03	34.51	0.51

OBSERVED DEPTHS

HORIZON:	STATION 93.60		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	14.3	33.33	5.85
8	14.30	33.35	5.80
24	14.2	33.33	5.90
47	13.8	33.22	5.91
71	12.2	33.21	5.46
94	11.07	33.30	4.82
98 e	9.88 a	33.66 a	3.82 a
139	9.60	33.68	3.65
223	8.96	34.20	2.03
292 g	8.25	34.18	1.71
363	7.40	34.15	1.14
460	6.22	34.22	0.68
629	5.01	34.39	0.25
903	4.17	34.49	0.53
1135	3.58	34.52	0.73

HORIZON:	STATION 97.30		
0	13.42	33.22	6.12
10	13.44	33.22	5.98
20	13.45	33.24	5.99
30	13.43	33.22	5.94

HORIZON:	STATION 93.70		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	14.44	33.24	5.89
8	14.3	33.24	5.90
24	14.1	33.21	5.81
46	13.9	33.22	5.95
68	13.34	33.21	6.10
89	11.30	33.12	5.59
133	9.70	33.60	3.76
221	8.13	33.99	2.89
264	7.50	34.05	2.49
436	6.14	34.18 a	0.84
519	5.62	34.27	0.54
693	4.94	34.65	0.30
881	4.28	34.42	0.44
349	4.28 a	34.09	1.54
1109	3.70	34.51	0.68

HORIZON:	STATION 97.32		
0	14.2	33.26	5.90
8	14.26	33.25	5.91
21	14.1	33.35	5.90
42	14.1	33.25	5.84
64	12.2	33.25	5.37
85	10.74	33.37	4.47
128	9.83	33.77	3.25
244 e	8.44 a	34.16 a	1.04 a
362 g	6.69	34.22	0.94
488	6.09	34.23	0.57
727	5.04	34.40	0.34
915	4.35	34.48	0.53
1120	3.68	34.49	0.71
231	8.32	34.13	2.20
280	7.44	34.07	1.91

OBSERVED DEPTHS

HORIZON: STATION 97.40

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.0	33.24	5.94
10	13.82	33.24	5.94
24	13.7	33.24	5.96
49	13.7	33.24	5.96
73	12.24	33.24	5.53
98	10.76	33.28	4.64
148	9.47	33.87	2.99
194	8.42	33.96	2.89
240	8.07	34.13	2.33
287	7.58	34.16	1.66
338	7.11	34.16	1.16
386	6.74	34.23	0.87
434	6.46	34.25	0.61
483	6.14	34.34	0.45

HORIZON: STATION 97.50

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.0	33.24	6.01
9	13.76	33.24	6.00
23	13.7	33.24	6.01
39 e	10.06 a	34.05 a	2.63 a
50	12.8	33.24	5.37
73	10.9	33.26	4.77
98	9.95	33.60	3.95
145	9.15	33.91	3.10
237	7.87	34.14	1.70
296 g	7.48	34.14	1.38
412	6.43	34.25	0.70
516	6.00	34.31	0.19 a
758	4.64	34.42	0.58 a
978	3.98	34.47	0.58
1185	3.50	34.53	0.83

HORIZON: STATION 97.60

0	14.2	33.28	5.85
12	14.12	33.30	5.84
30	14.2	33.28	5.91
50	14.3	33.31	5.80
68	14.2	33.28	5.86
106	10.84	33.35	4.64
140	10.28	33.55	3.97
173	9.59	33.94	2.86
205	8.56	34.00	2.87
279	7.57	34.09	2.16
353	7.00	34.20	1.08
437	6.50	34.22	0.79
521	6.16	34.13	0.44
616	5.52	34.37	0.35
712	5.00	34.40	0.35

HORIZON: STATION 97.70

0	14.7	33.35	5.80
10	14.64	33.37	5.83
28	14.8	33.39	5.80
57	14.9	33.35	5.79
84	13.8	33.24	5.66
112	11.24	33.28	4.99
165	9.55	33.80	3.38
266	8 06	34.14	2.12
291 g	8.08	34.11	2.06
292	8.09 a	33.80 a	3.34a
412	7.08	34.25	0.85
528	5.88	34.33	0.41
763	4.76	34.40	0.36
987	3.95	34.49	0.59
1232	3.34	34.54	0.93

HORIZON: STATION 100.29

0	13.34	33.25	6.14
10	13.32	33.26	6.16
20	13.30	33.29	6.14
30	12.89	33.30	5.99
49	10.94	33.49	4.12
73	9.64	33.82	3.15

HORIZON: STATION 100.30

0	13.12	33.28	5.79
10	13.06	33.26	5.73
24	11.85	33.41	4.86
48	10.15	33.68	3.55
72	9.76	33.80	3.22
95	9.35	33.99	2.51
146	9.30	34.13	2.00
193	9.07	34.18	1.66
240	8.89	34.23	1.41
287	8.50	34.23	1.11

OBSERVED DEPTHS

HORIZON:	STATION 100.40		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	14.4	33.28	5.86
10	14.38	33.22	5.88
25	-	33.22	5.90
50	-	33.22	5.88
74	-	33.19	5.66
98	14.40 a	33.37	4.60
151	9.54	33.80	3.31
231 e	9.10	34.16	1.45
242	9.05	34.22	1.39
263 g	9.05 a	33.71 a	3.48 a
356	7.58	34.27	0.70
488	6.50	34.30	0.48
733	5.00	34.37	0.35
941	4.16	34.49	0.56
1156	3.53	34.54	0.74

HORIZON:	STATION 100.50		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	14.7	33.28	5.89
10	14.18	33.26	5.87
24	14.1	33.28	5.88
48	14.2	33.33	5.90
72	12.2	33.27	5.03
95	10.46	33.35	4.62
144	9.78	33.76	3.33
233	8.48	34.13	2.25
278	8.09	34.23	1.52
372	7.28	34.27	0.82
461	6.32	34.23	0.53
556	5.74	34.33	0.34
741	4.83	34.40	0.36
928	4.14	34.47	0.50
1127	3.58	34.54	0.75

