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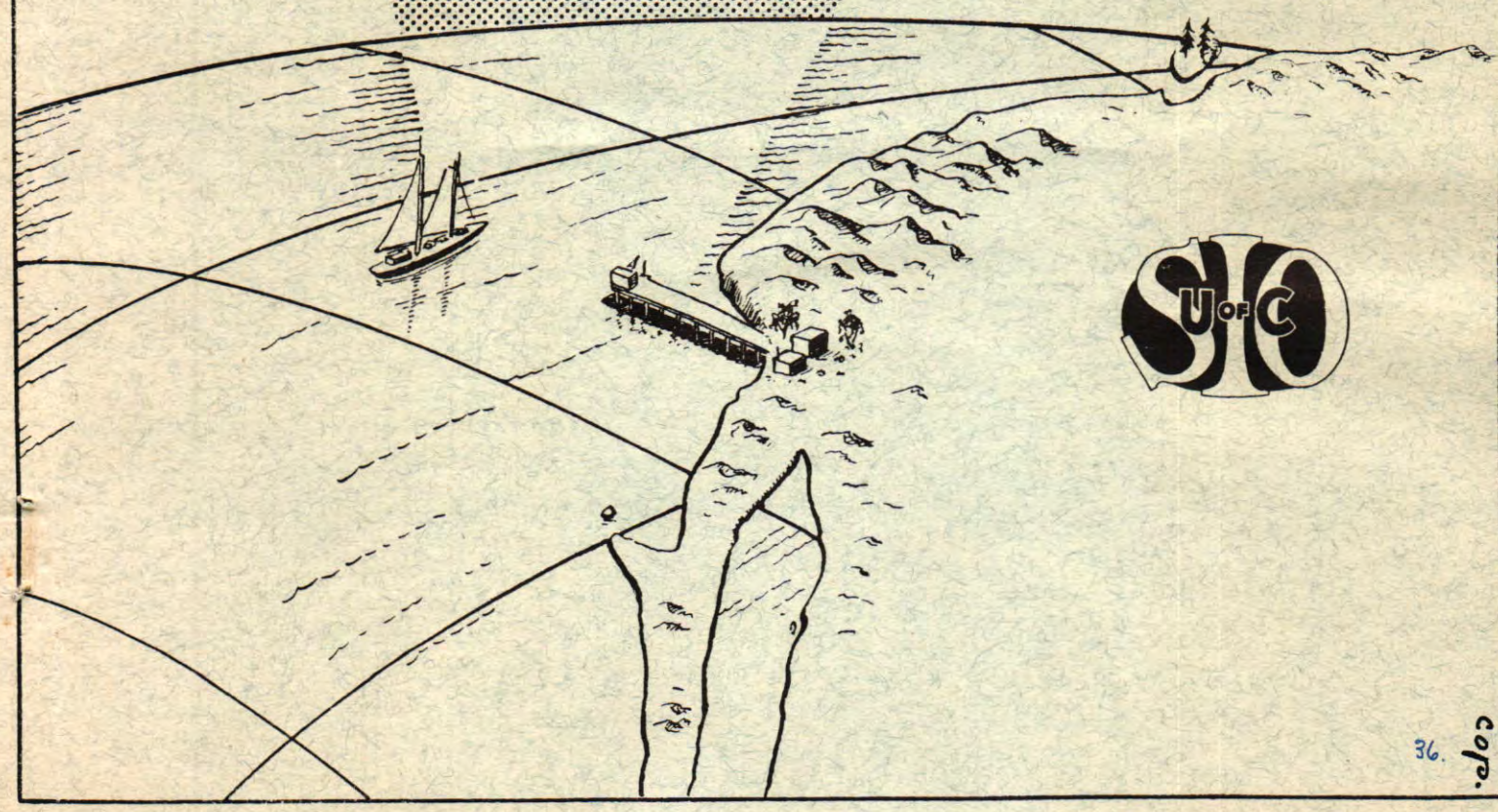
PHYSICAL AND CHEMICAL DATA

CRUISE 4 - MAY 28 TO JUNE 10, 1949
MARINE LIFE RESEARCH PROGRAM

MARINE LIFE RESEARCH
DIVISION III, PHYSICAL OCEANOGRAPHY
DIVISION OF CHEMICAL OCEANOGRAPHY



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PHYSICAL AND CHEMICAL DATA

CRUISE 4 - MAY 28 TO JUNE 10, 1949

MARINE LIFE RESEARCH PROGRAM

Report prepared October 3, 1949

Physical and Chemical Data Report No. 4

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INTRODUCTION

The data presented in this report were collected on the fourth full-scale cruise conducted in the Marine Life Research Program. The three ships participating were the MV HORIZON and the MV CREST, of the Scripps Institution of Oceanography, and the MV BLACK DOUGLAS, of the U. S. Fish and Wildlife Service.

Data are presented in the form of tabulated values at standard depths and of charts of horizontal distribution of certain quantities at selected depths. In the tabulated data extrapolated values are indicated by parentheses. The time given is the time when the messenger was released. When more than one cast was made on a station, each messenger time and each wire angle is given. Horizontal lines signify the depth to which each cast reached. On the charts of horizontal distribution a circle is drawn around the station dot if the quantity represented is missing for a station.

The original data and the data as modified during various steps in processing are on file with Division III of Physical Oceanography and with the Division of Chemical Oceanography. Copies may be made available. The data are processed on the six standard forms of these divisions. These forms and their use will be described in a separate technical report which is being prepared.

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

Carl Eckart, Director of the Scripps Institution of Oceanography
Roger Revelle, Associate Director

Oceanographers

Leipper, Dale F., Assistant Oceanographer
Reid, Robert O., Assistant Oceanographer
Wooster, Warren S., Associate in Oceanographer
Horrer, Paul L., Associate in Oceanography

Marine Superintendents

Faughn, James L., Engineering
Mann, Herbert J., Technical
Stose, Clemens W., Hull

Ships' Captains

Austin, Milton L., MV CREST
Olsen, Edward B., MV HORIZON
Hathaway, Paul, MV BLACK DOUGLAS

Technicians

Huffer, Robert P.,	Senior Marine Technician
Marquardt, Robert L.,	" " "
Mead, Richard V.,	" " "
Sampson, Robert K.,	" " "
Beckwith, Warren W.,	Marine Technician
Carlson, Deane R.,	" "
Clark, Peter S.,	" "
Drummond, Kenneth H.,	" "
Gossett, David A.,	" "
Johnson, Norman W.,	" "
Moberg, Erik W.,	" "
Preish, Robert P.,	" "
Worrall, Charles G.,	" "
Bieri, Robert	Marine Technician, Chemical
Fitch, Robert M.,	" " "
Malm, Paul W.	" " "
Wangersky, Peter J.,	" " "

Office Personnel, Chemical Oceanography

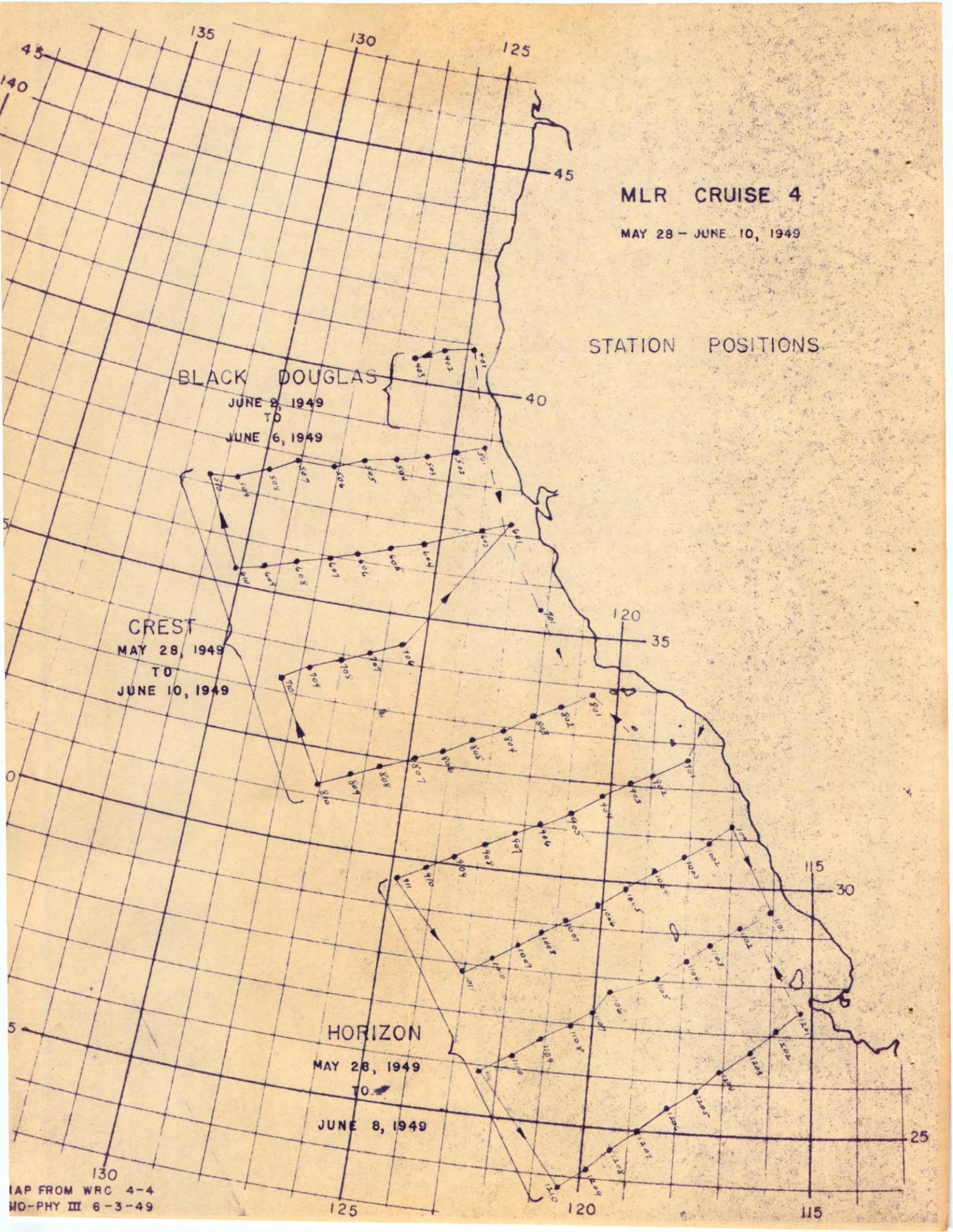
Dinkel, Charles C., Senior Laboratory Technician
Freeman, Claire R., Laboratory Technician
Lodge, Mary Ann, Laboratory Technician
Spix, William L., Assistant in Marine Chemistry
Sullivan, Jean E., Laboratory Technician

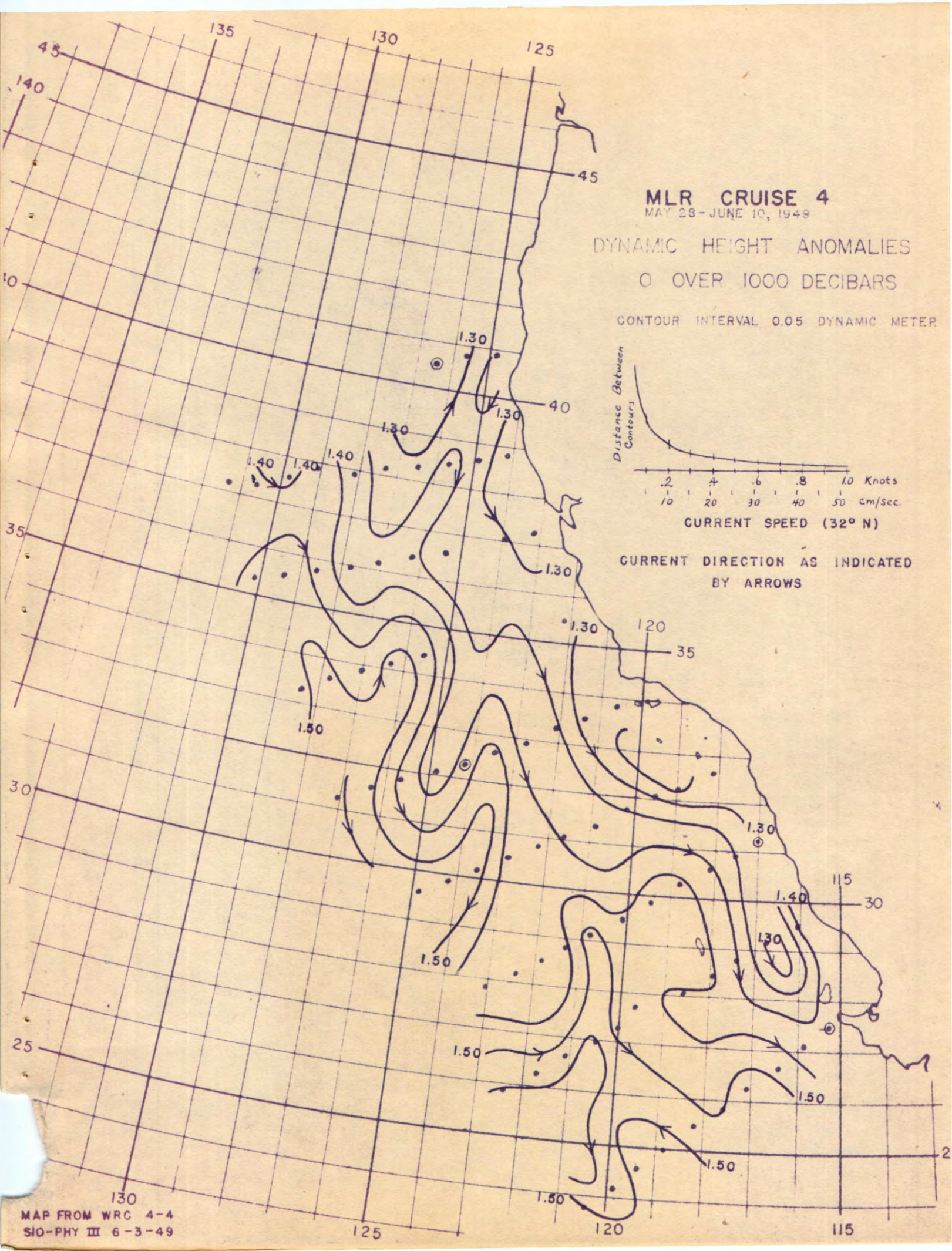
Office Personnel, Physical Oceanography

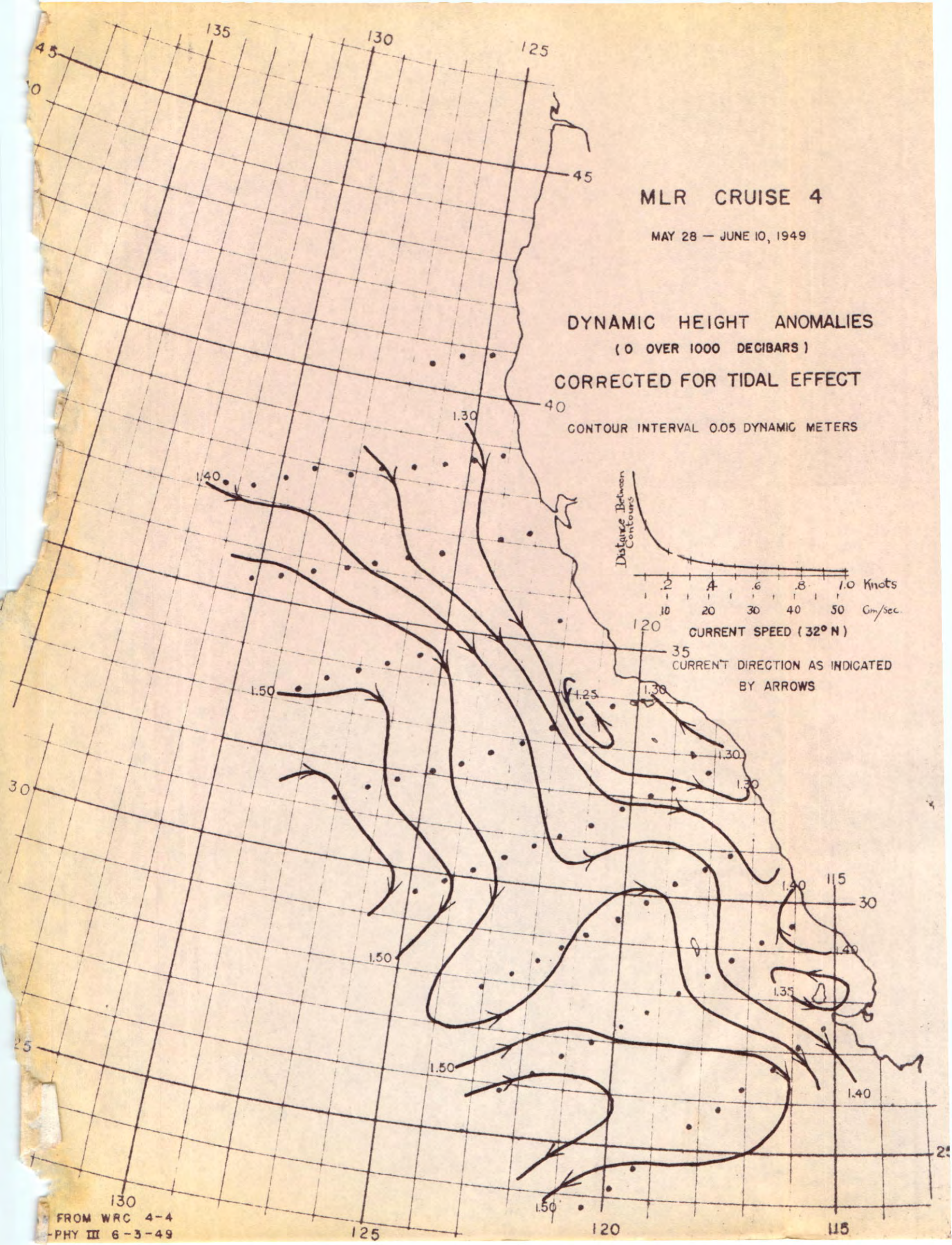
Howard, Francis J., Research Assistant
Godfrey, Mary Lynne, Engineering Aide
Klein, Hans T., Senior Engineering Aide
Mao, Han-Lee, Research Assistant
McLatchie, Faye, Meteorologist
Reid, Joseph L., Research Assistant
Stoneback, Mary E., Engineering Aide
Watters, Ardis H., Typist-Clerk
Wilburn, Virginia A., Statistician

