

**UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY**

**Physical and Chemical Data
Cruise 36
Marine Life Research Program
2-28 April 1952**

Prepared by
Marine Life Research Program Division of Oceanography

Sponsored by
Marine Research Committee

Reference 52-37

30 July 1952

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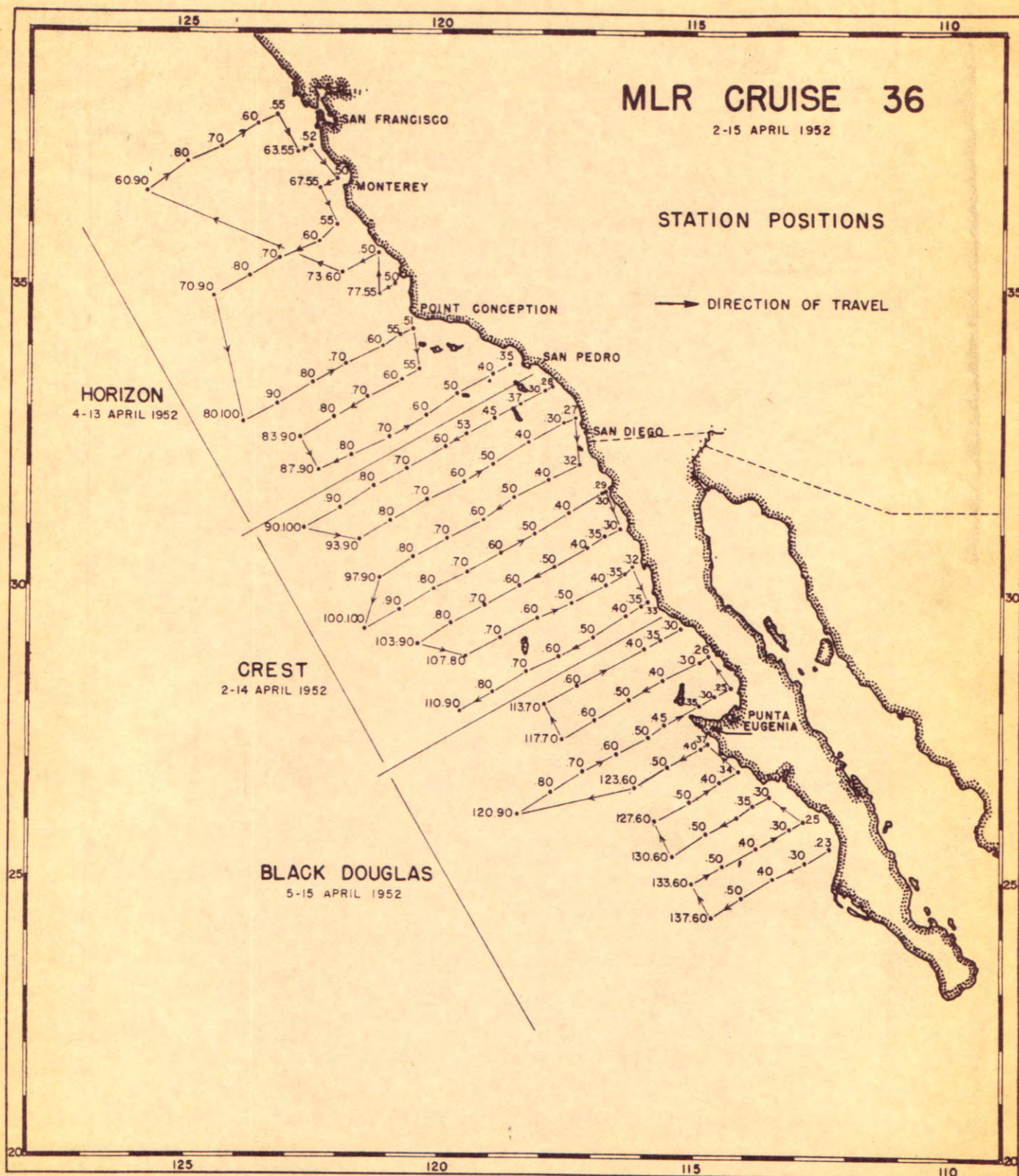
30 July 1952

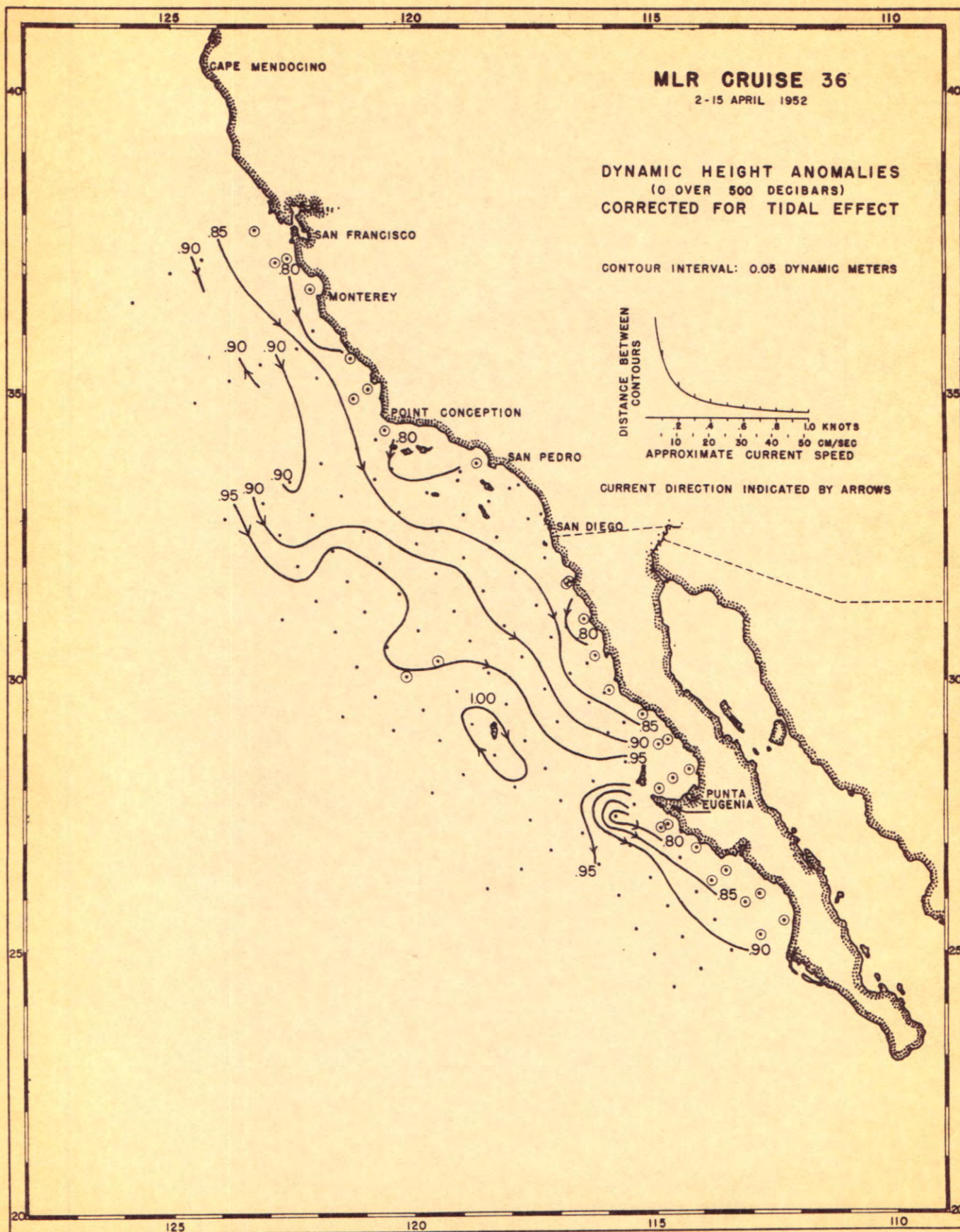
CONTENTS

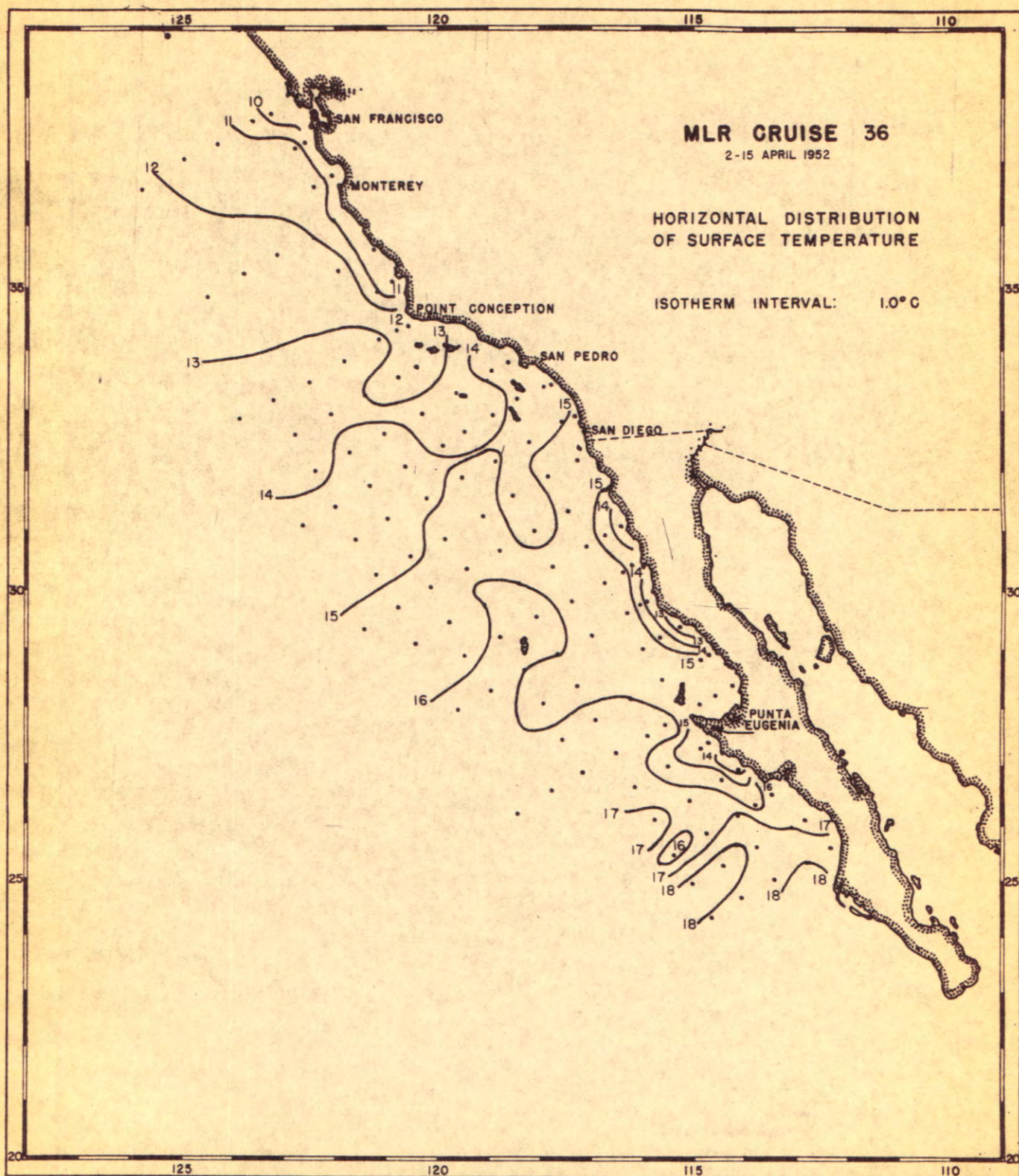
List of Figures	ii
Introduction	iii
Personnel	iv
Tabulated Data for Standard Depths	1
Tabulated Data for Observed Depths	69
Explanatory Notes	94
Distribution List	95

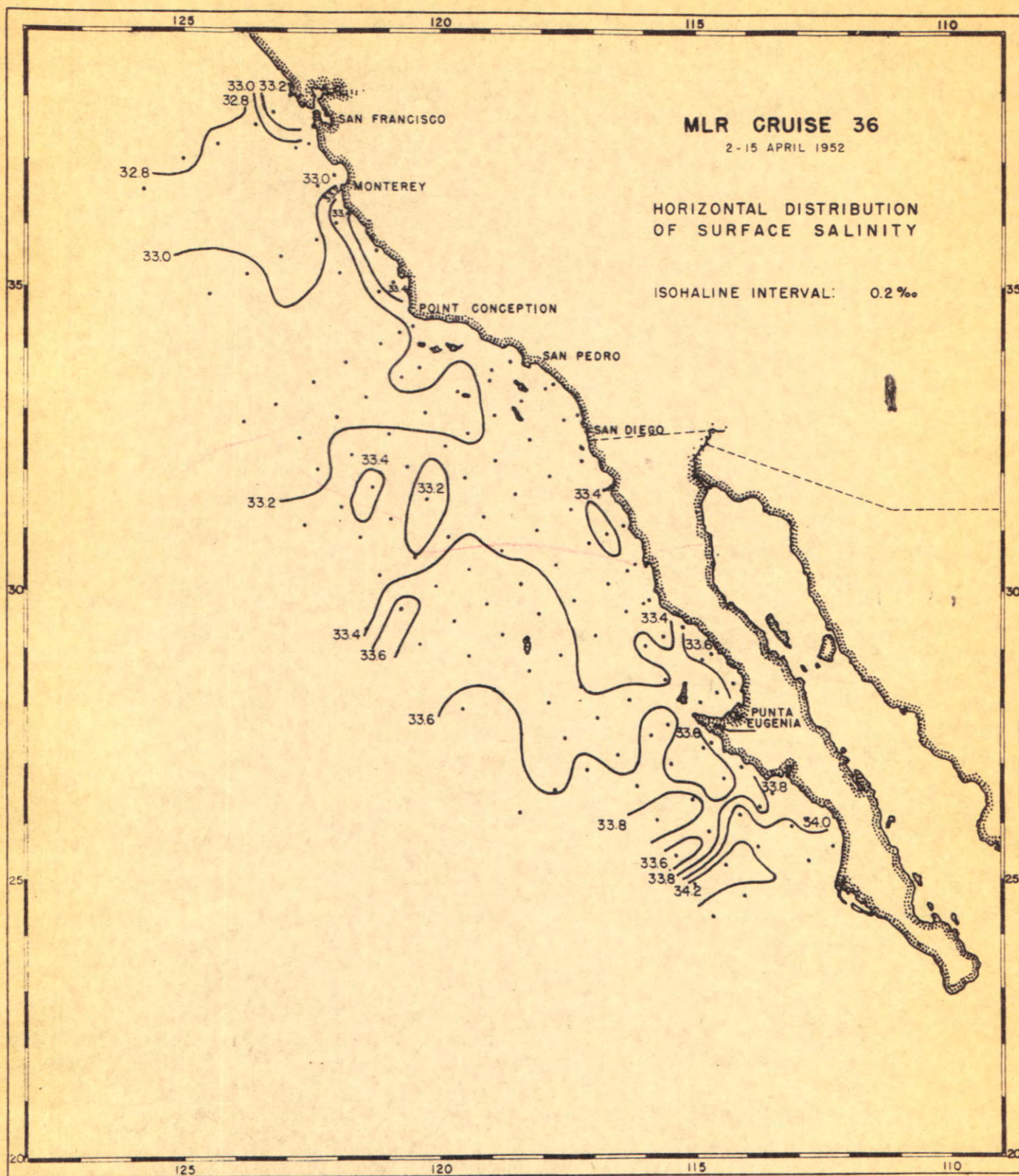
FIGURES

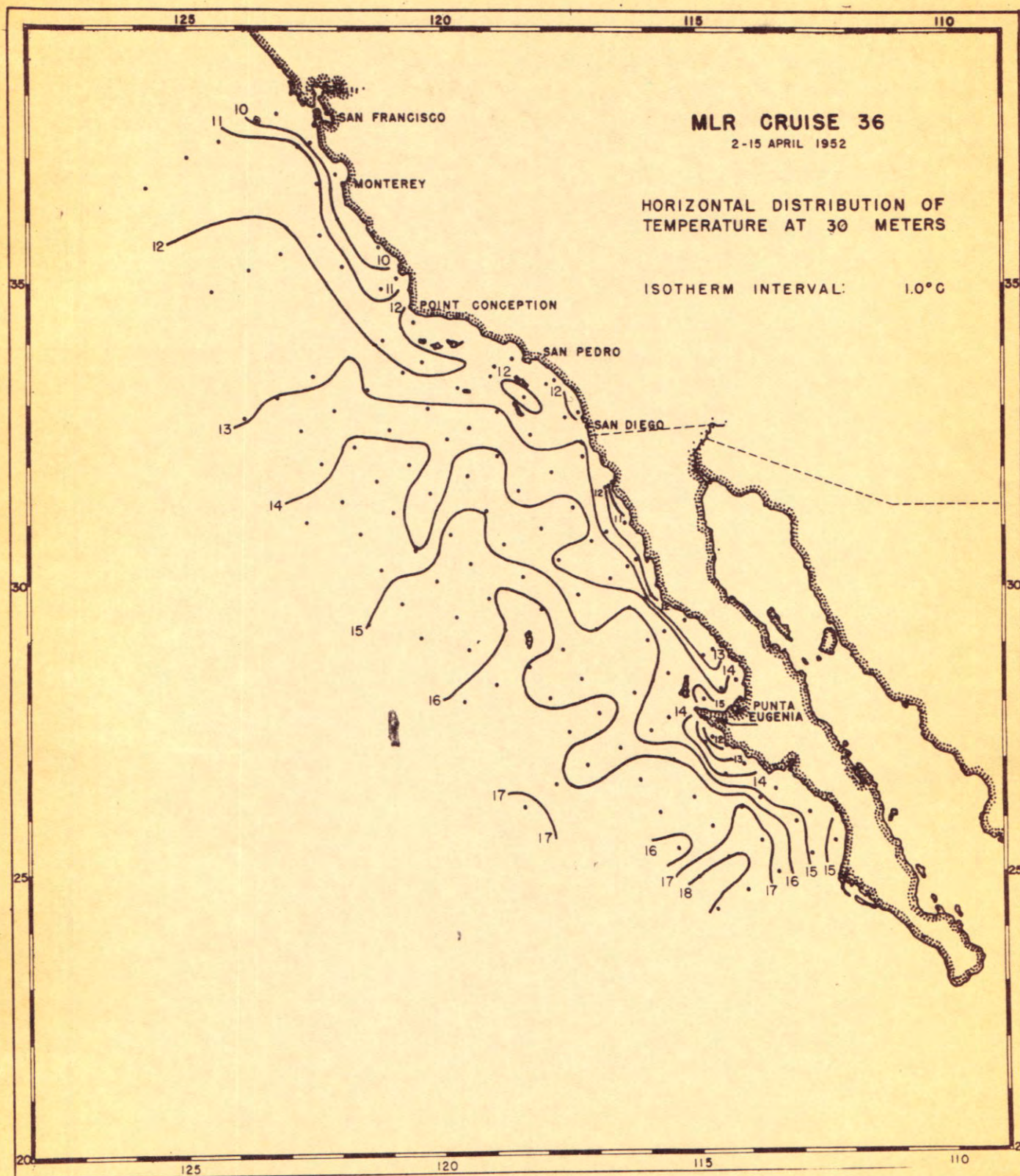
1. MLR Cruise 36. Station Positions
2. Horizontal Distribution of Dynamic Height Anomaly (0 over 500 d-bar)
Corrected For Tidal Effect
3. Horizontal Distribution of Temperature at the Surface
4. Horizontal Distribution of Salinity at the Surface
5. Horizontal Distribution of Temperature at 30 Meters
6. Horizontal Distribution of Salinity at 30 Meters
7. Horizontal Distribution of Temperature at 100 Meters
8. Horizontal Distribution of Salinity at 100 Meters

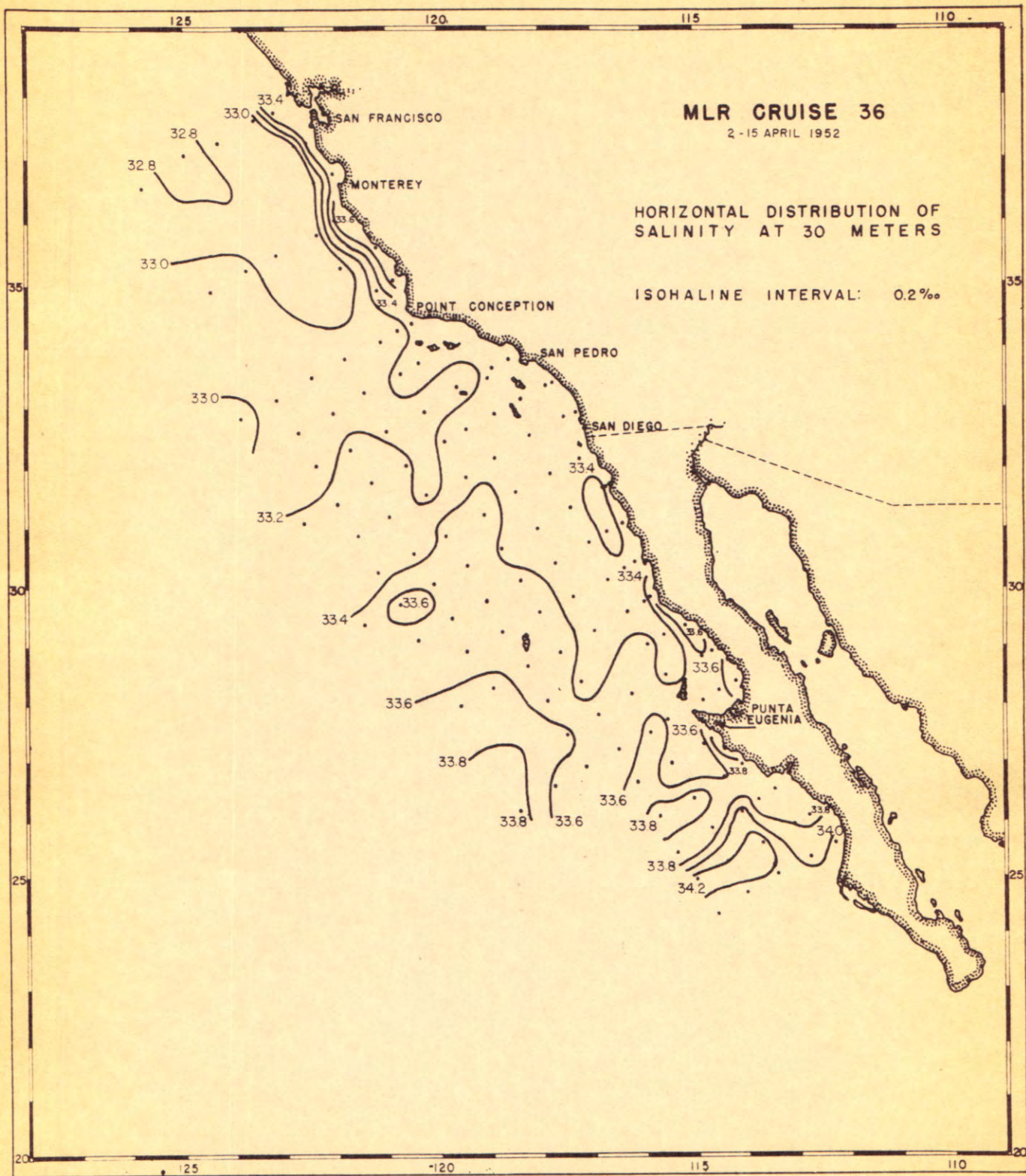


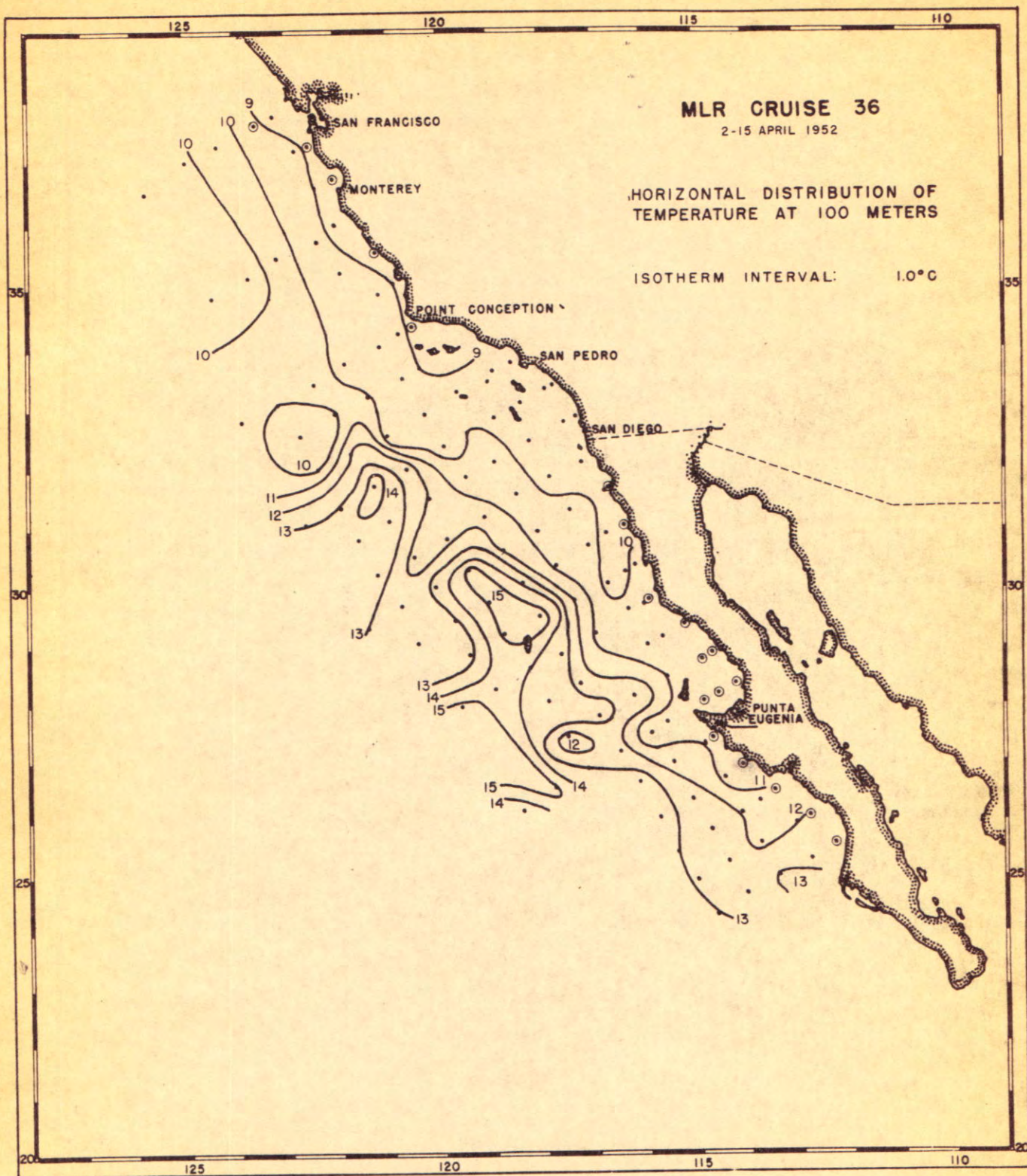


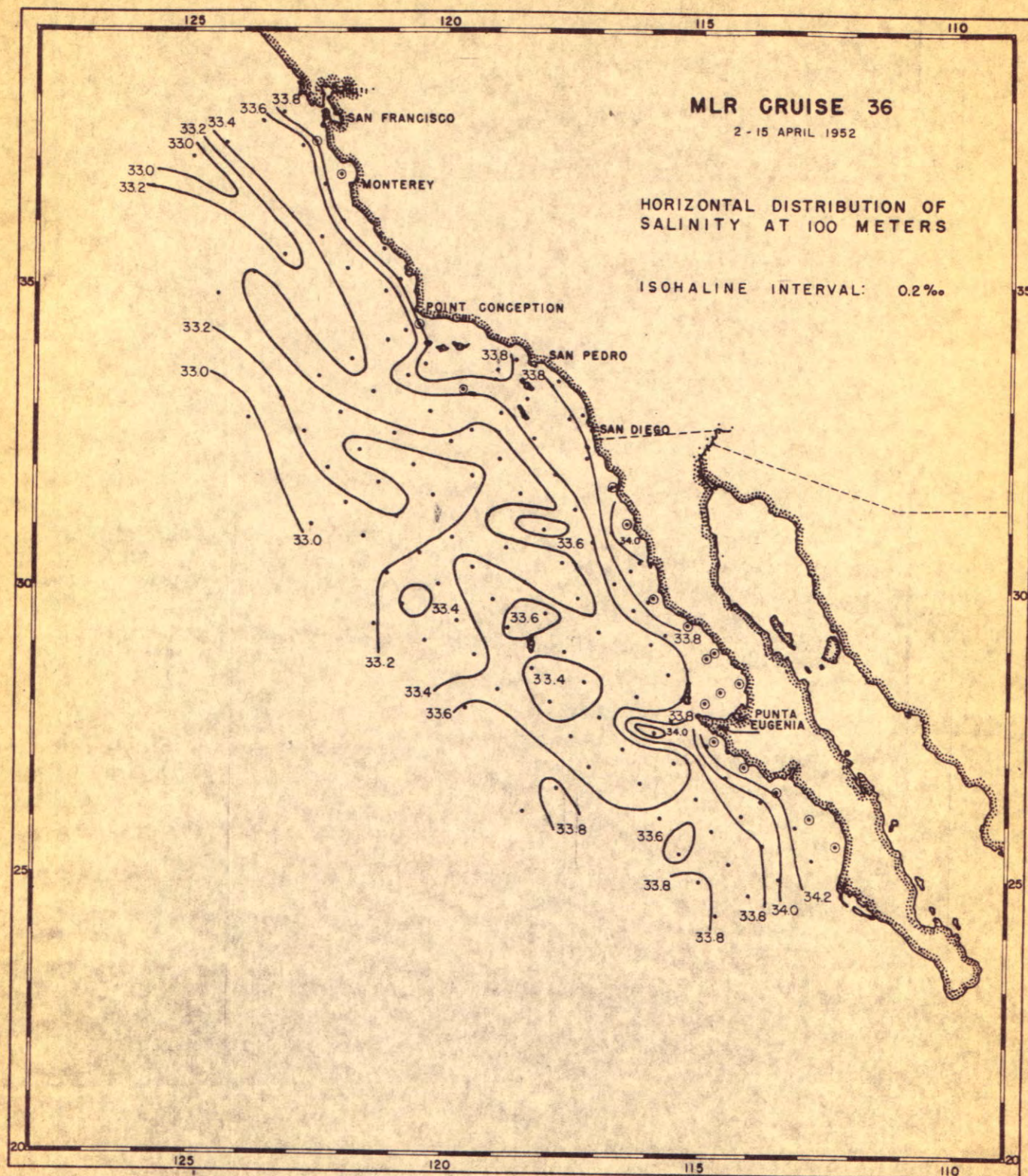












INTRODUCTION

The data presented in this report were collected on the thirty-sixth full-scale cruise conducted in the Marine Life Research Program. The three ships participating were the MV BLACK DOUGLAS, of the U. S. Fish and Wildlife Service, and the MV CREST and the MV HORIZON, 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 for that station is missing. 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 once 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 pretripping of some bottles on Stations 73.60, 77.55, 83.55, 83.70, 83.80, 87.35, 87.80, 90.53, 97.40, 103.70, 107.70 and 120.90, it was difficult to ascertain some of the 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 pretripping 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