HORIZON:	STATION 100.60		
0	14.2	33.30	5.85
10	14.18	33.28	5.88
25	14.1	33.30	5.86
55	13.9	33.24	5.86
80	13.8	33.26	5.78
109	11.86	33.39	4.70
162	9.74	33.64	3.74
268	8.31	34.13	2.19
314	7.94	34.20	1.49
421	6.69	34.22	0.80
523	5.83	34.31	0.42
624	5.36	34.36	0.34
824	4.50	34.44	0.42
1029	3.94	34.47	0.62
1230	3.45	34.54	0.82

HORIZON:	STATION 100.70		
0	15.6	33.57	5.70
10	15.51	33.60	5.72
24	15.0	33.57	5.71
48	15.0	33.58	5.66
72	15.0	33.58	5.70
95	15.45	33.57	5.66
145	11.11	33.51	4.60
235	8.49	34.00	2.87
280	7.84	34.09	2.24
374	6.74	34.14	1.09
464	5.97	34.20	0.69
559	5.61	34.33	0.46
747	4.82	34.45	0.39
939	4.16	34.51	0.55
1139	3.56	34.55	0.64

HORIZON:	STATION 100.80		
0	15.0	33.37	5.80
10	14.81	33.39	5.80
29	14.7	33.39	5.80
59	14.6	33.37	5.77
89	13.3	33.26	5.45
116	11.20	33.22	5.05
172	9.27	33.77	3.55
282	7.58	34.09	2.10
364	7.03	34.14	1.52
443	6.07	34.22	0.72
553	5.48	34.33	0.35
660	5.00	34.38	0.31
877	4.24	34.45	0.48
1092	3.66	34.51	0.72
1301	3.16	34.58	0.99

HORIZON:	STATION 100.90		
0	14.9	33.31	5.85
9	14.59	33.31	5.85
18	14.8	33.31	5.82
41	14.6	33.33	5.88
60	14.6	33.31	5.88
81	13.95	33.28	5.83
117	10.06	33.22	5.00
194	8.53	33.93	3.48
226	8.14	33.98	3.22
302	7.30	34.11	1.76
375	6.64	34.20	0.93
447	6.17	34.23	0.61
597	5.31	34.34	0.28
767	4.58	34.42	0.38
951	3,98	34.47	0.53

OBSERVED DEPTHS

HORIZON: STATION 105.32

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	13.58	33.29	6.13
10	13.52	33.28	6.21
20	13.09	33.33	6.06
30	11.54	33.37	4.88
50	10.90	33.57	3.82

HORIZON: STATION 105.35

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.2	33.28	5.97
10	14.06	33.28	6.01
24	13.8	33.26	6.06
48	12.8	33.30	5.36
72	11.2	33.48	4.27
96	10.24	33.69	3.63
148	9.88	34.29	2.21
193	8.81	34.22	1.98
284	7.99	34.27	1.15
380	7.21	34.33	0.59
471	6.34	34.36	0.43
567	5.73	34.40	0.30
661	5.32	34.43	0.28
761	4.87	34.43	0.34
957	4.20	34.47	0.56

HORIZON: STATION 105.40

0	15.1	34.40	5.92
8	14.76	34.45	5.90
20	14.8	33.37	5.94
44	14.8	33.40	5.94
64	13.8	33.33	5.84
86	11.93	33.35	4.60
126	10.10	33.68	3.60
203	8.79	34.05	2.36
268 g	7.99	34.16	1.72
371	7.28	34.31	0.61
478	6.26	34.33	0.42
695	4.94	34.45	0.36
908	4.19	34.47	0.56
1099	3.66	34.49	0.71

HORIZON: STATION 105.50

0	15.1	33.35	5.83
8	14.74	33.37	5.85
20	14.7	33.37	5.87
41	14.4	33.28	5.96
62	14.2	33.28	5.87
81	12.08	33.36	4.79
125	9.96	33.57	4.00
159	9.28	33.82	3.33
230	8.65	33.98	2.52
304	8.04	34.25	1.24
378	7.33	34.27	0.77
459	6.65	34.29	0.50
539	6.08	34.34	0.34
628	5.59	34.40	0.26
811	4.66	34.43	0.40

OBSERVED DEPTHS

HORIZON:	STATION 105.60		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	16.0	33.60	5.65
10	15.70	33.60	5.68
30	15.8	33.58	5.70
60	15.8	33.62	5.66
89	15.8	33.60	5.34
118	12.98	33.40	5.23
175	9.82	33.64	3.89
286	8.08	34.10	2.11
342	7.59	34.13	-
448	6.65	34.25	1.56
560	5.94	34.29	0.67
668	5.29	34.35	0.39
888	4.30	34.45	0.30
1103	3.82	34.49	0.69
1314	3.22	34.52	0.96

HORIZON:	STATION 105.80		
0	-	33.51	5.73
8	15.54	33.48	5.72
26	15.5	33.53	5.71
51	15.5	33.49	5.90
76	15.5	33.53	5.73
103	14.70	33.55	5.38
155	10.22	33.56	4.52
176 e	8.22a	34.00a	2.70a
263	8.36	34.04	2.47
291 g	8.26	34.07	2.20
410	6.95	34.22	0.88
516	6.12	34.27	0.54
764	5.08	34.43	0.33
990	4.05	34.56	0.62
1233	3.34	34.51	0.93

HORIZON:	STATION 105.70		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	15.8	33.49	5.75
10	15.45	33.46	5.74
29	15.3	33.46	5.78
58	15.4	33.49	5.74
85	15.4	33.49	5.71
114	14.44	33.44	5.51
167	10.64	33.55	4.36
176 c	8.52a	33.84a	3.43a
272	8.46	34.05	2.67
292 g	8.20	34.11	1.82
430	6.90	34.20	0.89
564	5.84	34.31	0.41
824	4.70	34.42	0.40
1072	3.87	34.49	0.68
1292	3.28	34.56	0.97