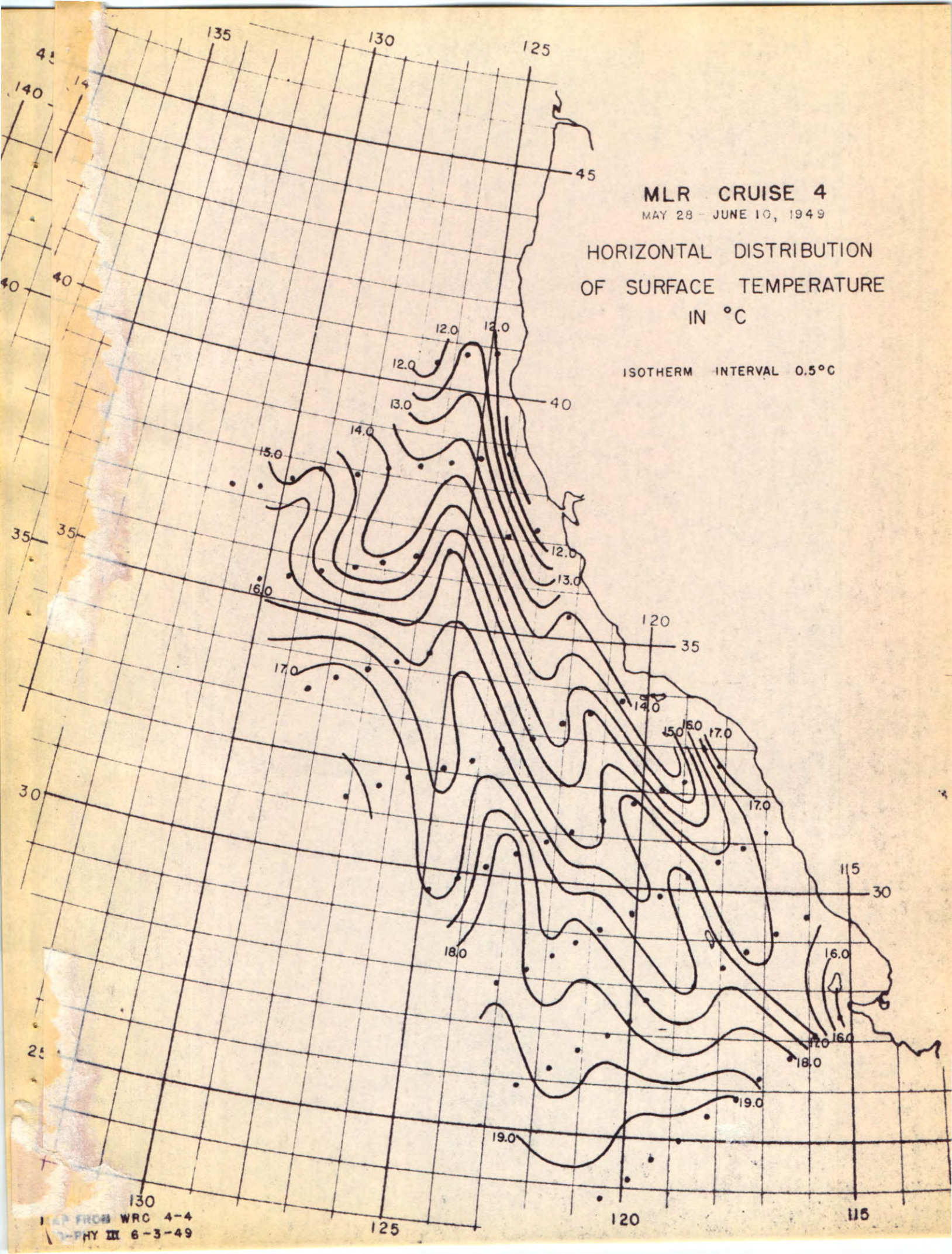
Personnel Assisting the MLR Program in the Collection of Data for this Report

Bastos, Luciano F., Lt. Comdr., Portuguese Navy
Cifelli, Richard, Research Assistant, Scripps Institution of Oceanography
Cox, David, Marine Chemist, Fish and Wildlife Service
Eckles, Howard H., Marine Fishery Research Biologist, Fish and Wildlife Service
Fernandes, Jose A. B., Lt. Comdr., Portuguese Navy
Maher, John R., Research Assistant, Scripps Institution of Oceanography
Osborn, Palmer, Research Assistant, Scripps Institution of Oceanography
Paya, Charles H., Marine Fishery Research Biologist, Fish and Wildlife Service
Wallis, Orthello, Marine Fishery Research Biologist, Fish and Wildlife Service
Widrig, Theodore, Fishery Statistician, Fish and Wildlife Service

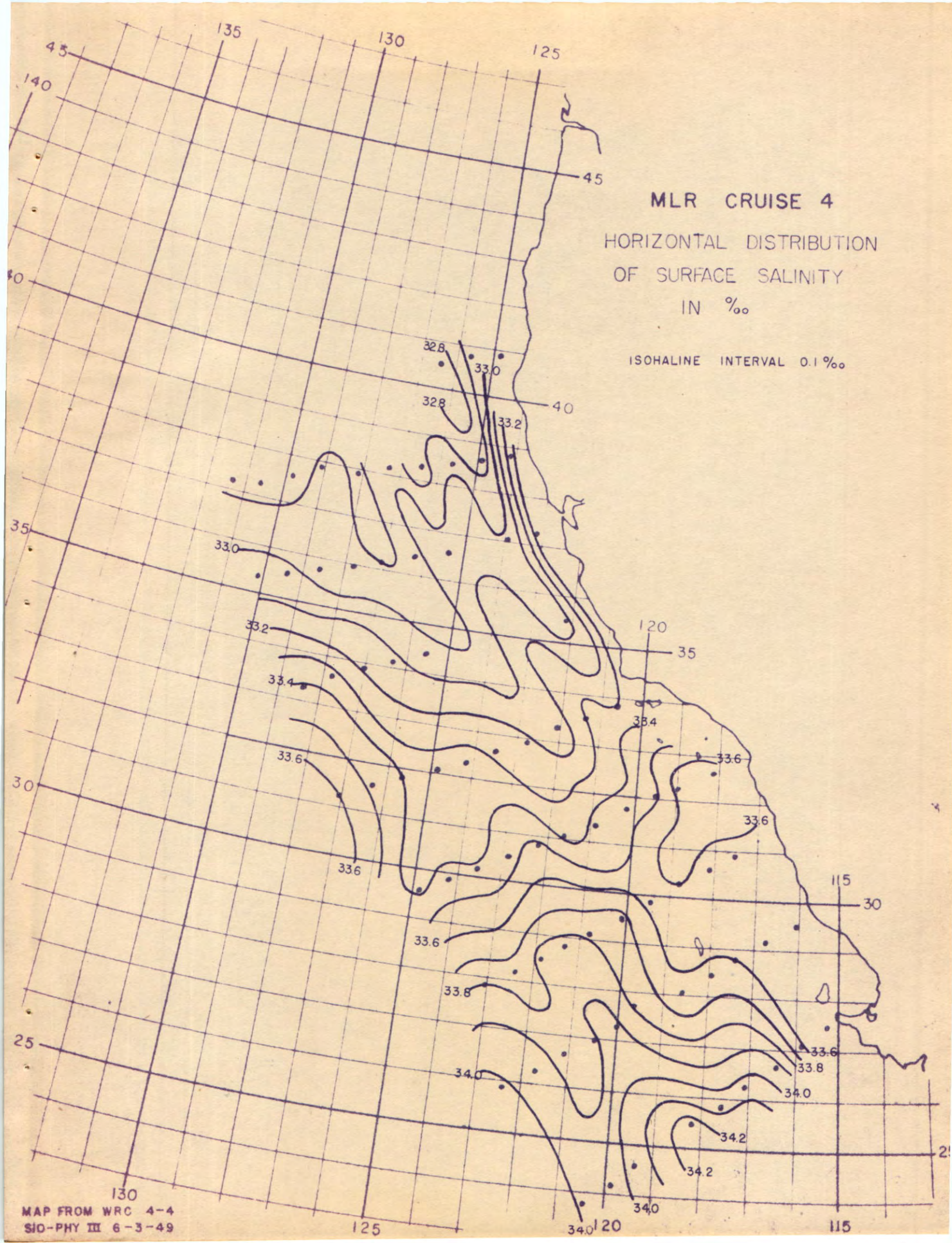

MLR CRUISE 4
MAY 28 – JUNE 10, 1949
STATION POSITIONS
BLACK DOUGLAS
JUNE 2, 1949
TO
JUNE 6, 1949
CREST
MAY 28, 1949
TO
JUNE 10, 1949
HORIZON
MAY 28, 1949
TO
JUNE 8, 1949
135
130
125
120
115
45
40
35
30
25
140
MAP FROM WRC 4-4
BIO-PHY III 6-3-49

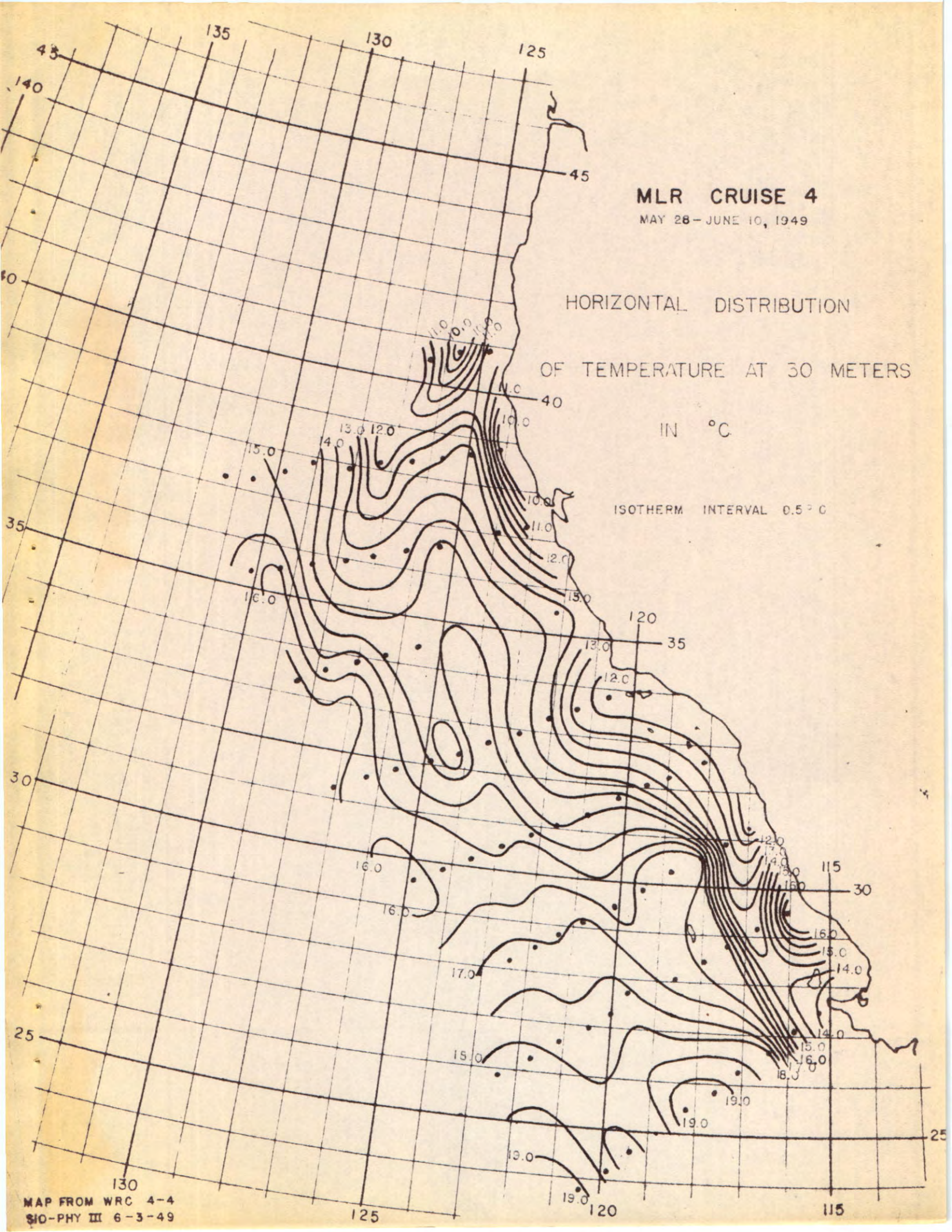

MLR CRUISE 4
MAY 28 - JUNE 10, 1949
DYNAMIC HEIGHT ANOMALIES
0 OVER 1000 DECIBARS
CONTOUR INTERVAL 0.05 DYNAMIC METER
Distance Between Contours
.2 .4 .6 .8 1.0 Knots
10 20 30 40 50 cm/sec.
CURRENT SPEED (32° N)
CURRENT DIRECTION AS INDICATED BY ARROWS
1.30
1.40
1.50
135
130
125
120
115
45
40
35
30
25
MAP FROM WRC 4-4
SIO-PHY III 6-3-49

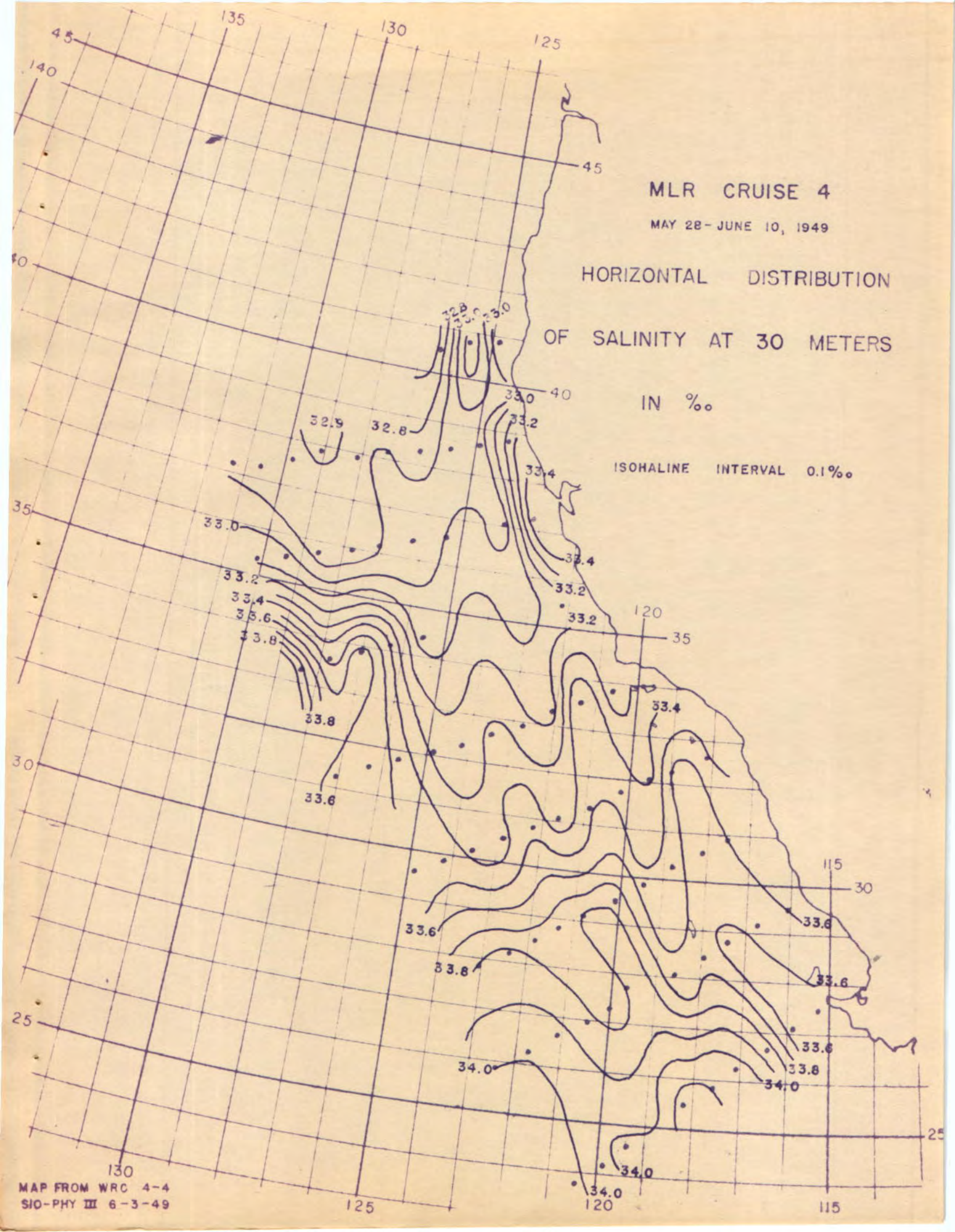

MLR CRUISE 4
MAY 28 — JUNE 10, 1949
DYNAMIC HEIGHT ANOMALIES
(0 OVER 1000 DECIBARS)
CORRECTED FOR TIDAL EFFECT
CONTOUR INTERVAL 0.05 DYNAMIC METERS
Distance Between Contours
.2 .4 .6 .8 1.0 Knots
10 20 30 40 50 Cm/sec
CURRENT SPEED (32° N)
CURRENT DIRECTION AS INDICATED BY ARROWS
135
130
125
120
115
45
40
35
30
25
1.40
1.30
1.50
1.25
1.35
FROM WRC 4-4
-PHY III 6-3-49

