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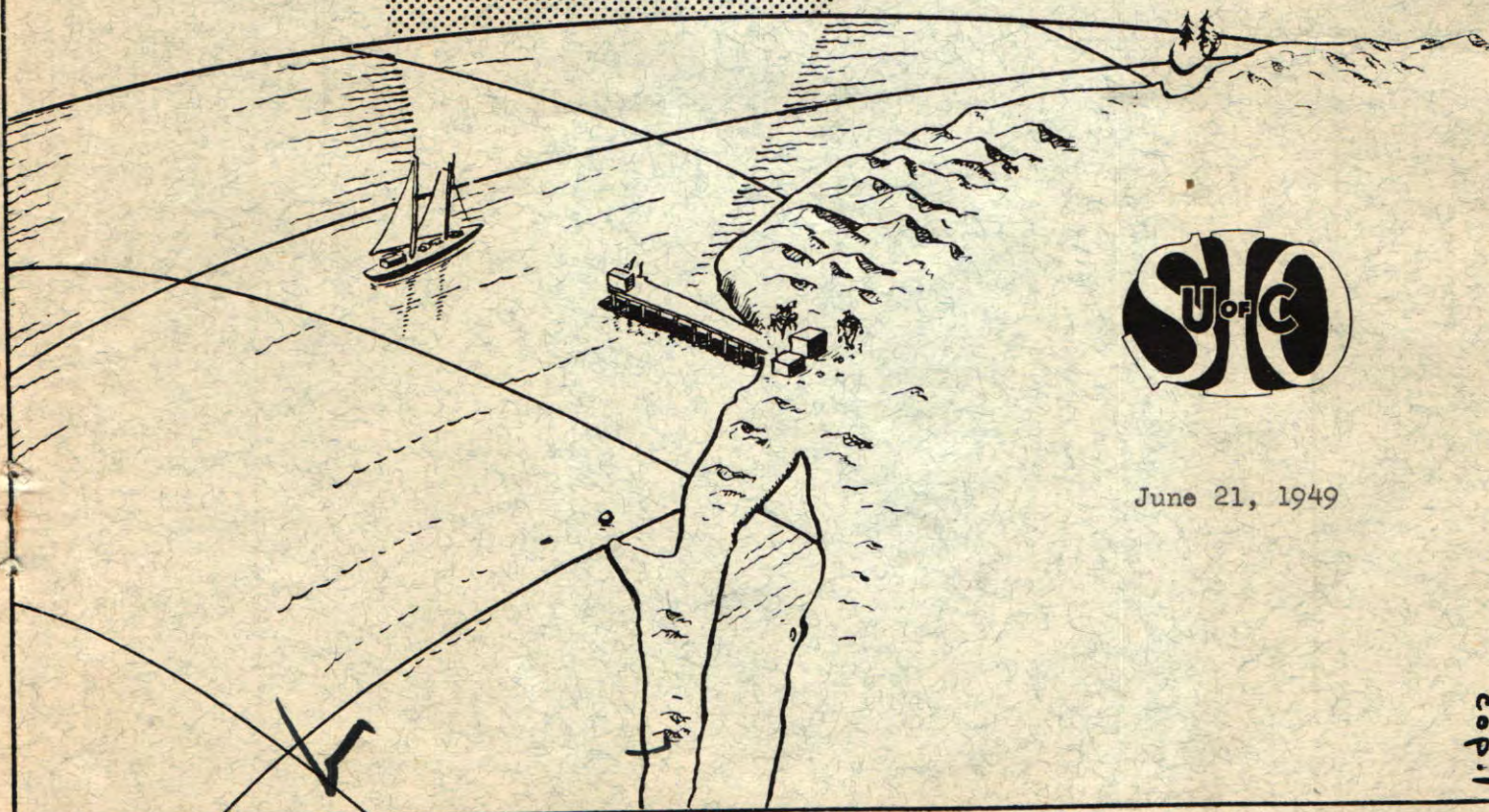
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UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CRUISE 1 - FEBRUARY 28 TO MARCH 16, 1949

Marine Life Research Program
Division III, Physical Oceanography
Division of Chemical Oceanography



June 21, 1949

SCRIPPS INSTITUTION OF OCEANOGRAPHY / PHYSICAL & CHEMICAL DATA REPORT No. 1
cop. 1

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UNIVERSITY OF CALIFORNIA
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PHYSICAL AND CHEMICAL DATA
CRUISE 1 - FEBRUARY 28 TO MARCH 16, 1949
MARINE LIFE RESEARCH PROGRAM

Report Prepared June 21, 1949

Physical and Chemical Data Report No. 1

PHYSICAL AND CHEMICAL DATA

CRUISE 1 - FEBRUARY 28 TO MARCH 16, 1949

MARINE LIFE RESEARCH PROGRAM

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Introduction

The data presented here were collected on the first full-scale cruise conducted in the Marine Life Research Program. The three ships taking part were the MV HORIZON and MV CREST, of the Scripps Institution of Oceanography, and the MV W.B. SCOTFIELD, of the California Division of Fish and Game. These ships and their equipment are described in the Progress Report of the Marine Life Research Program dated May 1, 1949.