OBSERVED DEPTHS

CREST: STATION 110.35

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	15.0	33.40	5.75
10	14.80	33.42	5.88
25	-	33.40	5.81
50	-	33.35	5.86
75	-	33.49	4.35
99	10.52	33.66	3.59
151	10.40	34.25	1.44
245	9.33	34.42	0.82
291	8.86	34.36	0.73
390	7.47	34.36	0.52
483	6.60	34.36	0.40
580	5.86	34.42	0.33
774	4.72	34.47	0.40
964	4.15	34.49	0.59
1165	3.63	34.52	0.77

CREST: STATION 110.40

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.9	33.35	5.85
9	14.73	33.37	5.79
24	14.5	33.33	5.80
48	14.5	33.40	5.75
71	13.3	33.30	5.25
93	10.95	33.42	4.40
142	9.78	33.84	3.19
228	8.80	34.20	2.14
274	8.20	34.20	1.55
367	7.28	34.33	0.82
457	6.46	34.29	0.51
548	6.08	34.36	0.34
734	4.88	34.42	0.35
919	4.18	34.47	0.56
1119	3.67	34.51	0.72

CREST: STATION 110.50

0	14.6	33.33	5.72
8	14.54	33.30	5.47
19	14.6	33.33	5.55
44	14.5	33.32	5.56
63	14.4	33.31	5.48
88	11.68	33.24	5.04
130	10.34	33.69	3.99
218	9.06	34.16	1.99
259	8.64	34.18	1.59
348	7.67	34.23	0.94
433	6.61	34.25	0.67
519	5.79	34.31	0.55
690	5.00	34.38	0.45
875	4.31	34.47	0.50
1067	3.78	34.51	0.72

CREST: STATION 110.60

0	15.06	33.40	-
9	14.93	33.39	-
23	15.1	33.39	5.69
52	14.9	33.40	5.68
74	14.9	33.39	5.62
100	12.54	33.24	5.31
145	10.88	33.75	3.45
226	9.04	34.14	2.31
262	8.42	34.11	2.21
342	7.28	34.14	1.41
419	6.62	34.23	0.94
496	6.50	34.34	0.47
645	5.47	34.40	0.30
795	4.76	34.47	0.38
948	4.26	34.47	0.47

OBSERVED DEPTHS

CREST: STATION 110.70

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	16.1	33.62	5.53
8	15.85	33.62	5.41
21	15.8	33.62	5.49
45	15.8	33.62	5.50
66	15.9	33.60	5.57
88	15.86	33.62	5.42
131	13.28	33.46	4.76
220	10.00	34.05	2.32
258	9.40	34.22	1.83
347	10.32a	34.25	1.18
430	7.46	34.31	0.66
516	6.94	34.33	0.41
683	5.33	34.38	0.30
865	4.51	34.42	0.39
1057	3.84	34.49	0.62

CREST: STATION 113.30

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.07	33.53	5.96
10	13.50	33.53	5.80
20	13.46	33.53	5.44
30	13.46	33.55	5.40

CREST: STATION 113.35

0	14.4	33.22	5.86
10	14.04	33.30	5.94
25	13.8	33.26	5.77
50	12.9	33.33	5.60
74	11.6	33.46	4.40
98	10.32	33.62	3.97
150	9.52	34.00	2.84
243	9.22	34.34	1.00
291	8.74	34.36	0.84
387	7.60	34.40	0.51
479	6.68	34.34	0.37
579	5.82	34.38	0.30
771	4.79	34.40	0.33
962	4.03	34.49	0.65
1165	3.54	34.54	0.78

CREST: STATION 113.40

0	15.4	33.46	5.68
10	15.14	33.44	5.69
25	14.9	33.40	5.77
50	14.9	33.42	5.68
75	14.8	33.40	5.72
99	12.55	33.48	4.57
151	9.90	33.75	3.55
246	9.01	34.20	1.80
292	8.33	34.23	1.19
392	7.63	34.31	0.64
486	6.74	34.36	0.37
585	5.88	34.36	0.28
779	4.88	34.43	0.38
971	4.15	34.49	0.56
1173	- c	34.54	0.87

CREST: STATION 113.50

0	15.6	33.48	5.68
10	15.36	33.51	5.75
25	15.4	33.54	5.62
50	15.3	33.51	5.94
75	15.3	33.53	5.70
99	15.17	33.46	5.66
151	11.25	33.60	3.90
248	9.21	34.16	2.00
259 g	9.32	34.14	2.08
374	8.78	34.34	0.59
468	7.24	34.34	0.43
553	6.24	34.34	0.37
783	4.80	34.38	0.39
976	4.11	34.49	0.64
1181	3.54	34.52	0.71

CREST: STATION 113.60

0	15.9	33.51	5.60
10	15.36	33.46	5.64
25	15.2	33.44	5.74
50	15.2	33.46	5.66
75	15.1	33.46	5.74
99	14.30	33.33	5.57
152	10.38	33.62	3.92
244	8.57	34.04	2.74
292	8.06	34.18	1.68
390	7.63	34.33	0.52
483	6.69	34.36	0.42
582	5.98	34.38	0.25
776	4.82	34.45	0.37
967	4.22	34.49	0.50
1170	3.56	34.51	0.98

OBSERVED DEPTHS

CREST: STATION 14.34

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.34	33.71	5.94
10	14.32	33.71	5.88
20	14.32	33.69	5.86
30	14.30	33.68	5.80
50	13.84	33.68	5.13

CREST: STATION 117.26

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.50	33.64	5.80
10	14.49	33.64	5.78
20	14.49	33.61	5.78
30	14.50	33.64	5.80
50	14.30	33.62	5.67
75	11.78	33.68	3.56

CREST: STATION 117.35

0	15.12	33.69	5.70
10	15.12	33.68	5.65
20	15.11	33.64	5.70
30	15.11	33.66	5.65
50	15.12	33.69	5.70
75	12.25	33.57	4.11
100	10.27	33.80	3.27
125	10.20	33.91	2.83