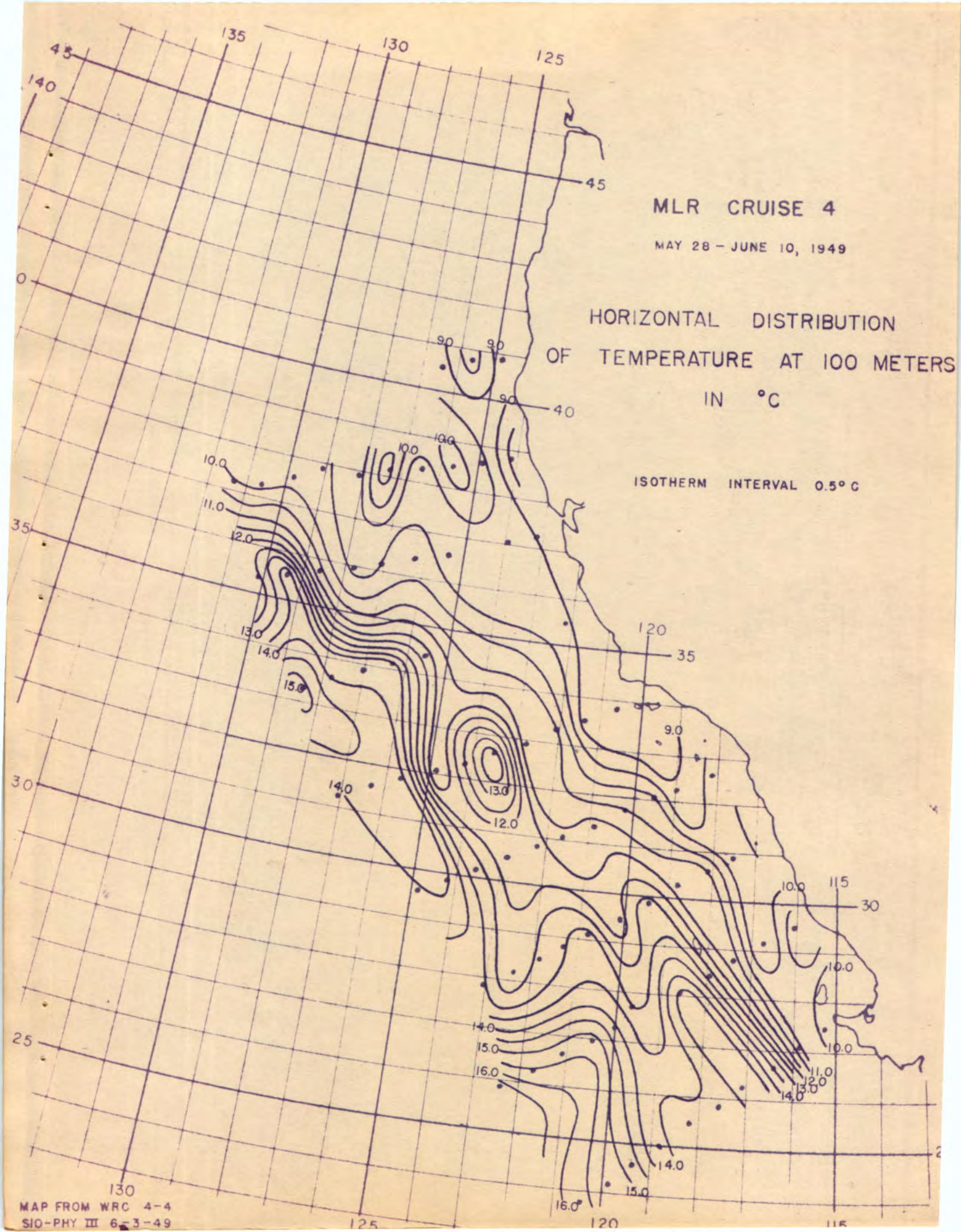


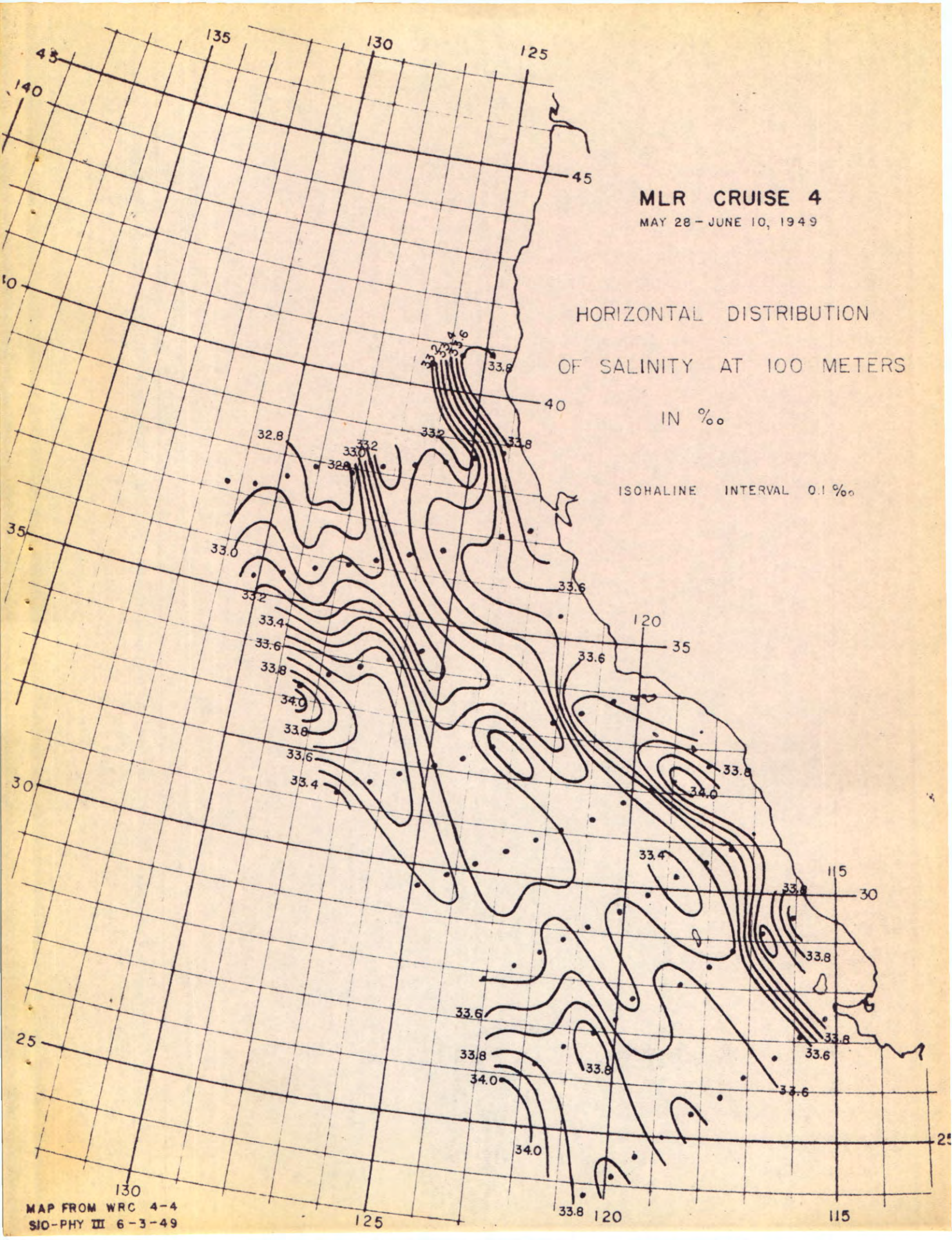
MAP FROM WRC 4-4
J-PHY III 6-3-49

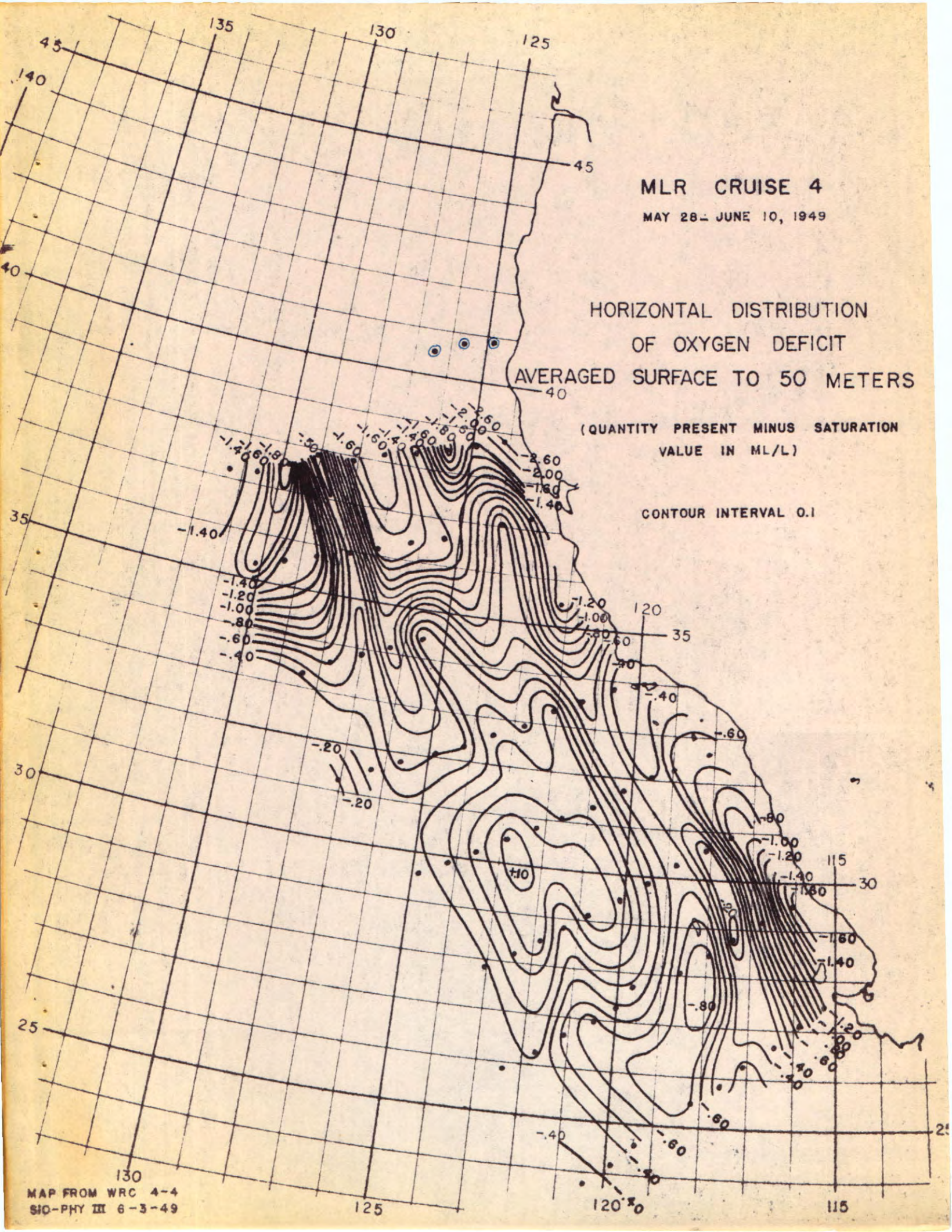

MLR CRUISE 4
HORIZONTAL DISTRIBUTION
OF SURFACE SALINITY
IN ‰
ISOHALINE INTERVAL 0.1 ‰
135
130
125
120
115
45
40
35
30
25
32.8
33.0
33.2
33.4
33.6
33.8
34.0
34.2
MAP FROM WRC 4-4
SIO-PHY III 6-3-49


MLR CRUISE 4
MAY 28 – JUNE 10, 1949
HORIZONTAL DISTRIBUTION
OF TEMPERATURE AT 30 METERS
IN °C
ISOTHERM INTERVAL 0.5° C
MAP FROM WRC 4-4
SIO-PHY III 6-3-49


MLR CRUISE 4
MAY 28 - JUNE 10, 1949
HORIZONTAL DISTRIBUTION
OF SALINITY AT 30 METERS
IN ‰
ISOHALINE INTERVAL 0.1‰
MAP FROM WRC 4-4
SIO-PHY III 6-3-49


MLR CRUISE 4
MAY 28 – JUNE 10, 1949
HORIZONTAL DISTRIBUTION
OF TEMPERATURE AT 100 METERS
IN °C
ISOTHERM INTERVAL 0.5° C
MAP FROM WRC 4-4
SIO-PHY III 6-3-49


MLR CRUISE 4
MAY 28 - JUNE 10, 1949
HORIZONTAL DISTRIBUTION
OF SALINITY AT 100 METERS
IN ‰
ISOHALINE INTERVAL 0.1 ‰
MAP FROM WRC 4-4
SIO-PHY III 6-3-49


MLR CRUISE 4
MAY 28 – JUNE 10, 1949
HORIZONTAL DISTRIBUTION
OF OXYGEN DEFICIT
AVERAGED SURFACE TO 50 METERS
(QUANTITY PRESENT MINUS SATURATION
VALUE IN ML/L)
CONTOUR INTERVAL 0.1
MAP FROM WRC 4-4
SIO-PHY III 6-3-49

STATION 401 (Interpolated Values at Standard Depths)

Black Douglas: 40°51'N 124°50'W June 2, 1949 0500 GCT Wire angle: 30° Sounding: missing Depth of observation: 1,158 m. Weather: partly cloudy Sea: high Wind 320°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	11.96	32.83	24.93	303.4	.0000	-	-
10	12.00	32.83	24.93	304.2	.0305	-	-
20	11.99	32.83	24.93	304.3	.0610	-	-
30	11.96	32.84	24.94	303.3	.0916	-	-
50	11.67	33.00	25.12	286.7	.1508	-	-
75	9.85	33.48	25.81	221.2	.2147	-	-
100	9.29	33.80	26.15	189.1	.2663	-	-
150	8.74	33.98	26.38	168.4	.356	-	-
200	8.52	34.04	26.46	161.6	.439	-	-
250	8.00	34.07	26.56	152.4	.519	-	-
300	6.84	34.09	26.75	135.3	.591	-	-
400	5.99	34.18	26.93	119.1	.719	-	-
500	5.55	34.23	27.02	111.0	.835	-	-
600	5.20	34.24	27.07	107.1	.945	-	-
700	4.92	34.25	27.11	103.7	1.052	-	-
800	4.65	34.25	27.14	101.6	1.155	-	-
1000	4.02	34.26	27.22	95.2	1.354	-	-

STATION 402 (Interpolated Values at Standard Depths)

Black Douglas: 40°41'N 125°41'W June 6, 1949 0032 GCT Wire angle: 28° Sounding: 1,660 Depth of observation: 1,092 m. Weather: clear Sea: high Wind: 340°, force 3.

0	12.68	32.92	24.87	309.6	.0000	-	-
10	12.04	32.95	25.01	296.1	.0304	-	-
20	10.40	33.02	25.36	262.8	.0585	-	-
30	9.03	33.14	25.68	232.8	.0834	-	-
50	8.68	33.21	25.79	222.7	.1291	-	-
75	8.50	33.59	26.11	192.5	.1813	-	-
100	8.37	33.80	26.30	175.2	.2276	-	-
150	7.93	33.99	26.51	155.6	.311	-	-
200	8.07	34.04	26.53	154.7	.389	-	-
250	8.24	34.06	26.52	156.7	.467	-	-
300	7.32	34.08	26.67	142.7	.543	-	-
400	6.16	34.09	26.83	127.9	.679	-	-
500	5.68	34.15	26.94	118.3	.803	-	-
600	5.19	34.26	27.09	105.7	.916	-	-
700	4.67	34.32	27.20	95.6	1.018	-	-
800	4.23	34.35	27.27	89.1	1.111	-	-
1000	3.57	34.41	27.38	78.7	1.281	-	-

STATION 501 (Interpolated Values at Standard Depths)

CREST: 38°50'N 124°12'W June 9, 1949 0528, 0603 GCT Wire angle: 25°, 25° Sounding: missing Depth of observation: 1,109 m. Weather: clear Sea: slight Wind: 320°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	11.62	33.27	25.34	264.8	.0000	5.19	-
10	11.30	33.26	25.39	260.2	.0264	4.25	-
20	10.90	33.26	25.46	253.5	.0522	3.31	-
30	9.98	33.25	25.61	239.3	.0769	3.48	-
50	9.27	33.17	25.67	234.4	.1245	3.73	-
75	8.80	33.59	26.07	196.8	.1787	3.07	-
100	8.45	33.76	26.25	179.4	.2260	2.59	-
150	8.02	33.92	26.44	162.3	.312	1.85	-
200	7.72	33.98	26.54	154.1	.392	1.47	-
250	7.28	34.00	26.62	147.3	.468	1.40	-
300	6.67	34.01	26.71	138.9	.540	1.30	-
400	5.81	34.05	26.85	126.5	.674	0.87	-
500	5.25	34.12	26.97	115.4	.796	0.57	-
600	4.83	34.20	27.08	105.3	.907	0.35	-
700	4.51	34.27	27.17	97.4	1.009	0.26	-
800	4.24	34.33	27.25	90.7	1.104	0.27	-
1000	3.68	34.41	27.37	80.1	1.277	0.42	-

STATION 502 (Interpolated Values at Standard Depths)

CREST: 38°39'N 124°54'W June 9, 1949 0005 GCT Wire angle: 24° Sounding: missing Depth of observation: 1,093 m. Weather: clear Sea: moderate Wind: 360°, force 4.

0	13.53	32.86	24.65	329.8	.0000	4.40	-
10	13.52	32.86	24.66	330.0	.0331	5.57	-
20	13.33	32.88	24.71	324.9	.0660	4.26	-
30	13.07	32.91	24.78	318.3	.0983	4.29	-
50	12.00	32.94	25.01	296.9	.1601	4.49	-
75	9.52	32.99	25.48	252.5	.2292	4.34	-
100	9.53	33.20	25.65	237.4	.2908	3.87	-
150	8.40	33.71	26.22	183.1	.397	2.50	-
200	7.87	33.92	26.47	160.7	.483	1.89	-
250	7.18	34.01	26.64	145.2	.560	1.69	-
300	6.77	34.08	26.75	135.0	.631	1.39	-
400	6.09	34.15	26.89	122.5	.761	0.87	-
500	5.43	34.20	27.01	111.6	.879	0.52	-
600	4.94	34.29	27.14	100.0	.986	0.30	-
700	4.55	34.39	27.26	88.9	1.081	0.25	-
800	4.22	34.45	27.35	81.3	1.167	0.30	-
1000	3.72	34.49	27.43	74.7	1.325	0.50	-

STATION 503 (Interpolated Values at Standard Depths)

CREST: 38°28'N 125°42'W June 8, 1949 1812 GCT Wire angle: 5°
Sounding: missing Depth of observation: 1,155 m. Weather: partly cloudy
Sea: moderate Wind: 360°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	13.72	32.97	24.70	325.6	.0000	4.80	-
10	13.72	32.94	24.68	328.1	.0328	4.50	-
20	13.57	32.94	24.71	325.4	.0656	3.93	-
30	12.92	32.95	24.84	312.4	.0976	3.97	-
50	11.32	32.99	25.18	281.2	.1573	4.28	-
75	10.60	33.15	25.43	258.0	.2251	4.08	-
100	10.45	33.31	25.58	243.8	.2882	3.98	-
150	9.05	33.68	26.10	195.3	.399	3.04	-
200	8.20	33.93	26.43	164.8	.489	2.14	-
250	7.85	34.07	26.59	150.0	.569	1.52	-
300	7.55	34.15	26.69	140.7	.642	1.16	-
400	6.63	34.20	26.86	125.8	.776	0.78	-
500	5.76	34.20	26.97	115.6	.898	0.65	-
600	5.10	34.21	27.06	108.1	1.011	0.50	-
700	4.57	34.25	27.15	99.4	1.116	0.35	-
800	4.20	34.32	27.25	90.8	1.212	0.30	-
1000	3.92	34.45	27.38	79.9	1.384	0.37	-

STATION 504 (Interpolated Values at Standard Depths)

CREST: 38°18'N 126°31'W June 8, 1949 1112 GCT Wire angle: 0°
Sounding: missing Depth of observation: 1,067 m. Weather: cloudy
Sea: moderate Wind: 360°, force 2.

0	13.57	32.86	24.65	330.7	.0000	5.13	-
10	13.50	32.84	24.65	331.2	.0332	4.75	-
20	13.38	32.84	24.67	328.9	.0664	5.20	-
30	12.89	32.86	24.78	318.7	.0989	4.96	-
50	11.18	32.95	25.17	281.8	.1592	4.44	-
75	10.05	33.10	25.48	252.5	.2264	4.25	-
100	9.26	33.27	25.75	227.8	.2868	3.61	-
150	8.19	33.70	26.25	181.0	.390	3.46	-
200	7.50	33.90	26.51	156.9	.475	2.64	-
250	6.89	33.96	26.64	144.8	.551	2.08	-
300	6.30	33.99	26.74	135.8	.622	1.64	-
400	5.52	34.04	26.87	123.8	.752	0.95	-
500	5.05	34.17	27.03	109.2	.870	0.58	-
600	4.65	34.29	27.17	96.5	.974	0.40	-
700	4.30	34.37	27.27	87.5	1.067	0.35	-
800	4.00	34.42	27.35	81.3	1.152	0.37	-
1000	3.46	34.50	27.46	70.8	1.306	0.53	-

STATION 505 (Interpolated Values at Standard Depths)

CREST: 38°10'N 127°21'W June 8, 1949 0448 GCT Wire angle: 17°
Sounding: missing Depth of observation: 1,170 m. Weather: cloudy
Sea: moderate Wind: 020°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	14.02	32.99	24.65	329.9	.0000	5.15	-
10	14.08	32.99	24.64	331.4	.0332	4.59	-
20	13.50	32.95	24.73	323.1	.0661	4.42	-
30	11.75	32.90	25.03	295.0	.0971	4.45	-
50	10.73	32.84	25.16	282.3	.1551	4.61	-
75	10.65	33.20	25.46	254.9	.2226	4.36	-
100	10.50	33.38	25.62	239.6	.2848	4.18	-
150	8.47	33.62	26.14	191.0	.393	2.70	-
200	7.67	33.87	26.46	161.4	.482	2.30	-
250	7.07	33.91	26.57	151.1	.561	1.96	-
300	6.50	33.94	26.67	142.0	.634	1.52	-
400	5.69	34.09	26.90	121.8	.767	0.83	-
500	5.14	34.19	27.04	108.7	.884	0.54	-
600	4.72	34.26	27.14	98.8	.988	0.34	-
700	4.37	34.29	27.20	94.1	1.086	0.25	-
800	4.02	34.33	27.27	83.2	1.178	0.24	-
1000	3.46	34.41	27.39	77.5	1.345	0.42	-

STATION 506 (Interpolated Values at Standard Depths)

CREST: 37°57'N 128°10'W June 7, 1949 2231 GCT Wire angle: 11°
Sounding: missing Depth of observation: 1,157 m. Weather: cloudy
Sea: moderate Wind: 020°, force 3.

0	14.17	32.88	24.54	341.0	.0000	4.56	-
10	13.98	32.84	24.54	340.6	.0342	4.40	-
20	13.93	32.84	24.55	339.8	.0684	4.55	-
30	13.78	32.84	24.58	337.1	.1024	4.55	-
50	11.78	32.84	24.98	300.3	.1664	4.50	-
75	11.49	32.82	25.01	297.3	.2415	4.75	-
100	9.32	32.80	25.37	263.8	.3121	4.15	-
150	8.44	33.55	26.09	195.7	.428	2.97	-
200	7.95	33.82	26.38	169.3	.520	2.24	-
250	7.35	33.92	26.54	154.3	.601	1.96	-
300	6.67	33.99	26.69	140.2	.675	1.59	-
400	5.70	34.07	26.88	123.5	.808	0.87	-
500	5.14	34.16	27.02	111.0	.927	0.50	-
600	4.73	34.24	27.13	101.2	1.034	0.32	-
700	4.42	34.29	27.20	94.9	1.133	0.28	-
800	4.15	34.33	27.26	89.5	1.226	0.28	-
1000	3.59	34.41	27.38	78.9	1.396	0.35	-

STATION 507 (Interpolated Values at Standard Depths)

CREST: 37°51'N 129°03'W June 7, 1949 1545 GCT Wire angle: 12°
Sounding: missing Depth of observation: 1,184 m. Weather: cloudy
Sea: moderate Wind: 010°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	15.00	32.95	24.41	352.7	.0000	5.55	-
10	14.97	32.86	24.35	358.9	.0357	5.54	-
20	14.97	32.94	24.41	353.3	.0715	5.52	-
30	14.94	32.93	24.41	353.8	.1070	5.53	-
50	12.55	32.79	24.79	317.7	.1745	5.60	-
75	10.40	32.79	25.18	280.8	.2497	5.90	-
100	9.61	32.77	25.30	270.4	.3190	5.65	-
150	8.58	33.48	26.02	202.9	.438	4.47	-
200	7.90	33.82	26.38	168.6	.532	3.62	-
250	7.33	33.90	26.53	155.3	.613	2.94	-
300	6.74	33.93	26.63	145.8	.689	2.37	-
400	5.73	33.98	26.80	130.5	.828	1.55	-
500	4.94	34.05	26.95	116.8	.953	1.07	-
600	4.38	34.14	27.09	104.6	1.065	0.74	-
700	4.19	34.23	27.18	96.4	1.166	0.56	-
800	4.02	34.30	27.25	90.6	1.261	0.44	-
1000	3.55	34.42	27.39	77.8	1.431	0.46	-

STATION 508 (Interpolated Values at Standard Depths)

CREST: 37°36'N 129°49'W June 7, 1949 0921 GCT Wire angle: 14°
Sounding: missing Depth of observation: 1,180 m. Weather: partly cloudy
Sea: moderate Wind: 360°, force 3.