Data are presented in the form of tabulated values at standard depths and horizontal distribution charts of certain quantities at selected depths. Extrapolated values are indicated by parentheses. 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 as indicated on the six standard forms of the above divisions. These forms and their use will be described in a separate technical report.

Personnel

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

Oceanographers

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 Wooster, Warren S., Associate in Marine Chemistry
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 Mann, Herbert J., Technical
 Stose, Clemens W., Hull

Ships' Captains

Austin, Milton L., MV CREST
 Olson, Edward B., MV HORIZON
 Godsil, Harry, MV N.B. SCOFIELD

Technicians

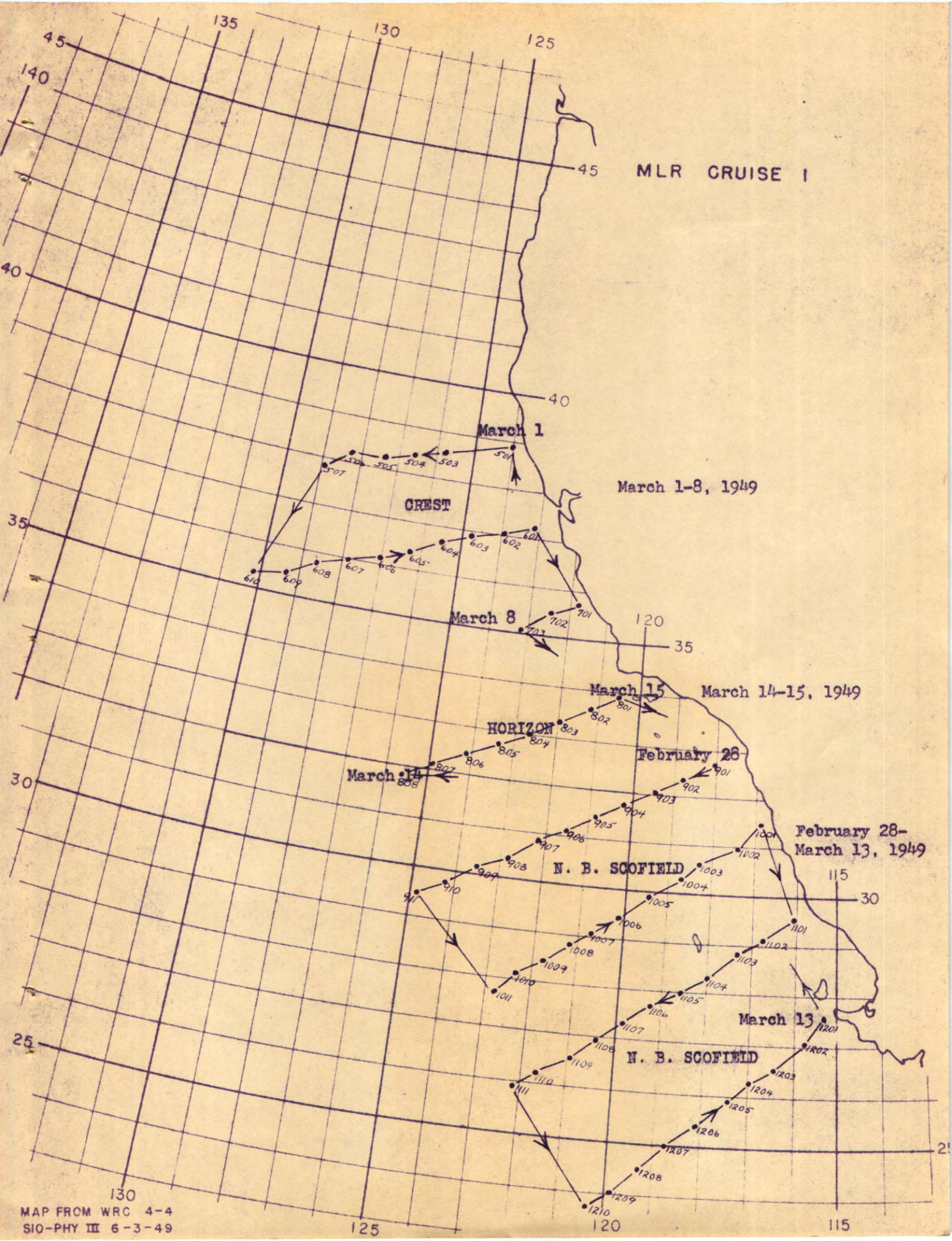
Blankenship, John, Senior Marine Technician			
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Malm, Paul W.,	"	"	"