CREST: STATION 117.40

0	14.8	33.57	5.83
10	14.69	33.62	5.79
- h	-	33.58a	5.84a
50	14.6	33.64	5.72
75	11.3	33.53	4.19
99	10.34	33.68	3.63
152	9.78	33.89	3.16
197	9.49	34.29	1.35
244	9.39	34.43	0.71
290	8.80	34.40	0.56
389	8.02	34.40	0.47
483	6.90	34.40	0.31
583	5.87	34.38	0.33
680	5.30	34.42	0.31
783	4.79	34.42	0.45

CREST: STATION 117.50

0	15.6	33.53	5.65
10	15.19	33.55	5.72
25	15.1	33.48	5.68
50	14.8	33.51	5.76
74	13.3	33.49	5.41
98	11.78	33.58	4.09
149	10.69	34.09	2.07
242	10.16	34.45	0.64
289	9.52	34.43	0.65
385	8.13	34.40	0.46
480	6.95	34.36	0.34
577	6.00	34.40	0.30
769	4.89	34.46	0.30
959	4.12	34.49	0.57
1161	3.66	34.54	0.72

CREST: STATION 117.60

0	15.3	33.46	5.67
10	15.08	33.44	5.75
24	15.0	33.44	5.71
49	14.8	33.44	5.78
72	14.2	33.42	5.72
97	13.95	33.46	5.47
146	10.04	33.71	3.46
238	9.65	34.31	1.36
284	8.53	34.20	1.40
381	7.67	34.31	0.59
473	6.57	34.34	0.39
569	6.04	34.34	0.36
761	4.96	34.40	0.41
950	4.18	34.49	0.56
1151	3.64	34.51	0.85

OBSERVED DEPTHS

CREST: STATION 120.25

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	15.20	33.69	5.80
10	15.20	33.69	5.80
20	15.12	33.73	5.75
30	15.08	33.71	5.69

CREST: STATION 120.30

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	14.88	33.68	5.58
10	14.82	33.68	5.50
20	14.78	33.66	5.71
30	14.70	33.68	5.71
50	14.12	33.62	5.17

CREST: STATION 120.35

0	15.38	33.75	5.61
10	15.24	33.75	5.67
20	15.21	33.75	5.66
30	15.19	33.69	5.65
50	15.19	33.75	5.62

CREST: STATION 120.45

0	14.9	33.49	5.73
8	14.78	33.53	5.74
- h	-	33.60a	5.71a
45	14.9	33.73	5.05
62	12.9	33.75	5.27
70	12.28	33.42	4.87
94	11.29	33.55	3.95
169	11.44	34.49	0.68
203	10.83	34.52	0.59
279	9.37	34.49	0.45
351	8.53	34.43	0.39
424	7.76	34.40	0.34
565	6.44	34.40	0.30
717	5.36	34.40	0.30
883	- c	34.49	0.71

CREST: STATION 120.50

0	16.6	33.89	5.49
9	16.59	33.86	5.44
23	16.6	33.89	5.48
51	16.6	33.89	5.45
73	14.4	33.89	5.44
99	12.70	33.73	3.79
144	10.80	33.98	2.38
228	9.88	34.36	1.21
265	9.57	34.42	0.84
348	8.52	34.40	0.70
426	7.84	34.38	0.43
508	6.96	34.38	0.30
662	5.50	34.45	0.27
822	4.65	34.47	0.42
993	4.04	34.47	0.58

CREST: STATION 120.60

0	15.6	33.78	5.55
9	16.21	33.78	5.57
23	16.3	33.78	5.54
52	16.3	33.77	5.54
75	15.4	33.58	5.65
102	13.34	33.58	4.42
147	11.07	33.97	2.42
244	10.02	34.51	0.69
286	9.53	34.47	0.52
384	8.33	34.47	0.33
479	7.31	34.47	0.25
573	6.42	34.45	0.20
759	5.09	34.47	0.32
955	4.33	34.47	0.49
1150	3.61	34.49	0.71

OBSERVED DEPTHS

CREST: STATION 120.70

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	16.6	33.82	5.55
9	16.48	33.82	5.46
23	16.3	33.82	5.46
52	16.3	33.82	5.48
75	15.3	33.66	5.17
102	12.25	33.68	3.69
152	10.90	34.02	2.20
253	9.99	34.43	0.75
298	9.37	34.42	0.69
403	8.05	34.40	0.42
502	6.83	34.42	0.33
602	6.14	34.40	0.24
758	5.29	34.42	0.32
999	3.95	34.49	0.62
1200	3.45	34.51	0.86

CREST: STATION 120.80

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	15.7	33.62	5.63
8	15.68	33.62	5.58
22	15.6	33.62	5.59
45	15.6	33.62	5.60
67	15.7	33.62	5.59
88	13.66	33.44	4.99
131	11.22	33.80	2.95
213	9.71	34.22	1.57
255	9.32	34.34	1.08
340	8.56	34.34	0.75
422	7.67	34.40	0.48
509	6.84	34.34	0.31
684	5.61	34.42	0.26
866	4.74	34.47	0.41
1058	4.02	34.52	0.59

CREST: STATION 120.90

0	16.7	33.80	5.51
10	16.44	33.78	5.48
25	16.6	33.77	5.47
50	16.8	33.87	5.46
75	16.8	33.87	5.65
99	13.55	33.58	4.98
151	10.46	33.80	3.12
246	9.42	34.29	1.33
292	8.80	34.30	1.07
391	7.21	34.31	0.60
488	6.39	34.34	0.42
587	5.81	34.37	0.30
779	4.77	34.43	0.39
972	4.11	34.51	0.57
1170	3.60	34.54	0.76

CREST: STATION 123.37

0	14.94	33.87	5.54
10	14.92	33.86	5.52
20	14.70	33.84	5.23
30	13.38	33.77	4.14
50	12.68	33.89	3.37

OBSERVED DEPTHS

CREST: STATION 123.40

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	15.29	33.78	5.99
24	15.1	33.78	5.56
48	14.08	33.77	4.67
72	12.54	33.86	3.08
123	12.02	34.34	1.25
169	11.10	34.49	0.66
213	10.52	34.54	0.39
257	10.03	34.52	0.37
306	9.32	34.45	0.38
352	8.77	34.47	0.34
399	7.98	34.45	0.33
447	7.39	34.42	0.25