0	14.77	32.83	24.37	356.7	.0000	4.34	-
10	14.84	32.84	24.36	357.8	.0359	4.24	-
20	14.84	32.84	24.36	358.0	.0718	4.07	-
30	14.80	32.83	24.37	358.1	.1078	4.06	-
50	11.88	32.83	24.95	302.7	.1742	4.20	-
75	10.55	32.77	25.14	284.9	.2480	4.20	-
100	9.97	32.88	25.33	267.6	.3175	4.29	-
150	8.82	33.63	26.10	195.5	.434	3.06	-
200	8.05	33.87	26.40	167.1	.525	2.62	-
250	7.39	33.96	26.57	151.7	.606	2.20	-
300	6.82	34.01	26.69	140.9	.679	1.76	-
400	5.88	34.06	26.85	126.5	.814	0.84	-
500	5.19	34.16	27.01	111.4	.934	0.53	-
600	4.68	34.30	27.18	96.2	1.036	0.40	-
700	4.36	34.37	27.27	88.1	1.129	0.30	-
800	4.10	34.40	27.32	83.8	1.216	0.24	-
1000	3.57	34.42	27.39	78.0	1.379	0.30	-

STATION 509 (Interpolated Values at Standard Depths)

CREST: 37°16'N 130°37'W June 7, 1949 0233 GCT Wire angle: 30°
Sounding: missing Depth of observation: 1,088 m. Weather: overcast
Sea: very rough Wind: 340°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	15.43	32.88	24.27	366.7	.0000	4.29	-
10	15.44	32.90	24.28	365.9	.0368	4.75	-
20	15.46	32.86	24.24	369.4	.0737	4.38	-
30	15.38	32.86	24.26	368.0	.1107	4.45	-
50	12.65	32.88	24.84	313.1	.1792	4.65	-
75	10.73	32.81	25.14	285.0	.2543	4.87	-
100	9.94	32.88	25.33	267.3	.3238	4.69	-
150	8.77	33.16	25.74	229.4	.449	3.38	-
200	7.95	33.87	26.42	165.5	.548	2.49	-
250	7.27	33.95	26.58	150.8	.628	1.95	-
300	6.48	33.96	26.69	140.3	.701	1.75	-
400	5.37	33.97	26.84	126.9	.836	1.44	-
500	4.66	34.06	26.99	112.7	.957	0.81	-
600	4.28	34.18	27.13	100.4	1.064	0.50	-
700	3.99	34.26	27.22	92.0	1.161	0.33	-
800	3.75	34.33	27.30	85.1	1.251	0.26	-
1000	3.35	34.41	27.40	76.2	1.414	0.31	-

STATION 510 (Interpolated Values at Standard Depths)

CREST: 37°11'N 131°22'W June 6, 1949 2041 GCT Wire angle: 27°
Sounding: missing Depth of observation: 1,077 m. Weather: overcast
Sea: rough Wind: 330°, force 4.

0	15.30	32.88	24.29	364.1	.0000	4.63	-
10	15.28	32.88	24.30	363.9	.0366	4.19	-
20	15.30	32.88	24.29	364.7	.0731	4.67	-
30	15.26	32.89	24.31	363.3	.1097	4.67	-
50	12.25	32.87	24.91	306.6	.1770	4.75	-
75	10.91	32.81	25.11	288.0	.2517	4.90	-
100	10.05	32.82	25.26	273.6	.3224	4.40	-
150	8.59	32.92	25.58	244.3	.453	3.35	-
200	7.76	33.62	26.25	181.3	.560	2.60	-
250	7.22	33.92	26.56	152.3	.644	1.99	-
300	6.68	33.99	26.69	140.5	.718	1.53	-
400	5.78	34.06	26.86	125.3	.852	1.00	-
500	5.15	34.19	27.04	108.8	.970	0.65	-
600	4.55	34.27	27.17	96.3	1.074	0.46	-
700	4.08	34.29	27.24	90.7	1.168	0.35	-
800	3.76	34.33	27.30	85.3	1.257	0.31	-
1000	3.31	34.40	27.40	76.6	1.421	0.32	-

STATION 601 (Interpolated Values at Standard Depths)

CREST: 37°15'N 123°15'W June 3, 1949 1924 GCT Wire angle: 40°
Sounding: missing Depth of observation: 1,061 m. Weather: partly cloudy
Sea: rough Wind: 320°, force 5.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	11.83	33.39	25.39	259.5	.0000	5.68	-
10	11.61	33.40	25.44	255.2	.0258	5.33	-
20	11.36	33.40	25.49	251.1	.0513	5.32	-
30	11.05	33.42	25.56	244.6	.0761	5.26	-
50	10.35	33.47	25.72	229.3	.1238	4.68	-
75	9.57	33.58	25.94	209.5	.1789	3.81	-
100	9.00	33.73	26.15	189.8	.2292	3.20	-
150	8.25	33.91	26.40	166.3	.319	2.39	-
200	7.72	34.02	26.57	151.2	.399	1.93	-
250	7.26	34.09	26.69	140.2	.472	1.54	-
300	6.82	34.14	26.79	131.3	.540	1.22	-
400	6.08	34.18	26.92	120.3	.667	0.77	-
500	5.57	34.21	27.00	112.6	.785	0.49	-
600	5.14	34.26	27.09	104.9	.894	0.34	-
700	4.75	34.32	27.19	96.3	.996	0.29	-
800	4.39	34.36	27.26	90.5	1.090	0.33	-
1000	3.77	34.43	27.38	79.6	1.262	0.50	-

STATION 602 (Interpolated Values at Standard Depths)

CREST: 37°03'N 123°57'W June 4, 1949 0210, 0230 GCT Wire angle: 45°, 48° Sounding: missing Depth of observation: 814 m. Weather: partly cloudy Sea: very rough Wind: 320°, force 6.

0	13.08	33.01	25.09	288.6	.0000	5.60	-
10	13.08	32.99	24.84	312.3	.0302	4.70	-
20	13.05	32.97	24.83	313.3	.0616	4.73	-
30	12.97	32.97	24.85	312.2	.0930	4.74	-
50	11.50	33.06	25.20	279.1	.1524	4.58	-
75	9.32	33.29	25.67	234.7	.2170	4.16	-
100	9.23	33.51	25.94	209.7	.2729	3.36	-
150	8.37	33.87	26.35	170.9	.369	2.25	-
200	7.71	33.94	26.50	156.9	.451	2.03	-
250	7.16	33.98	26.62	147.3	.528	1.78	-
300	6.65	34.03	26.72	137.2	.600	1.44	-
400	5.80	34.11	26.90	121.8	.730	0.85	-
500	5.22	34.18	27.02	110.5	.847	0.56	-
600	4.82	34.26	27.13	100.8	.954	0.44	-
700	4.45	34.33	27.23	92.2	1.051	0.37	-
800	4.11	34.38	27.30	85.5	1.141	0.32	-
1000	(3.62)	(34.44)	(27.40)	(77.3)	(1.306)	-	-

STATION 604 (Interpolated Values at Standard Depths)

CREST: 36°34'N 125°29'W June 4, 1949 1523 GCT Wire angle: 15°
Sounding: missing Depth of observation: 1,233 m. Weather: partly cloudy
Sea: rough Wind: 330°, force 6.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	14.61	33.04	24.57	338.2	.0000	4.63	-
10	14.61	33.01	24.54	340.7	.0341	4.77	-
20	14.60	33.01	24.55	340.7	.0683	4.67	-
30	14.59	33.00	24.54	341.6	.1025	4.56	-
50	12.50	32.97	24.94	303.8	.1674	4.81	-
75	9.85	33.26	25.84	237.6	.2354	4.30	-
100	9.08	33.46	25.92	211.1	.2919	3.75	-
150	8.26	33.78	26.30	175.8	.389	2.40	-
200	7.80	33.97	26.52	156.0	.473	2.10	-
250	7.28	34.01	26.62	146.5	.549	1.73	-
300	6.65	34.03	26.72	137.2	.620	1.42	-
400	5.49	34.08	26.91	120.1	.750	1.07	-
500	5.00	34.17	27.04	108.6	.866	0.57	-
600	4.74	34.24	27.12	101.4	.971	0.36	-
700	4.48	34.28	27.19	96.2	1.071	0.38	-
800	4.19	34.32	27.25	90.7	1.166	0.42	-
1000	3.66	34.39	27.36	81.3	1.339	0.54	-

STATION 605 (Interpolated Values at Standard Depths)

CREST: 36°24'N 126°17'W June 4, 1949 2145 GCT Wire angle: 25°
Sounding: missing Depth of observation: 1,124 m. Weather: fog
Sea: rough Wind: 330°, force 5.

0	14.29	32.95	24.57	338.3	.0000	4.41	-
10	14.29	32.99	24.60	335.6	.0338	4.65	-
20	14.21	32.98	24.61	335.0	.0675	4.56	-
30	13.90	32.97	24.66	330.1	.1009	4.58	-
50	11.78	33.01	25.11	287.6	.1630	4.78	-
75	10.40	32.77	25.17	282.4	.2346	4.18	-
100	9.79	33.27	25.66	235.9	.2998	4.68	-
150	8.78	33.68	26.14	191.1	.407	2.70	-
200	7.93	33.92	26.46	161.7	.496	2.16	-
250	7.28	34.01	26.62	146.5	.574	1.94	-
300	6.81	34.04	26.71	138.4	.646	1.53	-
400	6.04	34.10	26.86	125.8	.779	0.91	-
500	5.38	34.19	27.01	111.6	.898	0.53	-
600	4.92	34.27	27.13	101.3	1.006	0.35	-
700	4.56	34.34	27.22	92.6	1.104	0.30	-
800	4.22	34.41	27.32	84.5	1.193	0.31	-
1000	3.60	34.47	27.43	74.8	1.354	0.44	-

STATION 606 (Interpolated Values at Standard Depths)

CREST: 36°10'N 127°05'W June 5, 1949 0445 GCT Wire angle: 22°
Sounding: missing Depth of observation: 1,085 m. Weather: partly cloudy
Sea: rough Wind: 360°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	14.10	32.90	24.56	338.5	.0000	4.93	-
10	14.12	32.83	24.51	344.2	.0343	4.58	-
20	14.11	32.85	24.53	342.5	.0687	4.51	-
30	13.60	32.88	24.65	330.7	.1025	4.54	-
50	12.26	32.91	24.94	303.7	.1663	4.64	-
75	10.74	32.94	25.24	275.8	.2391	4.58	-
100	9.50	32.96	25.46	254.7	.3059	4.37	-
150	8.50	33.65	26.16	189.3	.418	2.95	-
200	7.81	33.86	26.43	164.3	.507	2.37	-
250	7.17	33.94	26.58	150.3	.586	2.30	-
300	6.61	33.99	26.70	139.7	.659	1.93	-
400	5.79	34.08	26.87	124.0	.792	1.16	-
500	5.20	34.21	27.05	108.0	.909	0.54	-
600	4.74	34.25	27.13	101.6	1.015	0.34	-
700	4.36	34.29	27.21	94.1	1.113	0.31	-
800	4.04	34.33	27.27	88.6	1.206	0.35	-
1000	3.50	34.45	27.42	75.0	1.371	0.49	-

STATION 607 (Interpolated Values at Standard Depths)

CREST: 35°58'N 127°50'W June 5, 1949 1123 GCT Wire angle: 26°
Sounding: missing Depth of observation: 1,091 m. Weather: overcast
Sea: rough Wind: 290°, force 4.

0	14.30	32.97	24.58	337.0	.0000	5.50	-
10	14.34	32.91	24.52	342.6	.0341	5.60	-
20	14.34	32.87	24.49	345.6	.0687	5.63	-
30	13.55	32.88	24.67	329.6	.1026	5.50	-
50	11.27	32.90	25.11	287.1	.1646	5.43	-
75	10.35	32.84	25.23	276.6	.2354	5.36	-
100	9.49	33.04	25.53	248.6	.3015	4.85	-
150	8.32	33.75	26.27	179.1	.409	3.87	-
200	7.85	34.00	26.53	154.6	.493	3.09	-
250	7.15	33.96	26.60	148.5	.569	2.63	-
300	6.40	33.95	26.70	140.0	.642	2.28	-
400	5.58	34.02	26.85	125.8	.776	1.76	-
500	5.11	34.14	27.00	112.2	.896	0.73	-
600	4.71	34.23	27.12	101.8	1.004	0.44	-
700	4.35	34.28	27.20	94.8	1.103	0.38	-
800	4.04	34.33	27.27	88.6	1.196	0.39	-
1000	3.48	34.46	27.43	74.0	1.360	0.57	-

STATION 608 (Interpolated Values at Standard Depths)

CREST: 35°45'N 128°38'W June 5, 1949 1746 GCT Wire angle: 21°
Sounding: missing Depth of observation: 1,124 m. Weather: overcast
Sea: moderate Wind: 320°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	14.60	32.92	24.48	346.8	.0000	4.96	-
10	14.58	32.92	24.48	346.6	.0348	4.69	-
20	14.55	32.87	24.45	350.0	.0698	4.71	-
30	14.50	32.87	24.46	349.2	.1049	4.74	-
50	12.83	32.94	24.85	312.1	.1713	4.73	-
75	11.43	32.93	25.11	288.3	.2468	4.65	-
100	10.64	32.93	25.25	275.1	.3177	4.78	-
150	9.30	33.40	25.84	219.8	.442	3.91	-
200	8.33	33.75	26.27	179.9	.543	3.38	-
250	7.65	33.91	26.49	159.1	.628	2.98	-
300	6.83	33.97	26.66	144.0	.705	2.50	-
400	5.76	33.96	26.78	132.5	.844	1.60	-
500	5.34	34.07	26.92	120.0	.971	0.79	-
600	4.88	34.22	27.09	104.3	1.085	0.41	-
700	4.45	34.28	27.19	95.9	1.186	0.26	-
800	4.05	34.33	27.27	88.6	1.279	0.23	-
1000	3.43	34.40	27.39	78.0	1.447	0.37	-

STATION 609 (Interpolated Values at Standard Depths)

CREST: 35°32'N 129°24'W June 5, 1949 2345 GCT Wire angle: 10°
Sounding: missing Depth of observation: 1,165 m. Weather: overcast
Sea: moderate Wind: 320°, force 2.

0	16.06	33.03	24.24	369.2	.0000	4.55	-
10	16.05	33.03	24.24	369.3	.0371	4.37	-
20	16.02	33.03	24.25	368.9	.0741	4.44	-
30	16.00	33.04	24.26	368.1	.1111	4.57	-
50	13.92	33.37	24.96	301.5	.1784	4.64	-
75	13.30	33.39	25.11	288.5	.2526	4.50	-
100	13.80	33.66	25.21	279.1	.3240	4.09	-
150	10.23	33.46	25.73	230.4	.452	4.14	-
200	8.54	33.67	26.17	189.0	.558	3.63	-
250	8.03	33.92	26.44	163.8	.647	2.09	-
300	7.60	34.03	26.59	150.3	.726	1.49	-
400	6.71	34.05	26.73	138.1	.871	1.14	-
500	5.84	34.11	26.89	123.5	1.003	0.71	-
600	5.13	34.20	27.05	109.0	1.120	0.45	-
700	4.66	34.26	27.15	99.6	1.226	0.36	-
800	4.29	34.32	27.24	92.1	1.322	0.34	-
1000	3.64	34.42	27.38	78.9	1.495	0.39	-

STATION 610 (Interpolated Values at Standard Depths)

CREST: 35°21'N 130°09'W June 6, 1949 0511 GCT Wire angle: 5°
Sounding: missing Depth of observation: 1,186 m. Weather: overcast
Sea: moderate Wind: 320°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at.L)
0	15.80	33.04	24.31	362.9	.0000	4.17	-
10	15.76	33.02	24.30	363.8	.0365	4.20	-
20	15.73	33.04	24.32	361.8	.0729	4.17	-
30	15.60	33.04	24.35	359.5	.1091	4.17	-
50	14.06	33.03	24.67	329.2	.1783	4.59	-
75	12.91	33.11	24.97	301.6	.2576	4.44	-
100	12.26	33.16	25.13	286.3	.3316	4.20	-
150	11.09	33.45	25.57	245.7	.465	3.93	-
200	8.56	33.62	26.13	193.0	.576	3.55	-
250	7.84	33.79	26.37	170.7	.668	2.80	-
300	7.40	33.94	26.55	154.1	.749	2.00	-
400	6.59	34.08	26.77	134.1	.895	0.87	-
500	5.59	34.24	27.02	110.7	1.018	0.64	-
600	4.83	34.37	27.22	92.7	1.121	0.52	-
700	4.55	34.39	27.26	88.7	1.212	0.41	-
800	4.23	34.40	27.31	85.4	1.300	0.32	-
1000	3.63	34.42	27.38	78.8	1.466	0.30	-

STATION 701 (Interpolated Values at Standard Depths)

CREST: 35°30'N 122°12'W June 10, 1949 0334 GCT Wire angle: 35°
Sounding: missing Depth of observation: 1,135 m. Weather: haze
Sea: rough Wind: missing, force 5.

0	14.54	33.07	24.60	334.7	.0000	4.62	-
10	14.35	33.08	24.65	330.4	.0334	4.64	-
20	14.10	33.13	24.74	321.8	.0661	4.73	-
30	13.76	33.16	24.84	313.2	.0980	4.86	-
50	11.50	33.15	25.27	272.5	.1569	4.70	-
75	9.86	33.25	25.63	238.5	.2211	3.87	-
100	9.13	33.53	25.97	206.7	.2771	3.44	-
150	8.44	33.88	26.35	171.3	.372	2.05	-
200	7.81	33.96	26.51	156.8	.455	1.83	-
250	7.14	33.98	26.62	146.9	.531	1.65	-
300	6.75	34.02	26.70	139.2	.603	1.29	-
400	5.79	34.09	26.88	123.1	.736	0.86	-
500	5.03	34.16	27.03	109.7	.853	0.64	-
600	4.79	34.23	27.11	102.6	.960	0.46	-
700	4.57	34.30	27.19	95.7	1.060	0.34	-
800	4.27	34.36	27.27	88.9	1.153	0.32	-
1000	3.72	34.43	27.38	79.1	1.323	0.44	-

STATION 706 (Interpolated Values at Standard Depths)

CREST: 34°23'N 125°35'W June 2, 1949 0201 GCT Wire angle: 36°
Sounding: missing Depth of observation: 1,049 m. Weather: partly cloudy
Sea: rough Wind: 020°, force 6.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	15.96	33.03	24.26	366.9	.0000	5.30	-
10	15.95	33.04	24.27	366.5	.0368	5.36	-
20	15.75	33.06	24.33	360.7	.0733	5.53	-
30	14.97	33.07	24.51	344.1	.1087	5.62	-
50	13.48	33.07	24.83	314.4	.1749	5.73	-
75	12.13	33.00	25.04	295.3	.2515	5.74	-
100	11.81	33.06	25.14	285.6	.3246	5.62	-
150	9.35	33.37	25.81	222.9	.453	4.62	-
200	8.67	33.73	26.20	186.6	.556	3.45	-
250	8.04	33.91	26.43	164.8	.644	2.74	-
300	7.31	34.00	26.61	148.5	.723	2.35	-
400	6.16	34.04	26.80	131.6	.864	1.43	-
500	5.39	34.08	26.92	120.0	.991	0.88	-
600	4.84	34.16	27.05	108.6	1.107	0.53	-
700	4.41	34.24	27.16	98.6	1.211	0.38	-
800	4.08	34.31	27.25	90.4	1.307	0.40	-
1000	3.57	34.41	27.38	78.8	1.478	0.55	-

STATION 707 (Interpolated Values at Standard Depths)

CREST: 34°07'N 126°20'W June 1, 1949 1916 GCT Wire angle: 21°
Sounding: missing Depth of observation: 1,198 m. Weather: rough
Sea: rough Wind: 360°, force 5.