Davis, L. E., MV CREST
Ferris, N. L., MV HORIZON
Kandie, H. V., MV BLACK DOUGLAS

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

MV BLACK DOUGLAS

Haddow, Robert W., Senior Marine Technician, Scripps Institution
Ahlstrom, E. H., Marine Biologist in charge of observations
Ball, Orville P., Marine Biologist
Counts, Robert C., Marine Biologist
Thraillkill, James R., Marine Biologist

MV CREST

Gossett, David A., Senior Marine Technician
Berkey, Max L., Jr., Marine Technician
Coolidge, Richard N., Marine Technician
Howell, Robert W., Marine Technician
Kramer, David, Marine Biologist, U. S. Fish and Wildlife Service
Rippo, Anthony E., Meteorological Aid in charge of weather
observations, U. S. Weather Bureau
DeLauney, James A., Meteorological Aid, U. S. Weather Bureau

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA (CONT'D.)

v

MV HORIZON

Reid, Joseph L., Jr., Junior Research Oceanographer
Cunningham, Leonard M., Jr., Senior Marine Technician
McClendon, Robert I., Marine Technician
Payne, Miles M., Marine Technician
Ratty, Donald K., Marine Technician
Rogers, William F., Marine Technician
Arthur, David K., Research Assistant
Chuarski, Joseph, Senior Engineering Aid
Fountain, Nance, Research Assistant
Oppenheimer, Carl H., Jr., Assistant Marine Biologist
O'Connell, Charles, Fisheries Aid, U. S. Fish and Wildlife Service

PERSONNEL PARTICIPATING IN PREPARATION OF DATA

Anderson, Charles J., Marine Technician
Barney, Ruth M., Stenographer
Barstow, Mary C., Laboratory Technician
Berkey, Max L., Jr., Marine Technician
Brown, Curthie F., Engineering Aid
Coolidge, Richard N., Marine Technician
Cunningham, Leonard M., Jr., Senior Marine Technician
Doerr, William A., Marine Technician
Gilkey, Robert W., Senior Marine Technician
Gossett, David A., Senior Marine Technician
Greenbaum, Richard H., Marine Technician
Hanson, Robert E., Senior Laboratory Technician
Hathaway, Robert P., Laboratory Technician
Haulman, Doris V., Engineering Aid
Hazelbaker, Bernard R., Engineering Aid
Howell, Robert W., Marine Technician
James, Lois L., Laboratory Technician
Kircher, Robert J., Marine Technician
Klein, Hans T., Principal Laboratory Technician
Lamplugh, Roscoe W., Marine Technician
La Rue, Doris K., Laboratory Technician
McCoy, Willis M., Engineering Aid
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., Senior Marine Technician
Profsner, Ruth O., Engineering Aid
Schwartzlose, Richard A., Laboratory Technician
Smith, Alan C., Senior Marine Technician
Whitney, Alice D., Senior Engineering Aid
Whitney, Ralph E., Jr., Marine Technician
Wilburn, Virginia A., Principal Clerk
Wilkes, Frances C., Engineering Aid
Worrall, Charles G., Senior Marine Technician
Wyllie, John G., Marine Technician
Yoshida, Kozo, Research Assistant

STATION 60.55 (Interpolated Values at Standard Depths) 1

HORIZON: 37°47.5'N 123°15'W; April 6, 1952; 1439 GCT; wire angle: 1°;
sounding: 65 fms; depth of observation: 100 m; weather: overcast;
sea: slight; wind: 180°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	9.58	33.35	25.755	224.84	0.0000	5.67
10	9.29	33.39	25.830	218.00	0.0223	5.18
20	9.16	33.46	25.910	210.80	0.0438	4.91
30	9.08	33.49	25.950	207.70	0.0648	4.75
50	8.99	33.60	26.040	198.60	0.1056	3.68
75	8.68	33.84	26.280	176.40	0.1528	2.79
100	8.36	33.87	26.350	169.90	0.1963	2.50

STATION 60.60 (Interpolated Values at Standard Depths)

HORIZON: 37°37'N 123°37'W; April 6, 1952; 1042 GCT; wire angle: 0°;
sounding: 1,850 fms; depth of observation: 1,163 m; weather: overcast;
sea: slight; wind: 180°, force 3

00	10.50	32.81	-	-	-	6.36
10	10.41	32.84	-	-	-	6.36
20	-	32.89	-	-	-	6.33
30	-	32.95	-	-	-	6.14
50	-	33.14	-	-	-	5.58
75	-	33.36	-	-	-	4.94
100	-	33.52	-	-	-	4.41
150	8.17	33.77	26.304	175.25	0.0000	3.30
200	7.96	33.97	26.492	158.23	0.0840	2.36
250	7.56	34.05	26.613	147.41	0.1610	1.94
300	6.91	34.09	26.735	136.23	0.2324	1.39
400	6.00	34.13	26.887	122.63	0.3629	0.89
500	5.26	34.14	26.985	113.82	0.4821	0.60
600	4.83	34.21	27.090	104.49	0.5922	0.41
700	4.50	34.34	27.230	91.91	0.6913	0.32
800	4.25	34.41	27.312	84.71	0.7805	0.30
1000	3.77	34.43	27.378	79.29	0.9463	0.37

STATION 60.70 (Interpolated Values at Standard Depths) 2

HORIZON: 37°19'N 124°21'W; April 6, 1952; 0527 GCT; wire angle: 0°;
sounding: 2,200 fms; depth of observation: 583 m; weather: overcast;
sea: slight; wind: 160°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	11.5	32.94	25.104	286.76	0.0000	6.40
10	11.36	32.92	25.114	286.05	0.0288	6.36
20	11.3	32.90	25.109	286.71	0.0576	6.39
30	11.2	32.90	25.127	285.21	0.0863	6.40
50	10.84	32.94	25.222	276.56	0.1428	6.31
75	10.4	32.90	25.267	272.72	0.2118	6.14
100	10.5	33.49	25.709	231.32	0.2752	3.86
150	9.60	33.71	26.032	201.44	0.3841	3.04
200	8.69	33.93	26.350	171.99	0.4781	2.47
250	8.00	34.03	26.533	155.21	0.5605	2.18
300	7.53	34.05	26.617	147.80	0.6368	1.86
400	6.21	34.15	26.876	123.88	0.7737	1.11
500	5.47	34.19	27.000	112.71	0.8930	0.65
600	(4.94)	(34.20)	(27.070)	(106.57)	(1.0036)	-

STATION 60.80 (Interpolated Values at Standard Depths)

HORIZON: 37°02'N 125°01'W; April 6, 1952; 0049 GCT; wire angle: 0°;
sounding: 2,370 fms; depth of observation: 1,140 m; weather: overcast;
sea: moderate; wind: 180°, force 1

00	11.57	32.77	24.959	300.53	0.0000	6.37
10	11.5	32.76	24.964	300.27	0.0302	6.37
20	11.5	32.77	24.972	299.75	0.0603	6.36
30	11.4	32.77	24.990	298.24	0.0903	6.36
50	11.2	32.79	25.042	293.74	0.1498	6.36
75	11.2	32.79	25.042	294.27	0.2237	6.25
100	9.9	32.86	25.320	268.08	0.2944	5.74
150	8.70	33.44	25.965	207.51	0.4141	4.54
200	7.90	33.80	26.367	169.97	0.5091	3.89
250	7.38	33.95	26.559	152.39	0.5903	2.73
300	7.10	34.03	26.662	143.27	0.6648	1.81
400	6.01	34.08	26.846	126.47	0.8007	1.13
500	5.22	34.11	26.966	115.56	0.9228	0.75
600	4.75	34.15	27.052	107.99	1.0356	0.46
700	4.42	34.15	27.088	105.06	1.1431	0.30
800	4.15	34.25	27.196	95.38	1.2443	0.30
1000	3.73	34.43	27.382	78.81	1.4204	0.43

STATION 60.90 (Interpolated Values at Standard Depths) 3

HORIZON: 36°36'N 125°47.5'W; April 5, 1952; 1912 GCT; wire angle: 0°;
 sounding: 2,400 fms; depth of observation: 590 m; weather: overcast;
 sea: moderate; wind: 200°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	12.1	32.84	24.915	304.71	0.0000	6.16
10	11.94	32.92	25.007	296.20	0.0302	6.15
20	11.8	32.88	25.002	296.89	0.0600	6.14
30	11.8	32.83	24.963	300.80	0.0900	6.14
50	11.74	32.84	24.982	299.45	0.1503	6.12
75	11.5	32.90	25.073	291.36	0.2246	6.10
100	9.7	33.20	25.618	239.77	0.2914	4.80
150	9.11	33.64	26.057	198.94	0.4018	3.19
200	8.53	33.90	26.351	171.80	0.4952	2.41
250	7.99	34.01	26.510	156.55	0.5779	2.05
300	7.44	34.07	26.646	145.04	0.6539	1.70
400	6.53	34.08	26.779	133.28	0.7942	0.99
500	5.91	34.19	26.945	118.32	0.9211	0.54
600	(5.40)	(34.25)	(27.055)	(108.56)	(1.0356)	-

STATION 63.52 (Interpolated Values at Standard Depths)

HORIZON: 37°19'N 122°36'W; April 7, 1952; 2335 GCT; wire angle: 0°;
 sounding: 45 fms; depth of observation: 50 m; weather: cloudy; sea: rough;
 wind: 230°, force 1

00	10.32	32.99	25.351	263.26	0.0000	6.04
10	9.95	33.13	25.522	247.16	0.0256	5.23
20	9.51	33.42	25.821	218.96	0.0490	3.79
30	9.1	33.58	26.012	201.00	0.0701	3.10
50	8.69	33.80	26.248	178.89	0.1083	2.45

STATION 63.55 (Interpolated Values at Standard Depths) 4

HORIZON: 37°14'N 122°49.5'W; April 7, 1952; 2130 GCT; wire angle: 0°;
sounding: 110 fms; depth of observation: 155 m; weather: cloudy;
sea: rough; wind: 310°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	11.45	32.94	25.113	285.90	0.0000	6.32
10	11.31	32.94	25.138	283.72	0.0286	6.35
20	11.21	32.95	25.166	281.29	0.0570	6.36
30	11.01	32.97	25.217	276.64	0.0850	6.31
50	9.68	33.25	25.660	234.78	0.1364	5.58
75	9.4	33.39	25.815	220.52	0.1936	5.14
100	9.39	33.56	25.949	208.26	0.2475	4.50
150	8.34	33.87	26.357	170.32	0.3428	2.27

STATION 67.50 (Interpolated Values at Standard Depths)

HORIZON: 36°49'N 122°04.5'W; April 8, 1952; 0426 GCT; wire angle: 2°;
sounding: 55 fms; depth of observation: 75 m; weather: partly cloudy;
sea: slight; wind: 310°, force 3

00	10.89	32.86	25.151	282.27	0.0000	6.25
10	10.30	33.13	25.463	252.78	0.0269	5.35
20	10.07	33.35	25.673	232.99	0.0513	4.90
30	9.86	33.42	25.763	224.66	0.0743	4.54
50	9.44	33.49	25.887	213.26	0.1183	4.43
75	9.12	33.69	26.094	193.99	0.1695	3.19

STATION 67.55 (Interpolated Values at Standard Depths) 5

HORIZON: 36°39.5'N 122°26'W; April 8, 1952; 0726 GCT; wire angle: 0°;
sounding: 1,350 fms; depth of observation: 588 m; weather: overcast;
sea: indistinguishable; 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	11.8	32.66	24.832	312.66	0.0000	6.32
10	11.58	32.70	24.903	306.08	0.0311	6.33
20	11.3	32.81	25.039	293.35	0.0612	6.29
30	11.0	33.08	25.302	268.51	0.0894	4.70
50	9.88	33.43	25.767	224.63	0.1390	3.73
75	9.2	33.67	26.066	196.70	0.1920	3.20
100	9.0	33.79	26.192	185.22	0.2400	2.88
150	8.31	33.93	26.408	165.42	0.3283	2.50
200	7.83	34.03	26.558	151.92	0.4082	2.11
250	7.29	34.05	26.651	143.64	0.4826	1.70
300	6.94	34.13	26.763	133.66	0.5525	1.26
400	6.07	34.13	26.878	123.53	0.6821	0.82
500	5.50	34.24	27.035	109.38	0.7996	0.48
600	(5.04)	(34.34)	(27.169)	(97.40)	(0.9039)	-

STATION 70.55 (Interpolated Values at Standard Depths)

HORIZON: 36°03'N 122°02'W; April 8, 1952; 1335 GCT; wire angle: 21°;
sounding: 700 fms; depth of observation: 1,070 m; weather: overcast;
sea: indistinguishable; wind: 320°, force 4

00	11.0	33.30	25.473	251.62	0.0000	6.62
10	10.8	33.28	25.493	249.95	0.0252	6.63
20	10.2	33.39	25.682	232.14	0.0494	6.43
30	10.0	33.62	25.895	212.10	0.0717	5.72
50	9.4	33.69	26.049	197.84	0.1129	4.74
75	9.1	33.72	26.121	191.47	0.1618	3.69
100	8.7	33.81	26.254	179.20	0.2084	2.70
150	8.35	33.97	26.433	163.05	0.2945	2.35
200	7.86	34.00	26.530	154.57	0.3745	2.17
250	7.55	34.11	26.661	142.83	0.4494	1.56
300	7.10	34.11	26.725	137.34	0.5200	1.25
400	6.30	34.18	26.888	122.83	0.6511	0.82
500	5.64	34.23	27.010	111.89	0.7695	0.50
600	5.00	34.29	27.134	100.63	0.8767	0.33
700	4.54	34.38	27.257	89.43	0.9726	0.30
800	4.29	34.37	27.276	88.15	1.0623	0.33
1000	3.71	34.40	27.360	80.80	1.2331	0.56

STATION 70.60 (Interpolated Values at Standard Depths) 6

HORIZON: 35°49'N 122°24'W; April 8, 1952; 1732 GCT; wire angle: 7°;
 sounding: 1,800 fms; depth of observation 584 m; weather: overcast;
 sea: rough; wind: 010°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	12.0	32.92	24.996	297.03	0.0000	6.44
10	12.0	32.90	24.980	298.74	0.0299	6.38
20	11.8	32.91	25.025	294.67	0.0597	6.38
30	11.5	32.93	25.096	288.17	0.0890	6.39
50	11.44	32.95	25.122	286.09	0.1467	6.42
75	10.4	33.21	25.508	249.83	0.2141	4.86
100	9.1	33.47	25.926	210.45	0.2720	4.70
150	8.37	33.74	26.250	180.39	0.3704	3.21
200	7.71	33.93	26.497	157.62	0.4555	2.74
250	7.04	33.90	26.568	151.35	0.5333	2.73
300	6.65	33.99	26.692	140.15	0.6067	2.03
400	5.84	34.08	26.867	124.31	0.7400	1.09
500	5.46	34.18	26.993	113.33	0.8598	0.59
600	(5.12)	(34.23)	(27.073)	(106.55)	(0.9707)	-

STATION 70.70 (Interpolated Values at Standard Depths)

HORIZON: 35°31.5'N 123°11'W; April 8, 1952; 2249 GCT; wire angle: 5°;
 sounding: 2,110 fms; depth of observation: 1,160 m; weather: overcast;
 sea: rough; wind: 310°, force 3

00	12.7	32.88	24.831	312.68	0.0000	6.10
10	12.55	32.92	24.891	307.22	0.0311	6.14
20	12.4	32.94	24.935	303.25	0.0617	6.13
30	12.3	32.93	24.947	302.39	0.0921	6.13
50	12.2	32.92	24.958	301.78	0.1528	6.19
75	11.8	32.94	25.048	293.70	0.2277	6.12
100	10.7	33.16	25.417	259.03	0.2972	5.58
150	9.19	33.40	25.857	217.93	0.4173	4.19
200	8.30	33.81	26.316	175.05	0.5163	3.21
250	7.61	33.94	26.519	156.28	0.5997	2.74
300	7.06	33.97	26.621	147.17	0.6761	2.31
400	6.27	34.09	26.821	129.10	0.8153	1.24
500	5.50	34.13	26.948	117.55	0.9397	0.75
600	5.03	34.21	27.067	106.92	1.0529	0.43
700	4.60	34.28	27.171	97.56	1.1561	0.39
800	4.26	34.38	27.287	87.05	1.2493	0.39
1000	3.77	34.44	27.386	78.55	1.4167	0.60

STATION 70.80 (Interpolated Values at Standard Depths) 7

HORIZON: 35°14'N 123°48'W; April 9, 1952; 0508 GCT; wire angle: 8°;
sounding: 2,250 fms; depth of observation: 583 m; weather: overcast;
sea: moderate; wind: 340°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	12.8	33.06	24.951	301.30	0.0000	6.16
10	12.71	33.04	24.953	301.34	0.0303	6.15
20	12.6	33.04	24.974	299.55	0.0605	6.15
30	12.5	33.04	24.994	297.95	0.0905	6.15
50	12.24	33.03	25.036	294.41	0.1500	6.14
75	11.2	33.10	25.282	271.42	0.2211	5.65
100	9.2	33.40	25.855	217.16	0.2826	4.07
150	8.44	33.79	26.279	177.72	0.3820	3.04
200	7.92	34.00	26.521	155.43	0.4659	2.49
250	7.20	33.97	26.601	148.33	0.5424	2.18
300	6.59	34.04	26.739	135.65	0.6139	1.48
400	5.94	34.14	26.902	121.12	0.7433	0.80
500	5.50	34.19	26.996	113.09	0.8614	0.47
600	(5.01)	(34.23)	(27.085)	(105.19)	(0.9715)	-

STATION 70.90 (Interpolated Values at Standard Depths)

HORIZON: 34°53.5'N 124°30'W; April 9, 1952; 1032 GCT; wire angle: 4°;
sounding: 2,350 fms; depth of observation: 1,137 m; weather: overcast;
sea: slight; wind: 200°, force 2

00	12.7	33.04	24.955	300.92	0.0000	6.04
10	12.7	33.06	24.970	299.68	0.0302	6.06
20	12.5	33.07	25.017	295.50	0.0601	6.15
30	12.2	33.09	25.090	288.80	0.0894	6.15
50	12.1	33.08	25.101	288.20	0.1474	6.04
75	10.7	33.04	25.324	267.37	0.2172	5.51
100	9.4	33.26	25.714	230.62	0.2798	4.59
150	8.60	33.73	26.207	184.54	0.3843	3.23
200	8.00	33.93	26.455	161.78	0.4715	2.44
250	7.27	33.95	26.576	150.79	0.5502	2.45
300	7.27	33.93	26.560	153.04	0.6267	2.68
400	6.39	34.07	26.789	132.17	0.7704	1.25
500	5.88	34.15	26.918	120.89	0.8980	0.64
600	5.11	34.18	27.034	110.13	1.0145	0.53
700	4.56	34.27	27.168	97.82	1.1195	0.34
800	4.21	34.35	27.269	88.68	1.2137	0.27
1000	3.74	34.47	27.413	75.97	1.3802	-

STATION 73.50 (Interpolated Values at Standard Depths)

8

HORIZON: 35°37'N 121°16.5'W; April 4, 1952; 1724 GCT; wire angle: 0°;
 sounding: 38 fms; depth of observation: 50 m; weather: clear;
 sea: slight; wind: 310°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	10.23	33.60	25.841	216.67	0.0000	5.50
10	9.67	33.64	25.966	204.96	0.0212	4.15
20	9.4	33.68	26.041	197.99	0.0414	3.54
30	9.23	33.78	26.147	188.15	0.0608	3.22
50	-	33.78	-	-	-	2.99

STATION 73.60 (Interpolated Values at Standard Depths)

HORIZON: 35°18'N 121°57.5'W; April 4, 1952; 2222, 2243, 2257 GCT;
 wire angle: 13°, 12°, 12°; sounding: 1,150 fms; depth of observation:
 25, 51, 521 m; weather: clear; sea: slight; wind: 320°, force 3

00	12.4	33.03	25.005	296.15	0.0000	6.12
10	11.3	32.99	25.179	279.85	0.0289	6.50
20	11.1	32.98	25.207	277.37	0.0569	6.31
30	11.2	32.98	25.189	279.30	0.0848	6.30
50	11.2	32.97	25.181	280.47	0.1411	6.30
75	10.4	33.05	25.384	261.65	0.2092	5.80
100	9.7	33.55	25.891	213.88	0.2690	4.17
150	8.70	33.82	26.262	179.37	0.3680	2.71
200	8.12	34.02	26.507	156.85	0.4527	2.04
250	7.52	34.06	26.627	146.12	0.5290	1.73
300	6.90	34.07	26.721	137.57	0.6005	1.27
400	6.48	34.05	26.762	134.84	0.7378	0.79
500	5.79	34.12	26.905	121.96	0.8673	0.55

STATION 77.50 (Interpolated Values at Standard Depths) 9

HORIZON: 35°04.5'N 120°52'W; April 4, 1952; 0829 GCT; wire angle: 3°;
sounding: 65 fms; depth of observation 111 m; weather: clear;
sea: rough; wind: 310°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma$	ΔD (dyn.m.)	O ₂ (ml/L)
00	10.17	33.57	25.828	217.92	0.0000	4.84
10	10.18	33.62	25.865	214.59	0.0217	4.76
20	10.17	33.57	25.828	218.34	0.0434	4.74
30	10.1	33.61	25.871	214.45	0.0651	4.65
50	9.65	33.61	25.946	207.67	0.1075	3.96
75	9.13	33.71	26.108	192.65	0.1578	2.84
100	8.92	33.83	26.235	181.05	0.2048	2.38

STATION 77.55 (Interpolated Values at Standard Depths)

HORIZON: 34°54.5'N 121°13'W; April 4, 1952; 1155 GCT; wire angle: 12°;
sounding: 305 fms; depth of observation: 437 m; weather: clear;
sea: slight; wind: 350°, force 4

00	11.0	33.28	25.458	253.10	0.0000	6.13
10	10.9	33.28	25.475	251.63	0.0253	6.13
20	11.0	33.28	25.458	253.53	0.0507	6.13
30	10.8	33.28	25.493	250.37	0.0760	6.08
50	10.7	33.28	25.510	249.13	0.1262	5.90
75	10.2	33.31	25.620	239.17	0.1876	5.34
100	9.4	33.43	25.846	218.03	0.2451	4.22
150	8.51	33.89	26.346	171.35	0.3431	2.73
200	8.00	33.98	26.494	158.07	0.4260	2.16
250	7.51	34.02	26.597	148.94	0.5033	1.53
300	7.04	34.05	26.686	140.97	0.5763	1.03
400	6.27	34.13	26.852	126.14	0.7109	0.65

STATION 80.51 (Interpolated Values at Standard Depths) 10

HORIZON: 34°26.5'N 120°32.5'W; April 11, 1952; 0555 GCT; wire angle: 3°;
sounding: 48 fms; depth of observation: 75 m; weather: partly cloudy;
sea: moderate; wind: 310°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O_2 (ml/L) +
00	12.46	33.33	25.226	275.16	0.0000	6.14
10	12.5	33.30	25.195	278.35	0.0278	6.15
20	12.51	33.33	25.216	276.57	0.0557	6.15
30	12.28	33.30	25.237	274.79	0.0834	6.23
50	12.5	33.44	25.303	269.01	0.1381	4.65
75	9.7	33.62	25.945	208.21	0.1981	3.45

STATION 80.55 (Interpolated Values at Standard Depths)

HORIZON: 34°19.5'N 120°47.5'W; April 11, 1952; 0323 GCT; wire angle: 18°;
sounding: 405 fms; depth of observation: 561 m; weather: partly cloudy;
sea: slight; wind: 320°, force 4

00	12.8	33.12	24.997	296.89	0.0000	6.25
10	12.8	33.10	24.982	298.60	0.0299	6.30
20	12.2	33.13	25.121	285.62	0.0592	6.23
30	12.0	33.16	25.182	280.04	0.0876	6.19
50	11.8	33.17	25.227	276.20	0.1435	5.92
75	9.5	33.35	25.768	225.04	0.2065	4.29
100	9.1	33.51	25.957	207.48	0.2609	3.88
150	8.33	33.85	26.342	171.66	0.3563	2.99
200	7.71	33.97	26.528	154.66	0.4385	2.62
250	7.18	34.01	26.635	145.09	0.5140	2.24
300	6.70	34.05	26.732	136.36	0.5849	1.71
400	5.96	34.12	26.884	122.87	0.7156	0.82
500	5.61	34.24	27.022	110.76	0.8334	0.44

STATION 80.60 (Interpolated Values at Standard Depths) 11

HORIZON: 34°08'N 121°09.5'W; April 10, 1952; 2354 GCT; wire angle: 12°;
 sounding: 1,250 fms; depth of observation: 1,157 m; weather: cloudy;
 sea: slight; wind: 300°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10^5	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.1	33.08	24.907	305.45	0.0000	6.14
10	12.89	33.06	24.933	303.23	0.0306	6.17
20	12.1	33.08	25.101	287.51	0.0603	6.16
30	11.8	33.13	25.196	278.69	0.0887	6.12
50	11.2	33.12	25.298	269.40	0.1438	5.66
75	9.6	33.31	25.720	229.56	0.2065	4.32
100	9.2	33.51	25.941	209.02	0.2617	3.68
150	8.56	33.69	26.182	186.91	0.3614	3.32
200	7.98	33.99	26.505	157.04	0.4480	2.31
250	7.58	34.05	26.610	147.70	0.5247	2.16
300	7.16	34.13	26.732	136.68	0.5963	1.38
400	5.98	34.09	26.858	125.36	0.7284	0.95
500	5.39	34.19	27.009	111.71	0.8480	0.46
600	4.87	34.28	27.141	99.78	0.9547	0.32
700	4.50	34.40	27.277	87.46	1.0492	0.28
800	4.24	34.43	27.329	83.10	1.1353	0.29
1000	3.82	34.43	27.373	79.88	1.3001	0.60

STATION 80.70 (Interpolated Values at Standard Depths)

HORIZON: 33°51'N 121°50.5'W; April 10, 1952; 1817 GCT; wire angle: 2°;
 sounding: 2,000 fms; depth of observation: 583 m; weather: rain showers;
 sea: slight; wind: 360°, force 3

00	13.4	33.01	24.793	316.30	0.0000	6.00
10	13.29	33.01	24.815	314.45	0.0317	6.02
20	13.2	33.01	24.833	312.98	0.0632	6.04
30	13.0	33.01	24.873	309.45	0.0944	6.04
50	12.75	33.04	24.945	303.04	0.1560	5.97
75	11.7	33.12	25.206	278.67	0.2291	5.45
100	9.8	33.26	25.648	236.91	0.2940	4.43
150	8.79	33.80	26.232	182.22	0.3995	3.10
200	8.44	33.99	26.435	163.79	0.4866	2.39
250	7.71	34.05	26.591	149.55	0.5655	2.00
300	7.12	34.05	26.675	142.06	0.6390	1.60
400	6.40	34.16	26.859	125.63	0.7739	0.82
500	5.86	34.21	26.967	116.18	0.8958	0.51
600	(5.37)	(34.26)	(27.067)	(107.44)	(1.0086)	-

STATION 80.80 (Interpolated Values at Standard Depths) 12

HORIZON: 33°30'N 122°31'W; April 10, 1952; 1210 GCT; wire angle: 9°;
sounding: 2,400 fms; depth of observation: 1,158 m; weather: light drizzle;
sea: rough; wind: 360°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.6	33.01	24.753	320.15	0.0000	6.06
10	13.34	33.06	24.844	311.73	0.0317	6.14
20	13.1	33.04	24.876	308.89	0.0629	6.19
30	12.8	33.03	24.928	304.23	0.0937	6.20
50	12.6	33.04	24.974	300.27	0.1545	6.04
75	11.4	33.27	25.378	262.36	0.2252	4.77
100	10.2	33.49	25.760	226.37	0.2867	3.92
150	9.44	33.82	26.144	190.78	0.3917	2.86
200	8.86	33.97	26.354	171.62	0.4830	2.36
250	8.30	34.09	26.535	155.19	0.5653	1.88
300	7.80	34.13	26.641	145.74	0.6411	1.43
400	6.86	34.15	26.789	132.58	0.7814	0.90
500	6.10	34.23	26.953	117.83	0.9077	0.59
600	5.57	34.31	27.082	106.28	1.0208	0.39
700	5.01	34.37	27.196	95.91	1.1229	0.37
800	4.59	34.41	27.275	88.81	1.2162	0.39
1000	4.01	34.44	27.361	81.42	1.3883	0.59

STATION 80.90 (Interpolated Values at Standard Depths)

HORIZON: 33°08'N 123°12.5'W; April 10, 1952; 0642 GCT; wire angle: 15°;
sounding: 2,350 fms; depth of observation: 573 m; weather: moderate
drizzle; sea: rough; wind: 050°, force 4

00	13.4	33.01	24.793	316.30	0.0000	6.14
10	13.36	33.08	24.855	310.64	0.0315	6.26
20	13.2	33.13	24.926	304.17	0.0624	6.26
30	13.1	33.17	24.977	299.59	0.0927	6.25
50	12.8	33.21	25.067	291.49	0.1521	6.10
75	12.5	33.22	25.133	285.78	0.2247	5.96
100	10.0	33.19	25.560	245.29	0.2915	4.54
150	9.09	33.75	26.146	190.50	0.4012	3.12
200	8.17	33.97	26.461	161.29	0.4898	2.69
250	7.50	34.01	26.590	149.54	0.5681	2.21
300	7.13	34.09	26.705	139.23	0.6408	1.49
400	6.42	34.17	26.864	125.15	0.7740	0.77
500	5.58	34.19	26.986	114.10	0.8947	0.60

STATION 80.100 (Interpolated Values at Standard Depths) 13

HORIZON: 32°50.5'N 123°54'W; April 9, 1952; 0019 GCT; wire angle: 10°;
sounding: 2,500 fms; depth of observation: 1,222 m; weather: moderate
drizzle; sea: indistinguishable; wind: 120°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)+
00	13.3	33.01	24.813	314.39	0.0000	6.07
10	13.2	33.04	24.857	310.54	0.0314	6.06
20	13.2	32.97	24.803	315.92	0.0628	6.05
30	12.8	32.97	24.881	308.65	0.0942	6.06
50	12.7	33.09	24.994	298.45	0.1552	6.08
75	12.5	33.04	24.994	299.01	0.2303	5.95
100	10.4	32.97	25.321	268.06	0.3016	5.40
150	8.90	33.42	25.918	212.01	0.4224	3.71
200	8.30	33.88	26.370	169.86	0.5186	3.03
250	8.05	33.60	26.189	187.78	0.6087	3.55
300	7.71	33.60	26.238	183.69	0.7023	3.54
400	6.61	34.03	26.729	138.07	0.8645	1.84
500	6.15	34.09	26.836	128.87	0.9991	0.92
600	5.36	34.22	27.036	110.28	1.1198	0.39
700	4.75	34.32	27.186	96.42	1.2241	0.30
800	4.31	34.35	27.258	89.87	1.3182	0.29
1000	3.70	34.42	27.377	79.21	1.4892	0.52

STATION 83.55 (Interpolated Values at Standard Depths)