CREST: STATION 123.50

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	16.8	33.91	5.46
8	16.70	33.91	5.43
22	16.7	33.75	5.45
44	15.7	33.68	5.62
67	15.7	33.80	5.49
88	13.15	33.66	4.03
132	10.92	33.99	2.29
209	9.80	34.34	1.32
249	9.38	34.34	0.92
331	8.14	34.34	0.70
412	7.55	34.40	0.39
496	6.84	34.42	-
664	5.56	34.37	0.27
839	4.80	34.42	0.35
1032	4.09	34.49	0.51

CREST: STATION 123.60

0	17.1	33.98	5.39
9	17.06	33.98	5.40
24	17.0	33.98	5.39
53	16.8	33.98	5.40
77	16.7	33.87	5.22
105	12.38	33.58	4.58
155	10.34	34.04	2.47
259	9.32	34.46	0.87
305	9.08	34.47	0.50
410	8.01	34.47	0.34
510	6.89	34.45	0.28
611	5.99	34.45	0.24
808	4.80	34.48	0.32
1011	4.14	34.49	0.51
1211	3.58	34.51	0.74

CREST: STATION 127.34

0	16.25	33.95	5.60
10	15.78	33.98	5.60
20	15.36	33.93	5.32
30	15.14	33.93	5.21
50	12.76	33.68	4.12

CREST: STATION 127.40

0	17.3	34.14	5.42
10	17.04	34.18	5.40
25	16.7	34.18	5.37
50	16.8	34.18	5.39
74	14.9	34.09	3.49
97	13.60	34.14	1.98
148	11.37	34.27	1.51
239	9.82	34.43	0.79
286	9.38	34.49	0.50
382	8.27	34.47	0.29
474	7.31	34.51	0.24
571	6.36	34.43	0.21
762	5.05	34.45	0.28
949	4.32	34.55	0.48
1151	3.74	34.49	0.62

CREST: STATION 127.50

0	16.4	33.82	5.40
9	16.28	33.82	5.44
23	16.2	33.86	5.41
46	16.2	33.80	5.43
69	15.61	33.68	5.42
91	15.33	33.77	5.05
137	11.20	33.82	3.14
222	9.40	34.25	1.68
266	8.97	34.31	1.12
356	7.93	34.36	0.57
442	7.17	34.38	0.32
532	6.43	34.40	0.33
712	5.34	34.43	0.23
895	4.50	34.47	0.42
1091	3.91	34.54	0.59

OBSERVED DEPTHS

CREST: STATION 127.60

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	17.0	33.93	5.40
9	16.92	33.93	5.40
23	16.7	33.87	5.42
47	16.7	33.91	5.37
69	16.7	33.91	5.37
90	16.84	33.89	5.32
135	12.19	33.77	3.84
215	9.50	34.16	2.20
256	9.40	34.31	1.24
343	8.55	34.36	0.60
427	7.57	34.39	0.41
514	6.74	34.41	0.30
689	5.55	34.43	0.24
868	4.65	34.45	0.33
1057	3.99	34.52	0.53

CREST: STATION 130.30

Depth (m)	T (°C)	S (‰)	O_2 (ml/L)
0	16.95	34.22	5.35
10	16.94	34.22	5.33
20	16.94	34.22	5.30
30	16.94	34.22	5.33
50	16.90	34.22	5.17

CREST: STATION 130.35

0	16.82	34.09	5.49
9	16.82	34.07	5.41
24	16.81	34.07	5.41
48	16.56	34.02	5.42
71	14.0	33.80	4.17
94	13.12	34.09	2.40
188	11.15	34.60	0.47
232	10.52	34.60	0.30
276	10.05	34.54	0.30
326	9.28	34.54	0.24
377	8.30	34.51	0.24

CREST: STATION 130.40

0	17.0	34.09	5.42
9	16.92	34.06	5.28
23	17.00	34.13	5.31
52	16.6	34.11	5.25
75	15.9	33.84	4.54
103	13.20	34.22	1.74
153	12.13	34.51	0.64
258	10.82	34.65	0.27
303	10.22	34.61	0.24
408	8.38	34.50	0.24
509	7.11	34.45	0.19
612	6.20	34.47	0.21
811	5.01	34.51	0.26
1013	4.16	34.53	0.59
1212	3.60	34.56	0.78

CREST: STATION 130.50

0	17.1	34.04	5.39
9	16.95	34.05	5.41
23	16.9	34.02	5.39
52	16.8	34.04	5.35
75	15.6	33.75	4.72
103	11.86	33.68	3.63
153	10.57	34.07	2.24
256	9.44	34.40	0.76
302	8.82	34.40	0.57
406	7.90	34.42	0.29
475e	7.06a	34.43a	0.58a
505	6.72	34.40	0.27
641g	5.52	34.42	0.25
758	5.06	34.47	0.31
1070	3.85	34.51	0.59

CREST: STATION 130.60

0	16.3	33.84	5.11
10	16.28	33.83	5.08
24	16.4	33.84	5.52
53	16.2	33.83	5.46
77	15.5	33.68	5.59
106	12.37	33.53	4.49
156	10.58	34.02	2.47
261	9.59	34.43	0.72
307	8.96	34.47	0.50
412	7.85	34.43	0.29
512	6.81	34.43	0.25
614	6.08	34.43	0.28
813	4.90	34.47	0.30
1017	4.11	34.49	0.51
1217	3.56	34.54	0.77

OBSERVED DEPTHS

CREST:	STATION 133.25		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	18.02	34.47	5.59
10	17.78	34.45	5.46
20	17.62	34.51	5.06
30	17.30	34.36	4.31
50	16.12	34.22	2.74

CREST:	STATION 133.30		
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	17.92	34.47	5.13
10	17.78	34.47	5.04
20	17.95	34.45	5.02
30	17.74	34.51	4.97
50	17.34	34.40	4.53
75	14.17	34.20	2.00
100	13.18	34.38	0.84
125	12.92	34.51	0.50