0	16.40	33.12	24.23	370.0	.0000	4.95	-
10	16.39	33.32	24.39	355.6	.0364	5.02	-
20	16.25	33.39	24.47	347.5	.0717	4.98	-
30	14.87	33.40	24.79	317.9	.1051	4.93	-
50	14.09	33.42	24.97	301.2	.1674	5.02	-
75	13.84	33.51	25.09	290.5	.2417	4.93	-
100	13.62	33.52	25.14	285.7	.3142	4.90	-
150	12.00	33.67	25.58	245.5	.448	4.58	-
200	10.75	33.56	25.72	232.6	.568	4.92	-
250	9.73	33.90	26.16	191.7	.675	4.40	-
300	8.56	33.98	26.41	168.2	.766	3.75	-
400	6.66	34.02	26.72	139.6	.921	2.48	-
500	5.50	34.09	26.92	120.6	1.052	1.19	-
600	4.84	34.20	27.08	105.6	1.166	0.51	-
700	4.37	34.29	27.20	94.3	1.267	0.36	-
800	4.00	34.37	27.31	85.0	1.358	0.37	-
1000	3.49	34.47	27.44	73.4	1.518	0.59	-

STATION 708 (Interpolated Values at Standard Depths)

CREST: 33°53'N 127°01'W June 1, 1949 1253 GCT Wire angle: 12°
Sounding: missing Depth of observation: 1,107 m. Weather: partly cloudy
Sea: rough Wind: 320°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	16.78	33.17	24.18	374.8	.0000	5.30	-
10	16.79	33.13	24.15	378.3	.0378	5.29	-
20	16.80	33.41	24.36	358.1	.0748	5.31	-
30	15.96	33.63	24.72	324.2	.1090	5.33	-
50	15.46	33.64	24.84	313.1	.1731	5.38	-
75	13.95	33.48	25.04	294.6	.2495	5.48	-
100	13.87	33.56	25.12	288.0	.3228	5.50	-
150	10.99	33.66	25.75	228.4	.453	5.26	-
200	9.20	33.65	26.05	200.7	.561	4.45	-
250	8.20	33.92	26.42	166.4	.653	3.35	-
300	7.39	33.97	26.58	151.7	.733	2.72	-
400	6.13	34.00	26.77	134.3	.877	1.88	-
500	5.21	34.06	26.93	119.3	1.005	1.07	-
600	4.66	34.17	27.08	105.7	1.119	0.58	-
700	4.33	34.28	27.20	94.6	1.220	0.41	-
800	4.10	34.37	27.30	86.1	1.311	0.37	-
1000	3.63	34.44	27.40	77.4	1.476	0.53	-

STATION 709 (Interpolated Values at Standard Depths)

CREST: 33°36'N 127°47'W June 1, 1949 0635 GCT Wire angle: 0°
Sounding: missing Depth of observation: 1,185 Weather: partly cloudy
Sea: moderate Wind: 350°, force 1.

0	17.11	33.35	24.24	369.1	.0000	4.98	-
10	17.10	33.46	24.33	361.3	.0367	5.04	-
20	16.73	33.42	24.38	355.9	.0727	5.18	-
30	15.65	33.47	24.67	329.2	.1071	5.23	-
50	15.04	33.57	24.88	309.6	.1713	5.32	-
75	14.36	33.58	25.04	295.3	.2473	5.40	-
100	13.99	33.64	25.16	284.3	.3202	5.45	-
150	12.93	33.69	25.41	261.2	.458	5.05	-
200	9.49	33.66	26.01	204.5	.575	4.49	-
250	8.43	33.92	26.38	169.7	.669	3.84	-
300	7.56	34.02	26.59	150.4	.750	3.17	-
400	6.25	33.96	26.72	138.7	.895	1.76	-
500	5.40	34.04	26.89	123.2	1.027	0.94	-
600	4.80	34.15	27.05	108.8	1.144	0.60	-
700	4.36	34.26	27.18	96.4	1.248	0.45	-
800	4.00	34.34	27.28	87.2	1.341	0.39	-
1000	3.49	34.44	27.41	75.7	1.505	0.52	-

STATION 710 (Interpolated Values at Standard Depths)

CREST: 33°18'N 128°28'W June 1, 1949 0045 GCT Wire angle: 15°
Sounding: missing Depth of observation: 1,146 m. Weather: partly cloudy
Sea: moderate Wind: 320°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	17.12	33.40	24.28	365.7	.0000	5.23	-
10	17.03	33.39	24.29	364.6	.0367	5.31	-
20	16.90	33.50	24.41	353.8	.0727	5.30	-
30	16.72	33.87	24.74	323.3	.1067	5.34	-
50	15.31	33.77	24.98	300.6	.1694	5.31	-
75	15.20	33.90	25.10	289.3	.2436	5.29	-
100	15.17	33.98	25.16	283.9	.3157	5.05	-
150	11.50	33.54	25.57	246.0	.449	5.32	-
200	9.38	33.67	26.04	202.0	.562	4.44	-
250	8.51	33.83	26.30	177.8	.657	4.00	-
300	7.76	33.91	26.48	161.5	.743	3.58	-
400	6.35	34.02	26.76	135.7	.893	1.98	-
500	5.38	34.13	26.96	116.1	1.020	1.07	-
600	4.79	34.22	27.10	103.3	1.130	0.61	-
700	4.37	34.29	27.20	94.4	1.230	0.39	-
800	3.98	34.35	27.29	86.3	1.322	0.32	-
1000	3.38	34.46	27.44	73.1	1.483	0.45	-

STATION 801 (Interpolated Values at Standard Depths)

CREST: 33°50'N 120°37'W May 28, 1949 1631, 1700 GCT Wire angle: 20°, 22° Sounding: missing Depth of observation: 1,159 m. Weather: overcast
Sea: rough Wind: 340°, force 2.

0	14.13	33.30	24.87	309.6	.0000	5.46	-
10	14.10	33.27	24.85	311.5	.0312	5.43	-
20	13.75	33.26	24.91	305.5	.0622	5.59	-
30	11.90	33.27	25.29	270.2	.0910	6.17	-
50	11.17	33.52	25.61	239.9	.1423	5.75	-
75	9.76	33.56	25.89	213.9	.1994	3.25	-
100	8.85	33.69	26.14	190.5	.2502	3.99	-
150	8.30	33.90	26.39	167.7	.340	2.60	-
200	7.87	34.01	26.54	154.2	.422	1.42	-
250	7.35	34.07	26.66	143.1	.496	1.70	-
300	6.87	34.09	26.74	135.8	.567	1.99	-
400	6.35	34.19	26.89	122.9	.697	1.25	-
500	5.90	34.29	27.03	110.9	.815	0.75	-
600	5.35	34.36	27.15	99.9	.921	0.45	-
700	4.83	34.39	27.23	92.4	1.018	0.44	-
800	4.42	34.41	27.30	86.9	1.109	0.49	-
1000	3.80	34.43	27.38	80.0	1.278	0.65	-

STATION 802 (Interpolated Values at Standard Depths)

CREST: 33°32'N 121°24'W May 29, 1949 0040 GCT Wire angle: 0°
Sounding: missing Depth of observation: 1,200 m. Weather: partly cloudy
Sea: smooth Wind: 220°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	15.65	33.30	24.54	340.7	.0000	5.71	-
10	14.35	33.28	24.81	315.7	.0330	5.56	-
20	13.80	33.40	25.01	296.3	.0637	5.65	-
30	12.38	33.49	25.36	263.2	.0918	5.70	-
50	10.60	33.52	25.71	230.0	.1413	4.95	-
75	9.60	33.60	25.95	208.5	.1964	3.87	-
100	8.98	33.77	26.18	186.6	.2462	2.97	-
150	8.40	33.97	26.43	163.9	.334	1.54	-
200	7.93	34.05	26.56	151.7	.414	1.80	-
250	7.32	34.10	26.69	140.5	.487	1.60	-
300	6.83	34.13	26.78	132.4	.556	1.23	-
400	6.30	34.20	26.91	121.6	.684	0.70	-
500	5.76	34.31	27.06	107.7	.800	0.45	-
600	5.30	34.38	27.17	97.9	.903	0.33	-
700	4.83	34.39	27.23	92.4	1.000	0.30	-
800	4.44	34.40	27.29	87.8	1.091	0.36	-
1000	3.83	34.44	27.38	79.7	1.260	0.57	-

STATION 803 (Interpolated Values at Standard Depths)

CREST: 33°19'N 122°05'W May 29, 1949 0759 GCT Wire angle: 23°
Sounding: missing Depth of observation: 1,067 m. Weather: partly cloudy
Sea: rough Wind: 320°, force 1.

0	14.92	33.13	24.57	338.0	.0000	5.82	-
10	14.60	32.97	24.52	343.1	.0342	5.80	-
20	14.05	33.12	24.74	321.8	.0676	5.76	-
30	13.75	33.17	24.85	312.3	.0994	5.75	-
50	13.15	33.21	25.00	298.3	.1608	6.23	-
75	11.85	33.23	25.27	273.4	.2326	5.95	-
100	10.65	33.29	25.53	248.9	.2983	5.24	-
150	9.17	33.84	26.20	185.4	.408	3.07	-
200	8.57	33.92	26.36	171.0	.497	2.45	-
250	7.66	33.95	26.52	156.5	.580	3.58	-
300	7.20	34.00	26.63	146.7	.656	3.31	-
400	6.50	34.20	26.88	124.1	.793	0.75	-
500	5.82	34.29	27.04	110.1	.911	0.45	-
600	5.23	34.34	27.15	99.9	1.017	0.36	-
700	4.79	34.36	27.22	93.9	1.115	0.34	-
800	4.43	34.38	27.27	89.2	1.207	0.38	-
1000	3.82	34.48	27.41	76.6	1.375	0.60	-

STATION 804 (Interpolated Values at Standard Depths)

CREST: 32°55'N 122°47'W May 29, 1949 1403 GCT Wire angle: 0°
Sounding: missing Depth of observation: 1,186 m. Weather: partly cloudy
Sea: slight Wind: calm, force 0.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	15.55	33.22	24.50	344.6	.0000	5.60	-
10	15.05	33.18	24.58	337.3	.0342	5.54	-
20	14.65	33.24	24.71	325.0	.0675	5.51	-
30	14.20	33.24	24.81	316.1	.0997	5.68	-
50	13.15	33.24	25.02	296.2	.1612	5.92	-
75	12.08	33.28	25.26	274.1	.2329	5.65	-
100	10.57	33.40	25.63	239.5	.2975	4.80	-
150	9.35	33.67	26.04	200.6	.408	3.50	-
200	8.37	33.96	26.42	164.9	.500	2.44	-
250	7.44	33.97	26.57	151.7	.580	2.29	-
300	6.75	33.98	26.67	142.4	.654	2.09	-
400	5.87	34.06	26.85	126.3	.790	1.11	-
500	5.33	34.14	26.98	114.9	.911	0.66	-
600	4.85	34.21	27.09	104.9	1.022	0.42	-
700	4.45	34.30	27.21	94.3	1.123	0.37	-
800	4.13	34.38	27.30	85.7	1.214	0.40	-
1000	3.64	34.46	27.41	76.7	1.378	0.57	-

STATION 805 (Interpolated Values at Standard Depths)

CREST: ~~33~~ 32°38'N 123°32'W May 29, 1949 2031, 2055, 2117 GCT Wire angle: 0°, 0°, 0° Sounding: missing Depth of observation: 1,200 m. Weather: cloudy Sea: moderate Wind: 090°, force 1.

0	16.55	33.26	24.31	363.1	.0000	5.60	-
10	15.57	33.28	24.54	340.9	.0353	5.53	-
20	15.53	33.30	24.57	338.5	.0694	5.57	-
30	15.47	33.31	24.59	337.1	.1034	5.66	-
50	15.00	33.33	24.71	326.4	.1700	5.81	-
75	13.77	33.37	24.99	299.4	.2487	5.88	-
100	13.68	33.51	25.12	287.9	.3226	5.58	-
150	10.70	33.40	25.60	242.6	.456	4.95	-
200	9.05	33.73	26.14	192.4	.566	3.45	-
250	8.46	34.04	26.47	161.3	.655	2.74	-
300	7.88	34.12	26.62	147.7	.732	2.19	-
400	6.62	34.11	26.79	132.5	.874	1.34	-
500	5.78	34.14	26.92	120.6	1.001	0.85	-
600	5.14	34.24	27.08	106.1	1.116	0.53	-
700	4.73	34.33	27.20	95.4	1.217	0.42	-
800	4.37	34.39	27.29	87.7	1.310	0.41	-
1000	3.75	34.46	27.40	77.2	1.477	0.55	-

STATION 806 (Interpolated Values at Standard Depths)

CREST: 32°19'N 124°13'W May 30, 1949 0314, 0350 GCT Wire angle: 32°, 40°
Sounding: missing Depth of observation: 765 m. Weather: cloudy
Sea: rough Wind: 360°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	16.55	33.37	24.39	355.1	.0000	5.42	-
10	15.63	33.24	24.50	345.0	.0352	5.71	-
20	15.10	33.26	24.63	332.7	.0692	5.33	-
30	14.44	33.25	24.76	320.1	.1019	5.30	-
50	12.93	33.19	25.03	295.6	.1638	5.47	-
75	12.57	33.21	25.11	288.3	.2372	5.58	-
100	12.40	33.32	25.23	277.6	.3084	5.45	-
150	10.25	33.41	25.69	234.4	.437	4.51	-
200	9.04	33.90	26.27	179.5	.542	2.86	-
250	8.33	34.03	26.49	160.1	.627	2.14	-
300	7.69	34.12	26.65	145.0	.704	1.55	-
400	6.86	34.22	26.84	127.6	.841	0.77	-
500	6.37	34.27	26.95	118.5	.965	0.37	-
600	5.90	34.32	27.05	110.4	1.081	0.28	-
700	5.39	34.36	27.15	101.5	1.188	0.27	-
800	(4.86)	(34.40)	(27.24)	(93.0)	(1.286)	-	-
1000	(4.05)	(34.46)	(27.37)	(80.6)	(1.462)	-	-

STATION 807 (Interpolated Values at Standard Depths)

CREST: 32°04'N 124°56'W May 30, 1949 1014, 1045, 1130 GCT
Wire angle: 22°, 18°, 27° Sounding: missing Depth of observation:
1,128 m. Weather: overcast Sea: moderate Wind: 360°, force 3.

0	16.65	33.33	24.34	360.2	.0000	5.21	-
10	16.65	33.28	24.30	364.1	.0364	5.29	-
20	16.25	33.31	24.41	353.5	.0724	5.32	-
30	15.00	33.30	24.68	328.0	.1066	5.36	-
50	14.25	33.28	24.83	314.7	.1712	5.45	-
75	12.50	33.38	25.26	274.3	.2452	5.78	-
100	11.17	33.41	25.53	249.0	.3110	4.74	-
150	9.17	33.70	26.09	195.6	.423	3.76	-
200	8.44	33.86	26.34	173.5	.516	3.00	-
250	7.83	33.97	26.51	157.2	.599	2.35	-
300	7.17	34.08	26.69	140.8	.674	1.84	-
400	6.00	34.19	26.93	118.4	.805	1.12	-
500	5.45	34.24	27.04	109.0	.920	0.64	-
600	4.94	34.28	27.13	100.8	1.025	0.42	-
700	4.54	34.33	27.22	93.1	1.123	0.40	-
800	4.20	34.39	27.30	85.8	1.214	0.44	-
1000	3.62	34.47	27.43	75.0	1.376	0.64	-

STATION 808 (Interpolated Values at Standard Depths)

CREST: 31°48'N 125°39'W May 30, 1949 1843 GCT Wire angle: 25°
Sounding: missing Depth of observation: 998 m. Weather: partly cloudy
Sea: rough Wind: 330°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	17.03	33.40	24.30	363.6	.0000	5.06	-
10	17.10	33.46	24.33	361.2	.0364	5.28	-
20	15.77	33.46	24.63	332.4	.0712	5.30	-
30	15.57	33.48	24.70	326.9	.1043	5.29	-
50	14.75	33.67	25.02	296.3	.1669	5.25	-
75	14.20	33.61	25.09	290.3	.2407	5.24	-
100	14.15	33.66	25.14	286.2	.3132	5.24	-
150	11.00	33.57	25.68	235.2	.444	4.81	-
200	9.00	33.79	26.19	187.1	.551	4.15	-
250	8.00	33.92	26.45	163.5	.639	3.61	-
300	7.17	33.99	26.62	147.3	.717	3.05	-
400	5.94	34.06	26.84	127.2	.856	1.75	-
500	5.22	34.13	26.98	114.3	.977	0.90	-
600	4.79	34.22	27.10	103.6	1.087	0.49	-
700	4.45	34.30	27.21	94.2	1.187	0.35	-
800	4.20	34.37	27.29	87.3	1.279	0.39	-
1000	3.75	34.49	27.43	75.0	1.443	0.71	-

STATION 809 (Interpolated Values at Standard Depths)

CREST: 31°32'N 126°22'W May 31, 1949 0101 GCT Wire angle: 5°
Sounding: missing Depth of observation: 1,188 m. Weather: partly cloudy
Sea: moderate Wind: 360°, force 3.

0	17.44	33.49	24.27	366.4	.0000	5.45	-
10	17.40	33.42	24.23	370.8	.0370	5.10	-
20	17.00	33.45	24.35	359.8	.0737	5.40	-
30	16.29	33.52	24.56	339.5	.1088	5.45	-
50	15.51	33.60	24.80	317.2	.1748	5.45	-
75	14.32	33.58	24.94	305.0	.2530	5.41	-
100	14.27	33.62	25.08	291.7	.3281	5.33	-
150	11.73	33.39	25.41	261.1	.467	4.86	-
200	9.30	33.69	26.06	199.3	.583	4.17	-
250	8.47	33.92	26.38	170.5	.676	3.76	-
300	7.75	33.98	26.53	156.2	.758	3.40	-
400	6.52	34.02	26.74	137.7	.907	1.82	-
500	5.81	34.12	26.90	122.5	1.038	1.02	-
600	5.25	34.22	27.05	109.1	1.155	0.46	-
700	4.84	34.28	27.15	100.4	1.260	0.34	-
800	4.47	34.33	27.23	93.3	1.358	0.34	-
1000	3.84	34.43	27.37	80.5	1.534	0.55	-

STATION 810 (Interpolated Values at Standard Depths)

CREST: 31°14'N 127°03'W May 31, 1949 0746, 0805, 0837 GCT
Wire angle: 0°, 0°, 0° Sounding: missing Depth of observation: 1,200 m.
Weather: partly cloudy Sea: slight Wind: 020°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	17.60	33.60	24.32	362.0	.0000	5.35	-
10	17.50	33.55	24.30	363.7	.0364	5.35	-
20	16.97	33.57	24.44	350.8	.0673	5.40	-
30	16.52	33.57	24.55	340.7	.1020	5.52	-
50	15.46	33.48	24.72	325.0	.1689	6.38	-
75	14.23	33.35	24.89	309.7	.2487	5.71	-
100	13.93	33.39	24.98	301.2	.3255	5.85	-
150	11.70	33.42	25.44	258.5	.466	5.05	-
200	9.65	33.60	25.94	211.5	.585	4.35	-
250	8.50	33.80	26.28	179.8	.683	3.81	-
300	7.77	33.96	26.51	157.9	.768	3.20	-
400	6.70	34.03	26.72	139.4	.918	2.03	-
500	5.92	34.11	26.88	124.6	1.051	1.03	-
600	5.27	34.18	27.02	112.4	1.171	0.46	-
700	4.82	34.25	27.12	102.5	1.279	0.34	-
800	4.44	34.33	27.23	93.1	1.378	0.40	-
1000	3.80	34.45	27.39	78.5	1.552	0.61	-

STATION 901 (Interpolated Values at Standard Depths)

CREST: 32°40'N 118°10'W May 28, 1949 0635 GCT Wire angle: 11°
Sounding: missing Depth of observation: 1,174 m. Weather: overcast
Sea: slight Wind: 270°, force 2.