HORIZON: 33°44'N 120°24'W; April 11, 1952; 1110 GCT; wire angle: 18°;
sounding: 500 fms; depth of observation: 561 m; weather: partly cloudy;
sea: rough; wind: 310°, force 5

00	12.3	33.24	25.187	278.86	0.0000	6.35
10	12.2	33.24	25.206	277.29	0.0279	6.26
20	12.0	33.26	25.259	272.46	0.0555	6.19
30	11.6	33.32	25.380	261.17	0.0823	6.01
50	9.9	33.47	25.795	221.99	0.1309	4.50
75	9.1	33.68	26.090	194.43	0.1832	3.28
100	9.0	33.83	26.223	182.25	0.2306	2.92
150	8.52	34.04	26.462	160.38	0.3168	2.05
200	8.02	34.11	26.593	148.73	0.3946	1.51
250	7.56	34.14	26.684	140.75	0.4675	1.23
300	7.13	34.17	26.768	133.30	0.5365	1.03
400	6.48	34.19	26.872	124.47	0.6664	0.79
500	5.87	34.23	26.982	114.83	0.7871	0.52

STATION 83.60 (Interpolated Values at Standard Depths) 14

HORIZON: 33°33.5'N 120°44.5'W; April 11, 1952; 1426, 1449 GCT;
wire angle: 28°, 35°; sounding: 700 fms; depth of observation: 170, 548 m;
weather: overcast; sea: very rough; wind: 320°, force 5-6

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	12.7	33.26	25.125	284.74	0.0000	6.23
10	12.6	33.31	25.183	279.45	0.0283	6.22
20	12.4	33.37	25.268	271.60	0.0560	6.07
30	12.1	33.35	25.310	267.87	0.0831	5.90
50	11.6	33.30	25.364	263.10	0.1365	5.46
75	9.9	33.52	25.834	218.79	0.1971	4.19
100	9.6	33.77	26.079	196.02	0.2493	3.16
150	8.88	33.97	26.351	171.00	0.3417	2.24
200	8.13	34.00	26.490	158.48	0.4247	2.20
250	7.46	33.99	26.580	150.46	0.5025	2.25
300	6.98	33.98	26.639	145.33	0.5770	1.82
400	6.59	34.11	26.794	131.88	0.7167	0.88
500	6.13	34.23	26.949	118.22	0.8428	0.52

STATION 83.70 (Interpolated Values at Standard Depths)

HORIZON: 33°16'N 121°27.5'W; April 11, 1952; 2052 GCT; wire angle: 22°;
sounding: 1,900 fms; depth of observation: 594 m; weather: overcast;
sea: very rough; wind: 310°, force 6

00	13.0	33.13	24.966	299.89	0.0000	6.16
10	13.0	33.13	24.966	300.14	0.0301	6.18
20	13.0	33.11	24.950	301.86	0.0603	6.16
30	12.9	33.10	24.962	300.96	0.0906	6.12
50	12.1	33.11	25.124	285.98	0.1496	6.00
75	11.5	33.25	25.344	265.58	0.2189	5.80
100	10.1	33.44	25.738	228.44	0.2810	4.79
150	8.84	33.81	26.232	182.23	0.3844	2.82
200	8.37	34.02	26.469	160.53	0.4707	2.09
250	7.98	34.07	26.567	151.96	0.5494	1.71
300	7.49	34.10	26.662	143.52	0.6238	1.39
400	6.68	34.18	26.837	127.90	0.7606	0.84
500	6.02	34.24	26.971	116.03	0.8836	0.46
600	(5.35)	(34.25)	(27.061)	(107.93)	(0.9966)	-

STATION 83.80 (Interpolated Values at Standard Depths) 15

HORIZON: 32°55'N 122°06'W; April 12, 1952; 0230 GCT; wire angle: 20°;
sounding: 2,000 fms; depth of observation: 504 m; weather: overcast;
sea: very rough; wind: 310°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.4	33.06	24.832	312.63	0.0000	6.00
10	13.5	33.04	24.796	316.27	0.0316	6.04
20	13.4	33.05	24.824	313.86	0.0632	6.00
30	13.4	33.08	24.847	311.92	0.0946	6.00
50	13.3	33.12	24.898	307.56	0.1569	5.18
75	11.5	33.08	25.212	278.11	0.2305	5.26
100	9.95	33.37	25.709	231.18	0.2946	4.11
150	8.54	33.79	26.263	179.20	0.3979	3.40
200	8.04	33.96	26.472	160.13	0.4833	2.36
250	7.58	34.00	26.571	151.40	0.5617	1.84
300	7.11	34.03	26.661	143.41	0.6360	1.46
400	6.24	34.11	26.840	127.24	0.7724	0.92
500	5.53	34.21	27.008	111.98	0.8930	0.66

STATION 83.90 (Interpolated Values at Standard Depths)

HORIZON: 32°36.5'N ^{122°}121°47'W; April 12, 1952; 1055 GCT; wire angle: 8°;
sounding: 2,200 fms; depth of observation: 632 m; weather: overcast;
sea: rough; wind: 310°, force 2

00	13.6	33.06	24.792	316.47	0.0000	6.03
10	13.58	33.08	24.811	314.88	0.0317	6.10
20	13.6	33.06	24.792	316.99	0.0634	6.03
30	13.6	33.04	24.776	318.70	0.0953	5.90
50	13.3	33.19	24.952	302.43	0.1577	5.71
75	12.0	33.15	25.174	281.82	0.2311	5.37
100	9.8	33.24	25.633	238.39	0.2965	4.05
150	8.54	33.79	26.263	179.20	0.4016	2.80
200	8.09	34.00	26.496	157.89	0.4865	2.18
250	7.51	34.03	26.604	148.19	0.5636	1.74
300	6.90	34.06	26.713	138.32	0.6358	1.34
400	6.35	34.17	26.873	124.23	0.7681	0.61
500	5.64	34.21	26.995	113.37	0.8879	0.45
600	5.21	34.27	27.094	104.69	0.9979	0.32

STATION 87.35 (Interpolated Values at Standard Depths) 16

HORIZON: 33°50'N 118°37.5'W; April 13, 1952; 2253 GCT; wire angle: 10°;
sounding: 325 fms; depth of observation: 248 m; weather: cloudy;
sea: slight; 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	14.57	33.30	24.775	318.07	0.0000	6.16
10	14.51	33.30	24.787	317.14	0.0319	6.16
20	13.5	33.30	24.997	297.44	0.0628	6.49
30	12.8	33.31	25.144	283.66	0.0920	6.53
50	11.5	33.37	25.437	256.17	0.1463	4.98
75	10.0	33.53	25.825	219.67	0.2061	3.85
100	9.7	33.75	26.047	199.10	0.2588	3.19
150	8.98	33.75	26.164	188.81	0.3564	2.81
200	8.64	(34.13)	(26.514)	(156.44)	(0.4433)	(1.80)
250	(8.29)	(34.17)	(26.599)	(149.13)	(0.5202)	(1.52)

STATION 87.40 (Interpolated Values at Standard Depths)

HORIZON: 33°40.5'N 118°59'W; April 13, 1952; 1930, 2004 GCT;
wire angle: 15°, 18°; sounding: 480 fms; depth of observation: 373, 567 m;
weather: overcast; sea: moderate; wind: 280°, force 4

00	14.3	33.30	24.832	312.63	0.0000	5.96
10	14.3	33.26	24.801	315.84	0.0315	6.23
20	13.5	33.28	24.981	298.91	0.0624	6.36
30	12.3	33.37	25.287	270.02	0.0910	6.25
50	10.6	33.50	25.699	231.21	0.1414	4.35
75	9.9	33.65	25.936	209.18	0.1968	3.55
100	9.3	33.91	26.237	180.95	0.2459	2.72
150	8.82	34.10	26.462	160.46	0.3318	2.02
200	8.44	34.15	26.560	151.95	0.4105	1.56
250	7.97	34.17	26.647	144.42	0.4851	1.26
300	7.62	34.18	26.706	139.46	0.5566	1.00
400	6.93	34.21	26.827	129.09	0.6919	0.56
500	6.19	34.27	26.973	116.06	0.8155	0.38

STATION 87.50 (Interpolated Values at Standard Depths) 17

HORIZON: 33°20.5'N 119°39.5'W; April 13, 1952; 1525 GCT; wire angle: 1°;
 sounding: 40 fms; depth of observation: 50 m; weather: overcast;
 sea: moderate; wind: 260°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.21	33.17	24.955	300.92	0.0000	6.09
10	13.2	33.19	24.972	299.51	0.0301	6.01
20	13.13	33.19	24.986	298.43	0.0601	6.08
30	12.72	33.17	25.052	292.45	0.0898	6.10
50	-	33.22	-	-	-	5.37

STATION 87.60 (Interpolated Values at Standard Depths)

HORIZON: 32°55'N 120°17.5'W; April 13, 1952; 0913 GCT; wire angle: 3°;
 sounding: 363 fms; depth of observation: 585 m; weather: overcast;
 sea: slight; wind: 320°, force 3

00	13.6	33.12	24.838	312.07	0.0000	5.95
10	13.59	33.06	24.794	316.54	0.0316	5.95
20	13.5	33.13	24.866	309.92	0.0630	6.05
30	13.2	33.19	24.972	300.02	0.0936	6.06
50	12.3	33.21	25.163	282.25	0.1521	5.72
75	9.9	33.44	25.772	224.70	0.2158	4.06
100	9.1	33.50	25.949	208.23	0.2703	3.88
150	8.51	33.87	26.331	172.82	0.3662	2.76
200	8.09	34.05	26.535	154.18	0.4485	2.22
250	7.40	34.04	26.628	145.91	0.5241	2.06
300	7.00	34.05	26.692	140.43	0.5962	1.39
400	6.18	34.17	26.895	122.00	0.7285	0.76
500	5.66	34.24	27.016	111.40	0.8462	0.43
600	(5.26)	(34.30)	(27.112)	(103.09)	(0.9544)	-

STATION 87.70 (Interpolated Values at Standard Depths) 18

HORIZON: 32°37'N 121°02'W; April 13, 1952; 0355 GCT; wire angle: 5°;
sounding: 2,000 fms; depth of observation: 583 m; weather: overcast;
sea: moderate; wind: 290°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.3	33.21	24.763	319.23	0.0000	5.78
10	14.33	33.17	24.725	323.04	0.0322	5.77
20	14.2	33.15	24.737	322.18	0.0646	5.81
30	13.8	33.14	24.812	315.27	0.0966	5.88
50	13.0	33.08	24.927	304.81	0.1589	5.91
75	11.4	33.10	25.246	274.88	0.2313	5.48
100	9.7	33.24	25.649	236.80	0.2962	4.82
150	8.88	33.66	26.109	193.94	0.4046	3.52
200	8.24	33.91	26.403	166.75	0.4954	3.13
250	7.65	33.97	26.537	154.63	0.5763	2.81
300	7.08	34.01	26.649	144.48	0.6516	2.09
400	6.33	34.12	26.836	127.68	0.7888	0.97
500	5.56	34.17	26.973	115.33	0.9113	0.59
600	(5.20)	(34.28)	(27.103)	(103.84)	(1.0219)	-

STATION 87.80 (Interpolated Values at Standard Depths)

HORIZON: 32°19.5'N 121°43.5'W; April 12, 1952; 2039 GCT; wire angle: 12°;
sounding: 2,250 fms; depth of observation: 481 m; weather: overcast;
sea: moderate; wind: 270°, force 3

00	14.8	33.31	24.733	322.02	0.0000	5.73
10	14.76	33.31	24.742	321.49	0.0323	5.70
20	14.8	33.31	24.733	322.58	0.0646	5.73
30	14.8	33.31	24.733	322.85	0.0970	5.68
50	14.3	33.22	24.770	319.84	0.1616	5.50
75	13.0	33.04	24.896	308.34	0.2406	5.95
100	12.0	33.17	25.189	280.93	0.3147	5.55
150	9.31	33.39	25.830	220.53	0.4409	4.30
200	8.56	33.83	26.292	177.43	0.5411	3.53
250	7.83	33.99	26.527	155.72	0.6250	2.86
300	7.07	34.04	26.674	142.12	0.7000	2.23
400	6.36	34.10	26.817	129.55	0.8369	1.25
500	(5.83)	(34.16)	(26.932)	(119.50)	(0.9625)	-

STATION 87.90 (Interpolated Values at Standard Depths) 19

HORIZON: 32°02'N 122°23.5'W; April 12, 1952; 1624 GCT; wire angle: 7°;
sounding: 2,050 fms; depth of observation: 530 m; weather: overcast;
sea: rough; wind: 270°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.6	33.04	24.776	317.94	0.0000	5.93
10	13.52	33.08	24.823	313.72	0.0317	5.92
20	13.5	33.05	24.804	315.79	0.0633	5.97
30	13.5	33.05	24.804	316.05	0.0950	6.01
50	13.1	33.12	24.938	303.76	0.1573	6.04
75	12.5	33.12	25.055	293.14	0.2323	5.94
100	10.0	33.23	25.592	242.34	0.2997	4.86
150	8.95	33.70	26.129	192.05	0.4090	3.44
200	8.28	33.94	26.420	165.13	0.4989	2.91
250	7.82	34.08	26.599	148.91	0.5780	2.16
300	7.29	34.11	26.698	139.98	0.6508	1.58
400	6.29	34.16	26.873	124.17	0.7839	0.85
500	5.64	34.21	26.995	113.37	0.9037	0.58

STATION 90.28 (Interpolated Values at Standard Depths)

CREST: 33°28'N 117°47.5'W; April 2, 1952; 0523 GCT; wire angle: 3°;
sounding: 315 fms; depth of observation: 486 m; weather: light fog;
sea: moderate; wind: 330°, force 2

00	14.4	33.31	24.818	313.91	0.0000	6.15
10	14.2	33.30	24.853	310.92	0.0314	6.29
20	13.0	33.30	25.097	287.90	0.0615	6.27
30	12.5	33.30	25.195	278.83	0.0899	6.20
50	11.0	33.40	25.551	245.33	0.1426	4.20
75	9.7	33.62	25.945	208.21	0.1996	3.36
100	9.3	33.84	26.183	186.14	0.2492	2.82
150	9.03	34.03	26.374	168.85	0.3386	2.26
200	8.78	34.18	26.531	154.87	0.4201	1.53
250	8.39	34.18	26.592	149.88	0.4968	1.30
300	8.09	34.25	26.692	141.12	0.5701	1.00
400	7.07	34.27	26.855	126.60	0.7050	0.67
500	(6.37)	(34.27)	(26.949)	(118.46)	(0.8286)	(0.44)

STATION 90.30 (Interpolated Values at Standard Depths) 20

CREST: 33°24.5'N 117°55'W; April 2, 1952; 0740 GCT; wire angle: 0°;
sounding: 300 fms; depth of observation: 483 m; weather: light fog;
sea: slight; wind: 250°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0 0	14.1	33.22	24.812	314.52	0.0000	6.24
1 0	13.74	33.31	24.956	301.10	0.0309	6.41
2 0	(13.1)	33.24	(25.031)	(294.19)	(0.0608)	6.45
3 0	(12.6)	33.25	(25.137)	(284.35)	(0.0898)	6.00
5 0	(11.0)	33.37	(25.527)	(247.54)	(0.1433)	4.24
7 5	9.9	33.54	25.850	217.31	0.2017	3.74
1 0 0	(9.5)	33.80	(26.119)	(192.23)	(0.2532)	3.22
1 5 0	8.80	34.00	26.387	167.56	0.3438	2.62
2 0 0	8.41	34.10	26.526	155.20	0.4251	1.91
2 5 0	8.17	34.20	26.641	145.12	0.5007	1.84
3 0 0	8.13	34.23	26.670	143.19	0.5733	1.82
4 0 0	6.78	34.26	26.887	123.33	0.7076	0.58
5 0 0	(6.27)	(34.31)	(26.994)	(114.16)	(0.8274)	(0.42)

STATION 90.37 (Interpolated Values at Standard Depths)

CREST: 33°10.5'N 118°23.5'W; April 2, 1952; 1135 GCT; wire angle: 1°;
sounding: 650 fms; depth of observation: 979 m; weather: light fog;
sea: slight; wind: 280°, force 2

0 0	14.6	33.30	24.768	318.68	0.0000	5.98
1 0	13.7	33.26	24.925	304.00	0.0313	6.18
2 0	12.6	33.27	25.152	282.64	0.0607	6.43
3 0	11.8	33.29	25.320	266.91	0.0883	6.43
5 0	12.0	33.31	25.298	269.47	0.1422	4.86
7 5	9.0	33.51	25.973	205.50	0.2019	3.77
1 0 0	8.5	33.77	26.254	179.20	0.2503	3.20
1 5 0	8.98	33.95	26.320	174.01	0.3392	2.62
2 0 0	8.37	34.13	26.556	152.39	0.4214	1.69
2 5 0	7.83	34.14	26.644	144.61	0.4962	1.30
3 0 0	7.35	34.17	26.737	136.37	0.5670	0.96
4 0 0	6.63	34.27	26.915	120.56	0.6965	0.55
5 0 0	5.98	34.27	27.000	113.30	0.8144	0.31
6 0 0	5.57	34.39	27.145	100.36	0.9222	0.25
7 0 0	5.23	34.42	27.210	94.99	1.0208	0.26
8 0 0	4.63	34.40	27.263	90.04	1.1143	0.36
1 0 0 0	(4.14)	(34.47)	(27.372)	(80.78)	(1.2870)	(0.36)

STATION 90.45 (Interpolated Values at Standard Depths) 21

CREST: 32°54.5'N 118°56'W; April 2, 1952; 1516 GCT; wire angle: 7°;
 sounding: 900 fms; depth of observation: 588 m; weather: light fog;
 sea: rough; wind: 310°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.4	33.28	25.002	296.47	0.0000	5.06
10	13.26	33.24	24.999	296.98	0.0298	5.77
20	13.1	33.26	25.046	292.73	0.0594	5.86
30	13.1	33.26	25.046	292.98	0.0888	5.99
50	12.0	33.26	25.259	273.15	0.1457	6.33
75	10.7	33.37	25.580	243.00	0.2106	4.54
100	9.5	33.56	25.932	209.98	0.2676	3.89
150	8.68	33.87	26.304	175.38	0.3646	3.02
200	8.42	34.11	26.532	154.62	0.4477	1.94
250	7.98	34.22	26.685	140.85	0.5221	1.38
300	7.62	34.23	26.746	135.75	0.5918	1.00
400	6.81	34.31	26.922	120.04	0.7207	0.58
500	6.08	34.36	27.058	107.93	0.8357	0.33
600	(5.50)	(34.36)	(27.130)	(101.68)	(0.9414)	-

STATION 90.53 (Interpolated Values at Standard Depths)

CREST: 32°39'N 119°28.5'W; April 2, 1952; 1951 GCT; wire angle: 23°;
 sounding: 700 fms; depth of observation: 702 m; weather: cloudy;
 sea: rough; wind: 320°, force 5

00	13.6	33.12	24.838	312.07	0.0000	5.91
10	13.6	33.18	24.884	307.93	0.0311	5.79
20	13.6	33.24	24.930	303.77	0.0618	5.86
30	13.6	33.24	24.930	304.04	0.0923	5.86
50	13.4	33.24	24.971	300.68	0.1531	5.83
75	11.5	33.22	25.321	267.79	0.2246	5.24
100	10.0	33.37	25.701	231.99	0.2875	4.35
150	8.82	33.92	26.322	173.79	0.3896	3.18
200	8.31	34.09	26.533	154.46	0.4723	2.33
250	7.83	34.12	26.629	146.08	0.5480	2.07
300	7.19	34.09	26.697	140.07	0.6201	1.77
400	6.44	34.20	26.885	123.19	0.7528	0.80
500	5.95	34.22	26.964	116.61	0.8737	0.46
600	5.26	34.36	27.159	98.65	0.9823	0.34
700	4.81	34.38	27.227	92.70	1.0789	0.35

STATION 90.60 (Interpolated Values at Standard Depths) 22

CREST: 32°27'N 119°53.5'W; April 2, 1952; 2355 GCT; wire angle: 17°;
sounding: 480 fms; depth of observation: 620 m; weather: partly cloudy;
sea: rough; wind: 320°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.7	33.24	24.910	305.20	0.0000	5.92
10	13.6	33.17	24.876	308.66	0.0308	5.78
20	13.6	33.22	24.915	305.24	0.0616	5.97
30	13.6	33.21	24.907	306.24	0.0923	5.98
50	12.7	33.17	25.055	292.57	0.1525	5.97
75	10.5	33.22	25.499	250.74	0.2208	4.95
100	9.6	33.39	25.783	224.13	0.2805	3.91
150	8.78	33.84	26.265	179.10	0.3820	3.41
200	7.90	33.98	26.509	156.63	0.4665	2.75
250	7.27	34.04	26.646	144.11	0.5422	2.11
300	6.87	34.09	26.741	135.69	0.6127	1.56
400	6.26	34.19	26.901	121.56	0.7424	0.77
500	5.73	34.26	27.023	110.80	0.8596	0.41
600	5.20	34.33	27.142	100.12	0.9660	0.30

STATION 90.70 (Interpolated Values at Standard Depths)

CREST: 32°04'N 120°39'W; April 3, 1952; 0633 GCT; wire angle: 38°;
sounding: 1,200 fms; depth of observation: 838 m; weather: partly cloudy;
sea: rough; wind: 330°, force 6

00	14.5	33.30	24.790	316.66	0.0000	5.74
10	14.4	33.30	24.811	314.92	0.0317	5.83
20	14.4	33.31	24.818	314.46	0.0633	5.79
30	14.4	33.32	24.826	313.99	0.0948	5.73
50	14.4	33.33	24.834	313.79	0.1579	5.71
75	14.0	33.27	24.871	310.85	0.2364	5.79
100	12.2	33.18	25.159	283.81	0.3112	5.78
150	8.82	33.69	26.142	190.82	0.4307	4.00
200	8.18	34.01	26.490	158.47	0.5187	3.30
250	7.54	34.10	26.655	143.43	0.5947	2.61
300	6.95	34.14	26.769	133.05	0.6643	1.88
400	6.17	34.16	26.889	122.61	0.7932	0.77
500	5.71	34.25	27.018	111.29	0.9112	0.45
600	5.26	34.32	27.127	101.61	1.0186	0.35
700	4.78	34.39	27.238	91.59	1.1161	0.29
800	4.42	34.42	27.302	86.01	1.2058	0.40

STATION 90.80 (Interpolated Values at Standard Depths) 23

CREST: 31°46.5'N 121°19'W; April 3, 1952; 1301 GCT; wire angle: 30°;
sounding: 2,000 fms; depth of observation: 608 m; weather: light fog;
sea: rough; wind: 340°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0 0	14.7	33.42	24.839	311.93	0.0000	5.67
1 0	14.7	33.40	24.824	313.67	0.0314	5.74
2 0	14.6	33.40	24.845	311.90	0.0628	5.72
3 0	14.6	33.40	24.845	312.18	0.0941	5.69
5 0	14.6	33.39	24.838	313.46	0.1570	5.67
7 5	14.6	33.40	24.845	313.41	0.2358	5.67
1 0 0	14.6	33.39	24.838	314.82	0.3146	5.68
1 5 0	10.62	33.26	25.509	251.35	0.4573	5.10
2 0 0	8.81	33.78	26.214	184.90	0.5671	3.72
2 5 0	8.12	34.01	26.499	158.45	0.6536	3.27
3 0 0	7.43	34.06	26.639	145.64	0.7302	2.51
4 0 0	6.44	34.21	26.893	122.45	0.8653	1.24
5 0 0	6.03	34.27	26.993	113.94	0.9845	0.46
6 0 0	5.46	34.35	27.127	101.91	1.0934	0.33

STATION 90.90 (Interpolated Values at Standard Depths)

CREST: 31°25'N 121°59'W; April 3, 1952; 1653 GCT; wire angle: 35°;
sounding: 2,050 fms; depth of observation: 784 m; weather: partly cloudy;
sea: very rough; wind: 320°, force 5

0 0	14.8	33.33	24.749	320.56	0.0000	5.64
1 0	14.7	33.36	24.793	316.60	0.0320	5.55
2 0	14.7	33.39	24.816	314.67	0.0637	5.61
3 0	14.7	33.39	24.816	314.94	0.0953	5.62
5 0	14.7	33.35	24.785	318.42	0.1590	5.57
7 5	13.7	33.23	24.902	307.87	0.2377	5.68
1 0 0	13.0	33.13	24.966	302.35	0.3145	5.67
1 5 0	9.74	33.51	25.853	218.46	0.4456	4.35
2 0 0	8.73	33.84	26.273	179.26	0.5457	3.80
2 5 0	8.14	33.93	26.434	164.66	0.6323	3.29
3 0 0	7.50	34.05	26.622	147.37	0.7109	2.48
4 0 0	6.11	34.11	26.857	125.54	0.8484	1.03
5 0 0	5.56	34.22	27.012	111.61	0.9680	0.54
6 0 0	5.16	34.27	27.100	104.08	1.0768	0.33
7 0 0	4.79	34.33	27.190	96.16	1.1779	0.30
8 0 0	(4.45)	(34.41)	(27.291)	(87.10)	(1.2705)	-

STATION 90.100 (Interpolated Values at Standard Depths) 24

CREST: 31°05'N 122°39'W; April 4, 1952; 0020, 0045 GCT; wire angle: 32°, 30°; sounding: 2,000 fms; depth of observation: 488, 620 m; weather: overcast; sea: very rough; wind: 340°, force 6

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.5	33.30	24.790	316.66	0.0000	5.59
10	14.5	33.30	24.790	316.94	0.0318	5.65
20	14.5	33.33	24.813	315.01	0.0635	5.72
30	14.5	33.33	24.813	315.28	0.0951	5.76
50	14.5	33.33	24.813	315.82	0.1585	5.73
75	14.5	33.33	24.813	316.49	0.2380	5.71
100	13.0	33.08	24.927	306.03	0.3163	5.86
150	10.65	33.33	25.558	246.68	0.4554	5.06
200	8.51	33.66	26.166	189.26	0.5652	4.07
250	7.31	33.94	26.562	152.07	0.6511	3.25
300	7.50	33.97	26.559	153.30	0.7280	2.35
400	6.30	34.12	26.840	127.28	0.8694	1.32
500	5.68	34.19	26.974	115.36	0.9918	0.70
600	5.18	34.27	27.097	104.32	1.1026	0.40

STATION 93.27 (Interpolated Values at Standard Depths)

CREST: 32°55'N 117°19'W; April 5, 1952; 1651 GCT; wire angle: 0°; sounding: 105 fms; depth of observation: 149 m; weather: fog; sea: slight; wind: 350°, force 1

00	15.09	33.30	24.663	328.72	0.0000	6.15
10	13.27	33.30	25.043	292.77	0.0312	6.38
20	12.36	33.31	25.229	275.28	0.0597	6.30
30	11.56	33.35	25.411	258.25	0.0865	4.89
50	10.21	33.63	25.867	215.17	0.1341	3.48
75	9.84	33.83	26.086	194.92	0.1856	2.98
100	9.39	34.00	26.293	175.71	0.2322	2.41
150	(9.09)	(34.09)	(26.412)	(165.35)	(0.3180)	(2.04)

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STATION 93.30 (Interpolated Values at Standard Depths) 25

CREST: 32°50'N 117°31.5'W; April 5, 1952; 1443 GCT; wire angle: 3°;
sounding: 500 fms; depth of observation: 588 m; weather: fog;
sea: slight; wind: 060°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.0	33.31	24.690	326.13	0.0000	5.88
10	14.52	33.31	24.793	316.60	0.0323	6.01
20	13.3	33.30	25.037	293.59	0.0629	6.36
30	12.8	33.30	25.136	284.39	0.0919	6.37
50	12.4	33.31	25.222	276.74	0.1483	6.13
75	10.4	33.39	25.648	236.53	0.2128	4.29
100	9.9	33.64	25.928	210.42	0.2690	3.50
150	8.87	34.04	26.408	165.67	0.3637	2.55
200	8.50	34.14	26.543	153.59	0.4441	2.03
250	8.10	34.16	26.620	147.05	0.5198	1.61
300	8.01	34.23	26.688	141.41	0.5925	1.26
400	6.96	34.29	26.886	123.58	0.7261	0.59
500	6.17	34.33	27.023	111.35	0.8446	0.38
600	(5.62)	(34.37)	(27.123)	(102.48)	(0.9525)	-

STATION 93.40 (Interpolated Values at Standard Depths)

CREST: 32°30'N 118°12.5'W; April 5, 1952; 1003, 1020 GCT; wire angle:
3°, 8°; sounding: 1,050 fms; depth of observation: 483, 587 m;
weather: fog; sea: smooth; wind: 260°, force 1

00	14.58	33.33	24.796	316.08	0.0000	6.05
10	13.75	33.31	24.954	301.30	0.0310	6.21
20	13.0	33.31	25.105	287.16	0.0605	6.49
30	12.5	33.31	25.202	278.08	0.0889	6.50
50	11.8	33.35	25.366	262.95	0.1433	5.55
75	10.0	33.50	25.802	221.88	0.2042	4.05
100	9.5	33.71	26.049	198.89	0.2571	3.39
150	8.58	34.00	26.422	164.25	0.3485	2.70
200	8.10	34.11	26.581	149.89	0.4276	2.11
250	7.78	34.16	26.667	142.41	0.5012	1.51
300	7.47	34.21	26.751	135.09	0.5711	1.09
400	6.74	34.28	26.908	121.31	0.7003	0.62
500	6.05	34.34	27.046	109.02	0.8165	0.41
600	(5.58)	(34.39)	(27.144)	(100.49)	(0.9222)	(0.32)

STATION 93.50 (Interpolated Values at Standard Depths) 26

CREST: 32°10'N 118°54'W; April 5, 1952; 0439 GCT; wire angle: 5°;
sounding: 800 fms; depth of observation: 584 m; weather: clear;
sea: slight; wind: 260°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.2	33.33	24.662	328.81	0.0000	5.88
10	14.33	33.31	24.833	312.78	0.0322	5.85
20	14.2	33.26	24.822	314.11	0.0637	5.81
30	14.1	33.23	24.820	314.58	0.0953	5.78
50	14.0	33.22	24.833	313.86	0.1585	5.78
75	13.4	33.28	25.002	298.38	0.2355	5.69
100	10.4	33.24	25.531	248.12	0.3042	4.50
150	9.21	33.83	26.189	186.44	0.4136	3.19
200	8.81	34.04	26.417	165.69	0.5023	2.50
250	8.13	34.19	26.639	145.27	0.5806	1.84
300	7.57	34.21	26.737	136.52	0.6516	1.39
400	6.71	34.29	26.920	120.16	0.7810	0.71
500	5.95	34.33	27.051	108.46	0.8963	0.49
600	(5.46)	(34.34)	(27.119)	(102.66)	(1.0028)	-

STATION 93.60 (Interpolated Values at Standard Depths)

CREST: 31°52'N 119°30'W; April 5, 1952; 0005, 0033 GCT; wire angle:
13°, 14°; sounding: 1,050 fms; depth of observation: 280, 578 m;
weather: cloudy; sea: rough; wind: 260°, force 3