CREST:	STATION 133.40		
0	18.8	34.51	5.18
10	18.60	34.52	5.18
25	18.5	34.51	5.12
50	18.6	34.52	5.13
75	14.2	34.07	2.84
99	12.97	34.13	2.01
150	11.64	34.47	0.93
244	10.24	34.60	0.41
291	9.72	34.56	0.30
389	8.60	34.51	0.24
483	7.24	34.63	0.16
582	6.34	34.45	0.17
774	5.11	34.49	0.26
966	4.30	34.61	0.42
1166	3.74	34.54	0.59

CREST:	STATION 133.50		
0	17.8	34.23	5.27
10	17.78	34.22	5.26
25	17.7	34.23	5.25
50	17.7	34.25	5.25
74	16.3	33.98	4.62
99	12.29	33.67	3.87
150	10.73	34.05	2.18
241	9.88	34.42	0.82
287	9.32	34.40	0.59
384	8.10	34.42	0.33
476	7.11	34.42	0.20
574	6.20	34.40	0.22
765	5.03	34.45	0.28
954	4.28	34.47	0.45
1155	3.58	34.54	0.65

CREST:	STATION 137.23		
0	19.03	34.49	4.97
10	18.94	34.49	4.99
20	18.91	34.49	5.07
30	18.92	34.49	5.09
50	18.12	34.47	4.44

CREST:	STATION 137.30		
0	18.77	34.45	5.12
10	18.63	34.47	5.25
25	18.62	34.47	5.25
50	18.33	34.47	4.94
74	14.18	34.20	2.03
98	12.96	34.27	1.24
149	12.10	34.60	0.26
197	11.48	34.65	0.10
246	11.13	34.65	0.16
296	10.75	34.47a	0.16

OBSERVED DEPTHS

CREST: STATION 137.40			
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	18.9	34.47	5.15
-h	18.81	34.47	5.21a
-h	-	34.47	5.16a
-h	-	34.47	5.12a
-h	-	34.00	3.73a
-h	18.54a	34.47	5.19a
-h	13.59a	33.98	3.53
154	10.96	34.33	1.03
193	10.66	34.51	0.64
273	9.68	34.52	0.37
349	8.80	34.47	0.24
428	7.94	34.47	0.18
-h	6.27a	34.45a	0.18a
-h	5.36a	34.47a	0.19a
-h	4.49a	34.47a	0.34a

CREST: STATION 137.50			
Depth	T	S	O_2
(m)	(°C)	(‰)	(ml/L)
0	18.3	34.43	5.22
10	18.32	34.43	5.12
25	18.4	34.43	5.12
50	18.4	34.43	5.14
74	16.1	34.42	5.10
98	14.16a	33.91	3.10
198	10.56	34.40	1.04
246	9.98	34.42	0.64
293	9.34	34.51	0.43
393	8.35	34.51	0.28
489	6.96	34.43	0.24
589	6.30	34.43	0.18
785	5.02	34.45	0.22
978	4.40	34.52	0.39
1181	3.73	34.51	0.59

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 113.30

Depth (m)	T (°C)	S (‰)
0	13.98	33.58
10	13.96	33.58
20	13.79	33.57
30	12.31	33.53
49	11.29	33.75

BLACK DOUGLAS: STATION 113.35

Depth (m)	T (°C)	S (‰)
0	14.8	33.35
10	14.76	33.37
24	14.8	33.37
53	14.4	33.40
77	11.5	33.42
100e	11.19a	33.49
104	10.38	33.62
143g	9.76	33.91
192	8.95	34.09
234	8.69	34.22
332	7.92	34.33
431	7.10	34.38
535	6.06	34.39

BLACK DOUGLAS: STATION 113.40

0	14.8	33.25
10	14.74	33.37
25	14.7	33.33
55	14.1	33.33
79	12.4	33.24
108	10.62	33.40
158	9.65	33.91
208	9.22	34.11
264	8.18	34.16
309	7.89	34.17
416	6.76	34.31
521	6.14	34.38
628	5.48	34.40

BLACK DOUGLAS: STATION 113.50

0	15.2	33.33
9	15.18	33.37
23	14.6	33.36
51	14.0	33.40
72	13.8	33.24
98	12.86	33.28
98	13.29a	33.24a
142	10.87	33.68
186	9.40	33.91
236	8.86	34.13
279	8.72	34.29
378	7.56	34.33
478	6.67	34.33
584	5.91	34.40

BLACK DOUGLAS: STATION 113.60

0	15.6	33.47
10	15.55	33.48
24	14.9	33.45
48	14.9	33.44
71	14.6	33.39
93	13.32	33.28
140	10.74	33.96
181	9.93	33.69
224	9.22	34.05
267	8.69	34.24
360	7.87	34.25
451	7.10	34.34
550	6.21	34.38

BLACK DOUGLAS: STATION 113.70

0	16.3	33.57
10	16.13	33.62
25	16.0	33.57
50	15.8	33.62
75	15.7	33.66
99	15.69	33.58
149	11.62	33.75
195	10.27	34.05
241	9.04	34.14
287	8.61	34.29
385	7.86	34.34
480	6.56	34.27
588	5.90	34.34

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 117.26

Depth (m)	T (°C)	S (‰)
0	14.52	33.48
10	14.39	33.48
20	13.55	33.48
30	12.39	33.48
50	10.98	33.59

BLACK DOUGLAS: STATION 117.30

Depth (m)	T (°C)	S (‰)
0	14.40	33.58
10	14.22	33.58
20	13.06	33.50
30	11.98	33.42
50	10.98	33.58
75	10.15	33.78

BLACK DOUGLAS: STATION 117.40

0	15.4	33.40
10	15.28	33.40
25	14.8	33.41
49	14.3	33.40
73	14.0	33.42
97	11.67	33.35
147	9.65	33.87
193	9.53	34.09
238	9.70	34.43
284	9.06	34.43
382	7.94	34.36
477	6.92	34.41
580	6.04	34.43