0	17.00	33.64	24.49	345.5	.0000	5.10	-
10	17.03	33.66	24.50	345.0	.0347	5.57	-
20	13.60	33.53	25.15	282.9	.0662	5.91	-
30	12.26	33.51	25.41	259.1	.0934	5.85	-
50	10.72	33.61	25.76	225.7	.1421	4.17	-
75	9.90	33.77	26.03	200.5	.1957	3.18	-
100	9.63	33.83	26.12	192.4	.2451	2.82	-
150	8.77	34.02	26.41	165.9	.335	2.48	-
200	8.31	34.14	26.57	150.8	.415	1.76	-
250	7.88	34.21	26.69	140.3	.488	1.33	-
300	7.49	34.26	26.79	131.8	.557	1.13	-
400	6.73	34.33	26.95	117.6	.683	0.73	-
500	6.07	34.30	27.01	112.4	.799	0.42	-
600	5.52	34.27	27.06	108.8	.910	0.28	-
700	5.08	34.32	27.15	100.5	1.016	0.32	-
800	4.70	34.37	27.23	93.2	1.114	0.40	-
1000	4.04	(34.44)	(27.36)	(82.1)	(1.291)	(0.76)	-

STATION 902 (Interpolated Values at Standard Depths)

HORIZON: 32°15'N 118°59'W May 28, 1949 1255 GCT Wire angle: 15°
Sounding: missing Depth of observation: 863 m. Weather: cloudy
Sea: slight Wind: 320°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	14.60	33.64	25.03	294.2	.0000	5.84	-
10	14.77	33.62	24.98	299.3	.0298	6.06	-
20	14.25	33.60	25.07	290.7	.0594	6.09	-
30	13.29	33.60	25.27	271.9	.0876	5.59	-
50	10.44	33.87	26.01	201.6	.1352	3.93	-
75	9.37	33.80	26.14	190.1	.1845	2.78	-
100	9.03	34.00	26.35	170.3	.2298	2.28	-
150	8.80	34.03	26.41	165.5	.314	1.92	-
200	8.30	34.16	26.59	149.1	.394	1.51	-
250	7.79	34.22	26.71	138.3	.466	1.19	-
300	7.39	34.25	26.80	131.0	.534	0.92	-
400	6.73	34.27	26.90	122.2	.661	0.64	-
500	6.19	34.32	27.01	112.5	.780	0.52	-
600	5.68	34.37	27.12	103.5	.889	0.44	-
700	5.16	34.41	27.21	94.9	.989	0.41	-
800	4.70	34.45	27.30	87.2	1.081	0.38	-
1000	(3.99)	(34.50)	(27.41)	(77.0)	(1.247)	0.56	-

STATION 903 (Interpolated Values at Standard Depths)

HORIZON: 32°03'N 119°32'W May 28, 1949 1808 GCT Wire angle: 11°
Sounding: missing Depth of observation: 1,168 m. Weather: cloudy
Sea: moderate Wind: 240°, force 3.

0	15.31	33.48	24.75	320.5	.0000	5.26	-
10	15.21	33.46	24.76	320.1	.0322	5.37	-
20	14.96	33.40	24.77	319.6	.0643	5.77	-
30	13.70	33.39	25.03	295.2	.0951	5.77	-
50	11.87	33.39	25.39	261.3	.1511	5.61	-
75	10.84	33.45	25.62	239.9	.2141	5.48	-
100	10.07	33.60	25.87	216.4	.2715	3.82	-
150	9.13	33.93	26.28	177.9	.371	2.66	-
200	8.47	34.08	26.50	157.6	.455	2.08	-
250	7.92	34.14	26.63	145.9	.532	1.63	-
300	7.44	34.19	26.74	136.2	.603	1.25	-
400	6.77	34.26	26.89	123.5	.734	0.72	-
500	6.26	34.31	27.00	114.0	.853	0.55	-
600	5.73	34.35	27.09	105.8	.964	0.44	-
700	5.22	34.38	27.18	98.0	1.067	0.42	-
800	4.74	34.41	27.26	90.9	1.163	0.43	-
1000	3.88	(34.46)	(27.39)	(78.6)	(1.334)	0.85	-

STATION 904 (Interpolated Values at Standard Depths)

HORIZON: 31°44'N 120°13'W May 28, 1949 2343 GCT Wire angle: 30°
Sounding: missing Depth of observation: 1,049 m. Weather: clear
Sea: slight Wind: 270°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	16.76	33.48	24.43	351.4	.0000	4.42	-
10	16.04	33.44	24.56	339.5	.0347	5.28	-
20	14.95	33.44	24.80	316.6	.0676	5.40	-
30	14.76	33.45	24.85	311.9	.0992	5.47	-
50	14.01	33.45	25.01	297.6	.1604	5.48	-
75	11.64	33.41	25.44	256.7	.2301	5.27	-
100	10.50	33.43	25.66	236.1	.2921	4.62	-
150	9.37	33.94	26.25	181.1	.397	2.98	-
200	8.61	34.02	26.43	164.2	.484	2.55	-
250	7.98	34.10	26.59	149.8	.563	2.05	-
300	7.58	34.19	26.72	138.2	.636	1.48	-
400	6.84	34.25	26.87	125.2	.768	0.85	-
500	6.19	34.29	26.99	114.7	.889	0.57	-
600	5.65	34.34	27.10	105.4	1.000	0.48	-
700	5.18	34.39	27.19	96.6	1.102	0.46	-
800	4.73	(34.43)	(27.28)	(89.2)	(1.196)	0.47	-
1000	4.05	(34.48)	(27.39)	(79.2)	(1.366)	0.58	-

STATION 905 (Interpolated Values at Standard Depths)

HORIZON: 31°22'N 120°53'W May 29, 1949 0523 GCT Wire angle: 12°
Sounding: missing Depth of observation: 1,162 m. Weather: clear
Sea: slight Wind: 280°, force 1.

0	16.04	33.44	24.56	339.1	.0000	5.70	-
10	15.69	33.44	24.64	331.6	.0337	5.61	-
20	15.50	33.46	24.70	326.3	.0667	5.64	-
30	15.00	33.49	24.83	314.2	.0988	5.82	-
50	13.63	33.39	25.04	294.5	.1600	5.93	-
75	12.36	33.41	25.31	269.5	.2309	5.47	-
100	11.18	33.48	25.58	243.9	.2955	5.02	-
150	9.41	33.70	26.05	199.7	.407	3.60	-
200	8.53	33.90	26.35	171.9	.501	2.95	-
250	7.83	34.05	26.56	152.8	.583	2.47	-
300	7.26	34.10	26.70	140.4	.656	2.07	-
400	6.33	34.18	26.88	123.5	.790	1.88	-
500	5.78	34.23	26.99	113.8	.909	1.44	-
600	5.32	34.28	27.09	105.7	1.020	0.94	-
700	4.91	34.36	27.20	95.5	1.122	0.79	-
800	4.54	34.42	27.29	87.5	1.214	0.74	-
1000	3.88	34.49	27.42	76.5	1.380	1.12	-

STATION 906 (Interpolated Values at Standard Depths)

HORIZON: 31°02'N 121°39'W May 29, 1949 1107 GCT Wire angle: 8°
Sounding: missing Depth of observation: 1,178 m. Weather: low fog
Sea: smooth Wind: 270°, force 0-1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	15.90	33.39	24.55	339.4	.0000	5.68	-
10	16.15	33.35	24.47	348.1	.0345	5.60	-
20	15.62	33.34	24.58	337.8	.0689	5.83	-
30	15.00	33.35	24.72	324.4	.1022	5.86	-
50	13.66	33.31	24.97	300.8	.1650	5.81	-
75	12.21	33.35	25.29	271.2	.2369	5.55	-
100	11.06	33.40	25.54	247.7	.3022	5.03	-
150	9.22	33.74	26.12	193.7	.413	3.38	-
200	8.51	33.96	26.40	167.2	.504	2.93	-
250	7.82	34.01	26.54	154.2	.585	2.37	-
300	7.29	34.04	26.65	145.1	.660	1.82	-
400	6.47	34.10	26.80	131.1	.800	1.12	-
500	5.73	34.19	26.97	116.3	.924	0.68	-
600	5.18	34.27	27.10	104.3	1.036	0.41	-
700	4.83	34.34	27.19	96.1	1.137	0.34	-
800	4.52	34.40	27.28	88.8	1.230	0.39	-
1000	3.92	34.47	27.39	78.5	1.400	1.09	-

STATION 907 (Interpolated Values at Standard Depths)

HORIZON: 30°49'N 122°15'W May 29, 1949 1623 GCT Wire angle: 14°
Sounding: missing Depth of observation: 1,150 m. Weather: cloudy
Sea: smooth Wind: 220°, force 0-1.

0	16.65	33.51	24.47	347.1	.0000	5.77	-
10	16.71	33.47	24.43	351.6	.0351	5.81	-
20	16.57	33.48	24.47	348.1	.0702	5.82	-
30	15.92	33.49	24.62	333.5	.1044	5.78	-
50	14.14	33.41	24.95	303.1	.1684	5.73	-
75	12.56	33.28	25.17	282.8	.2420	6.14	-
100	11.58	33.32	25.38	262.7	.3107	5.39	-
150	9.44	33.52	25.91	213.4	.430	4.14	-
200	8.58	33.89	26.34	173.3	.528	2.92	-
250	7.92	33.99	26.52	157.0	.611	2.07	-
300	7.31	34.05	26.65	144.7	.687	1.56	-
400	6.26	34.15	26.87	124.6	.823	0.98	-
500	6.03	34.24	26.97	116.3	.944	0.62	-
600	5.52	34.33	27.10	104.5	1.056	0.48	-
700	4.98	34.39	27.22	94.0	1.156	0.53	-
800	4.58	34.42	27.29	88.0	1.248	0.68	-
1000	3.88	(34.44)	(27.37)	(80.2)	(1.418)	1.32	-

STATION 908 (Interpolated Values at Standard Depths)

HORIZON: 30°30'N 122°56'W May 29, 1949 2204 GCT Wire angle: 17°
Sounding: missing Depth of observation: 1,265 m. Weather: overcast
Sea: slight Wind: 220°, force 0-1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	18.25	33.44	24.04	388.6	.0000	5.70	-
10	17.05	33.44	24.33	361.5	.0377	5.70	-
20	16.20	33.37	24.47	348.0	.0733	6.05	-
30	15.81	33.36	24.55	340.7	.1078	6.00	-
50	15.01	33.37	24.73	323.7	.1746	5.87	-
75	13.24	33.33	25.07	292.0	.2520	6.20	-
100	11.93	33.31	25.31	269.4	.3226	6.06	-
150	9.94	33.42	25.75	228.6	.448	4.60	-
200	8.57	33.87	26.32	174.8	.550	3.36	-
250	7.62	34.01	26.57	151.4	.632	2.68	-
300	6.96	34.07	26.71	138.4	.705	2.15	-
400	6.25	34.15	26.87	124.6	.837	1.24	-
500	5.99	34.26	26.99	114.2	.958	0.57	-
600	5.55	34.36	27.12	102.5	1.067	0.30	-
700	4.97	34.41	27.23	92.4	1.165	0.34	-
800	4.47	34.44	27.31	85.1	1.255	0.48	-
1000	3.77	(34.48)	(27.42)	(76.0)	(1.418)	0.82	-

STATION 909 (Interpolated Values at Standard Depths)

HORIZON: 30°11'N 123°37'W May 30, 1949 0356 GCT Wire angle: 10°
Sounding: missing Depth of observation: 1,165 m. Weather: cloudy
Sea: rough Wind: 270°, force 1.

0	17.57	33.40	24.17	375.8	.0000	5.56	-
10	17.00	33.42	24.32	361.8	.0370	5.68	-
20	16.50	33.41	24.43	351.8	.0728	5.68	-
30	16.12	33.39	24.50	345.3	.1078	5.72	-
50	14.90	33.35	24.74	322.7	.1750	5.92	-
75	12.91	33.30	25.12	287.9	.2517	6.00	-
100	12.80	33.38	25.20	280.2	.3232	5.61	-
150	10.39	33.57	25.79	224.6	.450	4.52	-
200	9.33	33.46	25.88	216.9	.561	4.43	-
250	8.48	33.72	26.22	185.4	.663	3.67	-
300	7.71	33.90	26.47	161.7	.750	2.86	-
400	6.42	34.05	26.77	134.2	.899	1.90	-
500	5.76	34.17	26.95	118.1	1.026	1.12	-
600	5.27	34.26	27.08	106.2	1.140	0.42	-
700	4.82	34.32	27.18	97.5	1.242	0.44	-
800	4.40	34.37	27.27	89.7	1.337	0.52	-
1000	3.68	(34.45)	(27.40)	(77.2)	(1.506)	0.80	-

STATION 910 (Interpolated Values at Standard Depths)

HORIZON: 29°53'N 124°15'W May 30, 1949 0920 GCT Wire angle: 19°
Sounding: missing Depth of observation: 1,251 m. Weather: partly cloudy Sea: moderate Wind: 300°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	16.95	33.46	24.37	357.4	.0000	5.35	-
10	16.88	33.48	24.40	354.7	.0358	5.38	-
20	16.58	33.46	24.45	349.8	.0711	5.50	-
30	16.22	33.46	24.53	342.2	.1059	5.60	-
50	15.15	33.55	24.84	313.4	.1718	5.75	-
75	14.30	33.37	24.89	309.9	.2501	6.07	-
100	14.19	33.57	25.06	293.6	.3260	5.52	-
150	11.23	33.44	25.54	248.9	.463	5.17	-
200	9.07	33.60	26.03	202.4	.576	4.12	-
250	8.25	33.88	26.38	170.1	.670	3.47	-
300	7.57	34.03	26.60	149.9	.751	2.80	-
400	6.48	34.02	26.74	137.1	.895	1.52	-
500	5.86	34.15	26.92	120.7	1.025	0.70	-
600	5.34	34.31	27.11	103.6	1.138	0.46	-
700	4.92	34.35	27.19	96.3	1.239	0.58	-
800	4.52	34.37	27.25	91.0	1.334	0.75	-
1000	3.87	34.41	27.35	82.3	1.509	1.09	-

STATION 911 (Interpolated Values at Standard Depths)

HORIZON: 29°34'N 124°56'W May 30, 1949 1442 GCT Wire angle: 23°
Sounding: missing Depth of observation: 1,104 m. Weather: partly cloudy Sea: moderate Wind: 360°, force 3.

0	17.00	33.39	24.30	363.7	.0000	4.91	-
10	16.74	33.39	24.36	358.2	.0362	5.30	-
20	16.31	33.41	24.48	347.5	.0717	5.67	-
30	15.81	33.44	24.61	334.8	.1059	5.69	-
50	14.76	33.49	24.88	309.7	.1707	5.25	-
75	14.07	33.40	24.96	303.0	.2477	3.87	-
100	13.77	33.44	25.05	294.8	.3229	3.02	-
150	11.34	33.39	25.48	254.4	.461	2.42	-
200	9.16	33.68	26.08	197.7	.575	2.05	-
250	8.38	33.98	26.44	164.4	.666	1.43	-
300	7.94	34.05	26.56	153.8	.746	1.09	-
400	7.10	34.12	26.73	138.2	.894	0.88	-
500	6.32	34.19	26.89	123.7	1.026	0.76	-
600	5.69	34.26	27.03	111.7	1.144	0.60	-
700	5.17	34.31	27.13	102.4	1.253	0.45	-
800	4.68	34.34	27.21	95.3	1.352	0.41	-
1000	3.83	34.38	27.33	84.2	1.534	0.93	-

STATION 1001 (Interpolated Values at Standard Depths)

HORIZON: 31°17'N 117°00'W June 2, 1949 1800 GCT Wire angle: 18°
Sounding: missing Depth of observation: 677 m. Weather: overcast
Sea: very rough Wind: 300°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	16.72	33.62	24.54	340.5	.0000	5.10	-
10	16.15	33.62	24.67	328.3	.0336	4.95	-
20	13.40	33.60	25.25	273.6	.0638	5.16	-
30	11.25	33.61	25.67	234.0	.0893	5.45	-
50	10.46	33.66	25.85	217.1	.1346	5.65	-
75	9.76	33.82	26.09	194.4	.1863	5.52	-
100	9.33	33.96	26.27	177.7	.2332	4.56	-
150	8.70	33.99	26.40	167.0	.320	2.71	-
200	8.98	34.28	26.58	150.8	.400	2.35	-
250	8.32	34.25	26.66	143.7	.474	1.67	-
300	7.71	34.23	26.73	137.0	.545	1.29	-
400	6.78	34.28	26.90	121.8	.675	0.91	-
500	6.15	34.32	27.02	112.0	.793	0.32	-
600	5.54	34.33	27.10	104.7	.902	-	-
700	(5.13)	-	-	-	-	-	-

STATION 1002 (Interpolated Values at Standard Depths)

HORIZON: 30°58'N 117°33'W June 2, 1949 1206 GCT Wire angle: 33°
Sounding: missing Depth of observation: 996 m. Weather: overcast
Sea: very rough Wind: 310°, force missing.

0	16.25	33.62	24.65	330.3	.0000	5.21	-
10	16.76	33.64	24.55	340.3	.0337	5.31	-
20	13.02	33.68	25.39	260.7	.0638	4.92	-
30	12.90	33.60	25.35	264.6	.0902	4.96	-
50	11.82	33.42	25.42	258.3	.1428	5.10	-
75	10.56	33.42	25.64	237.3	.2050	3.49	-
100	9.75	33.68	25.98	205.3	.2607	3.17	-
150	9.59	33.97	26.24	182.2	.358	2.35	-
200	9.38	34.05	26.33	173.9	.448	1.80	-
250	8.67	34.11	26.49	159.3	.532	1.42	-
300	8.00	34.15	26.63	147.2	.609	1.15	-
400	7.03	34.23	26.83	129.1	.748	0.74	-
500	6.28	34.28	26.97	116.6	.872	0.53	-
600	5.60	34.33	27.09	105.4	.984	0.40	-
700	5.02	34.36	27.19	96.8	1.086	0.37	-
800	4.56	34.40	27.27	89.1	1.180	0.37	-
1000	(4.07)	(34.45)	(27.36)	(81.7)	(1.353)	0.75	-

STATION 1003 (Interpolated Values at Standard Depths)

HORIZON: 30°36'N 118°10'W June 2, 1949 0606 GCT Wire angle: 50°
Sounding: missing Depth of observation: 905 m. Weather: partly cloudy
Sea: high Wind: 330°, force 4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	16.21	33.68	24.70	325.1	.0000	5.20	-
10	16.53	33.62	24.59	336.8	.0332	5.37	-
20	16.53	33.57	24.55	340.6	.0672	5.60	-
30	16.53	33.64	24.60	335.8	.1012	5.63	-
50	14.51	33.51	24.95	303.2	.1654	5.67	-
75	11.51	33.35	25.42	258.8	.2361	4.69	-
100	11.09	33.51	25.62	240.2	.2988	4.26	-
150	9.25	33.69	26.07	197.7	.409	3.75	-
200	8.78	33.98	26.38	169.7	.502	2.31	-
250	8.56	34.15	26.54	154.8	.583	1.50	-
300	8.20	34.21	26.64	146.0	.659	1.08	-
400	7.21	34.22	26.80	132.3	.799	0.74	-
500	6.38	34.23	26.92	121.6	.927	0.56	-
600	5.77	34.26	27.02	112.8	1.046	0.44	-
700	5.23	34.33	27.14	101.7	1.154	0.42	-
800	4.80	34.39	27.24	93.1	1.252	0.40	-
1000	(3.99)	(34.46)	(27.38)	(80.0)	(1.427)	-	-

STATION 1004 (Interpolated Values at Standard Depths)

HORIZON: 30°15'N 118°50'W June 2, 1949 0015 GCT Wire angle: 47°
Sounding: missing Depth of observation: 1,303 m. Weather: partly cloudy
Sea: high Wind: 330°, force 4.