00	15.4	33.37	24.649	330.07	0.0000	5.62
10	14.8	33.39	24.795	316.45	0.0325	5.73
20	14.6	33.39	24.838	312.64	0.0641	5.69
30	14.5	33.39	24.859	310.88	0.0954	5.67
50	14.0	33.30	24.894	308.00	0.1576	5.74
75	12.5	33.27	25.171	282.12	0.2318	5.50
100	10.4	33.17	25.477	253.28	0.2992	4.01
150	9.31	33.78	26.134	191.69	0.4112	3.49
200	8.70	34.01	26.411	166.22	0.5013	2.70
250	8.30	34.17	26.598	149.27	0.5807	1.97
300	7.88	34.18	26.668	143.21	0.6544	1.46
400	7.03	34.23	26.829	129.01	0.7916	0.74
500	6.19	34.30	26.996	113.83	0.9141	0.45
600	(5.54)	(34.31)	(27.086)	(105.90)	(1.0250)	-

STATION 93.70 (Interpolated Values at Standard Depths) 27

CREST: 31°33'N 120°16'W; April 4, 1952; 1916 GCT; wire angle: 10°;
sounding: 2,100 fms; depth of observation: 580 m; weather: cloudy;
sea: moderate; wind: 180°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.7	33.15	24.632	331.70	0.0000	5.85
10	13.7	33.13	24.825	313.54	0.0324	5.91
20	13.6	33.14	24.853	311.11	0.0638	5.91
30	13.6	33.15	24.861	310.63	0.0950	5.89
50	13.5	33.15	24.881	309.20	0.1573	5.89
75	13.0	33.13	24.966	301.74	0.2341	5.86
100	12.0	33.10	25.135	286.08	0.3080	5.97
150	9.34	33.45	25.872	216.56	0.4345	4.31
200	8.68	33.90	26.328	174.06	0.5329	3.55
250	7.83	34.00	26.535	154.97	0.6157	2.65
300	7.51	34.08	26.644	145.29	0.6913	2.15
400	6.33	34.11	26.829	128.40	0.8292	1.16
500	5.71	34.16	26.947	117.97	0.9534	0.64
600	(5.32)	(34.24)	(27.057)	(108.29)	(1.0675)	-

STATION 93.80 (Interpolated Values at Standard Depths)

CREST: 31°12'N 121°00'W; April 4, 1952; 1257 GCT; wire angle: 11°;
sounding: 2,070 fms; depth of observation: 635 m; weather: cloudy;
sea: moderate; wind: 330°, force 4

00	14.4	33.26	24.780	317.58	0.0000	5.74
10	14.2	33.22	24.791	316.78	0.0318	5.80
20	14.2	33.25	24.814	314.85	0.0635	5.80
30	14.2	33.25	24.814	315.11	0.0951	5.77
50	14.2	33.22	24.791	317.84	0.1587	5.76
75	14.2	33.26	24.822	315.57	0.2383	5.66
100	13.5	33.20	24.920	306.81	0.3166	5.63
150	10.11	33.27	25.604	242.16	0.4548	4.90
200	9.00	33.69	26.113	194.48	0.5647	3.69
250	7.95	33.98	26.501	158.20	0.6535	3.59
300	7.31	34.01	26.617	147.66	0.7305	2.47
400	6.51	34.12	26.813	130.06	0.8705	1.05
500	5.86	34.21	26.967	116.18	0.9947	0.53
600	5.42	34.27	27.069	107.33	1.1075	0.44

STATION 93.90 (Interpolated Values at Standard Depths) 28

CREST: 30°51'N 121°41.5'W; April 4, 1952; 0724, 0747 GCT; wire angle: 24°, 26°; sounding: 2,000 fms; depth of observation: 154, 631 m; weather: cloudy; sea: rough; wind: 340°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.54	33.33	24.804	315.27	0.0000	5.70
10	14.54	33.33	24.804	315.55	0.0317	5.64
20	14.53	33.32	24.799	316.34	0.0634	5.60
30	14.52	33.31	24.793	317.14	0.0952	5.56
50	14.52	33.31	24.793	317.69	0.1590	5.47
75	14.5	33.23	24.736	323.80	0.2396	5.15
100	13.5	33.19	24.912	307.54	0.3190	5.70
150	10.34	33.34	25.620	240.77	0.4570	4.56
200	8.89	33.69	26.131	192.79	0.5662	3.89
250	8.06	33.95	26.461	162.01	0.6555	3.07
300	7.40	34.04	26.628	146.70	0.7333	2.35
400	6.34	34.09	26.812	130.02	0.8728	1.20
500	5.68	34.21	26.990	113.88	0.9958	0.61
600	5.20	34.29	27.111	103.08	1.1053	0.43

STATION 97.32 (Interpolated Values at Standard Depths)

CREST: 32°10.5'N 117°16.5'W; April 6, 1952; 2135 GCT; wire angle: 9°; sounding: 750 fms; depth of observation: 584 m; weather: partly cloudy; sea: slight; wind: 280°, force 3

00	16.0	33.33	24.484	345.74	0.0000	5.85
10	14.45	33.28	24.785	317.39	0.0333	6.13
20	13.6	33.25	24.938	303.04	0.0644	6.46
30	13.5	33.24	24.951	302.09	0.0948	6.44
50	11.6	33.28	25.349	264.57	0.1517	5.05
75	10.0	33.49	25.794	222.62	0.2129	4.01
100	9.5	33.72	26.056	198.14	0.2658	3.38
150	9.30	33.92	26.245	181.18	0.3613	3.03
200	8.89	34.14	26.483	159.51	0.4471	1.94
250	8.37	34.20	26.610	148.11	0.5246	1.52
300	7.87	34.25	26.725	137.88	0.5966	1.15
400	6.80	34.23	26.861	125.83	0.7295	0.75
500	6.18	34.34	27.029	110.73	0.8488	0.34
600	(5.60)	(34.34)	(27.102)	(104.45)	(0.9574)	-

STATION 97.40 (Interpolated Values at Standard Depths) 29

CREST: 31°55'N 117°50.5'W; April 7, 1952; 0207 GCT; wire angle: 3°;
sounding: 335 fms; depth of observation: 482 m; weather: partly cloudy;
sea: slight; wind: 240°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.6	33.28	24.535	340.86	0.0000	5.92
10	14.74	33.28	24.723	323.28	0.0333	5.98
20	13.6	33.23	24.923	304.51	0.0648	6.18
30	13.4	33.23	24.963	300.90	0.0952	6.16
50	11.7	33.30	25.346	264.86	0.1521	5.15
75	10.6	33.39	25.613	239.86	0.2155	4.45
100	9.6	33.60	25.946	208.60	0.2719	3.80
150	9.10	33.86	26.230	182.52	0.3703	2.42
200	8.51	34.02	26.448	162.62	0.4572	2.52
250	7.89	34.04	26.557	152.88	0.5366	1.96
300	7.62	34.16	26.691	140.93	0.6106	1.27
400	6.81	34.17	26.812	130.40	0.7474	0.68
500	(6.25)	(34.27)	(26.965)	(116.85)	(0.8721)	(0.45)

STATION 97.50 (Interpolated Values at Standard Depths)

CREST: 31°35'N 118°31'W; April 7, 1952; 0809 GCT; wire angle: 3°;
sounding: 1,300 fms; depth of observation: 589 m; weather: partly cloudy;
sea: smooth; wind: 230°, force 2

00	14.7	33.24	24.701	325.11	0.0000	5.93
10	14.26	33.22	24.779	317.97	0.0323	5.99
20	13.8	33.23	24.882	308.41	0.0637	5.93
30	13.7	33.23	24.902	306.71	0.0946	5.92
50	13.1	33.21	25.008	297.15	0.1553	6.05
75	11.3	33.21	25.349	265.04	0.2260	5.46
100	10.3	33.36	25.642	237.61	0.2892	4.33
150	9.08	33.75	26.148	190.34	0.3969	3.49
200	8.50	33.98	26.418	165.43	0.4865	2.54
250	7.95	34.03	26.540	154.49	0.5671	2.16
300	7.64	34.13	26.664	143.44	0.6421	1.45
400	6.66	34.21	26.864	125.40	0.7776	0.78
500	5.97	34.25	26.985	114.64	0.8987	0.46
600	(5.31)	(34.34)	(27.137)	(100.76)	(1.0074)	-

STATION 97.60 (Interpolated Values at Standard Depths) 30

CREST: 31°12'N 119°08.5'W; April 7, 1952; 1300 GCT; wire angle: 0°;
sounding: 1,900 fms; depth of observation: 594 m; weather: partly cloudy;
sea: slight; wind: 200°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.3	33.37	24.671	327.98	0.0000	5.66
10	15.18	33.39	24.712	324.29	0.0327	5.74
20	15.0	33.44	24.790	317.18	0.0649	5.69
30	14.9	33.44	24.812	315.39	0.0967	5.66
50	14.9	33.44	24.812	315.95	0.1601	5.66
75	14.5	33.26	24.759	321.61	0.2402	5.77
100	11.5	33.41	25.468	254.36	0.3127	4.73
150	9.56	33.73	26.054	199.33	0.4269	3.50
200	9.24	34.07	26.372	170.13	0.5199	2.34
250	8.30	34.07	26.519	156.68	0.6022	2.23
300	8.00	34.19	26.658	144.22	0.6780	1.53
400	6.92	34.23	26.844	127.47	0.8149	0.90
500	6.28	34.30	26.985	115.03	0.9372	0.47
600	(5.79)	(34.33)	(27.071)	(107.65)	(1.0495)	(0.34)

STATION 97.70 (Interpolated Values at Standard Depths)

CREST: 30°51'N 119°51'W; April 7, 1952; 1816 GCT; wire angle: 23°;
sounding: 2,050 fms; depth of observation: 553 m; weather: partly cloudy;
sea: moderate; wind: 230°, force 4

00	15.3	33.37	24.671	327.98	0.0000	5.75
10	15.1	33.39	24.730	322.63	0.0327	5.73
20	15.4	33.50	24.749	321.13	0.0650	5.70
30	15.6	33.58	24.766	319.81	0.0972	5.69
50	15.7	33.60	24.759	321.05	0.1616	5.67
75	13.9	33.50	25.069	292.01	0.2387	5.64
100	11.5	33.23	25.328	267.62	0.3091	5.50
150	9.52	33.53	25.905	213.48	0.4302	3.79
200	8.59	33.99	26.412	166.04	0.5258	2.89
250	8.13	34.11	26.576	151.20	0.6057	2.22
300	7.76	34.17	26.678	142.21	0.6796	1.66
400	6.57	34.21	26.876	124.19	0.8139	1.00
500	6.00	34.31	27.029	110.60	0.9323	0.43

STATION 97.80 (Interpolated Values at Standard Depths) 31

CREST: 30°35'N 120°31'W; April 7, 1952; 2314 GCT; wire angle: 14°;
sounding: 2,050 fms; depth of observation: 622 m; weather: partly cloudy;
sea: slight; wind: 250°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.8	33.20	24.649	330.08	0.0000	5.82
10	14.44	33.19	24.718	323.78	0.0328	5.89
20	14.2	33.21	24.783	317.78	0.0650	5.86
30	14.0	33.22	24.833	313.33	0.0967	5.87
50	13.5	33.20	24.920	305.54	0.1589	5.94
75	13.0	33.19	25.012	297.33	0.2347	5.93
100	11.0	33.21	25.403	260.43	0.3049	5.30
150	9.05	33.61	26.043	200.23	0.4208	3.80
200	8.34	33.93	26.404	166.75	0.5132	3.05
250	7.62	34.03	26.589	149.76	0.5929	2.54
300	7.16	34.07	26.685	141.14	0.6662	2.01
400	6.32	34.16	26.869	124.57	0.8001	0.93
500	5.70	34.24	27.011	111.91	0.9194	0.56
600	5.23	34.32	27.131	101.24	1.0269	0.36

STATION 97.90 (Interpolated Values at Standard Depths)

CREST: 30°15'N 121°11'W; April 8, 1952; 0433, 0450 GCT; wire angle: 21°, 24°; sounding: 2,150 fms; depth of observation: 151, 598 m;
weather: partly cloudy; sea: rough; wind: 330°, force 5

00	14.8	33.28	24.710	324.21	0.0000	5.77
10	14.73	33.30	24.741	321.61	0.0324	5.78
20	14.4	33.24	24.765	319.59	0.0646	5.82
30	14.3	33.25	24.793	317.11	0.0966	5.83
50	14.2	33.26	24.822	314.91	0.1601	5.84
75	14.1	33.27	24.851	312.84	0.2390	5.80
100	13.3	33.21	24.968	302.21	0.3164	5.71
150	10.45	33.36	25.616	241.12	0.4532	4.89
200	8.52	33.84	26.306	176.09	0.5583	3.49
250	7.85	34.04	26.563	152.30	0.6410	2.65
300	7.32	34.11	26.694	140.39	0.7147	1.83
400	6.13	34.13	26.870	124.32	0.8481	1.06
500	5.67	34.27	27.038	109.30	0.9659	0.56
600	(5.23)	(34.34)	(27.147)	(99.76)	(1.0714)	(0.35)

STATION 100.29 (Interpolated Values at Standard Depths) 32

CREST: 31°42'N 116°44'W; April 10, 1952; 0149 GCT; wire angle: 0°;
sounding: 75 fms; depth of observation: 75 m; weather: cloudy;
sea: slight; wind: 290°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.32	33.35	24.866	309.38	0.0000	6.54
10	12.85	33.37	25.181	279.69	0.0296	6.91
20	11.52	33.39	25.449	254.38	0.0564	4.95
30	10.88	33.39	25.564	243.60	0.0814	4.44
50	10.26	33.53	25.781	223.38	0.1283	3.90
75	9.85	33.68	25.967	206.17	0.1823	3.37

STATION 100.30 (Interpolated Values at Standard Depths)

CREST: 31°40.5'N 116°45'W; April 10, 1952; 0040 GCT; wire angle: 10°;
sounding: 250 fms; depth of observation: 392 m; weather: cloudy;
sea: slight; wind: 290°, force 2

00	15.0	33.35	24.721	323.20	0.0000	6.24
10	13.17	33.35	25.102	287.19	0.0306	6.07
20	13.0	33.37	25.151	282.75	0.0592	6.04
30	12.0	33.41	25.375	261.64	0.0865	5.86
50	10.8	33.53	25.687	232.35	0.1361	4.08
75	10.0	33.73	25.981	204.88	0.1911	3.38
100	9.8	33.86	26.116	192.56	0.2411	2.99
150	9.42	33.97	26.265	179.38	0.3347	2.64
200	8.85	34.14	26.489	158.90	0.4199	1.54
250	8.44	34.19	26.592	149.89	0.4977	1.32
300	8.14	34.21	26.653	144.82	0.5719	1.09
400	(7.24)	(34.27)	(26.831)	(128.99)	(0.7099)	-

STATION 100.40

(Interpolated Values at Standard Depths)

33

CREST: 31°19'N 117°25'W; April 9, 1952; 1949 GCT; wire angle: 2°;
 sounding: 1,000 fms; depth of observation: 1,167 m; weather: cloudy;
 sea: moderate; wind: 290°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.5	33.33	24.596	335.09	0.0000	5.84
10	15.13	33.31	24.662	329.11	0.0333	5.60
20	(14.8)	33.31	(24.733)	(322.58)	(0.0660)	5.83
30	(14.2)	33.31	(24.860)	(310.72)	(0.0978)	5.86
50	(13.8)	33.31	(24.943)	(303.31)	(0.1595)	5.82
75	(11.8)	33.24	(25.281)	(271.62)	(0.2318)	5.04
100	(10.3)	33.41	(25.681)	(233.93)	(0.2954)	4.22
150	9.78	33.83	26.096	195.47	0.4035	3.11
200	9.21	34.12	26.416	165.96	0.4945	2.08
250	8.88	34.23	26.554	153.65	0.5750	1.34
300	8.20	34.23	26.660	144.23	0.6500	1.12
400	6.94	34.27	26.873	124.79	0.7856	0.80
500	6.18	34.30	26.998	113.70	0.9059	0.41
600	5.54	34.35	27.117	102.94	1.0152	0.40
700	5.04	34.38	27.201	95.55	1.1154	0.42
800	4.65	34.39	27.253	91.02	1.2096	0.45
1000	3.92	34.41	27.347	82.55	1.3851	0.66

STATION 100.50

(Interpolated Values at Standard Depths)

CREST: 30°58'N 118°05'W; April 9, 1952; 1259 GCT; wire angle: 10°;
 sounding: 1,000 fms; depth of observation: 585 m; weather: cloudy;
 sea: smooth; wind: 340°, force 3

00	14.88	33.35	24.747	320.73	0.0000	6.00
10	14.8	33.32	24.741	321.57	0.0322	5.76
20	14.7	33.35	24.785	317.61	0.0643	5.85
30	14.3	33.35	24.870	309.78	0.0958	5.76
50	11.2	33.35	25.476	252.45	0.1523	4.57
75	10.5	33.35	25.600	241.14	0.2143	3.96
100	10.3	33.70	25.907	212.52	0.2714	3.43
150	9.41	33.96	26.258	179.96	0.3702	2.75
200	9.05	34.07	26.402	167.17	0.4576	2.25
250	8.34	34.13	26.560	152.83	0.5382	1.95
300	7.69	34.23	26.735	136.76	0.6111	1.26
400	6.90	34.27	26.878	124.23	0.7426	0.61
500	6.16	34.32	27.016	111.95	0.8617	0.33
600	(5.65)	(34.37)	(27.120)	(102.87)	(0.9701)	-

STATION 100.60 (Interpolated Values at Standard Depths) 34

CREST: 30°41'N 118°47.5'W; April 9, 1952; 0753 GCT; wire angle: 16°;
sounding: 1,700 fms; depth of observation: 1,122 m; weather: overcast;
sea: slight; 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	15.4	33.37	24.649	330.07	0.0000	5.30
10	15.3	33.37	24.671	328.26	0.0330	5.50
20	15.0	33.37	24.736	322.30	0.0657	5.63
30	14.7	33.37	24.801	316.41	0.0978	5.65
50	14.6	33.37	24.822	314.93	0.1612	5.66
75	13.6	33.25	24.938	304.45	0.2391	5.74
100	11.8	33.19	25.242	275.87	0.3121	4.95
150	9.79	33.61	25.923	211.87	0.4349	3.74
200	8.95	33.94	26.317	175.22	0.5324	2.76
250	8.34	34.07	26.513	157.27	0.6161	2.32
300	7.85	34.20	26.688	141.29	0.6913	1.84
400	7.00	34.27	26.865	125.63	0.8258	0.79
500	6.08	34.27	26.987	114.61	0.9470	0.53
600	5.56	34.35	27.115	103.19	1.0569	0.36
700	5.06	34.41	27.222	93.57	1.1562	0.35
800	4.60	34.42	27.282	88.20	1.2480	0.37
1000	3.90	34.44	27.373	80.10	1.4182	0.64

STATION 100.70 (Interpolated Values at Standard Depths)

CREST: 30°20.5'N 119°27'W; April 9, 1952; 0255 GCT; wire angle: 9°;
sounding: 2,050 fms; depth of observation: 589 m; weather: cloudy;
sea: rough; wind: 340°, force 3

00	15.9	33.57	24.691	326.06	0.0000	5.60
10	15.86	33.58	24.707	324.77	0.0327	5.60
20	15.8	33.57	24.713	324.50	0.0653	5.58
30	15.7	33.57	24.736	322.66	0.0978	5.59
50	15.5	33.58	24.788	318.25	0.1622	5.62
75	15.3	33.57	24.824	315.48	0.2419	5.66
100	15.1	33.57	24.868	311.99	0.3208	5.59
150	10.65	33.51	25.698	233.42	0.4581	4.44
200	9.06	33.92	26.284	178.40	0.5618	3.28
250	8.58	34.03	26.445	163.84	0.6480	2.50
300	8.07	34.12	26.593	150.44	0.7272	2.09
400	7.00	34.18	26.794	132.28	0.8697	1.25
500	6.26	34.31	26.995	114.02	0.9939	0.49
600	(5.80)	(34.39)	(27.117)	(103.35)	(1.1036)	-

STATION 100.80 (Interpolated Values at Standard Depths) 35

CREST: 30°01'N 120°07'W; April 8, 1952; 2155 GCT; wire angle: 0°;
sounding: 2,000 fms; depth of observation: 1,174 m; weather: cloudy;
sea: moderate; 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	15.9	33.48	24.622	332.64	0.0000	5.64
10	15.5	33.44	24.680	327.34	0.0331	5.64
20	15.5	33.46	24.696	326.17	0.0659	5.68
30	15.5	33.51	24.734	322.80	0.0985	5.70
50	15.6	33.58	24.766	320.38	0.1631	5.65
75	15.3	33.58	24.832	314.75	0.2429	5.65
100	13.7	33.37	25.010	298.26	0.3200	5.48
150	10.21	33.51	25.774	226.09	0.4520	4.23
200	9.16	33.96	26.299	177.00	0.5535	3.21
250	8.28	34.05	26.507	157.85	0.6378	2.56
300	7.56	34.09	26.644	145.26	0.7142	2.14
400	6.57	34.24	26.899	121.97	0.8489	0.80
500	5.86	34.29	27.031	110.25	0.9660	0.32
600	5.46	34.43	27.190	96.00	1.0701	0.30
700	5.01	34.46	27.267	89.25	1.1636	0.34
800	4.55	34.47	27.327	83.88	1.2510	0.40
1000	3.94	34.53	27.440	73.93	1.4106	0.62

STATION 100.90 (Interpolated Values at Standard Depths)

CREST: 29°40'N 120°47'W; April 8, 1952; 1652, 1714 GCT; wire angle:
5°, 5°; sounding: 2,000 fms; depth of observation: 212, 641 m;
weather: cloudy; sea: rough; wind: 10°, force 4

00	16.0	33.68	24.753	320.19	0.0000	5.64
10	15.97	33.68	24.759	319.84	0.0321	5.60
20	16.0	33.68	24.753	320.78	0.0643	5.56
30	15.9	33.68	24.775	318.92	0.0964	5.56
50	15.6	33.68	24.842	313.07	0.1599	5.56
75	15.0	33.67	24.967	301.90	0.2372	5.54
100	12.7	33.43	25.256	274.69	0.3097	5.05
150	9.89	33.58	25.883	215.70	0.4331	3.84
200	9.01	33.97	26.331	173.93	0.5312	3.00
250	8.04	34.05	26.543	154.32	0.6139	2.61
300	7.62	34.10	26.644	145.37	0.6894	2.02
400	6.69	34.16	26.820	129.52	0.8279	1.10
500	5.95	34.26	26.996	113.65	0.9505	0.54
600	5.33	34.33	27.127	101.75	1.0592	0.34

STATION 100.100 (Interpolated Values at Standard Depths) 36

CREST: 29°20'N 121°27'W; April 8, 1952; 1110 GCT; wire angle: 10°;
sounding: 2,110 fms; depth of observation: 1,234 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	15.1	33.40	24.738	321.61	0.0000	5.76
10	15.0	33.40	24.759	319.83	0.0322	5.74
20	15.0	33.40	24.759	320.11	0.0643	5.75
30	15.0	33.41	24.767	319.66	0.0964	5.75
50	15.5	33.55	24.765	320.45	0.1607	5.70
75	14.8	33.44	24.833	314.57	0.2405	5.83
100	13.0	33.16	24.989	300.15	0.3178	5.71
150	9.62	33.34	25.740	229.10	0.4510	4.60
200	8.62	33.90	26.337	173.15	0.5523	3.44
250	7.90	34.01	26.532	155.25	0.6350	2.94
300	7.41	34.11	26.681	141.66	0.7098	2.10
400	6.78	34.22	26.855	126.30	0.8449	0.90
500	6.05	34.27	26.991	114.21	0.9662	0.53
600	5.46	34.37	27.143	100.44	1.0745	0.36
700	4.99	34.41	27.230	92.70	1.1720	0.35
800	4.50	34.44	27.309	85.49	1.2620	0.43
1000	3.85	34.51	27.433	74.33	1.4236	0.64

STATION 103.30 (Interpolated Values at Standard Depths)

CREST: 31°04.5'N 116°26.5'W; April 10, 1952; 0611 GCT; wire angle: 4°;
sounding: 45 fms; depth of observation: 50 m; weather: overcast;
sea: slight; wind: 300°, force 2

00	13.76	33.35	24.982	298.30	0.0000	6.21
10	13.72	33.30	24.952	301.45	0.0301	6.22
20	13.36	33.31	25.033	294.01	0.0600	6.26
30	11.74	33.31	25.346	264.38	0.0880	5.35
50	10.51	33.49	25.707	230.45	0.1377	4.85

STATION 103.35 (Interpolated Values at Standard Depths) 37

CREST: 30°50'N 116°45'W; April 10, 1952; 0843 GCT; wire angle: 5°;
sounding: 1,050 fms; depth of observation: 589 m; weather: overcast;
sea: smooth; wind: 100°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.8	33.58	24.941	302.26	0.0000	6.38
10	14.41	33.62	25.055	291.67	0.0298	6.33
20	13.5	33.59	25.221	276.15	0.0583	6.14
30	12.4	33.58	25.431	256.40	0.0850	5.29
50	10.3	33.80	25.984	204.09	0.1313	3.40
75	9.3	34.03	26.331	171.59	0.1785	2.39
100	9.1	34.09	26.410	164.54	0.2208	2.25
150	8.78	34.14	26.500	156.90	0.3017	1.93
200	8.40	34.19	26.598	148.40	0.3786	1.66
250	8.18	34.25	26.678	141.58	0.4516	1.15
300	7.49	34.23	26.764	133.90	0.5210	1.14
400	6.92	34.31	26.907	121.56	0.6498	0.54
500	6.08	34.33	27.034	110.16	0.7667	0.36
600	(5.57)	(34.36)	(27.122)	(102.58)	(0.8740)	-

STATION 103.40 (Interpolated Values at Standard Depths)

CREST: 30°46'N 117°06'W; April 10, 1952; 1142 GCT; wire angle: 0°;
sounding: 910 fms; depth of observation: 588 m; weather: intermittent
light drizzle; sea: slight; wind: 160°, force 3

00	15.3	33.33	24.640	330.90	0.0000	5.74
10	15.25	33.31	24.636	331.60	0.0333	5.74
20	14.4	33.30	24.811	315.19	0.0658	5.78
30	13.9	33.29	24.907	306.23	0.0970	5.82
50	13.8	33.28	24.920	305.52	0.1585	5.84
75	11.7	33.28	25.330	266.90	0.2305	4.98
100	10.6	33.51	25.707	231.52	0.2932	4.02
150	9.54	33.85	26.151	190.14	0.3993	3.04
200	8.91	34.06	26.417	165.73	0.4889	2.24
250	8.25	34.18	26.613	147.79	0.5678	1.75
300	7.82	34.19	26.685	141.60	0.6407	1.24
400	7.04	34.31	26.891	123.23	0.7742	0.63
500	6.15	34.35	27.041	109.61	0.8916	0.39
600	(5.57)	(34.38)	(27.138)	(101.09)	(0.9979)	-

STATION 103.50 (Interpolated Values at Standard Depths) 38

CREST: 30°26'N 117°45.5'W; April 10, 1952; 1644 GCT; wire angle: 18°;
sounding: 1,450 fms; depth of observation: 570 m; weather: light rain;
sea: moderate; wind: 220°, 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	33.22	24.599	334.79	0.0000	5.76
10	14.9	33.28	24.689	326.55	0.0332	5.70
20	14.2	33.28	24.837	312.65	0.0653	5.92
30	13.9	33.27	24.892	307.70	0.0964	5.94
50	13.1	33.23	25.023	295.67	0.1570	5.92
75	12.0	33.24	25.243	275.20	0.2288	5.24
100	10.7	33.19	25.441	256.81	0.2957	4.47
150	9.31	33.80	26.150	190.21	0.4082	3.14
200	8.73	34.01	26.406	166.68	0.4981	2.57
250	8.29	34.15	26.583	150.60	0.5780	1.83
300	7.79	34.20	26.697	140.42	0.6513	1.30
400	6.71	34.22	26.865	125.35	0.7852	0.74
500	6.13	34.25	26.965	116.75	0.9073	0.40

STATION 103.60 (Interpolated Values at Standard Depths)

CREST: 30°06'N 118°24.5'W; April 10, 1952; 2156 GCT; wire angle: 25°;
sounding: 1,800 fms; depth of observation: 548 m; weather: partly cloudy;
sea: rough; wind: 250°, force 4

00	16.0	33.51	24.622	332.60	0.0000	5.65
10	15.9	33.49	24.629	332.20	0.0334	5.61
20	15.8	33.51	24.667	328.89	0.0666	5.60
30	15.6	33.51	24.712	324.91	0.0994	5.56
50	15.4	33.51	24.756	321.26	0.1643	5.54
75	14.8	33.51	24.887	309.46	0.2436	5.57
100	14.0	33.39	24.964	302.72	0.3206	5.36
150	10.10	33.48	25.769	226.49	0.4538	4.01
200	9.02	33.96	26.321	174.82	0.5548	3.09
250	8.31	34.07	26.518	156.82	0.6383	2.39
300	7.79	34.12	26.634	146.34	0.7147	1.72
400	6.85	34.23	26.854	126.51	0.8522	0.74
500	6.13	34.33	27.028	110.82	0.9719	0.35

STATION 103.70 (Interpolated Values at Standard Depths) 39

CREST: 29°46'N 119°05.5'W; April 11, 1952; 0355 GCT; wire angle: 21°;
sounding: 1,850 fms; depth of observation: 505 m; weather: moderate rain;
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	16.0	33.51	24.622	332.60	0.0000	5.60
10	15.9	33.51	24.645	330.73	0.0333	5.65
20	15.9	33.51	24.645	331.03	0.0665	5.66
30	15.9	33.51	24.645	331.32	0.0997	5.67
50	15.4	33.48	24.733	323.45	0.1655	5.67
75	15.4	33.55	24.787	319.04	0.2463	5.64
100	15.0	33.46	24.805	317.94	0.3264	5.63
150	10.97	33.74	25.820	221.94	0.4623	4.69
200	9.40	33.86	26.182	188.16	0.5656	3.36
250	8.38	33.99	26.444	163.79	0.6542	2.57
300	7.70	34.14	26.663	143.55	0.7316	1.79
400	6.82	34.17	26.811	130.55	0.8697	1.27
500	6.03	34.24	26.970	116.18	0.9941	0.68

STATION 103.80 (Interpolated Values at Standard Depths)

CREST: 29°27'N 119°45'W; April 11, 1952; 0915 GCT; wire angle: 12°;
sounding: 2,000 fms; depth of observation: 629 m; weather: partly cloudy;
sea: rough; wind: 280°, force 4

00	15.4	33.35	24.633	331.53	0.0000	5.75
10	15.37	33.35	24.640	331.19	0.0333	5.76
20	15.4	33.35	24.633	332.10	0.0666	5.76
30	15.4	33.35	24.633	332.38	0.1000	5.77
50	14.8	33.32	24.741	322.67	0.1658	5.88
75	14.2	33.24	24.807	317.03	0.2462	6.03
100	12.4	33.24	25.168	283.06	0.3217	5.64
150	9.98	33.56	25.852	218.63	0.4480	3.94
200	9.00	33.96	26.324	174.52	0.5470	3.05
250	8.35	34.09	26.527	155.95	0.6302	2.52
300	7.71	34.14	26.662	143.71	0.7057	1.87
400	6.64	34.09	26.772	134.02	0.8457	0.92
500	6.16	34.30	27.000	113.44	0.9705	0.50
600	5.66	34.39	27.134	101.52	1.0789	0.35