BLACK DOUGLAS: STATION 117.50

0	15.8	33.48
9	15.80	33.48
24	15.5	33.49
48	15.2	33.48
72	15.1	33.49
96	13.02	33.48
146	11.19	33.96
190	10.44	34.22
235	9.80	34.33
280	9.63	34.36
377	8.16	34.38
472	7.24	34.38
574	6.20	34.42

BLACK DOUGLAS: STATION 117.60

0	16.1	33.53
10	16.09	33.53
24	15.2	33.58
49	15.1	33.57
72	13.8	33.58
96	12.00	33.53
145	9.97	33.84
190	9.44	34.09
236	9.19	34.27
281	8.43	34.22
379	7.60	34.34
474	6.58	34.33
578	5.84	34.34

BLACK DOUGLAS: STATION 117.70

0	16.0	33.60
10	16.08	33.53
24	15.4	33.55
48	15.2	33.55
72	15.2	33.57
95	14.88	33.55
143	11.21	33.51
187	9.35	33.84
232	9.68	34.04
277	9.08	34.25
374	7.88	34.34
467	6.91	34.38
570	6.07	34.34

BLACK DOUGLAS: STATION 120.25

0	14.96	33.55
10	14.94	33.58
20	14.16	33.57
30	13.70	33.60
50	12.05	33.62

BLACK DOUGLAS: STATION 120.30

0	14.44	33.46
10	14.74	33.55
20	14.23	33.57
30	14.26	33.64
50	12.50	33.48

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 120.35

Depth (m)	T (°C)	S (‰)
0	15.12	33.60
10	15.06	33.60
20	14.46	33.58
30	14.10	33.53
50	13.94	33.55

BLACK DOUGLAS: STATION 120.45

Depth (m)	T (°C)	S (‰)
0	15.6	33.62
10	14.94	33.66
25	14.1	33.69
50	12.1	33.87
75	10.3	33.87
98	10.54	34.22
150	9.50	34.29
196	9.40	34.47
290	8.99	34.47
387	7.77	34.40
480	6.79	34.40
580	5.90	34.40
772	4.38	34.43
963	4.07	34.50
1164	3.57	34.54

BLACK DOUGLAS: STATION 120.50

0	15.7	33.42
10	14.64	33.37
24	13.9	33.37
48	13.3	33.33
72	12.6	33.39
96	11.93	33.40
145	10.04	33.86
189	9.47	34.09
232	9.12	34.25
277	8.99	34.40
373	7.92	34.40
466	6.81	34.36
568	6.10	34.40

BLACK DOUGLAS: STATION 120.60

0	16.50	33.73
10	16.45	33.77
25	16.1	33.71
50	16.1	33.78
74	16.2	33.87
98	15.34	33.68
149	10.73	33.82
196	10.51	34.25
285	9.60	34.50
382	8.56	34.47
474	7.39	34.42
570	5.78	34.40
760	5.10	34.49
949	4.18	34.50
1150	3.58	34.52

BLACK DOUGLAS: STATION 120.70

0	16.4	33.49
10	15.84	33.49
25	15.3	33.49
50	15.2	33.49
75	15.1	33.48
99	15.04	33.46
150	10.44	33.60
196	9.98	34.05
242	9.65	34.34
289	9.36	34.43
389	8.08	34.42
485	7.02	34.45
588	6.31	34.45

BLACK DOUGLAS: STATION 120.80

0	15.4	33.55
10	15.93	33.58
25	15.5	33.55
50	15.3	33.55
74	15.3	33.57
98	15.15	33.62
197	10.14	34.11
243	9.28	34.23
290	8.69	34.29
387	7.72	34.34
480	6.68	34.36
578	5.99	34.34
769	4.94	34.45
959	4.22	34.42
1160	3.66	34.52

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 120.90

Depth (m)	T (°C)	S (‰)
0	17.7	33.96
10	17.42	33.95
25	17.2	33.96
50	16.3	33.78
74	16.3	33.86
98	15.70	33.80
149	11.14	33.91
195	9.98	34.02
242	9.25	34.22
288	8.54	34.25
386	7.48	34.36
482	6.64	34.35
585	5.98	34.36

BLACK DOUGLAS: STATION 123.37

Depth (m)	T (°C)	S (‰)
0	13.06	33.78
10	12.68	33.73
20	12.49	33.71
30	11.54	33.84
50	11.62	34.00

BLACK DOUGLAS: STATION 123.40

0	14.8	33.53
10	14.46	33.49
25	14.1	33.44
50	12.6	33.78
74	11.6	33.96
98	11.48	34.20
148	11.24	34.51
194	10.92	34.52
240	10.37	34.52
286	9.66	34.51
385	8.24	34.46
481	7.20	34.40
584	5.88	34.40

BLACK DOUGLAS: STATION 123.50

0	16.0	33.49
9	15.69	33.51
23	14.9	-
47	14.8	33.44
69	14.5	33.42
92	12.82	33.44
136	10.40	33.84
176	9.66	34.09
217	9.16	34.16
259	9.25	34.36
348	7.75	34.27
437	7.18	34.38
535	6.20	34.38

BLACK DOUGLAS: STATION 123.60

0	16.8	33.87
10	16.78	33.86
25	16.1	33.80
49	16.1	33.82
73	16.0	33.82
96	15.45	33.73
145	10.76	33.84
189	9.64	34.07
234	9.41	34.33
279	9.01	34.40
375	8.08	34.40
470	7.00	34.40
573	6.08	34.42

BLACK DOUGLAS: STATION 127.34

0	14.28	33.64
10	13.84	33.68
20	13.46	33.71
30	12.77	33.70
50	12.02	33.73

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 127.40

Depth (m)	T (°C)	S (‰)
0	15.1	33.57
10	14.92	33.55
24	14.7	33.57
47	13.8	33.60
69	11.7	33.48
92	11.14	33.80
137	11.04	34.36
178	10.24	34.34
218	9.90	34.47
260	9.57	34.51
350	8.53	34.49
439	7.40	34.45
537	6.48	34.47