0	17.11	33.60	24.43	350.9	.0000	5.16	-
10	16.79	33.64	24.54	341.1	.0347	4.81	-
20	16.80	33.57	25.48	346.7	.0693	5.02	-
30	16.68	33.57	24.51	344.2	.1040	5.29	-
50	14.85	33.34	24.75	322.5	.1710	5.65	-
75	12.59	33.27	25.15	284.1	.2472	5.55	-
100	11.24	33.32	25.45	256.7	.3152	5.07	-
150	9.68	33.60	25.93	211.1	.433	3.69	-
200	8.82	33.82	26.25	182.1	.532	3.37	-
250	8.25	33.94	26.43	165.6	.620	3.38	-
300	7.77	34.02	26.56	153.5	.700	2.85	-
400	6.97	34.15	26.78	134.3	.845	0.91	-
500	6.31	34.23	26.93	120.9	.974	0.40	-
600	5.67	34.31	27.07	107.9	1.089	0.26	-
700	5.12	34.37	27.18	97.3	1.193	0.26	-
800	4.67	34.41	27.27	90.1	1.287	0.35	-
1000	3.93	34.46	27.39	79.4	1.459	0.60	-

STATION 1005 (Interpolated Values at Standard Depths)

HORIZON: 29°53'N 119°29'W June 1, 1949 1807 GCT Wire angle: 52°
Sounding: missing Depth of observation: 1,141 m. Weather: partly cloudy
Sea: very rough Wind: 330°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	16.62	33.57	24.53	341.7	.0000	5.31	-
10	16.63	33.50	24.47	347.7	.0346	5.34	-
20	16.64	33.49	24.46	348.9	.0696	5.44	-
30	16.60	33.51	24.49	346.8	.1045	5.48	-
50	15.31	33.64	24.88	310.1	.1705	5.35	-
75	14.36	33.48	24.96	302.8	.2476	4.71	-
100	12.67	33.44	25.27	273.3	.3200	4.70	-
150	10.25	33.43	25.70	232.9	.447	4.46	-
200	9.23	33.78	26.15	191.6	.554	3.60	-
250	8.55	33.96	26.40	168.6	.645	3.25	-
300	7.90	34.03	26.55	154.8	.727	2.57	-
400	6.83	34.07	26.73	138.1	.874	1.50	-
500	5.97	34.14	26.90	123.0	1.006	0.90	-
600	5.43	34.22	27.03	111.4	1.124	0.53	-
700	5.00	34.31	27.15	100.3	1.231	0.41	-
800	4.59	34.38	27.25	91.2	1.328	0.40	-
1000	3.90	34.47	27.40	78.4	1.499	0.68	-

STATION 1006 (Interpolated Values at Standard Depths)

HORIZON: 29°31'N 120°07'W June 1, 1949 1110 GCT Wire angle: 50°
Sounding: missing Depth of observation: 1,234 m. Weather: cloudy
Sea: rough Wind: 340°, force 3.

0	16.92	33.71	24.57	338.3	.0000	5.51	-
10	17.20	33.67	24.47	348.0	.0344	5.65	-
20	17.00	33.66	24.51	344.7	.0692	5.88	-
30	16.33	33.78	24.75	321.3	.1026	5.80	-
50	14.61	33.64	25.03	295.4	.1646	5.43	-
75	13.42	33.55	25.21	279.0	.2368	5.27	-
100	11.88	33.51	25.48	254.0	.3039	5.12	-
150	10.72	33.62	25.77	226.7	.425	4.80	-
200	9.80	33.79	26.06	200.0	.532	4.50	-
250	8.45	33.95	26.40	167.9	.625	4.15	-
300	7.58	34.04	26.60	149.2	.705	3.22	-
400	6.57	34.11	26.80	131.8	.846	1.85	-
500	5.91	34.19	26.95	118.4	.973	1.25	-
600	5.38	34.27	27.07	107.2	1.086	0.87	-
700	5.00	34.32	27.16	99.5	1.191	0.65	-
800	4.63	34.37	27.24	92.2	1.287	0.55	-
1000	4.01	34.44	27.36	81.8	1.463	0.63	-

STATION 1007 (Interpolated Values at Standard Depths)

HORIZON: 29°07'N 120°50'W June 1, 1949 0405 GCT Wire angle: 40°
Sounding: missing Depth of observation: 1,106 m. Weather: partly cloudy
Sea: rough Wind: 330°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	17.21	33.78	24.55	340.1	.0000	5.55	-
10	17.68	33.77	24.43	351.8	.0347	5.63	-
20	17.68	33.86	24.50	345.4	.0697	5.68	-
30	17.06	33.80	24.60	335.9	.1039	5.80	-
50	14.93	33.63	24.95	303.1	.1681	6.01	-
75	13.92	33.52	25.08	291.3	.2428	4.44	-
100	13.30	33.49	25.18	282.0	.3149	3.74	-
150	11.63	33.55	25.55	247.8	.448	2.93	-
200	9.83	33.83	26.09	197.5	.560	2.23	-
250	9.06	34.05	26.39	169.7	.653	1.18	-
300	8.47	34.15	26.56	154.4	.735	0.76	-
400	7.48	34.26	26.79	133.1	.879	0.69	-
500	6.66	34.32	26.95	118.7	1.006	0.63	-
600	6.01	34.37	27.08	107.8	1.121	0.49	-
700	5.47	34.40	27.17	99.8	1.226	0.41	-
800	5.00	34.42	27.24	93.3	1.323	0.40	-
1000	4.20	34.44	27.34	84.0	1.502	0.59	-

STATION 1008 (Interpolated Values at Standard Depths)

HORIZON: 28°50'N 121°20'W May 31, 1949 2222 GCT Wire angle: 22°
Sounding: missing Depth of observation: 1,142 m. Weather: cloudy
Sea: rough Wind: 350°, force 3.

0	17.88	33.82	24.42	352.5	.0000	5.30	-
10	18.06	33.78	24.34	359.7	.0358	5.31	-
20	17.68	33.78	24.44	351.3	.0714	5.35	-
30	16.75	33.77	24.65	331.1	.1057	5.42	-
50	15.83	33.71	24.81	316.2	.1708	5.60	-
75	14.56	33.65	25.05	294.4	.2475	5.43	-
100	12.85	33.57	25.34	267.3	.3182	4.97	-
150	10.15	33.67	25.91	213.5	.439	4.11	-
200	8.92	33.94	26.32	174.7	.537	3.48	-
250	8.42	34.08	26.51	157.7	.621	2.55	-
300	8.01	34.16	26.63	146.6	.697	1.77	-
400	7.13	34.25	26.83	129.1	.836	0.77	-
500	6.50	34.31	26.97	117.2	.960	0.43	-
600	5.91	34.36	27.08	107.2	1.074	0.32	-
700	5.35	34.40	27.18	97.8	1.177	0.31	-
800	4.83	34.42	27.26	91.1	1.273	0.36	-
1000	3.98	34.43	27.36	82.0	1.448	0.50	-

STATION 1009 (Interpolated Values at Standard Depths)

HORIZON: 28°31'N 121°52'W May 31, 1949 1652 GCT Wire angle: 16°
Sounding: missing Depth of observation: 1,267 m. Weather: overcast
Sea: moderate Wind: 020°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	17.64	33.82	24.48	346.8	.0000	5.41	-
10	18.06	33.82	24.37	356.7	.0353	5.42	-
20	17.87	33.79	24.40	354.7	.0710	5.66	-
30	17.16	33.77	24.55	340.3	.1059	5.85	-
50	15.78	33.74	24.85	312.7	.1716	5.94	-
75	14.06	33.54	25.07	292.6	.2476	5.68	-
100	12.61	33.49	25.32	268.8	.3183	4.85	-
150	10.66	33.74	25.88	216.8	.440	3.25	-
200	9.39	34.05	26.33	174.0	.539	2.50	-
250	8.39	34.06	26.50	158.8	.623	2.31	-
300	7.57	34.06	26.62	147.7	.700	2.00	-
400	6.38	34.11	26.82	129.2	.839	0.96	-
500	6.13	34.28	26.99	114.5	.962	0.60	-
600	5.67	34.39	27.14	101.6	1.071	0.43	-
700	5.15	34.42	27.22	94.0	1.170	0.38	-
800	4.65	34.44	27.29	87.5	1.262	0.39	-
1000	3.85	34.47	27.40	77.7	1.429	0.65	-

STATION 1010 (Interpolated Values at Standard Depths)

HORIZON: 28°11'N 122°25'W May 31, 1949 1135 GCT Wire angle: 22°
Sounding: missing Depth of observation: 1,257 m. Weather: clear
Sea: rough Wind: 340°, force 2-3.

0	18.06	33.77	24.34	360.1	.0000	5.12	-
10	18.16	33.77	24.31	362.7	.0363	5.47	-
20	17.53	33.82	24.50	344.8	.0718	5.58	-
30	17.20	33.81	24.58	338.4	.1061	5.66	-
50	16.11	33.75	24.78	319.3	.1722	5.73	-
75	13.97	33.52	25.07	292.2	.2491	5.73	-
100	12.12	33.49	25.41	259.8	.3185	4.20	-
150	9.98	33.96	26.16	189.6	.432	2.78	-
200	9.17	34.09	26.40	167.6	.522	2.52	-
250	8.45	34.14	26.55	153.9	.603	2.07	-
300	7.99	34.18	26.66	144.9	.678	1.50	-
400	7.05	34.23	26.83	129.4	.816	0.68	-
500	5.84	34.24	26.99	113.8	.939	0.52	-
600	5.24	34.27	27.09	105.2	1.049	0.51	-
700	4.86	34.35	27.20	95.4	1.150	0.45	-
800	4.50	34.41	27.29	87.7	1.243	0.41	-
1000	3.85	34.43	27.37	80.8	1.413	0.52	-

STATION 1011 (Interpolated Values at Standard Depths)

HORIZON: 27°51'N 123°02'W May 31, 1949 0520 GCT Wire angle: 40°
Sounding: missing Depth of observation: 1,075 m. Weather: squally
Sea: rough Wind: 360°, force 3-4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	18.35	33.80	24.29	364.7	.0000	4.69	-
10	18.50	33.77	24.23	370.9	.0369	5.18	-
20	17.26	33.82	24.57	338.7	.0726	5.22	-
30	17.00	33.80	24.61	334.7	.1064	5.35	-
50	16.45	33.72	24.68	328.7	.1730	5.50	-
75	14.78	33.64	24.99	299.7	.2520	5.48	-
100	13.20	33.50	25.21	279.3	.3248	4.79	-
150	11.00	33.77	25.84	220.4	.451	3.06	-
200	9.40	33.96	26.26	180.8	.552	2.64	-
250	8.56	34.12	26.52	156.9	.637	2.34	-
300	8.16	34.28	26.71	140.0	.711	2.00	-
400	7.38	34.31	26.84	128.2	.847	0.92	-
500	6.49	34.31	26.97	117.2	.970	0.39	-
600	5.54	34.32	27.10	105.5	1.083	0.30	-
700	4.75	34.34	27.20	94.9	1.184	0.33	-
800	4.19	34.39	27.31	85.4	1.275	0.44	-
1000	3.78	34.47	27.41	76.8	1.439	(0.82)	

STATION 1101 (Interpolated Values at Standard Depths)

HORIZON: 29°30'N 116°05'W June 3, 1949 0459 GCT Wire angle: 31°
Sounding: missing Depth of observation: 1,040 m. Weather: overcast
Sea: rough Wind: 340°, force 2.

0	16.80	33.64	24.54	341.0	.0000	4.65	-
10	16.80	33.64	24.54	341.3	.0342	4.95	-
20	16.80	33.62	24.52	342.9	.0686	4.47	-
30	16.80	33.60	24.51	344.8	.1031	3.95	-
50	14.34	33.49	24.97	301.1	.1680	3.04	-
75	12.18	33.41	25.34	266.2	.2393	2.48	-
100	10.92	33.64	25.75	227.6	.3015	2.23	-
150	9.59	33.92	26.20	186.0	.406	1.22	-
200	9.07	34.11	26.43	164.5	.494	0.81	-
250	8.68	34.25	26.60	149.2	.573	0.68	-
300	8.03	34.19	26.65	144.8	.647	0.57	-
400	7.08	34.19	26.79	132.8	.787	0.39	-
500	6.40	34.27	26.95	118.9	.914	0.38	-
600	5.77	34.35	27.09	106.0	1.027	0.43	-
700	5.17	34.39	27.20	96.4	1.129	0.55	-
800	4.70	34.41	27.27	90.2	1.224	0.65	-
1000	4.13	34.43	27.34	83.8	1.400	0.79	-

STATION 1102 (Interpolated Values at Standard Depths)

HORIZON: 29°09'N 116°44'W June 3, 1949 1054 GCT Wire angle: 11°
Sounding: missing Depth of observation: 1,296 m. Weather: overcast
Sea: rough Wind: 320°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	16.57	33.68	24.62	332.7	.0000	5.90	-
10	16.57	33.66	24.61	334.7	.0335	5.31	-
20	16.55	33.66	24.61	334.5	.0671	5.82	-
30	13.93	33.66	25.19	280.0	.0979	5.64	-
50	10.65	33.60	25.77	224.9	.1487	3.48	-
75	9.70	33.92	26.18	186.2	.2004	2.73	-
100	9.66	34.02	26.27	178.4	.2462	2.13	-
150	8.72	34.05	26.44	163.0	.332	1.97	-
200	8.74	34.42	25.94	210.7	.426	1.42	-
250	7.93	34.25	26.72	138.0	.514	1.24	-
300	7.34	34.17	26.74	136.3	.583	0.96	-
400	6.78	34.30	26.92	120.4	.713	0.54	-
500	6.02	34.31	27.03	111.1	.829	0.38	-
600	5.36	34.33	27.12	102.2	.937	0.33	-
700	4.82	34.37	27.22	93.6	1.036	0.38	-
800	4.42	34.41	27.30	86.9	1.127	0.51	-
1000	3.93	34.47	27.39	78.7	1.294	0.76	-

STATION 1103 (Interpolated Values at Standard Depths)

HORIZON: 28°46'N 117°25'W June 3, 1949 1625 GCT Wire angle: 20°
Sounding: missing Depth of observation: 1,114 m. Weather: cloudy
Sea: rough Wind: 270°, force 2.

0	16.37	33.60	24.61	334.4	.0000	4.91	-
10	16.37	33.58	24.59	336.3	.0337	5.42	-
20	16.37	33.58	24.59	336.4	.0674	5.67	-
30	16.37	33.55	24.57	338.2	.1013	5.84	-
50	14.08	33.36	24.92	305.4	.1660	5.88	-
75	12.50	33.27	25.17	282.5	.2399	5.58	-
100	11.32	33.48	25.56	246.2	.3064	4.72	-
150	9.97	33.76	26.01	204.0	.420	3.40	-
200	9.18	34.13	26.43	164.9	.513	1.77	-
250	8.55	34.18	26.57	152.3	.592	1.13	-
300	8.27	34.27	26.68	142.6	.667	0.81	-
400	7.76	34.36	26.82	129.8	.804	0.47	-
500	6.64	34.36	26.99	115.5	.928	0.35	-
600	5.77	34.37	27.10	104.6	1.039	0.37	-
700	5.16	34.38	27.19	97.0	1.141	0.50	-
800	4.70	34.41	27.27	90.2	1.235	0.69	-
1000	3.94	34.50	27.42	76.4	1.404	0.86	-

STATION 1104 (Interpolated Values at Standard Depths)

HORIZON: 28°26'N 117°58'W June 3, 1949 2143 GCT Wire angle: 25°
Sounding: missing Depth of observation: 1,063 m. Weather: overcast
Sea: rough Wind: 270°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	17.35	33.66	24.42	352.0	.0000	5.08	-
10	17.33	33.66	24.43	351.7	.0353	4.91	-
20	17.15	33.66	24.47	348.1	.0705	4.78	-
30	16.42	33.66	24.64	332.1	.1046	4.80	-
50	15.06	33.65	24.94	304.2	.1686	5.08	-
75	13.93	33.54	25.09	290.1	.2433	5.03	-
100	12.90	33.53	25.29	271.4	.3139	4.69	-
150	10.40	33.73	25.91	213.3	.436	3.12	-
200	8.82	33.90	26.31	176.2	.534	2.67	-
250	7.88	34.01	26.54	154.9	.617	2.10	-
300	7.27	34.07	26.67	142.7	.692	1.81	-
400	6.72	34.14	26.80	131.6	.831	1.27	-
500	6.43	34.31	26.97	116.4	.956	0.78	-
600	5.87	34.35	27.08	107.3	1.069	0.55	-
700	5.22	34.36	27.16	99.3	1.173	0.40	-
800	4.70	34.37	27.23	93.1	1.270	0.36	-
1000	3.97	34.38	27.32	85.5	1.451	0.65	-

STATION 1105 (Interpolated Values at Standard Depths)

HORIZON: 28°04'N 118°36'W June 4, 1949 0329 GCT Wire angle: 12°
Sounding: missing Depth of observation: 944 m. Weather: overcast
Sea: high Wind: 320°, force 2.

0	17.06	33.62	24.46	348.2	.0000	5.20	-
10	17.05	33.60	24.45	349.8	.0350	4.75	-
20	16.95	33.60	24.47	347.8	.0701	4.96	-
30	16.75	33.63	24.54	341.5	.1047	4.97	-
50	16.03	33.82	24.85	312.4	.1704	5.05	-
75	15.30	33.79	24.99	299.6	.2473	4.90	-
100	14.52	33.66	25.06	293.8	.3220	4.79	-
150	10.74	33.75	25.87	217.8	.451	4.12	-
200	8.56	33.86	26.32	175.1	.550	2.98	-
250	7.82	34.01	26.54	154.2	.633	2.17	-
300	7.37	34.10	26.68	141.9	.707	1.44	-
400	6.70	34.22	26.87	125.3	.842	0.53	-
500	6.12	34.31	27.01	112.5	.962	0.26	-
600	5.62	34.39	27.14	101.2	1.070	0.16	-
700	5.17	34.43	27.23	93.6	1.168	0.15	-
800	4.76	34.44	27.28	88.9	1.260	0.22	-
1000	(4.04)	(34.46)	(27.37)	(80.6)	(1.431)	0.48	-

STATION 1106 (Interpolated Values at Standard Depths)

HORIZON: 27°43'N 119°~~40'~~14'W June 4, 1949 0913 GCT Wire angle: 11°
Sounding: missing Depth of observation: 1,176 m. Weather: cloudy
Sea: very rough Wind: 320°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	17.85	33.78	24.39	354.8	.0000	4.90	-
10	17.83	33.80	24.41	353.2	.0355	5.20	-
20	17.82	33.80	24.42	353.1	.0710	5.31	-
30	17.75	33.80	24.43	351.8	.1004	5.38	-
50	17.00	33.77	24.59	337.4	.1756	5.50	-
75	14.98	33.63	24.94	304.6	.2564	5.33	-
100	13.00	33.49	25.24	276.3	.3294	4.83	-
150	10.47	33.68	25.86	218.2	.454	3.17	-
200	9.36	33.93	26.24	182.3	.555	2.72	-
250	8.86	34.16	26.50	158.7	.641	1.62	-
300	8.44	34.26	26.65	145.8	.717	1.02	-
400	7.62	34.30	26.80	132.3	.858	0.56	-
500	6.78	34.33	26.94	119.6	.985	0.35	-
600	5.97	34.36	27.07	108.0	1.099	0.25	-
700	5.32	34.39	27.18	98.4	1.204	0.27	-
800	4.81	34.41	27.25	91.7	1.300	0.34	-
1000	4.08	34.46	27.37	80.7	1.474	0.53	-

STATION 1107 (Interpolated Values at Standard Depths)

HORIZON: 27°~~15'~~31'N ~~120°01'~~119°52'W June 4, 1949 1504 GCT Wire angle: 21°
Sounding: missing Depth of observation: 1,086 m. Weather: overcast
Sea: rough Wind: 290°, force 1.