STATION 103.90 (Interpolated Values at Standard Depths) 40

CREST: 29°06'N 120°25'W; April 11, 1952; 1726 GCT; wire angle: 45°;
sounding: 2,050 fms; depth of observation: 476 m; weather: partly cloudy;
sea: high; 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	15.2	33.48	24.777	317.84	0.0000	5.74
10	15.6	33.49	24.697	325.80	0.0323	5.66
20	15.6	33.49	24.697	326.09	0.0650	5.78
30	15.6	33.49	24.697	326.37	0.0978	5.80
50	15.6	33.53	24.727	324.03	0.1632	5.78
75	14.0	33.29	24.887	309.38	0.2428	5.67
100	12.2	33.25	25.213	278.67	0.3168	5.34
150	9.13	33.52	25.960	208.12	0.4393	4.18
200	8.44	33.98	26.427	164.53	0.5331	3.34
250	7.84	34.08	26.596	149.20	0.6121	2.56
300	7.35	34.14	26.714	138.59	0.6846	1.90
400	6.40	34.24	26.922	119.70	0.8148	0.76
500	(5.65)	(34.36)	(27.112)	(102.37)	(0.9268)	(0.44)

STATION 107.32 (Interpolated Values at Standard Depths)

CREST: 30°25.5'N 116°12'W; April 13, 1952; 0141 GCT; wire angle: 20°;
sounding: 340 fms; depth of observation: 441 m; weather: overcast;
sea: rough; wind: 340°, force 4

00	14.8	33.26	24.695	325.68	0.0000	6.12
10	14.7	33.24	24.701	325.38	0.0327	6.35
20	13.5	33.25	24.958	301.11	0.0641	6.26
30	12.3	33.28	25.218	276.63	0.0931	6.10
50	11.1	33.45	25.572	243.35	0.1454	4.74
75	10.5	33.75	25.911	211.61	0.2026	3.00
100	10.4	33.93	26.068	197.20	0.2540	2.44
150	9.72	34.08	26.301	176.04	0.3479	1.82
200	9.57	34.27	26.474	160.61	0.4327	1.22
250	9.48	34.32	26.528	156.48	0.5125	0.91
300	8.60	34.34	26.684	142.15	0.5877	0.80
400	6.96	34.34	26.925	119.88	0.7198	0.43

STATION 107.35 (Interpolated Values at Standard Depths) 41

CREST: 30°19'N 116°21.5'W; April 12, 1952; 2335 GCT; wire angle: 14°;
 sounding: 980 fms; depth of observation: 579 m; weather: cloudy;
 sea: rough; wind: 330°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.4	33.28	24.580	336.65	0.0000	5.91
10	14.8	33.30	24.726	323.04	0.0331	5.96
20	14.7	33.28	24.732	322.73	0.0655	6.43
30	13.6	33.30	24.977	299.64	0.0967	6.00
50	11.4	33.42	25.494	250.76	0.1520	4.49
75	10.4	33.57	25.788	223.24	0.2116	3.83
100	9.8	33.82	26.085	195.52	0.2643	3.24
150	9.20	34.08	26.386	167.79	0.3557	2.50
200	8.68	34.19	26.555	152.61	0.4364	1.95
250	8.16	34.27	26.697	139.80	0.5100	1.34
300	8.02	34.33	26.765	134.16	0.5790	0.83
400	7.12	34.36	26.919	120.64	0.7074	0.44
500	6.23	34.36	27.039	109.92	0.8237	0.34
600	(5.52)	(34.40)	(27.159)	(98.98)	(0.9291)	-

STATION 107.40 (Interpolated Values at Standard Depths)

CREST: 30°05.5'N 116°43'W; April 12, 1952; 2004 GCT; wire angle: 18°;
 sounding: 1,300 fms; depth of observation: 556 m; weather: overcast;
 sea: rough; wind: 310°, force 2

00	15.1	33.30	24.661	328.93	0.0000	6.05
10	14.5	33.30	24.790	316.94	0.0324	6.16
20	14.3	33.30	24.832	313.17	0.0640	6.22
30	13.8	33.31	24.943	302.80	0.0949	6.10
50	11.1	33.38	25.517	248.51	0.1503	4.40
75	10.1	33.54	25.816	220.54	0.2093	3.67
100	9.6	33.78	26.087	195.29	0.2616	3.22
150	9.28	34.10	26.389	167.58	0.3529	2.29
200	8.87	34.23	26.556	152.55	0.4335	1.56
250	8.51	34.29	26.659	143.55	0.5081	1.19
300	7.99	34.29	26.738	136.68	0.5787	0.93
400	6.94	34.29	26.889	123.32	0.7097	0.54
500	6.11	34.32	27.023	111.30	0.8280	0.38

STATION 107.50 (Interpolated Values at Standard Depths) 42

CREST: 29°48.5'N 117°23'W; April 12, 1952; 1500 GCT; wire angle: 13°;
sounding: 1,500 fms; depth of observation: 575 m; weather: overcast;
sea: rough; wind: 310°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.0	33.28	24.667	328.33	0.0000	5.92
10	14.95	33.26	24.663	329.04	0.0330	6.15
20	14.9	33.28	24.689	326.82	0.0659	5.93
30	14.9	33.28	24.689	327.10	0.0987	6.01
50	13.9	33.24	24.869	310.42	0.1628	6.85
75	13.2	33.21	24.988	299.67	0.2395	5.54
100	12.1	33.33	25.294	270.96	0.3113	5.60
150	9.59	33.71	26.034	201.29	0.4302	3.44
200	8.85	34.01	26.387	168.51	0.5233	2.68
250	8.34	34.14	26.568	152.09	0.6040	2.31
300	8.03	34.25	26.701	140.23	0.6776	1.31
400	7.34	34.34	26.872	125.23	0.8114	0.51
500	6.34	34.33	27.001	113.61	0.9318	0.37
600	(5.71)	(34.34)	(27.089)	(105.86)	(1.0425)	-

STATION 107.60 (Interpolated Values at Standard Depths)

CREST: 29°32'N 118°03'W; April 12, 1952; 1003 GCT; wire angle: 19°;
sounding: 1,780 fms; depth of observation: 561 m; weather: overcast;
sea: slight; wind: 310°, force 4

00	16.1	33.60	24.669	328.19	0.0000	5.62
10	16.1	33.60	24.669	328.49	0.0330	5.68
20	16.1	33.60	24.669	328.78	0.0660	5.66
30	16.1	33.60	24.669	329.08	0.0990	5.66
50	15.9	33.61	24.721	324.61	0.1647	5.70
75	15.8	33.64	24.767	320.99	0.2459	5.66
100	15.8	33.67	24.790	319.53	0.3265	5.52
150	10.67	33.70	25.842	219.77	0.4622	4.22
200	9.12	33.73	26.126	193.38	0.5662	3.47
250	8.42	34.04	26.477	160.69	0.6554	2.46
300	8.08	34.18	26.639	146.15	0.7327	1.68
400	7.02	34.22	26.823	129.60	0.8717	0.83
500	6.24	34.25	26.951	118.20	0.9967	0.55

STATION 107.70 (Interpolated Values at Standard Depths) 43

CREST: 29°13.5'N 118°45'W; April 12, 1952; 0502 GCT; wire angle: 3°;
sounding: 1,800 fms; depth of observation: 474 m; weather: cloudy;
sea: very rough; wind: 350°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.1	33.49	24.584	336.21	0.0000	5.72
10	16.1	33.48	24.577	337.25	0.0338	5.75
20	16.0	33.49	24.607	334.65	0.0675	5.66
30	16.0	33.50	24.615	334.21	0.1011	5.65
50	15.5	33.55	24.765	320.45	0.1669	5.75
75	15.4	33.60	24.825	315.40	0.2468	5.69
100	15.1	33.62	24.907	308.33	0.3253	5.43
150	10.26	33.46	25.727	230.60	0.4609	4.30
200	10.15	34.03	26.189	187.79	0.5663	3.25
250	8.50	34.05	26.473	161.14	0.6542	2.45
300	7.96	34.12	26.609	148.82	0.7323	1.75
400	7.11	34.21	26.802	131.60	0.8736	0.84
500	(6.40)	(34.24)	(26.922)	(121.09)	(1.0010)	(0.57)

STATION 107.80 (Interpolated Values at Standard Depths)

CREST: 28°53'N 119°27.5'W; April 11, 1952; 2343 GCT; wire angle: 10°;
sounding: 2,000 fms; depth of observation: 586 m; weather: partly cloudy;
sea: very rough; wind: 330°, force 4

00	15.5	33.33	24.596	335.09	0.0000	5.73
10	15.32	33.35	24.651	330.13	0.0334	5.75
20	15.1	33.34	24.691	326.57	0.0664	5.75
30	15.1	33.33	24.684	327.58	0.0992	5.76
50	14.8	33.39	24.795	317.55	0.1640	5.77
75	14.5	33.30	24.790	318.69	0.2440	5.80
100	12.6	33.22	25.113	288.24	0.3204	5.63
150	9.91	33.51	25.825	221.19	0.4486	4.33
200	9.08	33.97	26.319	175.02	0.5484	3.21
250	8.64	34.15	26.530	155.88	0.6317	2.40
300	8.66	34.31	26.652	145.29	0.7076	1.15
400	7.36	34.34	26.869	125.51	0.8441	0.54
500	6.58	34.39	27.016	112.47	0.9641	0.36
600	(5.91)	(34.42)	(27.127)	(102.57)	(1.0726)	-

STATION 110.33 (Interpolated Values at Standard Depths) 44

CREST: 29°49.5'N 115°54'W; April 13, 1952; 0622 GCT; wire angle: 16°;
sounding: 60 fms; depth of observation: 72 m; weather: overcast;
sea: slight; wind: 010°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma$	ΔD (dyn.m.)	O ₂ (ml/L)
00	13.82	33.28	24.916	304.61	0.0000	6.15
10	13.79	33.33	24.961	300.62	0.0304	6.24
20	13.0	33.28	25.082	289.36	0.0600	6.14
30	11.34	33.57	25.621	238.20	0.0865	3.90
50	10.93	33.66	25.765	224.96	0.1330	3.31
75	(10.35)	(33.79)	(25.968)	(206.17)	(0.1872)	(2.85)

STATION 110.35 (Interpolated Values at Standard Depths)

CREST: 29°46.5'N 116°00'W; April 13, 1952; 0747 GCT; wire angle: 28°;
sounding: 700 fms; depth of observation: 874 m; weather: cloudy;
sea: slight; wind: 340°, force 4

00	14.69	33.25	24.711	324.18	0.0000	6.04
10	14.6	33.30	24.768	318.95	0.0323	6.11
20	14.6	33.26	24.738	322.16	0.0645	6.00
30	14.6	33.27	24.745	321.69	0.0968	6.14
50	12.6	33.38	25.237	275.28	0.1568	6.20
75	10.6	33.73	25.878	214.76	0.2184	2.93
100	10.5	33.95	26.066	197.39	0.2702	1.95
150	10.05	34.15	26.300	176.23	0.3642	1.61
200	9.74	34.30	26.469	161.15	0.4492	1.15
250	9.26	34.36	26.595	150.02	0.5276	0.74
300	8.52	34.41	26.752	135.76	0.5996	0.54
400	7.54	34.42	26.906	122.19	0.7296	0.50
500	6.55	34.40	27.028	111.28	0.8473	0.31
600	5.94	34.40	27.107	104.44	0.9561	0.29
700	5.18	34.42	27.216	94.35	1.0564	0.33
800	4.70	34.42	27.271	89.42	1.1492	0.41
1000	(4.10)	(34.42)	(27.336)	(83.99)	(1.3245)	-

STATION 110.40 (Interpolated Values at Standard Depths) 45

CREST: 29°36.5'N 116°19.5'W; April 13, 1952; 1057 GCT; wire angle: 17°;
sounding: 1,300 fms; depth of observation: 613 m; weather: cloudy;
sea: slight; 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	15.3	33.24	24.571	337.48	0.0000	5.84
10	15.3	33.26	24.586	336.30	0.0338	5.86
20	15.1	33.31	24.668	328.76	0.0672	5.97
30	15.0	33.30	24.682	327.69	0.1002	5.96
50	13.0	33.22	25.035	294.51	0.1627	5.62
75	10.6	33.39	25.613	239.86	0.2299	4.40
100	10.2	33.62	25.861	216.78	0.2873	3.58
150	9.35	33.94	26.252	180.50	0.3873	2.81
200	8.73	34.17	26.531	154.85	0.4717	1.94
250	8.32	34.43	26.798	130.34	0.5435	1.36
300	7.95	34.31	26.760	134.62	0.6102	0.94
400	7.20	34.38	26.923	120.29	0.7387	0.54
500	6.34	34.36	27.024	111.40	0.8555	0.37
600	5.56	34.34	27.107	103.93	0.9641	0.30

STATION 110.50 (Interpolated Values at Standard Depths)

CREST: 29°16.5'N 116°59'W; April 13, 1952; 1610 GCT; wire angle: 28°;
sounding: 1,700 fms; depth of observation: 1,099 m; weather: cloudy;
sea: moderate; wind: 340°, force 4

00	15.2	33.31	24.647	330.27	0.0000	5.83
10	15.1	33.31	24.668	328.48	0.0331	5.88
20	15.1	33.37	24.715	324.37	0.0659	5.87
30	15.0	33.37	24.736	322.57	0.0984	5.88
50	14.0	33.37	24.948	302.87	0.1613	5.88
75	12.3	33.37	25.287	271.08	0.2334	5.11
100	10.8	33.51	25.672	234.90	0.2971	4.00
150	9.74	33.86	26.126	192.60	0.4047	3.13
200	9.09	34.07	26.396	167.78	0.4954	2.42
250	8.59	34.15	26.537	155.12	0.5767	1.73
300	8.18	34.27	26.694	140.98	0.6513	1.22
400	7.13	34.32	26.886	123.74	0.7847	0.65
500	6.40	34.31	26.977	115.90	0.9056	0.41
600	5.81	34.37	27.100	104.96	1.0170	0.36
700	5.22	34.41	27.203	95.60	1.1182	0.34
800	4.71	34.44	27.286	88.07	1.2110	0.40
1000	4.01	34.49	27.401	77.72	1.3786	0.60

STATION 110.60 (Interpolated Values at Standard Depths) 46

CREST: 28°53.5'N 117°38'W; April 13, 1952; 2113 GCT; wire angle: 19°;
sounding: 1,950 fms; depth of observation: 608 m; weather: overcast;
sea: moderate; wind: 330°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.0	33.55	24.653	329.67	0.0000	5.74
10	15.9	33.51	24.645	330.73	0.0332	5.73
20	15.9	33.55	24.675	328.12	0.0663	5.70
30	15.8	33.55	24.698	326.26	0.0991	5.70
50	15.5	33.55	24.765	320.45	0.1641	5.71
75	15.2	33.51	24.800	317.76	0.2443	5.70
100	13.8	33.44	25.044	295.09	0.3214	5.34
150	11.41	33.98	25.927	211.97	0.4490	2.50
200	10.37	34.18	26.268	180.41	0.5478	1.81
250	9.34	34.25	26.496	159.40	0.6334	1.54
300	8.84	34.25	26.576	152.50	0.7120	1.35
400	7.47	34.29	26.814	130.79	0.8548	0.75
500	6.56	34.30	26.948	118.81	0.9807	0.44
600	5.96	34.38	27.089	106.19	1.0942	0.30

STATION 110.70 (Interpolated Values at Standard Depths)

CREST: 28°36'N 118°18'W; April 14, 1952; 0211 GCT; wire angle: 20°;
sounding: 1,800 fms; depth of observation: 1,188 m; weather: partly cloudy;
sea: rough; wind: 330°, force 4

00	16.0	33.51	24.622	332.60	0.0000	5.68
10	16.0	33.51	24.622	332.90	0.0334	5.45
20	16.0	33.51	24.622	333.19	0.0668	5.69
30	15.9	33.51	24.645	331.32	0.1002	5.73
50	15.3	33.49	24.763	320.61	0.1657	5.74
75	15.3	33.46	24.740	323.51	0.2467	5.77
100	14.0	33.31	24.902	308.57	0.3262	5.74
150	11.01	33.51	25.634	239.57	0.4642	4.20
200	9.97	33.80	26.041	201.77	0.5753	3.41
250	8.93	34.06	26.414	166.99	0.6682	2.45
300	8.03	34.09	26.576	152.06	0.7486	2.27
400	6.97	34.23	26.837	128.17	0.8898	0.86
500	6.35	34.33	26.999	113.75	1.0118	0.44
600	5.94	34.39	27.099	105.18	1.1223	0.35
700	5.39	34.43	27.199	96.29	1.2240	0.36
800	4.82	34.45	27.281	88.70	1.3174	0.41
1000	4.12	34.51	27.405	77.59	1.4855	0.59

STATION 110.80 (Interpolated Values at Standard Depths) 47

CREST: 28°16.5'N 118°57.5'W; April 14, 1952; 0730 GCT; wire angle: 14°;
 sounding: 2,050 fms; depth of observation: 624 m; weather: partly cloudy;
 sea: rough; wind: 360°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma_s$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.2	33.60	24.646	330.35	0.0000	5.66
10	16.15	33.60	24.657	329.56	0.0331	5.66
20	16.1	33.60	24.669	328.78	0.0661	5.66
30	16.1	33.62	24.684	327.61	0.0991	5.67
50	16.0	33.64	24.722	324.57	0.1646	5.70
75	15.5	33.64	24.834	314.59	0.2449	5.70
100	14.5	33.53	24.967	302.53	0.3225	5.37
150	11.16	33.72	25.770	226.71	0.4557	3.63
200	10.51	34.18	26.244	182.78	0.5588	2.00
250	9.63	34.31	26.495	159.65	0.6450	1.46
300	8.97	34.37	26.650	145.68	0.7219	0.96
400	8.05	34.39	26.808	131.92	0.8618	0.49
500	6.88	34.38	26.968	117.33	0.9875	0.38
600	5.97	34.40	27.104	104.84	1.0996	0.29

STATION 110.90 (Interpolated Values at Standard Depths)

CREST: 27°57.5'N 119°35'W; April 14, 1952; 1241, 1307 GCT; wire angle:
 15°, 18°; sounding: 2,100 fms; depth of observation: 241, 1,123 m;
 weather: partly cloudy; sea: rough; wind: 360°, force 5

00	16.3	33.66	24.669	328.15	0.0000	5.45
10	16.3	33.66	24.669	328.45	0.0330	5.58
20	16.2	33.69	24.715	324.39	0.0658	5.60
30	16.2	33.69	24.715	324.68	0.0984	5.58
50	16.2	33.68	24.707	325.99	0.1638	5.56
75	15.6	33.68	24.842	313.80	0.2442	5.55
100	15.4	33.62	24.841	314.64	0.3233	5.19
150	12.01	33.91	25.761	227.90	0.4599	3.02
200	11.31	34.25	26.155	191.51	0.5655	1.61
250	10.56	34.41	26.414	167.81	0.6560	1.09
300	9.81	34.45	26.574	153.31	0.7369	0.77
400	8.29	34.42	26.795	133.33	0.8814	0.51
500	7.20	34.42	26.955	118.89	1.0086	0.42
600	6.42	34.43	27.069	108.70	1.1234	0.46
700	5.56	34.45	27.194	97.01	1.2272	0.30
800	4.85	34.46	27.286	88.33	1.3208	0.30
1000	4.16	34.48	27.377	80.29	1.4913	0.57

STATION 113.30 (Interpolated Values at Standard Depths) 48

BLACK DOUGLAS: 29°22.5'N 115°17.5'W; April 15, 1952; 1640 GCT;
wire angle: 0°; sounding: 32 fms; depth of observation: 50 m;
weather: overcast; sea: moderate; wind: 320°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0 0	12.61	33.62	25.421	256.59	0.0000	5.24
1 0	12.44	33.71	25.523	247.08	0.0253	5.24
2 0	12.2	33.62	25.500	249.56	0.0502	4.70
3 0	12.14	33.64	25.527	247.24	0.0751	4.39
5 0	11.46	33.73	25.724	228.96	0.1230	2.78

STATION 113.35 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 29°12'N 115°39'W; April 15, 1952; 1210 GCT;
wire angle: 26°; sounding: 600 fms; depth of observation: 542 m;
weather: overcast; sea: very rough; wind: 320°, force 4

0 0	14.6	33.31	24.776	31.795	0.0000	6.77
1 0	14.5	33.30	24.790	31.694	0.0319	6.69
2 0	14.5	33.31	24.797	31.647	0.0637	6.73
3 0	14.5	33.32	24.805	31.601	0.0955	6.80
5 0	14.0	33.35	24.933	30.433	0.1578	6.78
7 5	10.9	33.40	25.568	24.417	0.2267	5.17
1 0 0	10.2	33.61	25.854	21.751	0.2848	4.53
1 5 0	9.28	33.99	26.303	17.571	0.3838	3.26
2 0 0	9.16	34.30	26.564	15.189	0.4663	1.47
2 5 0	8.65	34.33	26.669	14.273	0.5405	1.20
3 0 0	8.17	34.35	26.758	13.491	0.6104	1.05
4 0 0	7.44	34.40	26.905	12.222	0.7400	0.53
5 0 0	6.52	34.39	27.024	11.161	0.8579	0.40

STATION 113.40 (Interpolated Values at Standard Depths) 49

BLACK DOUGLAS: 29°02'N 115°58.5'W; April 15, 1952; 0655 GCT;
wire angle: 20°; sounding: 950 fms; depth of observation: 607 m;
weather: partly cloudy; sea: rough; wind: 330°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.3	33.42	24.709	324.32	0.0000	6.71
10	15.3	33.42	24.709	324.60	0.0326	6.69
20	15.3	33.42	24.709	324.89	0.0652	6.67
30	15.2	33.41	24.723	323.80	0.0978	6.68
50	14.2	33.39	24.922	305.39	0.1610	6.79
75	11.6	33.40	25.442	256.29	0.2316	5.29
100	10.5	33.57	25.771	225.42	0.2922	4.60
150	9.47	33.91	26.210	184.60	0.3954	3.46
200	8.90	34.07	26.426	164.84	0.4834	2.78
250	8.51	34.19	26.581	150.94	0.5629	2.13
300	7.87	34.19	26.678	142.33	0.6368	1.93
400	7.12	34.31	26.879	124.34	0.7712	0.72
500	6.37	34.38	27.036	110.31	0.8895	0.46
600	5.67	34.40	27.141	100.91	0.9961	0.40

STATION 113.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°21'N 117°18.5'W; April 14, 1952; 1414 GCT;
wire angle: 22°; sounding: 2,100 fms; depth of observation: 571 m;
weather: cloudy; sea: very rough; wind: 340°, force 6

00	15.3	(33.40)	(24.694)	(325.78)	(0.0000)	6.66
10	15.4	33.40	24.672	328.16	0.0328	6.67
20	15.3	33.40	24.694	326.35	0.0657	6.81
30	15.3	33.38	24.678	328.10	0.0986	6.83
50	14.4	33.29	24.803	316.73	0.1634	6.82
75	13.4	33.25	24.979	300.58	0.2410	6.32
100	12.5	33.24	25.148	284.92	0.3147	6.62
150	10.45	33.68	25.865	217.53	0.4412	4.47
200	9.04	33.95	26.310	175.87	0.5403	3.58
250	8.70	34.16	26.528	156.06	0.6239	2.57
300	7.84	34.18	26.674	142.63	0.6991	1.58
400	7.10	34.28	26.859	126.28	0.8346	0.79
500	6.50	34.34	26.987	115.04	0.9563	0.50

STATION 113.70 (Interpolated Values at Standard Depths) 50

BLACK DOUGLAS: 28°02'N 117°55.5'W; April 14, 1952; 0743 GCT;
wire angle: 18°; sounding: 1,810 fms; depth of observation: 566 m;
weather: cloudy; sea: rough; wind: 340°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.8	33.52	24.675	327.58	0.0000	6.52
10	15.8	33.49	24.652	330.06	0.0330	6.55
20	15.8	33.49	24.652	330.35	0.0662	6.50
30	15.8	33.49	24.652	330.64	0.0994	6.56
50	15.2	33.45	24.754	321.44	0.1649	6.71
75	14.2	33.39	24.922	306.05	0.2438	6.50
100	13.4	33.32	25.033	296.07	0.3195	5.18
150	10.37	33.63	25.840	219.88	0.4494	3.38
200	9.47	34.05	26.319	175.25	0.5489	2.26
250	8.73	34.07	26.453	163.17	0.6341	1.70
300	8.42	34.04	26.477	161.57	0.7159	1.23
400	7.72	34.35	26.825	129.98	0.8628	0.67
500	6.70	34.37	26.984	115.55	0.9866	0.39

STATION 117.26 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°56'N 114°41'W; April 13, 1952; 0002 GCT;
wire angle: 4°; sounding: 40 fms; depth of observation: 50 m;
weather: cloudy; sea: moderate; wind: 300°, force 5

00	14.99	33.62	24.931	303.24	0.0000	6.83
10	14.9	33.60	24.935	303.13	0.0304	6.87
20	14.3	33.57	25.040	293.40	0.0603	7.02
30	12.56	33.57	25.392	260.09	0.0881	5.21
50	10.96	33.64	25.744	226.95	0.1370	4.06

STATION 117.30 (Interpolated Values at Standard Depths) 51

BLACK DOUGLAS: 28°48'N 114°56.5'W; April 13, 1952; 0244 GCT;
wire angle: 5°; sounding: 57 fms; depth of observation: 75 m;
weather: cloudy; 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	15.34	33.60	24.839	311.99	0.0000	6.75
10	15.34	33.63	24.862	310.09	0.0312	6.76
20	14.14	33.58	25.081	289.46	0.0613	6.98
30	12.86	33.60	25.356	263.48	0.0891	6.00
50	11.04	33.73	25.800	221.67	0.1379	3.86
75	9.82	33.82	26.081	195.33	0.1903	3.77

STATION 117.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°28'N 115°35.5'W; April 13, 1952; 0838 GCT;
wire angle: 0°; sounding: 530 fms; depth of observation: 587 m;
weather: overcast; sea: rough; wind: 300°, force 3

00	15.2	33.39	24.708	324.42	0.0000	6.63
10	15.18	33.35	24.682	327.21	0.0327	6.69
20	15.0	33.34	24.713	324.50	0.0654	6.78
30	14.5	33.32	24.805	316.01	0.0976	6.88
50	13.9	33.31	24.923	305.28	0.1600	6.93
75	13.0	33.39	25.167	282.65	0.2339	6.56
100	11.0	33.45	25.590	242.73	0.3000	6.33
150	10.54	34.02	26.114	193.99	0.4099	2.79
200	9.94	34.37	26.490	159.26	0.4988	1.43
250	9.50	34.43	26.610	148.69	0.5763	0.87
300	8.63	34.45	26.766	134.49	0.6476	0.69
400	7.33	34.35	26.881	124.35	0.7781	0.61
500	6.44	34.37	27.019	112.00	0.8973	0.45
600	(5.76)	(34.45)	(27.169)	(98.38)	(1.0034)	-

STATION 117.50 (Interpolated Values at Standard Depths) 52

BLACK DOUGLAS: 28°09'N 116°16.5'W; April 13, 1952; 1439 GCT;
wire angle: 14°; sounding: 2,300 fms; depth of observation: 565 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	16.0	33.51	24.622	332.60	0.0000	6.43
10	16.08	33.51	24.604	334.62	0.0335	6.48
20	16.0	33.51	24.622	333.19	0.0670	6.53
30	15.7	33.51	24.690	327.05	0.1001	6.56
50	15.3	33.53	24.794	317.69	0.1649	6.55
75	15.1	33.34	24.691	328.10	0.2461	6.82
100	12.9	33.55	25.310	269.65	0.3213	5.57
150	10.91	33.92	25.971	207.65	0.4414	3.33
200	9.91	34.09	26.277	179.41	0.5389	2.58
250	10.05	34.41	26.502	159.19	0.6242	0.97
300	9.29	34.43	26.645	146.32	0.7012	0.78
400	7.83	34.40	26.848	127.90	0.8394	0.50
500	6.79	34.39	26.988	115.33	0.9621	0.34

STATION 117.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°47'N 116°56'W; April 13, 1952; 2025 GCT;
wire angle: 18°; sounding: 1,900 fms; depth of observation: 596 m;
weather: partly cloudy; sea: rough; wind: 340°, force 3

00	16.3	33.53	24.569	337.63	0.0000	6.53
10	16.3	33.53	24.569	337.94	0.0339	6.51
20	16.2	33.53	24.592	336.05	0.0677	6.50
30	16.2	33.53	24.592	336.35	0.1015	6.57
50	15.0	33.44	24.790	318.01	0.1673	6.79
75	14.4	33.39	24.880	310.07	0.2462	6.67
100	13.1	33.43	25.178	282.25	0.3207	5.95
150	10.23	33.71	25.926	211.66	0.4450	4.27
200	10.42	34.30	26.353	172.42	0.5417	1.67
250	9.60	34.39	26.563	153.26	0.6237	1.14
300	9.10	34.43	26.676	143.29	0.6984	0.71
400	7.80	34.42	26.868	125.98	0.8341	0.45
500	6.78	34.40	26.997	114.45	0.9553	0.35
600	(5.95)	(34.38)	(27.090)	(106.06)	(1.0665)	(0.31)

STATION 117.70 (Interpolated Values at Standard Depths) 53

BLACK DOUGLAS: 27°27.5'N 117°32.5'W; April 14, 1952; 0119 GCT;
wire angle: 18°; sounding: 2,140 fms; depth of observation: 552 m;
weather: cloudy; sea: rough; wind: 340°, force 5

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.4	33.58	24.585	336.18	0.0000	6.50
10	16.3	33.59	24.615	333.56	0.0336	6.51
20	16.3	33.64	24.654	330.22	0.0669	6.47
30	16.4	33.63	24.623	333.43	0.1002	6.48
50	15.0	33.46	24.805	316.56	0.1655	6.62
75	14.1	33.41	24.958	302.59	0.2433	6.66
100	11.5	33.54	25.569	244.79	0.3122	4.86
150	10.25	33.95	26.110	194.29	0.4227	3.01
200	9.28	34.16	26.436	164.12	0.5129	2.42
250	8.83	34.29	26.609	148.46	0.5916	1.50
300	8.62	34.37	26.705	140.24	0.6643	1.07
400	7.47	34.38	26.885	124.14	0.7975	0.67
500	6.62	34.38	27.003	113.72	0.9175	0.43

STATION 120.25 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°23'N 114°14.5'W; April 12, 1952; 1845 GCT;
wire angle: 0°; sounding: 24 fms; depth of observation: 30 m;
weather: partly cloudy; sea: moderate; wind: 300°, force 3

00	15.94	33.62	24.720	323.27	0.0000	6.75
10	15.72	33.62	24.770	318.86	0.0322	6.73
20	15.32	33.62	24.858	310.69	0.0638	6.85
30	14.14	33.62	25.112	286.80	0.0938	6.56

STATION 120.30 (Interpolated Values at Standard Depths) 54

BLACK DOUGLAS: 28°13'N 114°34'W; April 12, 1952; 1539 GCT;
wire angle: 0°; sounding: 53 fms; depth of observation: 50 m;
weather: cloudy; sea: moderate; wind: 330°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.18	33.51	24.805	315.22	0.0000	6.87
10	15.17	33.48	24.784	317.50	0.0318	6.90
20	14.64	33.44	24.868	309.79	0.0633	6.98
30	13.95	33.53	25.082	289.63	0.0934	6.89
50	12.22	33.62	25.496	250.64	0.1477	4.37