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 Pyle, Lewis W., Assistant Marine Chemist
 Sullivan, Joan E., Laboratory Technician

Office Personnel, Physical Oceanography

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 Langloy, Miriam, Draftsman
 Mao, Han-Loo, Research Assistant
 McLatchie, Faye, Meteorologist
 Reid, Joseph L., Research Assistant
 Wilburn, Virginia A., Statistician



MLR CRUISE I

FEB 28 - MARCH 16, 1949

DYNAMIC HEIGHT ANOMALIES
AFTER ELIMINATION OF
TIDAL EFFECT

0 OVER 1000 DECIBARS

CONTOUR INTERVAL 0.05 DYNAMIC METERS

Distance Between
Contours

2 4 6 8 10 Knots
10 20 30 40 50 cm/sec

35 CURRENT DIRECTION AS
INDICATED BY ARROWS

48706

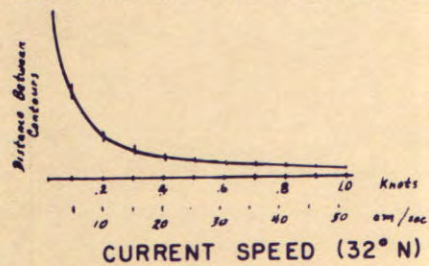
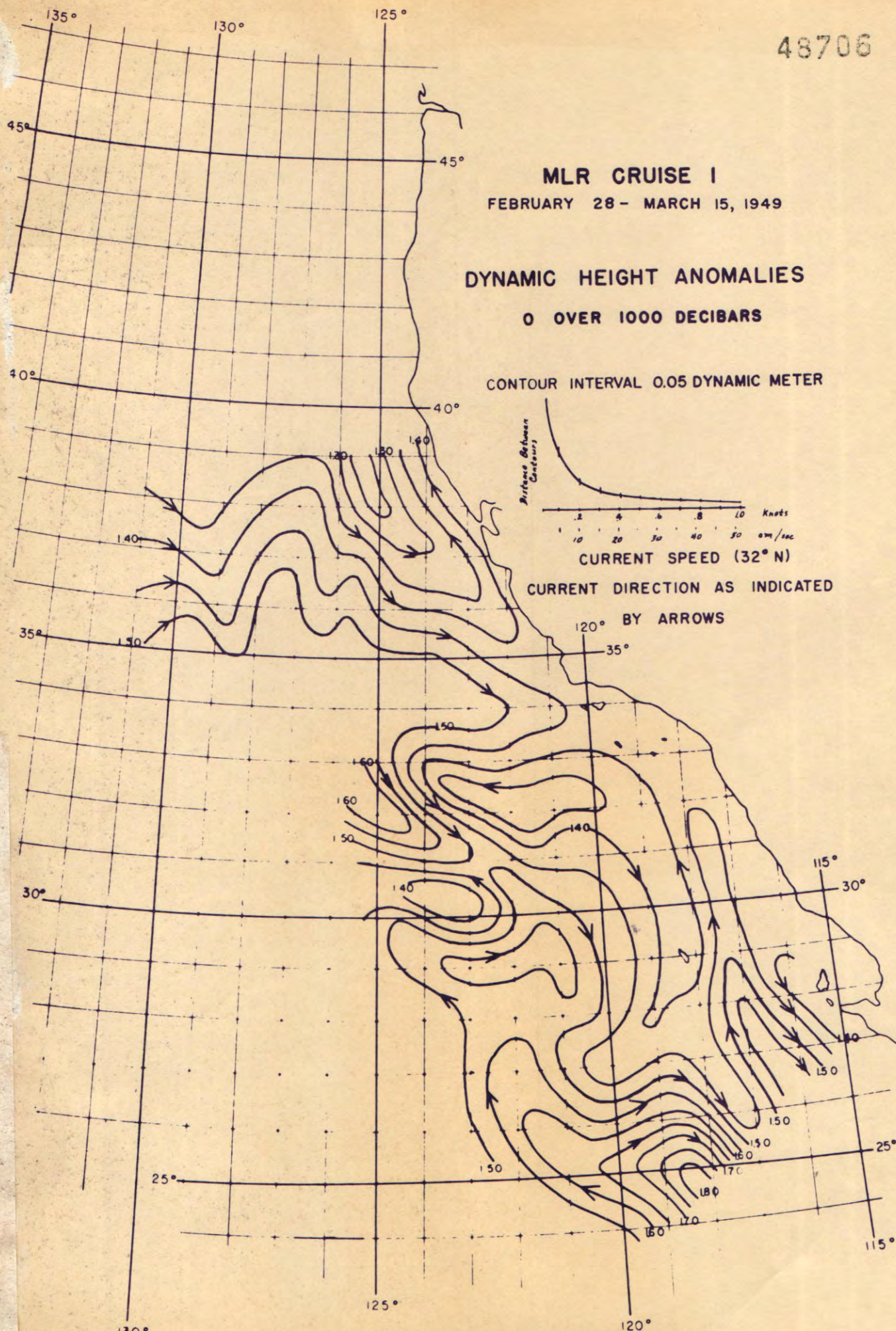
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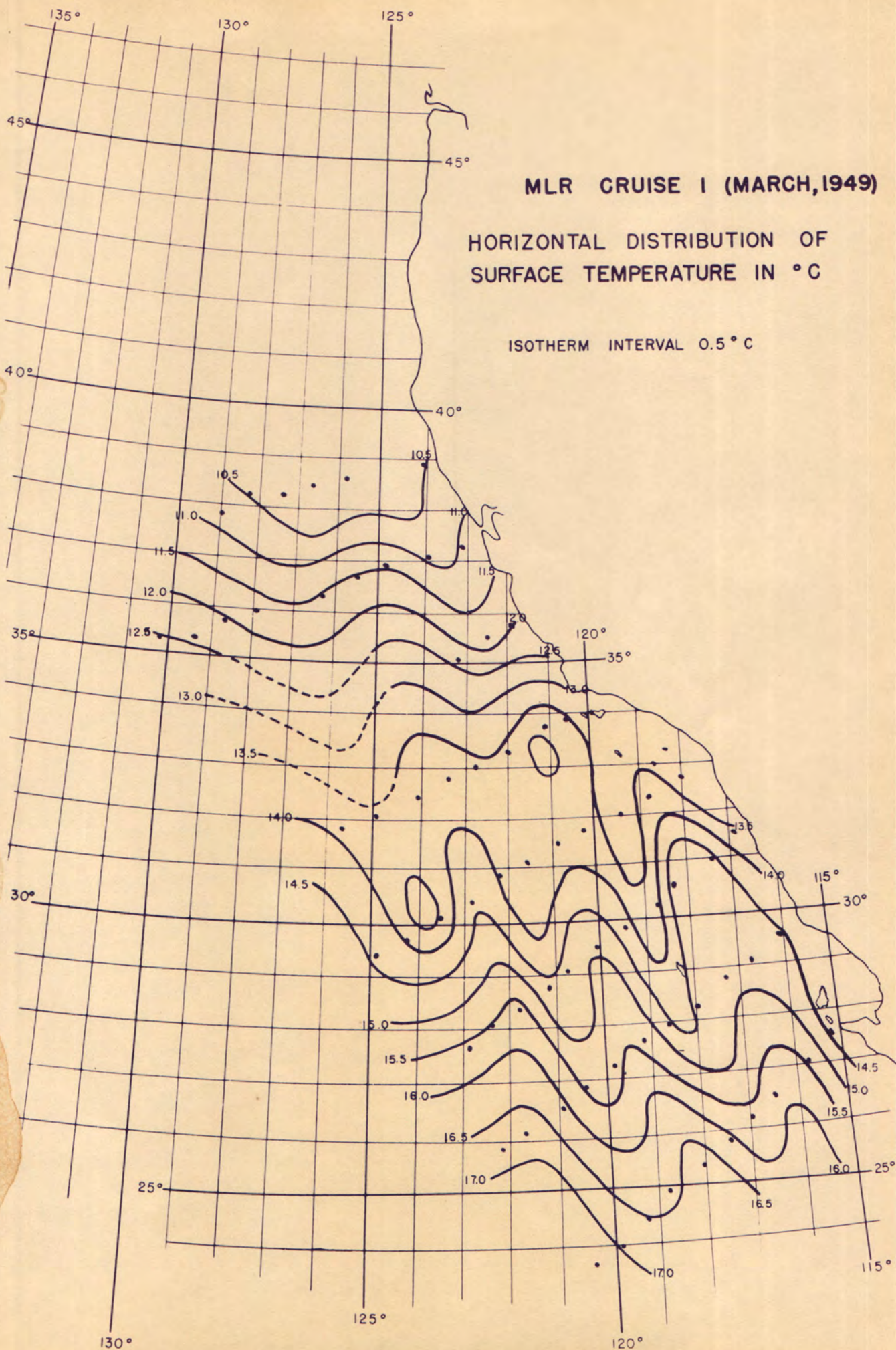
FEBRUARY 28 - MARCH 15, 1949