0	17.80	33.91	24.51	344.0	.0000	4.90	-
10	17.80	33.80	24.42	352.4	.0350	5.02	-
20	17.80	33.78	24.41	354.0	.0704	5.31	-
30	17.81	33.75	24.38	356.7	.1061	5.30	-
50	16.07	33.69	24.74	322.6	.1744	5.12	-
75	15.04	33.64	24.93	305.3	.2533	5.35	-
100	14.22	33.53	25.02	297.2	.3291	5.36	-
150	11.02	33.49	25.62	241.4	.465	4.25	-
200	9.10	33.83	26.21	185.5	.572	3.41	-
250	8.34	34.00	26.46	162.6	.660	2.67	-
300	7.83	34.12	26.63	147.0	.738	1.97	-
400	7.04	34.28	26.87	125.5	.875	1.00	-
500	6.37	34.30	26.97	116.2	.997	0.84	-
600	5.73	34.37	27.11	104.2	1.108	0.48	-
700	5.22	34.47	27.25	91.4	1.207	0.31	-
800	4.83	34.50	27.32	85.4	1.296	0.25	-
1000	4.14	34.50	27.40	78.8	1.462	0.42	-

STATION 1108 (Interpolated Values at Standard Depths)

HORIZON: 26°58'N 120°30'W June 4, 1949 1941 GCT Wire angle: 10°
Sounding: missing Depth of observation: 1,162 m. Weather: overcast
Sea: rough Wind: calm, force 0.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	18.20	33.89	24.39	354.7	.0000	5.01	-
10	18.18	33.82	24.35	359.8	.0359	5.27	-
20	18.08	33.84	24.38	356.3	.0718	4.97	-
30	17.70	33.87	24.50	345.5	.1070	4.89	-
50	16.82	33.89	24.73	324.5	.1744	4.88	-
75	16.02	33.88	24.90	308.6	.2540	5.25	-
100	15.46	33.81	24.98	301.8	.3308	5.13	-
150	11.64	33.55	25.55	248.0	.469	5.09	-
200	10.02	33.65	25.91	214.0	.585	4.76	-
250	9.18	33.99	26.32	176.1	.684	2.87	-
300	8.48	34.10	26.52	158.1	.768	2.02	-
400	7.22	34.23	26.80	131.8	.914	1.68	-
500	6.46	34.30	26.96	117.4	1.040	0.88	-
600	5.87	34.32	27.05	109.5	1.154	0.40	-
700	5.31	34.31	27.11	104.2	1.262	0.50	-
800	4.80	34.31	27.17	99.0	1.365	0.59	-
1000	4.11	34.34	27.27	90.3	1.556	0.71	-

STATION 1109 (Interpolated Values at Standard Depths)

HORIZON: 26°37'N 121°07'W June 5, 1949 0057 GCT Wire Angle: 7°
Sounding: missing Depth of observation: 1,189 m. Weather: cloudy
Sea: rough Wind: 300°, force 1.

0	18.15	33.89	24.40	353.7	.0000	4.86	-
10	18.14	33.90	24.41	353.0	.0355	5.06	-
20	18.05	33.91	24.44	350.7	.0708	5.05	-
30	17.90	33.92	24.49	346.5	.1058	5.04	-
50	17.10	33.96	24.71	325.8	.1734	5.04	-
75	16.00	33.87	24.90	308.9	.2532	5.11	-
100	15.24	33.75	24.98	301.9	.3300	5.26	-
150	13.67	33.57	25.17	284.7	.478	4.92	-
200	10.24	33.67	25.89	215.9	.604	3.90	-
250	9.10	34.00	26.34	174.0	.702	2.88	-
300	8.44	34.14	26.55	154.7	.785	2.06	-
400	7.30	34.27	26.82	129.9	.928	1.03	-
500	6.50	34.32	26.97	116.4	1.052	0.56	-
600	5.86	34.34	27.07	107.8	1.165	0.46	-
700	5.33	34.41	27.19	104.0	1.272	0.47	-
800	4.83	34,45	27.28	89.0	1.370	0.50	-
1000	3.99	34.49	27.40	77.8	1.538	0.64	-

STATION 1110 (Interpolated Values at Standard Depths)

HORIZON: 26°15'N 121°45'W June 5, 1949 0612 GCT Wire angle: 12°
Sounding: missing Depth of observation: 1,174 m. Weather: partly cloudy
Sea: slight Wind: 270°, force 0-1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	18.45	33.94	24.37	357.1	.0000	5.02	-
10	18.47	33.93	24.36	358.7	.0359	5.16	-
20	18.46	33.99	24.41	354.3	.0717	5.28	-
30	18.37	33.99	24.43	352.2	.1072	5.37	-
50	16.95	33.94	24.73	323.8	.1751	5.39	-
75	16.17	33.86	24.85	313.0	.2552	5.46	-
100	15.60	33.83	24.96	303.6	.3328	5.36	-
150	14.50	33.59	25.01	299.9	.485	4.90	-
200	10.20	33.68	25.91	214.4	.614	3.37	-
250	9.37	34.10	26.37	171.1	.711	2.00	-
300	8.60	34.16	26.54	155.6	.794	1.64	-
400	7.18	34.21	26.79	132.6	.939	1.57	-
500	6.34	34.29	26.97	116.6	1.065	1.42	-
600	5.66	34.35	27.10	104.7	1.176	1.20	-
700	5.17	34.39	27.20	96.4	1.278	0.94	-
800	4.77	34.43	27.27	89.7	1.372	0.74	-
1000	4.11	34.48	27.38	80.1	1.543	0.68	-

STATION 1111 (Interpolated Values at Standard Depths)

HORIZON: 25°52'N 122°23'W June 5, 1949 1140 GCT Wire angle: 16°
Sounding: missing Depth of observation: 1,161 m. Weather: clear
Sea: slight Wind: 270°, force 1.

0	18.88	34.02	24.32	361.5	.0000	5.23	-
10	18.87	34.04	24.34	360.2	.0362	5.13	-
20	18.87	34.03	24.33	361.1	.0724	5.00	-
30	18.33	34.00	24.45	350.7	.1082	4.96	-
50	17.39	33.96	24.64	332.4	.1768	5.64	-
75	17.05	34.03	24.78	320.4	.2589	5.89	-
100	16.61	34.00	24.86	313.1	.3386	5.41	-
150	13.00	33.67	25.38	264.3	.484	5.05	-
200	10.15	33.76	25.98	207.7	.603	3.30	-
250	9.04	33.97	26.33	175.5	.699	2.52	-
300	8.18	34.06	26.53	156.6	.783	2.33	-
400	6.94	34.13	26.76	135.4	.930	2.00	-
500	6.18	34.23	26.94	118.9	1.058	0.77	-
600	5.62	34.31	27.08	107.1	1.172	0.50	-
700	5.17	34.36	27.17	98.8	1.276	0.53	-
800	4.79	34.39	27.24	92.9	1.373	0.55	-
1000	4.12	34.40	27.32	86.0	1.554	0.52	-

STATION 1201 (Interpolated Values at Standard Depths)

HORIZON: 27°30'N 115°18'W June 8, 1949 0635 GCT Wire angle: 54°
Sounding: missing Depth of observation: 479 m. Weather: overcast
Sea: rough Wind: 320°, force 3-4.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	15.55	33.64	24.82	313.7	.0000	-	-
10	15.55	33.62	24.81	315.5	.0316	-	-
20	15.52	33.65	24.84	312.8	.0631	-	-
30	13.50	33.51	25.16	282.6	.0930	-	-
50	11.40	33.53	25.58	242.9	.1458	-	-
75	10.47	33.52	25.74	228.5	.2051	-	-
100	9.98	33.97	26.17	187.5	.2574	-	-
150	9.85	34.19	26.36	170.4	.3480	-	-
200	9.82	34.44	26.57	152.3	.4290	-	-
250	9.73	34.50	26.63	147.5	.5040	-	-
300	9.41	34.51	26.69	142.6	.5770	-	-
400	8.25	34.47	26.84	129.3	.7140	-	-

STATION 1202 (Interpolated Values at Standard Depths)

HORIZON: 27°05'N 115°53'W June 8, 1949 0024 GCT Wire angle: 38°
Sounding: missing Depth of observation: 1,001 m. Weather: overcast
Sea: moderate Wind: 330°, force 3.

0	17.25	33.60	24.40	354.0	.0000	5.13	-
10	17.23	33.64	24.44	351.0	.0354	4.92	-
20	16.10	33.63	24.69	327.0	.0694	5.44	-
30	14.95	33.57	24.90	307.2	.1013	5.36	-
50	13.82	33.50	25.09	290.0	.1613	5.08	-
75	12.50	33.46	25.32	268.4	.2315	4.85	-
100	10.52	33.52	25.73	229.7	.2941	3.50	-
150	10.72	34.26	26.27	180.0	.397	1.31	-
200	10.58	34.40	25.62	241.6	.503	1.07	-
250	10.23	34.47	26.52	158.0	.604	0.69	-
300	9.70	34.49	26.62	148.8	.681	0.56	-
400	8.63	34.46	26.77	135.9	.825	1.14	-
500	7.53	34.46	26.94	120.7	.954	1.21	-
600	6.43	34.48	27.11	105.3	1.068	0.98	-
700	5.69	34.48	27.20	96.7	1.170	0.75	-
800	5.11	34.48	27.27	90.4	1.265	0.65	-
1000	4.11	34.45	27.36	82.2	1.439	0.59	-

STATION 1203 (Interpolated Values at Standard Depths)

HORIZON: 26°40'N 116°28'W June 7, 1949 1842 GCT Wire angle: 23°
Sounding: missing Depth of observation: 1,089 m. Weather: partly cloudy
Sea: moderate Wind: 330°, force 3.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	18.33	33.93	24.39	354.8	.0000	5.15	-
10	18.33	33.93	24.39	355.1	.0356	5.25	-
20	18.33	33.92	24.38	356.3	.0714	5.19	-
30	18.32	33.87	24.35	359.9	.1073	5.14	-
50	17.50	33.78	24.48	348.1	.1784	5.12	-
75	15.05	33.63	24.92	306.2	.2607	5.59	-
100	13.80	33.54	25.12	288.0	.3354	5.50	-
150	11.00	33.50	25.63	240.4	.468	3.14	-
200	10.32	34.24	26.32	175.2	.573	1.58	-
250	9.77	34.32	26.48	161.5	.658	1.24	-
300	8.87	34.30	26.61	149.5	.736	1.03	-
400	7.48	34.26	26.79	133.1	.879	0.73	-
500	6.78	34.32	26.94	120.3	1.006	0.48	-
600	5.99	34.37	27.08	107.4	1.121	0.36	-
700	5.35	34.40	27.18	98.1	1.225	0.37	-
800	4.85	34.43	27.26	90.7	1.320	0.46	-
1000	4.10	34.46	27.37	81.3	1.494	0.68	-

STATION 1204 (Interpolated Values at Standard Depths)

HORIZON: 26°16'N 117°03'W June 7, 1949 1310 GCT Wire angle: 18°
Sounding: missing Depth of observation: 1,136 m. Weather: partly cloudy
Sea: slight Wind: 320°, force 2.

0	18.90	34.05	24.34	359.7	.0000	4.79	-
10	18.87	33.99	24.30	363.6	.0363	4.97	-
20	18.83	33.99	24.31	363.0	.0728	5.00	-
30	18.79	34.07	24.39	356.6	.1089	5.01	-
50	17.60	34.05	24.66	330.6	.1780	5.13	-
75	15.91	33.78	24.85	313.4	.2589	5.47	-
100	14.63	33.69	25.06	293.6	.3353	5.06	-
150	11.43	33.57	25.61	242.7	.470	3.44	-
200	9.60	34.01	26.27	180.4	.577	2.66	-
250	9.17	34.15	26.45	164.3	.664	2.04	-
300	8.77	34.23	25.57	153.1	.742	1.43	-
400	7.80	34.31	26.78	134.1	.886	0.62	-
500	6.87	34.29	26.90	123.9	1.016	0.45	-
600	6.06	34.28	27.00	114.9	1.137	0.49	-
700	5.47	34.33	27.11	105.0	1.248	0.60	-
800	4.98	34.39	27.22	95.3	1.349	0.77	-
1000	4.23	34.44	27.34	84.4	1.531	1.19	-

STATION 1205 (Interpolated Values at Standard Depths)

HORIZON: 25°51'N 117°37'W June 7, 1949 0741 GCT Wire angle: 11°
Sounding: missing Depth of observation: 1,185 m. Weather: partly cloudy
Sea: slight Wind: 330°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	19.41	34.07	24.23	370.7	.0000	4.66	-
10	19.35	34.07	24.24	369.6	.0372	4.85	-
20	19.24	34.09	24.28	365.9	.0741	5.01	-
30	19.10	34.10	24.33	362.0	.1106	5.19	-
50	18.27	34.09	24.53	343.4	.1815	5.30	-
75	16.25	33.85	24.83	315.6	.2644	5.12	-
100	14.05	33.68	25.18	282.7	.3396	4.74	-
150	11.03	33.79	25.85	219.4	.466	2.70	-
200	9.86	34.09	26.29	178.6	.566	2.01	-
250	9.63	34.34	26.52	157.6	.651	1.00	-
300	9.23	34.40	26.63	147.6	.728	0.57	-
400	8.03	34.40	26.82	130.9	.868	0.33	-
500	7.21	34.42	26.95	119.1	.994	0.31	-
600	6.44	34.43	27.07	109.2	1.110	0.33	-
700	5.67	34.43	27.16	100.1	1.215	0.42	-
800	5.08	34.43	27.24	93.6	1.313	0.51	-
1000	4.30	34.45	27.34	84.6	1.493	0.69	-

STATION 1206 (Interpolated Values at Standard Depths)

HORIZON: 25°28'N 118°16'W June 7, 1949 0240 GCT Wire angle: 20°
Sounding: missing Depth of observation: 1,149 m. Weather: partly cloudy
Sea: slight Wind: 290°, force 2.

0	19.72	34.22	24.26	367.5	.0000	4.50	-
10	19.70	34.20	24.25	368.8	.0370	4.51	-
20	19.42	34.15	24.28	365.8	.0738	4.60	-
30	19.17	34.12	24.32	362.3	.1104	4.86	-
50	18.45	34.02	24.43	352.6	.1822	5.16	-
75	16.60	33.84	24.74	323.9	.2673	5.19	-
100	14.08	33.71	25.27	273.7	.3425	5.16	-
150	11.42	33.58	25.61	241.8	.472	3.13	-
200	10.66	34.06	26.12	194.2	.582	2.26	-
250	9.85	34.19	26.36	172.3	.674	1.84	-
300	9.02	34.27	26.56	153.9	.757	1.17	-
400	7.85	34.35	26.81	131.8	.901	0.41	-
500	7.01	34.38	26.95	119.2	1.027	0.21	-
600	6.26	34.39	27.06	109.5	1.143	0.26	-
700	5.54	34.40	27.16	100.6	1.249	0.48	-
800	4.94	34.42	27.24	92.5	1.346	0.62	-
1000	4.20	34.43	27.33	84.7	1.525	0.70	-

STATION 1207 (Interpolated Values at Standard Depths)

HORIZON: 25°00'N 118°48'W June 6, 1949 2023 GCT Wire angle: 15°
Sounding: missing Depth of observation: 1,163 m. Weather: partly cloudy
Sea: moderate Wind: 330°, force 1-2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (μg at/L)
0	19.30	34.13	24.30	363.7	.0000	4.05	-
10	19.30	34.14	24.31	363.4	.0365	4.85	-
20	19.22	34.11	24.30	363.8	.0730	4.85	-
30	18.20	34.00	24.48	347.7	.1087	4.89	-
50	16.89	33.88	24.70	326.7	.1765	5.14	-
75	15.50	33.81	24.97	302.1	.2556	5.14	-
100	13.84	33.67	25.21	279.2	.3287	4.65	-
150	10.67	33.80	25.92	212.8	.452	2.58	-
200	10.26	34.25	26.34	173.4	.550	1.57	-
250	9.75	34.34	26.50	159.6	.633	1.10	-
300	9.09	34.39	26.65	146.0	.710	0.87	-
400	8.31	34.43	26.80	133.2	.851	0.49	-
500	7.00	34.40	26.97	117.5	.978	0.15	-
600	5.95	34.41	27.12	104.0	1.089	0.08	-
700	5.32	34.43	27.21	95.4	1.190	0.15	-
800	4.82	34.46	27.29	88.2	1.283	0.34	-
1000	4.06	34.49	27.40	78.5	1.451	0.58	-

STATION 1208 (Interpolated Values at Standard Depths)

HORIZON: 24°35'N 119°24'W June 6, 1949 1415 GCT Wire angle: 19°
Sounding: missing Depth of observation: 1,106 m. Weather: cloudy
Sea: moderate Wind: 300°, force 1.

0	19.33	34.07	24.25	368.8	.0000	4.35	-
10	19.31	34.07	24.25	368.7	.0370	4.96	-
20	19.20	34.06	24.27	367.0	.0740	5.16	-
30	18.84	34.03	24.34	360.9	.1105	5.20	-
50	17.68	33.93	24.55	341.1	.1810	5.23	-
75	16.17	33.80	24.81	317.5	.2638	5.36	-
100	14.98	33.73	25.02	297.8	.3412	5.30	-
150	11.10	33.69	25.76	228.2	.474	3.65	-
200	9.88	34.13	26.31	176.1	.575	2.18	-
250	9.43	34.27	26.50	159.5	.660	1.70	-
300	9.16	34.35	26.61	150.1	.738	0.39	-
400	8.14	34.43	26.82	130.7	.879	0.45	-
500	7.03	34.42	26.98	116.5	1.004	0.38	-
600	6.08	34.42	27.11	104.9	1.116	0.33	-
700	5.37	34.42	27.19	96.8	1.218	0.32	-
800	4.90	34.42	27.25	92.0	1.313	0.33	-
1000	4.43	34.45	27.33	86.2	1.493	0.43	-

STATION 1209 (Interpolated Values at Standard Depths)

HORIZON: 24°11'N 119°54'W June 6, 1949 0825 GCT Wire angle: 16°
Sounding: missing Depth of observation: 1,149 m. Weather: cloudy
Sea: rough Wind: 320°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm^3)	$10^5\delta$	ΔD (dyn.m.)	O_2 (ml/L)	PO_4-P (µg at/L)
0	19.15	33.91	24.17	376.0	.0000	5.07	-
10	18.93	33.96	24.26	367.4	.0373	5.09	-
20	18.68	33.96	24.33	361.6	.0739	5.16	-
30	18.35	33.94	24.40	355.5	.1099	5.23	-
50	16.95	33.84	24.66	331.1	.1789	5.34	-
75	15.70	33.73	24.86	312.4	.2598	5.30	-
100	15.08	33.65	24.93	306.0	.3376	5.44	-
150	13.01	33.55	25.29	273.3	.483	4.30	-
200	10.15	34.04	26.20	187.1	.599	2.45	-
250	10.09	34.27	26.39	170.4	.689	1.05	-
300	9.70	34.37	26.53	157.6	.772	0.62	-
400	8.35	34.43	26.79	133.6	.919	0.27	-
500	7.19	34.39	26.93	120.9	1.047	0.22	-
600	6.13	34.35	27.05	110.8	1.164	0.30	-
700	5.43	34.37	27.15	101.4	1.271	0.44	-
800	4.93	34.40	27.23	93.9	1.370	0.57	-
1000	4.19	34.46	27.36	82.3	1.548	0.65	-

STATION 1210 (Interpolated Values at Standard Depths)

HORIZON: 23°47'N 120°30'W June 6, 1949 0240 GCT Wire angle: 5°
Sounding: missing Depth of observation: 1,019 m. Weather: cloudy
Sea: moderate Wind: 270°, force 0-1.

0	19.38	33.98	24.16	376.6	.0000	4.55	-
10	19.35	34.04	24.22	371.7	.0376	4.86	-
20	19.29	34.04	24.23	370.6	.0748	4.95	-
30	19.15	34.04	24.27	367.6	.1119	5.37	-
50	18.25	33.98	24.45	350.7	.1841	4.91	-
75	16.75	33.87	24.73	325.1	.2690	5.20	-
100	15.84	33.77	24.86	313.2	.3493	5.02	-
150	12.37	33.78	25.59	244.4	.490	4.86	-
200	10.60	34.13	26.19	188.2	.599	3.00	-
250	9.57	34.29	26.49	160.2	.686	1.18	-
300	8.85	34.40	26.69	141.7	.762	0.70	-
400	7.68	34.42	26.89	124.2	.896	0.42	-
500	6.67	34.42	27.03	111.5	1.015	0.31	-
600	5.94	34.42	27.12	103.3	1.124	0.31	-
700	5.40	34.42	27.19	97.3	1.225	0.35	-
800	4.96	34.42	27.24	92.7	1.321	0.43	-
1000	4.18	34.50	27.39	79.4	1.495	0.59	-

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