STATION 120.35 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 28°03'N 114°54'W; April 12, 1952; 1253 GCT;
wire angle: 0°; sounding: 45 fms; depth of observation: 50 m;
weather: cloudy; sea: moderate; wind: 320°, force 2

00	15.48	33.53	24.754	320.05	0.0000	6.65
10	15.48	33.53	24.754	320.34	0.0321	6.70
20	15.49	33.53	24.752	320.84	0.0643	6.73
30	15.38	33.53	24.776	318.81	0.0964	6.74
50	14.66	33.60	24.986	299.31	0.1585	6.57

STATION 120.45 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°43'N 115°33'W; April 12, 1952; 0651 GCT;
wire angle: 4°; sounding: 1,150 fms; depth of observation: 1,162 m;
weather: partly cloudy; sea: rough; wind: 330°, force 3

00	16.2	33.61	24.653	329.62	0.0000	6.54
10	16.28	33.62	24.643	330.94	0.0332	6.56
20	16.2	33.61	24.653	330.22	0.0664	6.59
30	14.6	33.58	24.984	299.00	0.0980	6.67
50	13.5	33.42	25.089	289.40	0.1571	6.94
75	11.6	33.56	25.566	244.51	0.2242	4.84
100	10.8	33.70	25.819	220.89	0.2827	4.16
150	9.94	34.13	26.303	175.92	0.3826	2.70
200	10.24	34.42	26.477	160.55	0.4673	1.11
250	9.80	34.40	26.537	155.80	0.5470	1.02
300	8.40	34.37	26.739	136.89	0.6207	0.89
400	7.24	34.34	26.886	123.81	0.7521	0.57
500	6.49	34.42	27.052	108.98	0.8695	0.33
600	5.81	34.42	27.139	101.25	0.9756	0.31
700	5.24	34.42	27.209	95.10	1.0747	0.39
800	4.78	34.44	27.278	88.94	1.1677	0.47
1000	4.13	34.50	27.396	78.45	1.3369	0.63

STATION 120.50 (Interpolated Values at Standard Depths) 55

BLACK DOUGLAS: 27°31.5'N 115°53.5'W; April 12, 1952; 0307 GCT;
wire angle: 6°; sounding: 2,100 fms; depth of observation: 579 m;
weather: partly cloudy; sea: rough; wind: 330°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 s$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.2	33.68	24.707	324.51	0.0000	6.72
10	16.14	33.68	24.721	323.52	0.0325	6.79
20	15.2	33.70	24.946	302.32	0.0639	6.57
30	14.0	33.74	25.233	275.22	0.0929	6.12
50	11.7	33.80	25.733	228.04	0.1435	4.14
75	10.5	34.03	26.129	190.95	0.1962	2.84
100	10.2	34.14	26.266	178.39	0.2427	2.33
150	10.12	34.41	26.490	158.22	0.3274	1.02
200	9.20	34.44	26.667	142.18	0.4030	0.96
250	8.51	34.36	26.714	133.39	0.4736	1.13
300	8.23	34.36	26.757	135.08	0.5425	0.72
400	7.36	34.40	26.916	121.07	0.6716	0.40
500	6.43	34.43	27.068	107.42	0.7868	0.32
600	(5.73)	(34.40)	(27.134)	(101.70)	(0.8923)	-

STATION 120.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°13'N 116°31.5'W; April 11, 1952; 2049 GCT;
wire angle: 10°; sounding: 2,060 fms; depth of observation: 1,138 m;
weather: partly cloudy; sea: rough; wind: 300°, force 4

00	16.4	33.49	24.516	342.74	0.0000	6.50
10	16.25	33.49	24.550	339.77	0.0343	6.54
20	16.1	33.49	24.584	336.81	0.0683	6.55
30	15.8	33.49	24.652	330.64	0.1018	6.52
50	15.1	33.49	24.807	316.43	0.1668	6.50
75	14.6	33.46	24.891	309.01	0.2454	6.63
100	12.5	33.35	25.233	276.83	0.3191	6.01
150	10.10	33.83	26.042	200.67	0.4393	3.93
200	9.70	34.13	26.343	173.04	0.5334	2.47
250	9.57	34.36	26.544	154.99	0.6160	1.30
300	9.39	34.43	26.628	147.93	0.6923	0.73
400	7.93	34.43	26.857	127.17	0.8310	0.51
500	7.06	34.43	26.982	116.16	0.9537	0.34
600	6.01	34.43	27.122	103.16	1.0643	0.32
700	5.37	34.45	27.217	94.55	1.1641	0.39
800	4.94	34.48	27.291	87.99	1.2563	0.50
1000	4.03	34.53	27.431	75.01	1.4211	0.64

STATION 120.70 (Interpolated Values at Standard Depths) 56

BLACK DOUGLAS: 26°52.5'N 117°10'W; April 11, 1952; 1442 GCT;
wire angle: 22°; sounding: 2,020 fms; depth of observation: 592 m;
weather: partly cloudy; sea: very rough; wind: 320°, force 6

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.2	33.62	24.661	328.89	0.0000	6.50
10	16.2	33.54	24.500	335.03	0.0333	6.50
20	16.1	33.49	24.584	336.81	0.0670	6.56
30	15.1	33.48	24.799	316.60	0.0998	6.56
50	14.9	33.51	24.865	310.83	0.1629	6.55
75	14.4	33.51	24.972	301.29	0.2398	6.61
100	13.0	33.41	25.182	281.81	0.3132	5.65
150	11.04	33.83	25.878	216.52	0.4386	3.57
200	10.47	34.23	26.290	178.41	0.5380	2.01
250	10.28	34.45	26.494	160.10	0.6232	1.15
300	9.71	34.51	26.638	147.24	0.7006	0.67
400	8.53	34.51	26.828	130.38	0.8405	0.37
500	7.59	34.51	26.970	117.93	0.9657	0.23
600	(6.80)	(34.51)	(27.081)	(108.09)	(1.0797)	(0.18)

STATION 120.80 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°32.5'N 117°48.5'W; April 11, 1952; 0829 GCT;
wire angle: 19°; sounding: 2,150 fms; depth of observation: 1,172 m;
weather: intermittent light rain; sea: very rough; wind: 300°, force 4

00	16.5	33.58	24.562	338.37	0.0000	6.52
10	16.5	33.57	24.554	339.40	0.0340	6.48
20	16.5	33.57	24.554	339.70	0.0681	6.57
30	16.4	33.57	24.577	337.80	0.1021	6.60
50	15.7	33.57	24.736	323.23	0.1685	6.60
75	15.3	33.58	24.832	314.75	0.2487	6.58
100	15.3	33.89	25.070	292.83	0.3251	6.57
150	10.90	33.68	25.786	225.15	0.4555	4.71
200	9.73	34.07	26.291	177.95	0.5570	3.00
250	8.65	34.16	26.536	155.29	0.6409	2.39
300	8.01	34.18	26.649	145.11	0.7166	2.13
400	7.00	34.26	26.857	126.36	0.8534	1.22
500	6.33	34.34	27.010	112.74	0.9740	0.51
600	5.90	34.43	27.136	101.69	1.0822	0.37
700	5.30	34.45	27.225	93.65	1.1808	0.38
800	4.76	34.48	27.312	85.73	1.2714	0.45
1000	4.08	34.56	27.449	73.40	1.4323	(0.62)

STATION 120.90 (Interpolated Values at Standard Depths) 57

BLACK DOUGLAS: 26°12'N 118°25'W; April 11, 1952; 0228 GCT;
wire angle: 20°; sounding: 2,240 fms; depth of observation: 576 m;
weather: partly cloudy; sea: very rough; wind: 260°, force 7

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	17.2	33.77	24.543	340.12	0.0000	6.45
10	17.2	33.77	24.543	340.43	0.0342	6.36
20	17.3	33.82	24.558	339.37	0.0683	6.34
30	17.2	33.84	24.597	335.96	0.1022	6.37
50	16.6	33.84	24.738	323.13	0.1684	6.40
75	16.2	33.86	24.845	313.62	0.2484	6.33
100	13.2	33.60	25.289	271.69	0.3220	5.67
150	10.20	33.92	26.095	195.68	0.4396	3.93
200	9.57	34.04	26.294	177.59	0.5336	3.13
250	9.29	34.22	26.481	160.82	0.6183	2.08
300	8.61	34.30	26.652	145.26	0.6959	1.34
400	7.50	34.37	26.873	125.31	0.8323	0.67
500	6.73	34.40	27.004	113.76	0.9529	0.42

STATION 123.37 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 27°24'N 114°41'W; April 9, 1952; 2010 GCT;
wire angle: 3°; sounding: 39 fms; depth of observation: 50 m;
weather: cloudy; sea: moderate; wind: 280°, force 3

00	14.24	33.75	25.191	278.47	0.0000	7.51
10	13.4	33.77	25.380	260.76	0.0271	6.53
20	11.74	33.71	25.656	234.68	0.0520	4.51
30	11.46	33.82	25.793	221.87	0.0749	3.71
50	11.43	34.00	25.939	208.54	0.1182	2.66

STATION 123.40 (Interpolated Values at Standard Depths) 58

BLACK DOUGLAS: 27°18'N 114°51.5'W; April 9, 1952; 2227 GCT;
wire angle: 25°; sounding: 280 fms; depth of observation: 371 m;
weather: cloudy; sea: moderate; wind: 300°, force 3

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \sigma$	ΔD (dyn.m.)	O ₂ (ml/L)
00	14.8	33.55	24.918	304.45	0.0000	6.89
10	14.6	33.55	24.961	300.66	0.0304	6.86
20	12.9	33.50	25.271	271.32	0.0591	6.30
30	12.1	33.50	25.426	256.82	0.0856	5.34
50	11.3	33.75	25.768	224.68	0.1340	4.27
75	11.0	33.87	25.916	211.23	0.1888	3.45
100	11.0	34.23	26.195	185.26	0.2387	2.32
150	10.68	34.43	26.408	166.16	0.3272	1.03
200	9.78	34.43	26.564	152.21	0.4074	0.99
250	9.52	34.51	26.669	143.12	0.4818	0.72
300	8.97	34.51	26.759	135.35	0.5519	0.43

STATION 123.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°58'N 115°30.5'W; April 10, 1952; 0417 GCT;
wire angle: 13°; sounding: 2,000 fms; depth of observation: 562 m;
weather: cloudy; sea: moderate; wind: 300°, force 3

00	15.8	33.55	24.698	325.39	0.0000	6.61
10	15.92	33.57	24.686	326.79	0.0327	6.59
20	16.2	33.53	24.592	336.05	0.0660	6.60
30	16.0	33.49	24.607	334.94	0.0997	6.64
50	14.7	33.39	24.816	315.49	0.1651	6.69
75	13.3	33.30	25.037	294.98	0.2418	6.49
100	11.6	33.41	25.450	256.12	0.3111	5.10
150	10.48	34.11	26.194	186.35	0.4225	2.51
200	9.92	34.28	26.423	165.56	0.5111	1.72
250	9.00	34.33	26.614	148.14	0.5901	1.39
300	8.43	34.36	26.726	138.08	0.6622	1.04
400	7.56	34.42	26.903	122.48	0.7935	0.41
500	6.42	34.38	27.030	111.00	0.9112	0.40

STATION 123.60 (Interpolated Values at Standard Depths) 59

BLACK DOUGLAS: 26°38.5'N 116°09'W; April 10, 1952; 0958 GCT;
 wire angle: 4°; sounding: 2,140 fms; depth of observation: 586 m;
 weather: cloudy; sea: moderate; wind: 260°, force 1

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.5	33.64	24.608	333.99	0.0000	6.43
10	16.5	33.64	24.608	334.29	0.0335	6.44
20	16.4	33.67	24.654	330.21	0.0669	6.43
30	16.3	33.68	24.684	327.59	0.0999	6.44
50	15.3	33.61	24.855	311.84	0.1642	6.55
75	14.8	33.53	24.902	307.99	0.2421	6.54
100	13.4	33.51	25.179	282.14	0.3163	5.53
150	10.97	33.84	25.898	214.58	0.4413	3.37
200	9.76	34.21	26.395	168.11	0.5377	2.12
250	9.50	34.39	26.579	151.64	0.6182	1.12
300	8.97	34.42	26.689	141.99	0.6922	0.82
400	7.84	34.41	26.855	127.31	0.8279	0.47
500	6.60	34.38	27.006	113.44	0.9493	0.40
600	(5.80)	(34.42)	(27.141)	(101.12)	(1.0575)	-

STATION 127.34 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°55.5'N 114°06'W; April 9, 1952; 1457 GCT;
 wire angle: 0°; sounding: 43 fms; depth of observation: 50 m;
 weather: cloudy; sea: moderate; wind: 360°, force 3

00	13.84	33.78	25.297	268.32	0.0000	6.04
10	13.82	33.78	25.302	268.21	0.0269	6.03
20	13.74	33.78	25.318	266.90	0.0538	5.81
30	13.61	33.78	25.345	264.62	0.0805	5.67
50	12.21	33.80	25.637	237.23	0.1309	3.45

STATION 127.40 (Interpolated Values at Standard Depths) 60

BLACK DOUGLAS: 26°43.5'W; 114°29.5'W; April 9, 1952; 1122 GCT;
wire angle: 3°; sounding: 1,720 fms; depth of observation: 634 m;
weather: overcast; sea: rough; wind: 320°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.1	33.58	24.876	308.45	0.0000	6.87
10	15.09	33.57	24.870	309.25	0.0310	6.87
20	14.8	33.57	24.933	303.55	0.0618	6.60
30	13.6	33.59	25.200	278.36	0.0910	6.17
50	11.9	33.66	25.588	241.92	0.1433	4.78
75	11.1	33.92	25.937	209.26	0.2000	3.56
100	10.5	34.06	26.152	189.28	0.2501	2.69
150	10.54	34.40	26.410	165.99	0.3395	1.37
200	9.95	34.43	26.535	154.99	0.4203	0.91
250	9.28	34.50	26.701	140.01	0.4946	0.78
300	8.72	34.45	26.752	135.88	0.5641	0.52
400	7.53	34.36	26.861	126.48	0.6963	0.41
500	6.52	34.41	27.040	110.13	0.8156	0.33
600	5.80	34.45	27.164	98.90	0.9211	0.29

STATION 127.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°23.5'W; 115°08'W; April 9, 1952; 0459 GCT;
wire angle: 22°; sounding: 1,900 fms; depth of observation: 517 m;
weather: cloudy; sea: rough; wind: 320°, force 4

00	16.8	33.87	24.714	323.85	0.0000	6.39
10	16.8	33.89	24.729	322.71	0.0325	6.43
20	16.8	33.89	24.729	323.02	0.0649	6.41
30	16.7	33.89	24.753	321.10	0.0972	6.40
50	16.5	33.88	24.791	318.00	0.1614	6.40
75	15.9	33.74	24.821	315.85	0.2411	6.11
100	12.6	33.65	25.446	256.67	0.3131	5.13
150	10.18	34.03	26.184	187.23	0.4248	3.18
200	9.39	34.27	26.504	157.74	0.5117	1.98
250	9.27	34.33	26.570	152.40	0.5898	1.28
300	8.92	34.47	26.736	137.51	0.6628	0.73
400	7.94	34.46	26.879	125.11	0.7952	0.37
500	6.89	34.43	27.006	113.76	0.9157	0.29

STATION 127.60 (Interpolated Values at Standard Depths) 61

BLACK DOUGLAS: 26°04'N 115°46'W; April 8, 1952; 2314 GCT;
wire angle: 16°; sounding: 2,100 fms; depth of observation: 554 m;
weather: partly cloudy; sea: moderate; wind: 320°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (ng/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	17.2	33.89	24.635	331.38	0.0000	6.87
10	17.12	33.87	24.639	331.34	0.0333	6.85
20	17.0	33.89	24.682	327.49	0.0664	6.88
30	16.9	33.89	24.706	325.56	0.0992	6.90
50	16.6	33.84	24.738	323.13	0.1644	6.90
75	16.4	33.83	24.776	320.19	0.2453	6.91
100	13.4	33.67	25.303	270.42	0.3196	5.62
150	10.53	33.87	25.999	204.87	0.4392	3.80
200	9.37	34.11	26.382	169.23	0.5334	2.99
250	8.91	34.28	26.589	150.42	0.6139	2.23
300	8.59	34.35	26.694	141.26	0.6874	1.71
400	7.49	34.38	26.882	124.42	0.8213	0.50
500	6.78	34.39	26.989	115.19	0.9421	0.42

STATION 130.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°29'N 113°29'W; April 7, 1952; 2134 GCT;
wire angle: 4°; sounding: 43 fms; depth of observation: 50 m;
weather: partly cloudy; sea: moderate; wind: 280°, force 4

00	16.7	33.89	24.753	320.18	0.0000	6.76
10	16.37	33.87	24.814	314.66	0.0319	6.83
20	16.19	33.85	24.840	312.49	0.0634	6.78
30	14.13	33.78	25.237	274.88	0.0929	6.01
50	13.34	34.07	25.624	238.63	0.1445	2.93

STATION 130.35 (Interpolated Values at Standard Depths) 62

BLACK DOUGLAS: 26°19'N 113°48.5'W; April 8, 1952; 0037 GCT;
wire angle: 12°; sounding: 150 fms; depth of observation: 153 m;
weather: cloudy; sea: rough; wind: 290°, force 6

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	15.64	33.62	24.787	31.686	0.0000	6.77
10	15.64	33.60	24.772	31.861	0.0319	6.82
20	15.57	33.62	24.803	31.596	0.0638	6.98
30	15.32	33.65	24.881	30.878	0.0952	6.96
50	13.88	33.66	25.197	27.924	0.1543	6.10
75	11.97	33.74	25.636	23.789	0.2193	4.03
100	11.2	33.96	25.950	20.862	0.2755	2.98
150	11.05	34.21	26.171	18.874	0.3755	1.92

STATION 130.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 26°09'N 114°07.5'W; April 8, 1952; 0421 GCT;
wire angle: 23°; sounding: 1,160 fms; depth of observation: 1,148 m;
weather: partly cloudy; sea: rough; wind: 320°, force 5

00	17.1	34.18	24.881	30.799	0.0000	6.64
10	17.1	34.14	24.850	31.122	0.0311	6.41
20	17.1	34.17	24.873	30.935	0.0623	6.40
30	17.1	34.18	24.881	30.893	0.0933	6.42
50	17.0	34.14	24.874	31.022	0.1555	6.45
75	13.5	33.93	25.483	25.266	0.2263	3.34
100	12.0	33.93	25.778	22.504	0.2864	3.17
150	11.73	34.52	26.286	17.801	0.3878	0.77
200	11.02	34.60	26.479	16.068	0.4731	0.52
250	10.29	34.55	26.570	15.291	0.5521	0.39
300	9.57	34.51	26.661	14.496	0.6271	0.32
400	8.27	34.48	26.845	12.859	0.7650	0.34
500	6.93	34.42	26.992	11.507	0.8879	0.27
600	6.19	34.44	27.107	10.483	0.9988	0.28
700	5.49	34.48	27.226	9.389	1.0991	0.32
800	4.94	34.49	27.299	8.724	1.1906	0.39
1000	4.07	34.49	27.395	7.845	1.3581	0.59

STATION 130.50 (Interpolated Values at Standard Depths) 63

BLACK DOUGLAS: 25°49'N 114°46'W; April 8, 1952; 1103 GCT;
 wire angle: 13°; sounding: 2,020 fms; depth of observation: 618 m;
 weather: cloudy; sea: rough; wind: 320°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	16.3	33.77	24.753	320.12	0.0000	6.76
10	16.33	33.84	24.800	315.97	0.0319	6.62
20	16.4	33.82	24.769	319.26	0.0638	6.64
30	16.3	33.77	24.753	321.02	0.0959	6.72
50	14.9	33.64	24.965	301.32	0.1584	6.89
75	14.3	33.68	25.124	286.83	0.2323	6.26
100	12.3	33.69	25.535	248.17	0.2996	4.02
150	10.31	33.90	26.060	198.98	0.4121	3.27
200	9.58	34.12	26.355	171.84	0.5055	2.40
250	9.50	34.43	26.610	148.69	0.5862	1.10
300	9.37	34.49	26.679	143.19	0.6597	0.54
400	8.29	34.52	26.873	125.95	0.7953	0.27
500	6.99	34.44	27.000	114.44	0.9165	0.24
600	6.14	34.45	27.121	103.41	1.0264	0.22

STATION 130.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°26'N 115°25'W; April 8, 1952; 1656 GCT;
 wire angle: 14°; sounding: 2,200 fms; depth of observation: 1,100 m;
 weather: cloudy; sea: rough; wind: 320°, force 2

00	15.8	33.51	24.667	328.31	0.0000	6.63
10	15.65	33.53	24.716	323.94	0.0327	6.70
20	15.8	33.60	24.736	322.31	0.0651	6.63
30	15.7	33.60	24.759	320.47	0.0974	6.63
50	15.0	33.55	24.875	309.97	0.1608	6.62
75	15.0	33.66	24.959	302.63	0.2378	5.99
100	13.0	33.55	25.290	271.54	0.3100	6.07
150	11.44	34.01	25.945	210.30	0.4313	2.90
200	10.07	34.17	26.312	176.15	0.5286	2.11
250	8.90	34.27	26.583	151.01	0.6110	1.90
300	8.57	34.36	26.705	140.22	0.6844	1.43
400	8.08	34.42	26.827	130.15	0.8207	0.45
500	6.92	34.44	27.009	113.45	0.9435	0.32
600	6.10	34.46	27.134	102.15	1.0523	0.28
700	5.39	34.46	27.223	94.07	1.1514	0.33
800	4.91	34.48	27.295	87.61	1.2432	0.44
1000	4.08	34.56	27.449	73.40	1.4060	0.61

STATION 133.25 (Interpolated Values at Standard Depths) 64

BLACK DOUGLAS: 26°04.5'N 112°48'W; April 7, 1952; 1607 GCT;
 wire angle: 0°; sounding: 44 fms; depth of observation: 50 m;
 weather: overcast; sea: slight; 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	16.18	33.91	24.888	307.29	0.0000	-
10	15.88	33.87	24.925	304.03	0.0307	-
20	14.98	33.78	25.056	291.89	0.0606	6.59
30	14.29	33.77	25.196	278.82	0.0892	6.13
50	14.2	34.07	25.446	255.59	0.1429	4.36

STATION 133.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°55.5'N 113°06.5'W; April 7, 1952; 1255 GCT;
 wire angle: 3°; sounding: 100 fms; depth of observation: 155 m;
 weather: overcast; sea: moderate; wind: 290°, force 4

00	17.0	34.07	24.820	313.76	0.0000	6.50
10	17.04	34.07	24.811	314.97	0.0316	6.48
20	15.2	33.94	25.131	284.77	0.0617	7.10
30	15.3	33.81	25.009	296.66	0.0909	7.10
50	13.9	33.80	25.300	269.38	0.1478	5.86
75	12.4	34.04	25.787	223.68	0.2098	2.97
100	12.0	34.25	26.026	201.53	0.2633	2.36
150	11.44	34.54	26.356	171.34	0.3572	0.93

STATION 133.40 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°34.5'N 113°45.5'W; April 7, 1952; 0712 GCT;
 wire angle: 14°; sounding: 1,750 fms; depth of observation: 570 m;
 weather: cloudy; sea: moderate; wind: 320°, force 2

00	17.5	34.13	24.747	320.73	0.0000	6.32
10	17.5	34.07	24.701	325.42	0.0324	6.34
20	17.4	34.13	24.771	319.08	0.0648	6.30
30	17.2	34.25	24.910	306.10	0.0962	6.28
50	17.1	34.29	24.965	301.56	0.1573	6.29
75	13.6	34.09	25.586	242.89	0.2257	5.67
100	11.5	33.80	25.771	225.65	0.2846	3.68
150	11.07	34.30	26.237	182.47	0.3873	1.81
200	10.68	34.50	26.463	162.13	0.4741	1.03
250	9.98	34.52	26.600	149.92	0.5527	0.52
300	9.23	34.51	26.717	139.47	0.6256	0.45
400	8.22	34.48	26.853	127.84	0.7603	0.34
500	7.08	34.47	27.011	113.50	0.8820	0.29

STATION 133.50 (Interpolated Values at Standard Depths) 65

BLACK DOUGLAS: 25°14.5'N 114°24'W; April 7, 1952; 0110 GCT;
wire angle: 18°; sounding: 2,040 fms; depth of observation: 544 m;
weather: partly cloudy; sea: slight; wind: 320°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	18.2	34.25	24.668	328.24	0.0000	6.18
10	18.2	34.22	24.645	330.75	0.0331	6.17
20	18.0	34.21	24.687	327.12	0.0661	6.17
30	18.0	34.19	24.671	328.91	0.0990	6.18
50	17.7	34.18	24.737	323.30	0.1645	6.17
75	16.2	34.07	25.006	298.32	0.2426	5.88
100	12.2	33.75	25.600	241.93	0.3106	4.42
150	10.85	34.18	26.183	187.49	0.4187	2.37
200	10.88	34.46	26.396	168.53	0.5083	1.03
250	9.89	34.49	26.592	150.64	0.5887	0.90
300	9.32	34.50	26.695	141.65	0.6623	0.83
400	8.11	34.47	26.861	126.91	0.7977	0.33
500	7.14	34.45	26.987	115.82	0.9201	0.28

STATION 133.60 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 24°54.5'N 115°01.5'W; April 6, 1952; 1946 GCT;
wire angle: 7°; sounding: 2,210 fms; depth of observation: 582 m;
weather: partly cloudy; sea: slight; wind: 280°, force 2

00	18.5	34.27	24.609	333.88	0.0000	6.20
10	18.33	34.27	24.651	330.18	0.0333	6.23
20	18.2	34.27	24.683	327.46	0.0663	6.37
30	18.0	34.26	24.725	323.81	0.0990	6.48
50	17.1	34.09	24.812	316.11	0.1633	6.59
75	13.9	33.73	25.246	275.18	0.2376	5.17
100	12.5	33.84	25.612	240.85	0.3025	4.17
150	10.89	34.16	26.161	189.65	0.4109	2.33
200	11.07	34.49	26.385	169.64	0.5014	1.01
250	10.00	34.49	26.573	152.46	0.5825	0.83
300	9.43	34.50	26.677	143.41	0.6570	0.43
400	8.13	34.48	26.866	126.48	0.7930	0.33
500	7.06	34.42	26.974	116.91	0.9157	0.23
600	(6.23)	(34.44)	(27.102)	(105.37)	(1.0278)	-

STATION 137.23 (Interpolated Values at Standard Depths) 66

BLACK DOUGLAS: 25°34'N 112°18.5'W; April 5, 1952; 1712 GCT;
wire angle: 0°; sounding: 41 fms; depth of observation: 50 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.)	O ₂ (ml/L)
00	17.34	34.13	24.785	317.07	0.0000	6.32
10	17.24	34.09	24.778	318.04	0.0319	6.13
20	16.5	34.09	24.952	301.78	0.0630	5.92
30	15.66	34.09	25.144	283.83	0.0924	5.70
50	15.06	34.29	25.430	257.13	0.1468	3.78

STATION 137.30 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 25°19.5'N 112°46'W; April 5, 1952; 2112 GCT;
wire angle: 16°; sounding: 190 fms; depth of observation: 283 m;
weather: partly cloudy; sea: moderate; wind: 280°, force 2

00	18.0	34.16	24.648	330.11	0.0000	6.60
10	17.6	34.13	24.723	323.34	0.0328	6.48
20	17.1	34.04	24.773	318.83	0.0650	6.11
30	14.7	33.89	25.201	278.36	0.0950	5.72
50	13.9	33.87	25.354	264.25	0.1495	5.00
75	13.6	34.21	25.679	234.10	0.2121	2.78
100	12.7	34.34	25.960	207.90	0.2677	1.22
150	11.68	34.60	26.358	171.24	0.3631	0.44
200	11.09	34.63	26.490	159.71	0.4464	0.29
250	10.83	34.61	26.521	157.77	0.5263	0.18
300	(10.59)	(34.66)	(26.603)	(151.05)	(0.6041)	-

STATION 137.40 (Interpolated Values at Standard Depths) 67

BLACK DOUGLAS: 24°59'N 113°25.5'W; April 6, 1952; 0307 GCT;
 wire angle: 9°; sounding: 1,320 fms; depth of observation: 619 m;
 weather: cloudy; sea: moderate; wind: 300°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.cm.)	O ₂ (ml/L)
0 0	17.8	34.20	24.728	322.55	0.0000	6.33
1 0	17.76	34.20	24.737	321.95	0.0324	6.27
2 0	17.4	34.20	24.824	313.99	0.0643	6.58
3 0	16.7	34.18	24.975	299.96	0.0951	6.61
5 0	16.4	34.11	24.991	299.04	0.1553	6.48
7 5	14.6	33.93	25.253	274.64	0.2274	5.75
1 0 0	13.0	34.02	25.653	237.07	0.2918	2.87
1 5 0	11.82	34.37	26.153	190.66	0.3995	1.42
2 0 0	11.11	34.57	26.440	164.46	0.4889	0.68
2 5 0	10.58	34.61	26.566	153.45	0.5689	0.37
3 0 0	9.37	34.52	26.702	140.97	0.6431	0.32
4 0 0	8.24	34.49	26.857	127.40	0.7784	0.33
5 0 0	7.03	34.43	26.986	115.74	0.9010	0.27
6 0 0	6.12	34.46	27.132	102.41	1.0111	0.27

STATION 137.50 (Interpolated Values at Standard Depths)

BLACK DOUGLAS: 24°40'N 114°01.5'W; April 6, 1952; 0832 GCT;
 wire angle: 15°; sounding: 2,100 fms; depth of observation: 565 m;
 weather: cloudy; sea: moderate; wind: 340°, force 2

0 0	17.8	34.16	24.697	325.46	0.0000	6.07
1 0	17.9	34.14	24.658	329.56	0.0329	6.06
2 0	17.8	34.19	24.720	323.92	0.0657	6.14
3 0	17.7	34.19	24.744	321.93	0.0981	6.28
5 0	17.3	34.10	24.772	319.93	0.1626	6.28
7 5	14.9	33.93	25.188	280.82	0.2381	5.70
1 0 0	12.1	33.73	25.604	241.56	0.3038	4.10
1 5 0	10.94	34.28	26.245	181.69	0.4103	2.28
2 0 0	11.13	34.60	26.459	162.61	0.4970	0.77
2 5 0	10.31	34.59	26.598	150.31	0.5758	0.49
3 0 0	9.31	34.51	26.704	140.75	0.6491	0.56
4 0 0	8.19	34.51	26.881	125.17	0.7831	0.29
5 0 0	7.26	34.50	27.009	113.85	0.9036	0.18

STATION 137.60 (Interpolated Values at Standard Depths) 68

BLACK DOUGLAS: 24°18'N 114°38.5'W; April 6, 1952; 1350 GCT;
wire angle: 8°; sounding: 2,040 fms; depth of observation: 581 m;
weather: partly cloudy; sea: slight; wind: 320°, force 2

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
00	17.9	34.09	24.619	332.87	0.0000	6.32
10	18.04	34.12	24.608	334.28	0.0335	6.16
20	17.9	34.14	24.658	329.88	0.0668	6.14
30	17.8	34.14	24.682	327.88	0.0998	6.18
50	16.8	33.91	24.745	322.48	0.1652	6.41
75	16.9	33.81	24.645	332.77	0.2476	5.95
100	13.0	33.78	25.468	254.67	0.3215	4.23
150	10.94	34.15	26.144	191.25	0.4337	2.52
200	10.70	34.47	26.436	164.69	0.5233	1.12
250	10.25	34.54	26.569	152.97	0.6033	0.61
300	9.39	34.54	26.714	139.82	0.6771	0.47
400	8.32	34.50	26.853	127.89	0.8120	0.27
500	7.07	34.42	26.973	117.04	0.9355	0.26
600	(6.23)	(34.43)	(27.094)	(106.11)	(1.0481)	-

OBSERVED DEPTHS

69

HORIZON: STATION 60.55

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	9.58	33.35	5.68
10	9.29	33.39	5.18
20	9.2	33.46	4.90
30	9.08	33.49	4.74
50	8.99	33.60	3.65
75	8.63	33.84	2.79
100	8.36	33.87	2.51

HORIZON: STATION 60.60

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	10.5	32.81	6.37
10	10.41	32.84	6.37
74	-	33.35	4.94
99	-	33.51	4.42
150	8.18	33.77	3.31
196	-	33.96	2.43
242	7.64	34.04	2.02
289	7.04	34.08	1.46
387	6.13	34.13	0.95
420	5.37	34.14	0.66
576	4.92	34.18	0.44
770	4.31	34.40	0.28
960	3.87	34.42	0.33
1163	3.32	34.49	0.60

HORIZON: STATION 60.70

0	11.5	32.94	6.39
10	11.36	32.92	6.37
25	11.3	32.90	6.42
50	10.84	32.94	6.32
73	10.4	32.90	6.12
97	10.57	33.46	3.92
146	9.68	33.69	3.09
193	10.20 ^a	33.89	2.56
233	8.16	34.02	2.24
285	7.68	34.05	1.97
383	6.40	34.13	1.22
479	5.60	34.18	0.71
583	5.01	34.20	0.44

HORIZON: STATION 60.80

0	11.57	32.77	6.37
25	11.5	32.77	6.37
50	11.2	32.79	5.64 ^a
74	11.2	32.79	6.25
126	8.8	33.12	5.07
174	8.3	33.66	4.08
221	7.51	33.87	3.72
267	7.32	33.98	2.26
365	6.37	34.07	1.31
457	5.53	34.09	0.89
555	4.93	34.14	0.57
729	4.33	34.16	0.29
938	3.86	34.40	0.37
1140	3.35	34.47	0.55

HORIZON: STATION 60.90

0	12.1	32.34	6.16
10	11.94	32.92	6.16
25	11.7	32.83	6.12
50	11.74	32.84	6.14
75	11.5	32.90	6.09
98	9.73	33.15	4.84
151	9.10	33.64	3.19
197	8.57	33.89	2.42
244	8.04	34.00	2.10
290	7.54	34.07	1.77
390	6.61	34.08	1.03
486	5.99	34.18	0.58
590	5.47	34.25	0.41

HORIZON: STATION 63.52

0	10.32	32.99	6.03
10	9.95	33.13	5.23
20	9.51	33.42	3.78
30	9.10	33.58	3.11
50	8.69	33.80	2.46

^a Value rejected in drawing curves and reading off values at standard depths
For further explanatory notes, see Page 94.