BLACK DOUGLAS: STATION 127.50

Depth (m)	T (°C)	S (‰)
0	15.7	33.58
9	15.46	33.60
24	15.3	33.59
48	14.9	33.55
71	14.5	33.58
94	13.35	33.64
142	10.73	34.00
185	10.28	34.25
228	10.08	24.45
273	9.74	34.43
367	8.28	34.45
459	7.44	34.45
558	6.40	34.45

BLACK DOUGLAS: STATION 127.60

0	16.6	33.84
9	16.58	33.82
24	16.5	33.86
48	16.4	33.78
71	16.4	33.82
93	16.36	33.76
139	11.92	33.75
180	9.76	33.86
221	9.31	34.11
264	8.45	34.11
356	7.93	34.36
446	7.14	34.36
546	6.48	34.38

BLACK DOUGLAS: STATION 130.30

0	14.20	33.87
10	13.86	33.84
20	13.51	33.89
30	12.92	34.02
51	11.74	34.23

BLACK DOUGLAS: STATION 130.35

0	15.58	33.80
10	15.14	33.78
25	14.05	33.62
50	13.05	33.66
75	12.66	34.09
101	12.04	34.27
125	11.61	34.33
155	11.15	34.45

BLACK DOUGLAS: STATION 130.40

0	17.4	34.28
10	16.88	34.25
24	16.8	34.24
49	16.9	34.25
73	14.2	34.02
97	12.78	34.16
148	11.66	34.39
193	11.30	34.58
285	9.61	34.52
381	8.49	34.52
472	7.35	34.45
568	6.28	34.43
757	5.06	34.47
945	4.22	34.54
1146	3.82	34.55

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 130.50

Depth (m)	T (°C)	S (‰)
0	16.2	33.76
10	15.81	33.77
25	15.3	33.77
49	15.2	33.73
73	14.4	33.69
97	11.72	33.64
147	10.45	34.11
193	10.14	34.37
238	9.62	34.43
284	9.30	34.45
381	8.18	34.43
475	7.03	34.40
578	6.23	34.42

BLACK DOUGLAS: STATION 130.60

Depth (m)	T (°C)	S (‰)
0	16.6	33.87
10	16.47	33.87
24	16.2	33.87
54	15.7	33.86
78	15.4	33.80
106	13.32	33.65
157	10.84	33.93
207	9.50	34.14
306	8.92	34.34
412	7.86	34.40
512	6.87	34.41
613	6.02	34.45
810	4.78	34.45
1012	4.12	34.54
1213	3.51	34.56

BLACK DOUGLAS: STATION 133.25

0	15.25	33.91
10	15.26	33.87
20	15.27	33.89
30	14.88	33.95
50	14.44	33.86

BLACK DOUGLAS: STATION 133.30

0	15.67	33.93
9	15.54	33.93
24	15.55	33.98
48	14.44	33.89
71	13.62	33.89
96	12.64	34.16
120	12.28	34.33
149	11.93	34.38

BLACK DOUGLAS: STATION 133.40

0	16.90	34.16
10	16.84	34.14
25	16.6	34.13
50	16.4	34.16
74	16.3	34.13
98	13.61	34.16
149	11.71	34.52
195	11.22	34.60
240	10.26	34.56
287	9.65	34.54
385	8.40	34.52
479	7.25	34.45
581	6.40	34.49

BLACK DOUGLAS: STATION 133.50

0	17.4	33.98
10	16.57	33.98
24	16.6	33.98
53	16.6	34.04
77	14.00	33.69
105	12.69	33.98
154	11.00	34.22
202	10.54	34.43
256	10.74	34.49
301	9.82	34.58
407	8.03	34.49
510	7.04	34.46
616	6.31	34.45

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 133.60

Depth (m)	T (°C)	S (‰)
0	16.7	33.95
10	16.76	33.93
25	16.8	33.95
53	16.7	34.02
77	16.3	33.87
104	12.94	33.71
153	10.84	33.91
201	10.10	34.23
254	9.58	34.42
299	9.27	34.45
404	8.30	34.49
507	7.21	34.52
615	6.25	34.47

BLACK DOUGLAS: STATION 137.23

Depth (m)	T (°C)	S (‰)
0	16.13	34.09
10	16.12	34.09
20	16.12	34.07
30	16.09	34.16
50	15.88	34.07

BLACK DOUGLAS: STATION 137.30

0	17.14	34.34
9	17.13	34.42
24	17.14	34.38
48	17.13	34.42
71	16.94	34.36
94	14.33	34.25
141	- c	34.22
184	13.45	34.51
229	11.52	34.67

BLACK DOUGLAS: STATION 137.40

0	16.2	34.05
9	16.18	33.98
23	16.1	34.05
49	16.1	34.05
69e	16.05	34.02a
70	16.1	33.98
96	12.16	34.00
114g	11.92	34.11
165	10.78	34.51
207	10.54	34.54
306	8.86	34.43
405	7.76	34.45
529	6.67	34.43

BLACK DOUGLAS: STATION 137.50

0	17.9	34.36
9	17.90	34.29
23	17.9	34.29
52	17.8	34.34
75	17.7	34.38
102	14.56	33.86
148	11.75	34.25
194	10.98	34.51
245	10.46	34.54
289	9.70	34.54
390	8.51	34.53
490	7.32	34.45
595	6.31	34.47

BLACK DOUGLAS: STATION 137.60

0	17.8	34.17
10	17.94	34.18
25	17.9	34.18
55	17.9	34.16
79	17.8	34.18
108	12.76	33.73
159	11.88	34.20
209	10.31	34.31
265	9.52	34.39
313	9.21	34.43
421	7.79	34.45
527	6.88	34.45
636	6.18	34.45

EXPLANATORY NOTES

a Value rejected in drawing curves and reading off values at standard depths.

b Temperature reading off scale, above listed value.

c Thermometer failure.

d Observations disagreed, mean value taken.

e This bottle tripped before being lowered to its full depth

f This bottle may have pre-tripped.

g This bottle pre-tripped and released its messenger so that all bottles below it pre-tripped also.

MLR-1

DISTRIBUTION LIST

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