OBSERVED DEPTHS

70

HORIZON: STATION 63.55

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	11.45	32.94	6.32
10	11.31	32.94	6.37
25	11.01	32.95	6.37
50	9.68	33.25	5.60
75	9.4	33.39	5.14
100	9.39	33.56	4.54
125	8.84	33.73	2.99
155	8.28	33.89	2.15

HORIZON: STATION 67.50

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	10.89	32.86	6.25
10	10.30	33.13	5.35
20	10.07	33.35	4.91
30	9.86	33.42	4.55
50	9.4	33.49	4.42
75	9.12	33.69	3.19

HORIZON: STATION 67.55

0	11.8	32.66	6.32
10	11.58	32.70	6.33
25	11.1	32.97	5.94
50	9.88	33.43	3.72
74	9.3	33.66	3.19
98	9.01	33.78	2.90
151	8.30	33.93	2.51
196	7.87	34.02	2.12
243	7.35	34.05	1.73
289	7.02	34.13	1.33
389	6.16	34.13	0.85
483	5.59	34.22	0.53
588	5.10	34.33	0.37

HORIZON: STATION 70.55

0	11.0	33.30	6.63
9	10.78	33.28	6.63
23	10.5	33.51	6.04
47	9.8	33.69	4.86
69	9.4	33.71	3.97
91	9.1	33.77	2.91
138	8.51	33.96	2.40
180	8.3	33.98	2.31
221	7.71	34.07	1.82
263	7.46	34.11	1.46
349	6.65	34.13	1.03
433	6.09	34.22	0.70
520	5.52	34.23	0.44
696	4.56	34.38	0.29
875	4.09	34.38	0.40
1070	3.46	34.40	0.66

HORIZON: STATION 70.60

0	12.0	32.92	6.43
10	12.00	32.90	6.38
25	11.8	32.92	6.37
50	11.44	32.95	6.42
74	10.7	33.21	4.86
98	9.06	33.44	4.71
143	8.39	33.73	3.23
194	7.81	33.93	2.74
240	7.14	33.90	2.74
286	6.77	33.96	2.19
385	5.91	34.07	1.18
480	5.54	34.16	0.66
584	5.18	34.23	0.42

HORIZON: STATION 70.70

0	12.7	32.38	6.10
10	12.55	32.92	6.14
25	12.3	32.94	6.12
50	12.2	32.92	6.19
74	11.7	32.94	6.11
98	10.7	33.13	5.65
151	9.17	33.40	4.20
196	8.4	33.78	3.25
243	7.69	33.93	2.76
288	7.19	33.96	2.46
385	6.40	34.07	1.33
480	5.61	34.12	0.87
576	5.14	34.20	0.47
768	4.36	34.34	0.36
958	3.88	34.45	0.54
1160	3.38	34.36	0.72

OBSERVED DEPTHS

71

HORIZON: STATION 70.80

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	12.8	33.06	6.16
10	12.71	33.04	6.16
25	12.6	33.04	6.16
50	12.24	33.03	6.14
75	11.3	33.10	5.75
98	9.19	33.37	4.10
149	8.46	33.78	3.04
195	7.97	34.00	2.54
241	7.32	33.96	2.25
287	6.73	34.02	1.65
385	6.03	34.13	0.96
481	5.58	34.18	0.51
583	5.10	34.22	0.37

HORIZON: STATION 70.90

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	12.7	33.04	6.05
10	12.70	33.06	6.07
25	12.5	33.08	6.17
50	12.1	33.08	6.04
74	11.0	33.04	5.54
99	9.5	33.22	4.60
149	12.06a	33.75	3.25
193	8.1	33.93	2.50
237	7.27	33.95	2.39
283	7.34	33.93	2.71
377	6.56	34.04	1.57
465	6.08	34.14	0.77
562	5.36	34.16	0.54
750	4.37	34.31	0.28
938	3.89	34.43	0.29
1137	3.36	34.51	-

HORIZON: STATION 73.50

0	10.23	33.60	5.51
10	9.67	33.64	4.21
20	9.40	33.63	3.55
30	9.23	33.78	3.21
50	- c	33.78	2.97

HORIZON: STATION 73.60

0	12.4	33.03	6.12
11	11.39	32.99	6.49
25	11.1	32.98	6.31
51	11.27	32.97	6.30
75	10.4	33.04	5.80
99	9.73	33.53	-
148	8.72	33.80	2.78
191	8.3	34.00	2.12
232g	7.74	34.05	1.85
327	6.71	34.07	1.09
373	6.59	34.05	1.71a
521	5.64	34.14	0.53

HORIZON: STATION 77.50

0	10.17	33.57	4.83
12	10.13	33.62	4.77
22	10.15	33.57	4.72
32	10.05	33.62	4.58
58	9.5	33.60	6.18a
85	9.02	33.77	2.51
111	8.87	33.87	2.33

HORIZON: STATION 77.55

0	11.0	-	-
24	10.90	33.28	6.12
48	10.6	33.28	5.95
72	10.53	33.31	5.40
123e	7.60a	34.02a	2.04a
124	8.76	33.69	3.07
169	7.9	33.95	2.52
278g	6.45a	33.97a	2.17a
317	6.88	34.07	0.95
437	6.04	34.16	0.57

OBSERVED DEPTHS

72

HORIZON: STATION 80.51

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	12.46	33.33	6.12
10	12.50	33.30	6.14
20	12.51	33.33	6.14
30	12.28	33.30	6.22
50	12.50a	33.44	4.64
75	9.70	33.62	3.44

HORIZON: STATION 80.55

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	12.8	33.12	6.26
9	12.76	33.10	6.30
23	12.0	33.15	6.21
47	11.76	33.17	6.03
71	9.7	33.31	4.38
94	9.13	33.44	3.99
141	8.44	33.80	3.04
185	7.9	33.95	2.79
229	7.39	34.00	2.37
273	6.96	34.03	2.00
366	6.14	34.09	1.08
459	5.77	34.20	0.53
561	5.40	34.25	0.34

HORIZON: STATION 80.60

0	13.1	33.08	6.16
10	12.89	33.06	6.18
25	12.2	33.13	6.15
49	11.3	33.12	5.70
73	9.9	33.28	4.41
97	9.6	33.49	3.71
148	8.59	33.68	3.33
194	8.4	33.98	2.35
241	7.63	34.04	2.22
285	7.31	34.13	1.44
382	6.09	34.09	1.05
475	5.54	34.18	0.54
575	4.98	34.25	0.33
766	4.32	34.43	0.28
956	3.92	34.42	0.52
1157	3.36	34.47	0.71

HORIZON: STATION 80.70

0	13.4	33.01	5.99
10	13.29	33.01	6.01
25	12.9	33.01	6.05
50	12.75	33.04	5.97
74	11.7	33.12	5.42
98	9.77	33.24	4.51
149	8.80	33.78	3.11
194	8.50	33.98	2.44
240	7.84	34.05	2.05
285	7.28	34.05	1.72
383	6.51	34.14	0.90
478	5.98	34.20	0.56
583	5.44	34.25	0.36

HORIZON: STATION 80.80

0	13.6	33.01	6.06
10	13.34	33.06	6.13
24	12.9	33.04	6.20
49	12.8	33.04	6.06
73	11.7	33.22	4.84
97	10.3	33.46	4.00
149	9.45	33.82	2.86
196	9.1	33.96	2.40
242	8.38	34.07	1.94
288	7.93	34.13	1.54
384	7.02	34.14	0.97
477	6.22	34.22	0.68
575	5.72	34.29	0.40
766	4.72	34.40	0.37
956	4.13	34.43	0.54
1158	3.54	34.47	0.80

HORIZON: STATION 80.90

0	13.4	33.01	6.12
10	13.36	33.08	6.25
24	12.9	33.15	6.26
48	12.71	33.21	6.11
72	12.6	33.22	5.99
95	10.04	33.19	4.73
144	9.20	33.71	3.23
190	8.3	33.95	2.74
235	7.66	34.00	2.40
280	7.24	34.05	1.75
378	6.64	34.16	0.84
471	5.78	34.18	0.66
573	5.14	34.23	0.45

OBSERVED DEPTHS

73

HORIZON: STATION 80.100			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	13.3	33.01	6.08
10	13.20	33.04	6.07
25	13.0	32.97	6.06
54	12.9	33.10	6.09
78	12.4	33.03	5.92
106	9.8	32.97	5.18
160	13.15a	33.61	3.55
210	8.2	33.89	3.01
264	7.97	33.57	3.62
310	7.61	33.62	3.49
414	6.51	34.05	1.61
516	6.07	34.11	0.82
618	5.22	34.25	0.35
817	4.26	34.36	0.29
1021	3.65	34.43	0.56
1222	3.22	34.47	0.81

HORIZON: STATION 83.55			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	12.3	33.24	6.35
10	12.20	33.24	6.25
24	11.9	33.29	6.16
52	9.73	33.48	4.11
75e	9.36a	33.87a	2.81a
76	9.2	33.68	3.27
102	9.04	33.84	2.84
150	8.52	34.04	2.05
284g	7.26	34.16	1.08
420	6.34	34.20	0.72
561	5.52	34.27	0.42

HORIZON: STATION 83.60

0	12.7	33.26	6.24
8	12.64	33.30	6.23
22	12.4	33.37	6.02
48	11.62	33.30	5.58
70	10.5	33.44	4.41
94	9.74	33.71	3.36
133	9.10	33.93	2.46
170	8.60	34.00	2.10
206	8.02	34.00	2.22
225	7.25a	-	2.29
345	6.70	33.98	1.33
443	6.43	34.23	0.65
548	5.78	34.23	0.46

HORIZON: STATION 83.70

0	13.0	33.13	6.16
9	12.95	33.13	6.18
28	12.9	33.10	6.14
56	11.92	33.13	5.98
83	11.4	33.33	5.64
109	9.72	33.50	3.79
140e	8.99	34.04a	2.05a
158	8.73	33.87	2.66
205	8.34	34.03	2.04
341g	7.09	34.13	1.15
479	6.15	34.23	0.52
594	5.41	34.25	0.30

HORIZON: STATION 83.30

0	13.4	33.06	6.00
9	13.47	33.04	6.02
24	13.5	33.06	6.00
41e	13.35	33.13	6.00
52	12.92	33.12	5.16
74	11.6	33.08	5.28
100	9.95	33.37	4.10
148	8.56	33.78	3.45
192	8.12	33.95	2.46
225g	6.54a	34.02	2.06
348	6.64	34.07	1.18
504	5.48	34.22	0.64

HORIZON: STATION 83.90

0	13.6	33.06	6.02
10	13.58	33.08	6.10
25	13.6	33.04	5.95
54	13.12	33.19	5.67
79	11.6	33.15	5.16
108	9.37	33.44	3.71
158	8.47	33.82	2.68
209	8.01	34.02	2.09
264	7.31	34.04	1.62
310	6.78	34.07	1.26
418	6.27	34.18	0.57
523	5.52	34.23	0.41
632	5.10	34.29	0.29

OBSERVED DEPTHS

74

HORIZON: STATION 87.35

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.57	33.30	6.13
10	14.51	33.30	6.18
25	13.1	33.30	6.53
51	11.15	33.37	4.89
75	10.02	33.53	3.86
98	9.68	33.75	3.19
127e	9.20	33.68	3.22
193	8.69	34.13	1.85
198g	8.75a	34.13a	1.60a
248	8.31	34.07a	1.92a

HORIZON: STATION 87.40

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.3	33.30	5.97
9	14.29	33.26	6.19
23	13.4	33.31	6.36
48	10.62	33.49	4.39
71	10.0	33.60	3.69
95	9.31	33.86	2.83
145	8.85	34.09	2.08
189	8.54	34.14	1.65
232	8.10	34.16	1.35
277e	8.84a	34.07a	2.02a
373e	8.06a	34.16a	1.45a
466	6.45	34.25	0.43
567	5.62	34.33	0.30

HORIZON: STATION 87.50

0	13.21	33.17	6.07
10	13.20	33.19	6.01
20	13.13	33.19	6.06
30	12.72	33.17	6.10
50	13.03a	33.22	5.38

HORIZON: STATION 87.60

0	13.6	33.12	5.95
10	13.59	33.06	5.93
25	13.3	33.17	6.08
50	12.04	33.21	5.71
75	9.9	33.44	4.65
98	9.06	33.49	3.90
150	8.51	33.87	2.76
196	8.13	34.04	2.22
242	7.48	34.04	2.13
288	7.09	34.04	1.47
386	6.28	34.15	0.82
481	5.74	34.23	0.46
585	5.32	34.29	0.34

HORIZON: STATION 87.70

0	14.3	33.21	5.79
10	14.33	33.17	5.76
25	14.4	33.15	5.86
51	12.74	33.08	5.91
75	11.4	33.10	5.48
99	9.68	33.24	4.81
150	8.88	33.66	3.52
196	8.5	33.89	3.15
241	7.77	33.96	2.89
287	7.21	34.00	2.30
384	6.48	34.11	1.06
480	5.66	34.16	0.67
583	5.26	34.27	0.36

HORIZON: STATION 87.80

0	14.8	33.31	5.72
10	14.76	33.31	5.70
25	14.7	33.31	5.72
49	14.28	33.22	5.50
73	12.8	33.04	5.94
97	11.97	33.15	5.62
147	9.35	33.37	4.34
191	8.69	33.77	3.65
191e	7.70a	33.93a	3.03a
235	8.03	33.96	3.06
319g	6.90	34.05	2.02
481	5.91	34.15	0.69

OBSERVED DEPTHS

75

HORIZON: STATION 87.90			
Depth	T	S	O ₂
(m)	(°C)	(%)	(ml/L)
0	13.6	33.04	5.92
10	13.52	33.08	5.92
25	13.5	33.05	5.99
50	13.08	33.12	6.03
74	12.6	33.12	5.93
98	10.05	-	4.97
149	8.97	33.69	3.45
197	8.31	33.93	2.97
233e	7.53a	34.13a	1.65e
242	7.88	34.07	2.23
399g	6.30	34.16	0.86
530	5.46	34.22	0.53

CREST: STATION 90.28			
Depth	T	S	O ₂
(m)	(°C)	(%)	(ml/L)
0	14.4	33.31	6.15
10	14.29	33.30	6.29
25	13.0	33.30	6.27
50	11.0	33.40	4.20
74	9.84	33.60	3.33
98	9.6	33.82	2.87
149	9.03	34.02	2.28
196	8.82	34.18	1.58
242	8.44	34.17	1.34
289	8.16	34.25	1.05
342	7.73	34.25	0.88
389	7.14	34.27	0.68
438	6.84	34.25	0.63
486	6.46	34.27	0.46

CREST: STATION 90.30			
Depth	T	S	O ₂
(m)	(°C)	(%)	(ml/L)
0	14.1	33.22	6.24
10	13.74	33.31	6.41
25	-	33.24	6.45
50	-	33.37	4.24
74	9.86	33.53	3.76
98	-	33.73	3.23
149	8.81	34.00	2.66
195	8.47	34.09	1.92
241	8.17	34.18	1.84
288	8.16	34.23	1.84
339	7.32	34.20	0.82
386	6.85	34.25	0.64
434	6.61	34.29	0.49
483	6.36	34.31	0.43

CREST: STATION 90.37			
Depth	T	S	O ₂
(m)	(°C)	(%)	(ml/L)
0	14.6	33.30	5.98
10	13.73	33.26	6.18
25	12.8	33.28	6.43
50	12.0	33.31	4.36
75	10.2	33.51	3.77
99	9.8	33.75	3.23
153	8.91	33.96	2.56
200	8.6	34.13	1.70
248	7.85	34.14	1.31
295	7.40	34.16	0.99
395	6.68	34.27	0.56
490	6.04	34.27	0.32
589	5.60	34.38	0.24
685	5.31	34.42	0.24
785	4.70	34.40	0.35
979	4.18	34.47	0.37

CREST: STATION 90.45			
Depth	T	S	O ₂
(m)	(°C)	(%)	(ml/L)
0	13.4	33.28	5.06
10	13.26	33.24	5.77
25	13.2	33.26	5.91
50	11.82	33.26	6.32
74	10.7	33.37	4.52
98	9.46	33.55	3.92
149	8.68	33.86	3.07
196	8.44	34.09	2.00
243	8.02	34.22	1.42
289	7.72	34.23	1.09
387	6.91	34.29	0.62
484	6.18	34.36	0.36
588	5.58	34.36	0.29

CREST: STATION 90.53			
Depth	T	S	O ₂
(m)	(°C)	(%)	(ml/L)
0	13.6	33.13	5.91
9	13.56	33.17	5.80
23	13.5	33.24	5.87
46	13.4	33.24	5.84
69	12.1	33.21	5.45
92	10.4	33.31	4.57
141	8.92	33.86	3.36
183	8.6	34.05	2.52
226	8.10	34.13	2.17
- h	8.10a	34.11a	2.24a
298	7.22	34.09	1.78
365	- c	34.16	1.03
428	6.30	34.22	0.67
503	5.91	34.22	0.43
570	5.42	34.33	0.34
702	4.80	34.38	0.34

OBSERVED DEPTHS

76

CREST: STATION 90.60

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	13.7	33.24	5.92
9	13.63	33.17	5.79
23	13.6	33.22	5.99
52	12.90	33.17	5.96
76	10.8	33.22	4.80
104	9.42	33.44	3.85
153	8.70	33.86	3.34
202	7.86	33.98	2.72
256	- c	34.05	2.01
301	6.86	34.09	1.54
408	6.21	34.20	0.71
513	5.64	34.27	0.37
620	5.10	34.34	0.30

CREST: STATION 90.70

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.5	33.30	5.74
8	14.44	33.30	5.84
21	14.5	33.31	5.79
44	14.4	33.33	5.70
63	14.4	33.31	5.71
84	13.3	33.22	5.86
115	10.9	33.17	5.48
141	9.28	33.53	4.42
172	8.46	33.86	3.50
198	8.20	34.00	3.32
261	7.39	34.11	2.42
323	- c	34.15	1.51
389	6.22	34.16	0.84
521	5.61	34.27	0.43
665	4.94	34.37	0.28
838	4.32	34.42	0.46

CREST: STATION 90.80

0	14.7	33.42	5.67
8	14.68	33.40	5.73
26	14.7	33.40	5.70
52	14.70	33.39	5.67
77	14.7	33.40	5.68
102	14.52	33.39	5.69
150	10.62	33.26	5.10
197	8.85	33.75	3.80
245	8.19	34.01	3.36
295	7.49	34.05	2.59
392	6.49	34.20	1.31
498	6.06	34.27	0.48
608	5.40	34.36	0.33

CREST: STATION 90.90

0	14.8	33.33	5.64
8	14.73	33.35	5.55
25	14.8	33.39	5.62
50	14.7	33.35	5.57
72	14.1	33.24	5.57
94	13.4	33.13	5.69
128	10.37	33.31	4.91
152	10.0	33.53	4.32
178	9.12	33.84	4.25
204	8.66	33.84	3.73
255	8.07	33.95	3.21
312	7.30	34.07	2.27
368	6.40	34.09	1.40
499	5.57	34.22	0.54
639	5.01	34.29	0.30
784	4.50	34.40	0.31

CREST: STATION 90.100

0	14.5	33.30	5.59
9	14.49	33.30	-
26	14.5	33.33	5.76
50	14.56	33.33	5.73
76	14.6	33.33	5.71
101	13.02	33.08	5.85
146	10.80	33.30	5.16
192	8.87	33.58	4.24
239	7.25	33.93	3.55
287	7.56	33.96	2.53
381	6.44	34.11	1.50
488	5.75	34.18	0.74
620	5.08	34.29	0.40

CREST: STATION 93.27

0	15.09	33.30	6.15
10	13.27	33.30	6.38
25	11.80	33.33	5.50
49	10.22	33.62	3.57
72	9.89	33.78	3.06
96	9.44	33.98	2.44
120	9.18	34.04	2.24
149	9.09	34.09	2.05

OBSERVED DEPTHS

77

CREST: STATION 93.30

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.0	33.31	5.88
10	14.52	33.31	6.01
25	12.9	33.30	6.40
50	12.28	33.31	6.12
75	10.4	33.39	4.30
99	9.78	33.63	3.54
150	8.86	34.04	2.55
197	8.53	34.14	2.08
243	8.12	34.16	1.66
289	8.02	34.22	1.33
389	7.06	34.29	0.66
484	6.29	34.32	0.40
588	5.69	34.36	0.29

CREST: STATION 93.50

0	15.2	33.33	5.88
10	14.33	33.31	5.84
25	14.1	33.24	5.79
50	13.99	33.22	5.79
75	13.4	33.28	5.70
98	10.40	33.24	4.60
149	9.22	33.82	3.21
195	8.89	34.02	2.59
241	8.25	34.18	1.92
288	7.69	34.20	1.53
385	6.83	34.27	0.77
481	6.06	34.33	0.52
584	5.52	34.34	0.35

CREST: STATION 93.70

0	14.8	33.15	5.85
10	13.65	33.13	5.91
25	13.6	33.15	5.88
49	13.52	33.15	5.88
73	13.1	33.13	5.86
97	12.38	33.10	5.99
147	9.39	33.40	4.39
193	8.80	33.89	3.64
239	7.89	33.96	2.76
285	7.67	34.07	2.31
383	6.46	34.11	1.30
477	5.80	34.14	0.71
580	5.40	34.23	0.43

CREST: STATION 93.40

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.6	33.33	6.04
10	13.75	33.31	6.21
25	12.8	33.31	6.51
50	11.80	33.35	5.55
75	10.0	33.50	4.04
98	9.52	33.69	3.45
150	8.58	34.00	2.69
196	8.14	34.10	2.17
242	7.82	34.15	1.58
286	7.55	34.20	1.19
388	6.82	34.27	0.63
483	6.16	34.33	0.43
587	5.64	34.38	0.32

CREST: STATION 93.60

0	15.4	33.37	5.62
10	14.80	33.39	5.73
24	14.8	33.39	5.68
48	14.06	33.30	5.74
73	12.8	33.27	5.52
96	10.66	33.17	4.07
145	9.40	33.75	3.56
189	8.82	33.96	2.84
234	8.41	34.14	2.17
280	8.03	34.18	1.63
381	7.19	34.22	0.83
475	6.37	34.29	0.50
578	5.66	34.31	0.38

CREST: STATION 93.80

0	14.4	33.26	5.73
10	14.22	33.22	5.80
25	14.4	33.26	5.79
54	14.24	33.22	5.75
78	14.4	33.26	5.66
107	13.09	33.19	5.62
156	9.90	33.31	4.59
208	8.80	33.75	3.67
263	7.71	34.00	3.57
310	7.22	34.02	2.19
418	6.37	34.14	0.94
523	5.74	34.23	0.48
635	5.31	34.29	0.45

OBSERVED DEPTHS

78

CREST: STATION 93.90

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.54	33.33	5.70
8	14.54	33.33	5.63
27	14.5	33.31	5.58
54	14.52	33.31	5.45
80	13.85	33.21	5.13
105	13.34	33.19	5.70
154	10.2	33.37	4.47
212	8.7	33.78	3.69
263	7.87	33.78	2.87
313	7.26	34.05	2.14
414	6.21	34.11	1.08
522	5.55	34.23	0.56
631	5.10	34.31	0.38

CREST: STATION 97.32

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.0	33.33	5.85
10	14.45	33.28	6.12
25	13.8	33.24	6.47
50	11.6	33.28	5.03
74	10.3	33.48	4.01
98	9.54	33.71	3.42
149	8.9	33.91	3.05
194	8.93	34.13	2.03
241	8.44	34.18	1.53
287	8.09	34.25	1.27
338	- c	34.25	0.90
385	6.90	34.22	0.82
432	6.60	34.27	0.52
481	6.30	34.34	0.33
584	5.68	34.34	0.46

CREST: STATION 97.40

0	15.6	33.28	5.92
10	14.74	33.28	5.98
25	13.5	33.22	6.20
50	11.8	33.30	5.14
75	10.57	33.39	4.43
99	9.9	33.60	3.85
151	9.07	33.86	2.42
199	8.52	34.02	2.52
244e	8.14a	34.02a	2.09a
245	7.92	34.04	2.06
303g	7.58	34.16	1.24
363	7.05	34.16	0.89
418	6.70	34.18	0.60
482	6.32	34.27	0.45

CREST: STATION 97.50

0	14.7	33.24	5.92
10	14.26	33.22	5.99
25	14.0	33.24	5.91
50	13.10	33.21	6.06
75	11.3	33.21	5.45
99	10.27	33.35	4.39
150	9.03	33.75	3.49
196	8.54	33.97	2.62
242	8.00	34.02	2.23
289	7.71	34.11	1.59
389	6.78	34.20	0.83
486	6.05	34.25	0.49
589	5.39	34.33	0.35

CREST: STATION 97.60

0	15.3	33.37	5.64
10	15.13	33.39	5.73
25	15.1	33.44	5.68
50	14.94	33.44	5.67
75	14.5	33.26	5.78
99	11.69	33.40	4.73
152	9.52	33.74	3.43
199	9.25	34.07	2.36
246	8.31	34.07	2.26
293	8.07	34.18	1.58
392	7.00	34.23	0.97
489	6.34	34.29	0.50
594	5.82	34.33	0.33

CREST: STATION 97.70

0	15.3	33.37	5.75
9	15.16	33.39	5.72
23	15.49	33.53	5.70
46	15.6	33.60	5.68
69	15.6	33.57	5.67
89	12.72	33.22	5.58
136	9.90	33.37	4.47
178	8.97	33.87	3.20
221	8.31	34.05	2.62
266	8.06	34.13	2.00
360	6.99	34.20	1.26
451	6.22	34.25	0.63
553	5.78	34.33	0.30

OBSERVED DEPTHS

79

CREST: STATION 97.80

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.8	33.20	5.82
10	14.44	33.19	5.90
24	14.2	33.22	5.86
53	13.44	33.20	5.96
77	12.3	33.19	5.94
105	10.61	33.22	5.07
155	9.00	33.66	3.69
203	8.26	33.95	3.01
257	7.52	34.01	2.47
304	7.14	34.07	1.97
410	6.26	34.17	.38
515	5.62	34.25	.53
622	5.13	34.34	.32

CREST: STATION 97.90

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.8	33.28	5.78
9	14.73	33.30	5.78
23	14.4	33.24	5.83
51	14.23	33.26	5.84
74	14.2	33.27	5.80
102	13.07	33.21	5.70
151	10.34	33.37	4.84
109	8.78	33.77	3.56
243	7.91	34.02	2.77
288	7.49	34.11	1.99
392	6.23	34.13	1.11
493	5.70	34.26	.59
598	5.25	34.34	.36

CREST: STATION 100.29

0	14.32	33.35	6.56
10	12.85	33.37	6.91
20	11.52	33.39	4.96
30	10.88	33.39	4.44
50	10.26	33.53	3.90
75	9.85	33.60	3.38

CREST: STATION 100.30

0	15.0	33.35	6.25
10	13.17	33.35	6.08
25	12.8	33.39	6.01
49	10.73	33.51	4.10
72	9.99	33.71	3.40
95	9.67	33.84	3.06
147	9.45	33.96	2.69
194	8.90	34.13	1.68
241	8.50	34.18	1.34
289	8.20	34.20	1.15
342	7.91	34.25	.97
392	7.30	34.27	.70

CREST: STATION 100.40

0	15.5	33.33	5.83
10	15.13	33.31	5.60
25	-	33.31	5.87
50	-	33.31	5.82
75	-	33.24	5.04
99	-	33.40	4.25
150	9.73	33.84	3.11
197	-	34.11	2.18
243	8.92	34.23	1.38
289	8.38	34.23	1.16
387	7.06	34.26	.85
480	6.31	34.29	.42
579	5.68	34.34	.39
772	4.73	34.39	.43
964	4.02	34.40	.63
1167	3.50	34.49	.80

CREST: STATION 100.50

0	14.9	33.35	6.00
10	14.8	33.32	5.77
25	14.5	33.35	5.87
51	11.04	33.35	4.54
75	10.5	33.35	3.98
98	9.98	33.68	3.46
148	9.42	33.95	2.79
196	9.10	34.07	2.29
243	8.41	34.12	2.02
288	7.82	34.22	1.37
388	7.00	34.27	.67
483	6.27	34.31	.36
585	5.71	34.36	.30

OBSERVED DEPTHS

CREST: STATION 100.60

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.4	33.37	5.30
9	15.28	33.37	5.49
24	14.9	33.37	5.64
48	14.7	33.37	5.67
72	14.2	33.26	5.76
95	11.8	33.19	5.07
145	9.90	33.57	3.91
187	-	33.87	2.96
230	8.58	34.04	2.46
274	8.07	34.09	2.12
366	7.33	34.40	0.96
454	6.46	34.23	0.70
548	5.82	34.31	0.40
735	4.90	34.42	0.35
922	4.18	34.43	0.54
1122	3.62	34.47	0.73

CREST: STATION 100.80

0	15.9	33.48	5.63
10	15.50	33.44	5.63
25	15.5	33.43	5.71
50	15.6	33.53	5.66
75	15.3	33.58	5.66
98	13.9	33.37	5.50
151	10.19	33.51	4.21
197	8.8	33.95	3.26
244	8.36	34.05	2.62
291	7.64	34.09	2.21
390	6.54	34.23	0.93
483	5.94	34.29	0.32
583	5.63	34.42	0.31
777	4.65	34.47	0.38
971	4.01	34.52	0.58
1174	3.44	34.58	0.84

CREST: STATION 100.70

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.9	33.57	5.60
10	15.86	33.58	5.60
25	15.8	33.57	5.58
50	15.54	33.58	5.62
74	15.5	33.57	5.67
98	15.23	33.57	5.60
150	10.64	33.51	4.43
196	9.10	33.91	3.37
242	8.65	34.02	2.60
290	8.19	34.11	2.18
388	7.15	34.16	1.38
486	6.34	34.29	0.49
589	5.83	34.38	0.46

CREST: STATION 100.90

0	16.0	33.68	5.64
10	15.97	33.68	5.61
25	16.2	33.68	5.56
55	15.78	33.68	5.56
80	14.8	33.66	5.51
106	12.41	33.40	4.80
160	9.72	33.69	3.63
212	8.70	34.00	2.85
269	7.88	34.07	2.44
316	7.48	34.11	1.80
425	6.46	34.18	0.95
532	5.75	34.29	0.41
641	5.11	34.36	0.34

OBSERVED DEPTHS

CREST: STATION 100.100			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.1	33.40	5.77
10	15.02	33.40	5.75
25	15.0	33.40	5.75
54	15.4	33.55	5.71
78	14.7	33.37	5.83
107	11.7	33.15	5.64
158	9.42	33.48	4.29
208	8.3	33.93	3.34
263	7.74	34.04	2.80
309	7.36	34.13	1.80
417	6.66	34.23	0.32
519	5.92	34.29	0.48
622	5.37	34.38	0.35
826	4.33	34.45	0.44
1032	3.77	34.52	0.68
1234	3.28	34.56	0.93

CREST: STATION 103.30			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	13.76	33.35	6.21
10	13.72	33.30	6.23
20	13.36	33.31	6.25
30	11.74	33.31	5.35
50	10.51	33.49	4.86

CREST: STATION 103.35			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.8	33.58	6.38
10	14.41	33.62	6.43
25	13.1	33.58	5.91
50	10.42	33.80	3.39
74	9.3	34.02	2.39
98	9.17	34.09	2.28
151	8.78	34.14	1.92
196	8.42	34.18	1.71
243	8.23	34.25	1.21
289	7.60	34.23	1.15
389	7.02	34.31	0.57
485	6.18	34.33	0.38
589	5.62	34.36	0.32

CREST: STATION 103.40			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.3	33.33	5.75
10	15.25	33.31	5.75
25	14.4	33.30	5.80
50	13.81	33.28	5.85
75	11.7	33.28	4.97
98	10.44	33.49	4.06
151	9.51	33.86	3.01
197	8.95	34.05	2.26
243	8.34	34.18	1.85
290	7.90	34.19	1.33
389	7.17	34.31	0.68
485	6.26	34.34	0.43
588	5.65	34.38	0.28

CREST: STATION 103.50			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.1	33.22	5.77
9	14.95	33.28	5.69
23	14.1	33.28	5.94
48	13.08	33.23	5.94
71	12.3	33.24	5.35
94	10.72	33.19	4.63
144	9.45	33.77	3.24
187	8.87	33.95	2.73
233	8.43	34.13	2.07
278	8.05	34.18	1.48
375	6.93	34.22	0.88
468	6.29	34.23	0.48
570	5.84	34.31	0.35

CREST: STATION 103.60			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.0	33.51	5.64
9	15.95	33.49	5.61
23	15.6	33.51	5.59
45	15.36	33.51	5.51
68	15.3	33.58	5.61
90	14.05	33.39	5.46
138	10.46	33.42	4.32
179	9.42	33.77	3.41
221	8.69	34.05	3.67 _a
265	8.16	34.08	2.18
358	7.27	34.20	1.07
448	6.46	34.27	0.50
548	5.96	34.38	0.29

OBSERVED DEPTHS

32

CREST: STATION 103.70

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.0	33.51	5.60
9	15.89	33.51	5.64
23	15.9	33.51	5.67
51	15.45	33.48	5.67
74	15.6	33.55	5.64
102	14.70	33.46	5.63
151	10.91	33.75	4.44
168e	8.99a	33.89a	3.38a
199	9.41	33.86	3.36
215g	8.50a	34.05a	2.82a
322	7.47	34.16	1.60
424	6.64	34.18	1.15
505	6.00	34.25	0.65

CREST: STATION 103.80

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.4	33.35	5.74
10	15.37	33.35	5.77
25	15.3	33.35	5.77
54	14.68	33.31	5.92
78	14.2	33.24	6.04
106	12.11	33.24	5.39
157	9.80	33.64	3.78
207	8.94	33.98	2.98
262	- c	34.11	2.36
309	7.61	34.14	1.77
416	6.51	34.09	0.83
521	6.07	34.33	0.45
629	5.52	34.40	0.33

CREST: STATION 103.90

0	15.2	33.48	5.73
7	15.48	33.49	5.64
21	15.5	33.49	5.78
42	15.52	33.51	5.80
64	15.1	33.57	5.69
84	13.43	33.24	5.67
121	9.96	33.30	4.74
155	9.03	33.62	4.08
190	8.58	33.95	3.52
227	8.08	34.04	2.83
301	7.32	34.14	1.88
386	6.55	34.22	0.86
476	5.82	34.34	0.44

CREST: STATION 107.32

0	14.8	33.26	6.12
9	14.79	33.24	6.34
23	12.8	33.26	6.22
47	11.10	33.40	4.98
69	10.9	33.68	3.35
91	10.4	33.89	2.53
136	9.85	34.04	2.15
175	9.60	34.23	1.40
216	9.56	34.29	1.12
257	9.47	34.33	0.88
304	8.52	34.34	0.60
350	7.67	34.33	0.73
395	7.04	34.34	0.45
441	6.48	34.33	0.38

CREST: STATION 107.35

0	15.4	33.28	5.92
10	14.81	33.30	5.97
24	14.7	33.23	6.55
48	11.32	33.41	4.56
73	10.6	33.56	3.87
96	9.82	33.78	3.33
147	9.24	34.07	2.53
192	8.78	34.18	2.03
238	8.25	34.25	1.42
284	8.07	34.31	0.97
382	7.31	34.36	0.49
477	6.42	34.36	0.36
579	5.66	34.39	0.29

CREST: STATION 107.40

0	15.1	33.30	6.05
9	14.49	33.30	6.14
23	14.3	33.30	6.22
48	11.16	33.37	4.47
71	10.3	33.51	3.75
94	9.68	33.71	3.32
142	9.36	34.07	2.42
184	9.00	34.20	1.73
228	8.68	34.27	1.32
272	8.30	34.29	1.06
366	7.30	34.29	0.64
456	6.41	34.31	0.41
556	5.85	34.34	0.36

OBSERVED DEPTHS

83

CREST: STATION 107.50

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.0	33.28	5.92
10	14.95	33.26	6.15
24	15.1	33.28	5.90
48	13.86	33.25	6.86
73	13.5	33.21	5.53
96	11.99	33.30	5.62
146	9.65	33.68	3.54
191	8.97	33.97	2.75
236	8.45	34.11	2.48
280	8.15	34.20	1.61
378	7.54	34.34	0.60
472	6.56	34.33	0.40
575	5.86	34.34	0.33

CREST: STATION 107.60

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.1	33.60	5.61
9	16.12	33.60	5.67
23	16.1	33.60	5.65
48	15.92	33.61	5.70
71	15.9	33.63	5.67
94	15.79	33.66	5.56
141	11.04	33.69	4.37
185	9.47	33.75	3.80
229	8.64	33.66	2.81
273	8.24	34.13	2.11
367	7.52	34.22	0.93
461	6.38	34.22	0.70
561	6.12	34.33	0.38

CREST: STATION 107.70

0	16.1	33.49	5.72
10	16.10	33.48	5.74
25	16.2	33.49	5.64
50	15.62	33.55	5.75
73	15.4	33.60	5.69
80e	10.31a	33.58a	5.58a
98	15.27	33.62	5.47
149	10.26	33.46	4.54
195	10.21	34.02	2.18a
199e	9.51a	33.99a	2.83a
241	8.61	34.04	2.58
333g	7.65	34.16	1.32
474	6.58	34.24	0.57

CREST: STATION 107.80

0	15.5	33.33	5.72
10	15.32	33.35	5.74
25	15.1	33.33	5.75
49	15.04	33.39	5.77
74	14.5	33.31	5.80
98	12.64	33.22	5.66
148	9.95	33.51	4.37
195	9.17	33.94	3.30
242	8.61	34.09	2.70
268	8.74	34.31	1.30
386	7.54	34.33	0.60
482	6.68	34.38	0.39
586	6.02	34.42	0.28

CREST: STATION 110.33

0	13.82	33.28	6.14
10	13.79	33.33	6.24
19	13.30	33.28	6.17
28	11.40	33.55	3.94
43	10.96	33.65	3.36
72	10.40	33.78	2.68

CREST: STATION 110.35

0	14.7	33.25	6.03
9	14.62	33.30	6.11
22	14.7	33.26	6.01
44	13.3	33.31	6.35
66	10.7	33.60	3.71
87	10.6	33.37	2.19
131	10.14	34.09	1.72
170	10.1	34.23	1.47
209	9.68	34.31	1.02
249e	10.14a	34.27a	1.39a
333	8.04	34.42	0.47
416	7.41	34.42	0.50
505	6.51	34.40	0.31
592	6.00	34.40	0.29
685	5.28	34.42	0.32
874	4.46	34.42	0.46

OBSERVED DEPTHS

CREST: STATION 110.40

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.3	33.24	5.84
10	15.5	33.26	5.86
24	15.15	33.31	5.99
53	12.8	33.22	5.54
77	10.64	33.40	4.31
104	10.13	33.65	3.46
153	9.30	33.96	2.77
201	8.72	34.18	1.90
255	7.42a	34.43	1.30
300	7.95	34.31	0.94
404	7.15	34.38	0.53
506	6.28	34.36	0.36
613	5.48	34.34	0.30

CREST: STATION 110.50

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.2	33.31	5.83
9	15.17	33.31	5.87
22	15.2	33.37	5.87
49	14.2	33.37	5.87
70	13.0	33.37	5.32
96	10.9	33.48	4.17
139	9.90	33.79	3.29
181	9.5	34.02	2.69
228	8.79	34.12	2.02
268	8.44	34.18	1.51
360	7.61	34.34	0.84
449	6.70	34.29	0.50
540	6.16	34.33	0.38
721	5.10	34.42	0.34
910	4.28	34.47	0.53
1099	3.75	34.51	0.67

CREST: STATION 110.60

0	16.0	33.55	5.74
9	15.92	33.51	5.74
23	16.0	33.55	5.70
52	15.54	33.55	5.72
76	15.3	33.51	5.70
103	13.65	33.44	5.18
151	11.40	34.00	2.48
199	10.38	34.18	1.83
252	9.31	34.25	1.54
298	8.86	34.25	1.36
401	7.45	34.29	0.72
503	6.53	34.30	0.43
608	5.94	34.38	0.30

CREST: STATION 110.70

0	16.0	33.51	5.68
9	15.98	33.51	5.45
23	15.9	33.51	5.72
52	15.2	33.49	5.75
75	15.3	33.46	5.78
103	13.8	33.31	5.72
150	11.01	33.51	4.21
196	9.6	33.78	3.53
249	8.95	34.05	2.46
293	8.14	34.09	2.33
394	7.02	34.22	0.91
491	6.39	34.32	0.45
590	6.00	34.38	0.34
786	4.91	34.45	0.40
987	4.16	34.51	0.57
1188	3.56	34.52	0.81

OBSERVED DEPTHS

85

CREST: STATION 110.80

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.2	33.60	5.66
10	16.15	33.60	5.66
24	16.2	33.60	5.66
53	16.14	33.64	5.69
77	15.7	33.64	5.69
105	14.20	33.53	5.12
154	11.14	33.78	3.41
206	10.44	34.20	1.91
260	9.48	34.33	1.38
307	8.92	34.37	0.87
414	7.88	34.39	0.46
517	6.68	34.38	0.36
624	5.83	34.41	0.28

CREST: STATION 110.90

Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.3	33.66	5.45
9	16.27	33.66	5.57
24	16.2	33.69	5.59
48	16.4	33.68	5.55
72	15.7	33.68	5.55
96	15.6	33.62	5.24
143	12.04	33.89	3.12
194	11.2	34.22	1.67
241	10.72	34.38	1.17
269	10.27	34.45	0.91
365	8.92	34.42	0.65
456	7.54	34.42	0.34
550	6.85	34.42	0.50
737	5.27	34.46	0.27
924	4.38	34.47	0.47
1123	3.79	34.51	0.75

OBSERVED DEPTHS

86

BLACK DOUGLAS: STATION 113.30			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	12.61	33.62	5.24
10	12.44	33.71	5.24
20	12.20	33.62	4.70
30	12.14	33.64	4.39
50	11.46	33.73	2.78

BLACK DOUGLAS: STATION 113.35			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.6	33.31	6.76
9	14.52	33.30	6.69
22	14.3	33.31	6.75
49	14.04	33.35	6.79
71	10.6	33.39	5.35
95	10.42	33.55	4.66
135	9.67	33.91	3.62
173	8.95	34.09	2.86
217	9.36	34.34	1.22
255	8.52	34.33	1.20
347	7.86	34.38	0.65
440	7.06	34.40	0.46
542	6.13	34.38	0.35

BLACK DOUGLAS: STATION 113.40			
0	15.3	33.42	6.72
9	15.28	33.42	6.70
23	15.2	33.42	6.66
52	14.22	33.39	6.78
75	11.4	33.40	5.24
102	10.45	33.60	4.55
150	9.46	33.91	3.46
197	8.91	34.05	2.84
249	8.52	34.19	2.12
293	7.92	34.19	1.96
396	7.14	34.31	0.75
499	6.40	34.38	0.46
607	5.62	34.40	0.39

BLACK DOUGLAS: STATION 113.60			
0	15.3	-	6.66
9	15.26	33.40	6.64
23	15.2	33.40	6.82
51	14.26	33.28	6.82
73	13.4	33.25	6.31
98	12.61	33.24	6.60
141	10.70	33.61	4.60
183	9.16	33.86	3.98
231	8.86	34.16	2.79
271	8.22	34.16	2.25
368	7.32	34.27	0.95
466	6.70	34.32	0.58
571	6.12	34.38	0.39

BLACK DOUGLAS: STATION 113.70			
0	15.8	33.52	6.51
9	15.82	33.49	6.54
23	15.7	33.49	6.51
47	15.29	33.46	6.69
71	14.3	33.40	6.61
94	13.84	33.32	5.43
143	10.50	33.54	3.52
187	9.72	33.98	2.41
231	8.92	34.10	1.98
275	8.57	34.03	1.39
372	7.98	34.34	0.80
465	7.02	34.36	0.44
566	6.16	34.38	0.34

BLACK DOUGLAS: STATION 117.26			
0	14.99	33.62	6.82
10	14.90	33.60	6.86
20	14.30	33.57	7.02
30	12.56	33.57	5.20
50	10.96	33.64	4.06

OBSERVED DEPTHS

BLACK DOUGLAS:		STATION 117.30	
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.34	33.60	6.75
10	15.34	33.63	6.75
20	14.14	33.58	6.99
30	12.86	33.60	5.80
50	11.04	33.73	3.83
75	9.82	33.82	3.77

BLACK DOUGLAS:		STATION 117.40	
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.2	33.39	6.62
10	15.18	33.35	6.69
25	14.6	33.33	6.83
50	14.01	33.31	6.94
74	13.2	33.39	6.57
98	11.02	33.44	6.38
150	10.54	34.02	2.76
196	9.98	34.36	1.49
243	9.58	34.42	0.89
290	8.82	34.45	0.72
388	7.44	34.35	0.64
484	6.58	34.36	0.46
587	5.84	34.45	0.33

BLACK DOUGLAS:		STATION 117.50	
0	16.0	33.51	6.43
10	16.08	33.51	6.48
24	16.0	33.51	6.53
48	15.32	33.53	6.56
72	15.1	33.34	6.80
95	13.76	33.49	5.87
144	11.14	33.89	3.39
188	9.90	34.04	2.89
232	10.10	34.36	1.25
276	9.78	34.43	0.84
370	8.16	34.40	0.58
463	7.16	34.40	0.37
565	6.14	34.36	0.34

BLACK DOUGLAS:		STATION 117.60	
0	16.3	33.53	6.54
9	16.30	33.53	6.50
23	16.2	33.53	6.52
52	14.90	33.42	6.79
75	14.4	33.39	6.63
102	13.06	33.44	5.87
151	10.24	33.71	4.21
195	10.44	34.29	1.72
246	9.67	34.38	1.21
288	9.26	34.43	0.76
389	7.94	34.42	0.47
489	6.90	34.40	0.35
596	5.99	34.38	0.30

BLACK DOUGLAS:		STATION 117.70	
0	16.4	33.58	6.50
9	16.40	33.59	6.51
23	16.3	33.64	6.45
47	15.16	33.48	6.61
70	14.7	33.41	6.67
93	12.30	33.48	5.19
141	10.44	33.89	3.28
183	9.59	34.11	2.52
226	8.87	34.21	2.22
269	8.83	34.34	1.23
361	7.93	34.38	0.79
452	6.99	34.37	0.51
552	6.24	34.41	0.33

BLACK DOUGLAS:		STATION 120.25	
0	15.94	33.62	6.75
10	15.72	33.62	6.72
20	15.32	33.62	6.85
30	14.14	33.62	6.55

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 120.30			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.18	33.51	6.86
10	15.17	33.48	6.90
20	14.64	33.44	6.99
30	13.95	33.53	6.62
50	12.22	33.62	4.37

BLACK DOUGLAS: STATION 120.35			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.48	33.53	6.66
10	15.48	33.53	6.71
20	15.49	33.53	6.73
30	15.38	33.53	6.74
50	14.66	33.60	6.57

BLACK DOUGLAS: STATION 120.45			
0	16.2	33.61	6.53
10	16.28	33.62	6.55
25	15.5	33.60	6.62
50	13.5	33.42	6.95
74	11.4	33.55	4.82
98	10.84	33.69	4.20
150	9.94	34.13	2.71
196	10.24	34.42	1.14
289	8.73	34.38	0.92
386	7.36	34.34	0.61
479	6.66	34.42	0.34
578	5.93	34.42	0.31
770	4.90	34.43	0.46
961	4.24	34.49	0.60
1162	3.64	34.54	0.90

BLACK DOUGLAS: STATION 120.50			
0	16.2	33.68	6.72
10	16.14	33.68	6.80
25	14.5	33.73	6.34
49	12.06	33.79	4.23
73	10.6	34.02	2.86
98	10.34	34.13	2.40
148	10.13	34.40	1.05
194	9.31	34.45	0.93
239	8.60	34.36	1.14
284	8.31	34.36	0.80
382	7.53	34.39	0.43
477	6.62	34.43	0.31
579	5.88	34.40	0.39

BLACK DOUGLAS: STATION 120.60			
0	16.4	33.49	6.50
10	16.25	33.49	6.53
24	16.0	33.49	6.54
49	15.1	33.49	6.50
73	14.6	33.46	6.62
97	12.88	33.35	6.14
148	10.14	33.80	3.99
192	9.74	34.09	2.66
283	9.48	34.43	0.81
378	8.22	34.43	0.58
469	7.31	34.43	0.38
565	6.34	34.43	0.32
752	5.12	34.47	0.47
939	4.30	34.51	0.60
1138	3.62	34.58	0.82

BLACK DOUGLAS: STATION 120.70			
0	16.2	33.62	6.50
9	16.21	33.55	6.50
23	16.2	33.48	6.57
51	15.20	33.51	6.54
73	14.7	33.51	6.63
100	13.00	33.41	5.66
146	11.16	33.78	3.78
191	10.52	34.18	2.18
242	10.32	34.42	1.27
285	9.94	34.51	0.74
387	8.68	34.51	0.39
486	7.72	34.51	0.25
592	6.84	34.51	0.18

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 120.80			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.5	33.58	6.52
9	16.48	33.57	6.48
23	16.4	33.57	6.59
52	15.6	-	-
75	15.2	33.58	6.58
103	15.16	33.89	6.57
152	10.76	33.68	4.54
199	9.79	34.07	3.01
396	8.05	34.18	2.14
296	7.04	34.26	1.28
492	6.37	34.33	0.54
588	5.94	34.43	0.37
779	4.83	34.47	0.42
977	4.16	34.56	0.61
1172	3.64	34.54	0.03

BLACK DOUGLAS: STATION 120.90			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.2	33.77	6.45
9	17.18	33.77	6.36
23	17.2	33.84	6.35
52	16.52	33.84	6.41
74	16.1	33.86	6.35
76e	16.38a	33.86	5.99a
101	13.23	33.60	5.61
119g	11.90	33.80	4.08
167	9.74	33.96	3.81
241	9.37	34.20	2.25
346	7.98	34.34	0.93
458	7.04	34.38	0.51
576	6.12	34.43	0.32

BLACK DOUGLAS: STATION 123.37			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.24	33.75	7.51
10	13.40	33.77	6.53
20	11.74	33.71	4.51
30	11.46	33.82	3.71
50	11.43	34.00	2.66

BLACK DOUGLAS: STATION 123.40			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	14.8	33.55	6.88
9	14.68	33.55	6.86
23	12.8	33.49	5.81
45	12.44	33.73	4.71
67	10.9	33.78	3.71
87	11.17	34.07	2.79
126	10.86	34.38	1.39
160	10.59	34.43	1.00
197	9.80	34.43	0.99
236	9.62	34.51	-
282	9.16	34.51	0.45
325	8.62	34.51	0.44
371	8.00	34.47	0.37

BLACK DOUGLAS: STATION 123.50			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.8	33.55	6.61
10	15.92	33.57	6.59
24	16.1	33.51	6.62
48	14.82	33.40	6.69
72	13.9	33.30	6.54
94	11.76	33.37	5.61
144	10.56	34.07	2.67
187	10.12	34.25	1.87
230	9.38	34.33	1.50
275	8.65	34.33	1.22
369	7.94	34.43	0.43
462	6.70	34.38	0.40
562	6.08	34.40	0.36

BLACK DOUGLAS: STATION 123.60			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.5	33.64	6.43
10	16.50	33.64	6.44
25	16.1	33.68	6.43
50	15.48	33.61	6.56
74	14.7	33.53	6.54
98	13.80	33.51	5.71
150	10.96	33.84	3.37
196	9.79	34.18	2.24
242	9.58	34.38	1.22
288	9.11	34.42	0.86
387	8.04	34.42	0.50
482	6.78	34.38	0.39
586	5.88	34.42	0.37

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 127.34			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	13.84	33.78	6.04
10	13.82	33.78	6.03
20	13.74	33.78	5.31
30	13.61	33.78	5.67
50	12.21	33.80	3.45

BLACK DOUGLAS: STATION 127.40			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.1	33.58	6.87
10	15.09	33.57	6.87
25	14.5	33.58	6.41
55	11.38	33.68	4.40
79	10.8	33.96	3.43
108	10.60	34.09	2.48
164	10.50	34.43	1.15
211	9.75	34.43	0.87
267	9.08	34.51	0.76
313	8.57	34.43	0.45
421	7.28	34.36	0.42
526	6.30	34.43	0.30
634	5.61	34.45	0.29

BLACK DOUGLAS: STATION 127.50			
0	16.8	33.87	6.39
9	16.77	33.89	6.43
23	16.8	33.89	6.41
46	16.68	33.89	6.41
69	16.2	33.78	6.30
90	13.32	33.64	5.59
131	10.79	33.89	3.82
169	9.73	34.14	2.62
206	9.36	34.29	1.88
246	9.27	34.33	1.33
332	8.58	34.51	0.52
420	7.74	34.45	0.34
517	6.68	34.42	0.27

BLACK DOUGLAS: STATION 127.60			
0	17.2	33.89	6.88
10	17.12	33.87	6.84
23	16.9	33.90	6.90
48	16.80	33.84	6.90
71	16.3	33.83	6.92
94	14.80	33.67	5.99
142	10.85	33.82	4.01
184	9.67	34.05	3.23
226	9.01	34.20	2.50
269	8.83	34.32	2.06
362	7.82	34.38	0.73
453	7.07	34.39	0.39
554	6.48	34.40	0.53

BLACK DOUGLAS: STATION 130.30			
0	16.70	33.89	6.76
10	16.37	33.87	6.83
20	16.19	33.85	6.78
30	14.13	33.78	6.01
50	13.34	34.07	2.93

BLACK DOUGLAS: STATION 130.35			
0	15.64	33.62	6.77
10	15.64	33.60	6.81
24	15.48	33.64	7.00
49	14.24	33.66	6.29
74	12.00	33.73	4.16
99	11.25	33.95	3.01
123	10.51	34.05	2.69
153	10.76	34.27	1.88

OBSERVED DEPTHS

BLACK DOUGLAS: STATION 130.40			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.1	34.18	6.64
9	17.10	34.14	6.41
23	17.1	34.18	6.40
51	16.8	34.14	6.44
74	13.5	33.93	3.37
100	12.03	33.93	3.17
147	11.78	34.51	0.80
193	11.12	34.60	0.55
285	9.78	34.51	0.32
384	8.45	34.49	0.36
482	7.08	34.42	0.27
576	6.37	34.43	0.28
762	5.13	34.49	-
954	4.22	34.49	-
1148	3.78	34.49	0.71

BLACK DOUGLAS: STATION 130.50			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.3	33.77	6.77
10	16.33	33.84	-
24	16.3	33.80	6.66
53	14.91	33.64	6.89
77	14.2	33.63	6.13
105	12.27	33.69	3.93
155	10.17	33.96	3.23
203	9.54	34.13	2.33
257	9.50	34.45	0.99
302	9.37	34.49	0.52
408	8.19	34.52	0.27
510	6.88	34.43	0.24
618	6.04	34.45	0.22

BLACK DOUGLAS: STATION 130.60			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	15.8	33.51	6.62
10	15.65	33.53	6.70
24	15.8	33.60	6.62
48	15.1	33.55	6.63
72	15.1	33.66	5.98
95	14.20	33.55	6.17
145	11.54	33.97	3.12
187	10.43	34.14	2.22
273	8.64	34.31	1.79
363	8.39	34.42	0.60
450	7.48	34.43	0.39
542	6.54	34.45	0.26
721	5.28	34.46	0.36
903	4.43	34.51	0.54
1100	3.82	34.60	0.77

BLACK DOUGLAS: STATION 133.25			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	16.18	33.91	-
10	15.88	33.87	-
20	14.98	33.78	6.59
30	14.29	33.77	6.18
50	14.20	34.07	4.35

BLACK DOUGLAS: STATION 133.30			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.0	34.07	6.50
10	17.04	34.07	6.49
25	15.3	33.82	7.15
50	13.8	33.80	5.91
75	12.4	34.04	3.00
101	12.00	34.27	2.34
126	11.92	34.51	0.54a
155	11.30	34.54	0.80

BLACK DOUGLAS: STATION 133.40			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.5	34.13	6.32
9	17.50	34.07	6.35
23	17.3	34.16	6.29
48	17.11	34.29	6.30
72	15.5	34.14	5.79
95	12.64	33.30	4.05
145	11.11	34.23	1.95
189	10.78	34.43	1.18
234	10.29	34.52	0.61
280	9.47	34.51	0.46
375	8.52	34.49	0.38
468	7.42	34.47	0.30
570	6.34	34.45	0.31

OBSERVED DEPTHS

92

BLACK DOUGLAS: STATION 133.50			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	18.2	34.25	6.18
9	18.18	34.23	6.17
23	18.0	34.20	6.16
47	17.7	34.18	6.19
70	16.3	34.14	5.99
93	13.88	33.75	5.07
139	10.76	33.96	3.10
180	11.05	34.40	1.26
221	10.16	34.48	0.92
264	9.77	34.49	0.93
355	8.56	34.51	0.35
444	7.63	34.43	0.34
544	6.67	34.47	0.24

BLACK DOUGLAS: STATION 133.60			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	18.4	34.27	6.20
10	18.33	34.27	6.23
25	18.1	34.27	6.41
50	17.1	34.09	6.59
73	14.7	33.73	5.44
97	12.64	33.80	4.32
148	10.89	34.13	2.50
194	11.11	34.49	1.05
239	10.17	34.49	0.90
285	9.61	34.50	0.49
324	8.32	34.49	0.34
479	7.27	34.43	0.27
582	6.36	34.44	0.21

BLACK DOUGLAS: STATION 137.23			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.34	34.13	6.32
10	17.24	34.09	-
20	16.50	34.28	5.92
30	15.66	34.09	5.73
50	15.06	34.29	3.78

BLACK DOUGLAS: STATION 137.30			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	18.0	34.16	6.60
9	17.60	34.14	6.51
23	16.9	33.93	5.94
47	14.0	33.87	5.22
71	13.54	34.14	3.10
94	13.05	34.31	1.48
144	11.30	34.58	0.47
190	11.14	34.63	0.32
236	10.90	34.61	0.18
283	10.67	34.65	0.19

BLACK DOUGLAS: STATION 137.40			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.8	34.20	6.33
10	17.76	34.20	6.26
25	17.0	34.19	6.61
54	16.3	34.09	6.41
70	14.5	33.93	5.59
106	13.00	34.11	2.61
156	11.70	34.40	1.33
205	11.03	34.58	0.63
260	10.47	34.61	0.33
305	9.28	34.51	0.33
410	8.14	34.49	0.33
513	6.90	34.43	0.25
619	5.94	34.47	0.26

BLACK DOUGLAS: STATION 137.50			
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.8	34.16	6.07
9	17.85	34.14	6.05
24	17.8	34.20	6.20
43	17.3	34.11	6.30
72	15.1	33.93	5.87
95	12.22	33.73	4.44
144	10.92	34.16	2.47
188	11.14	34.58	1.08
231	10.78	34.61	0.46
275	9.75	34.52	0.55
371	8.46	34.51	0.41
464	7.58	34.51	0.19
565	6.54	34.49	0.21

OBSERVED DEPTHS

BLACK DOUGLAS:		STATION 137.60	
Depth	T	S	O ₂
(m)	(°C)	(‰)	(ml/L)
0	17.9	34.09	6.32
10	18.04	34.12	6.16
25	17.9	34.14	6.16
49	16.9	33.93	6.41
73	16.9	34.18 a	6.02
98	13.04	33.78	4.39
148	10.97	34.12	2.62
193	10.73	34.44	1.26
239	10.40	34.54	0.69
264	9.62	34.54	0.51
383	8.52	34.51	0.30
478	7.28	34.42	0.24
581	6.38	34.43	0.23

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.

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