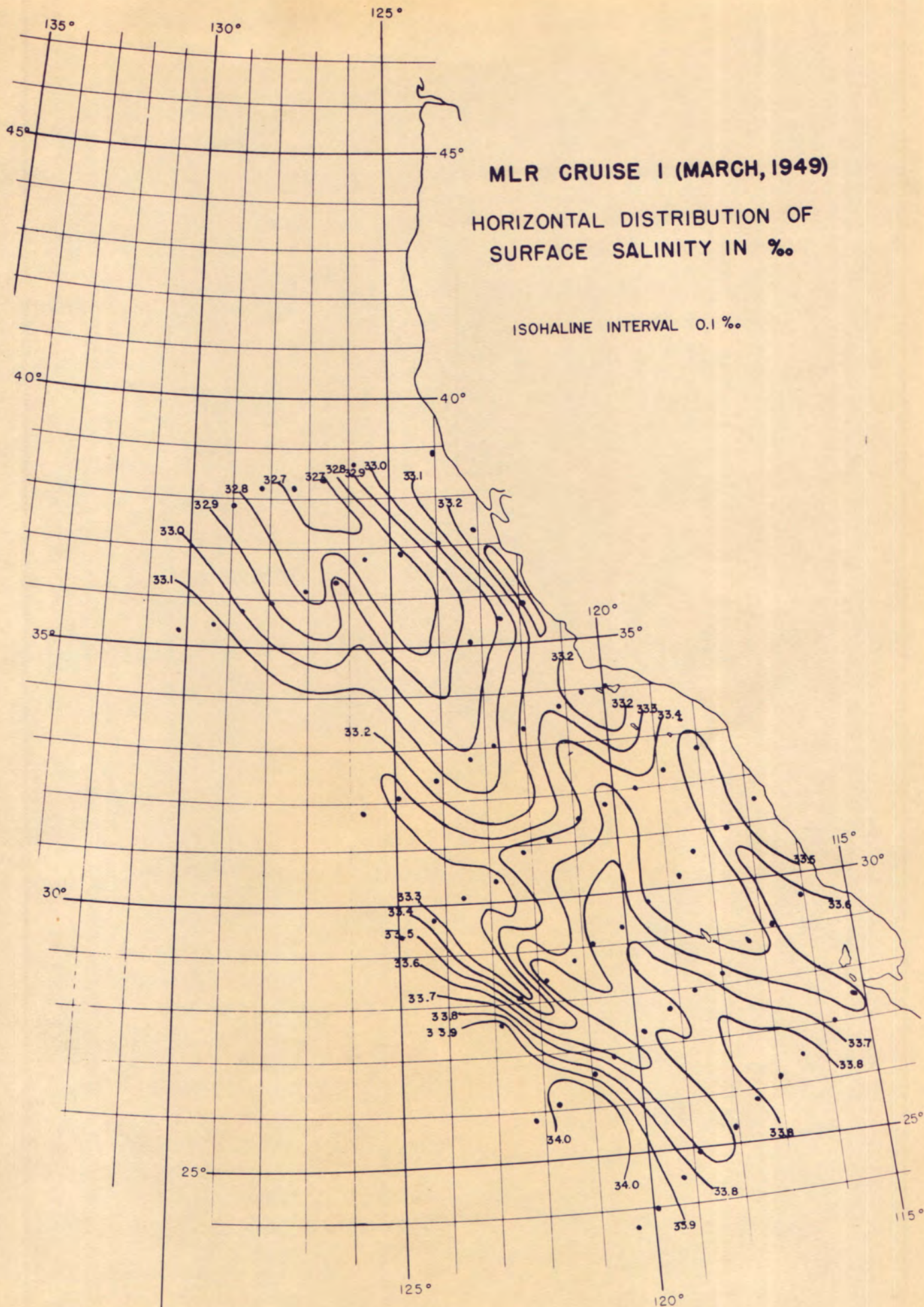
DYNAMIC HEIGHT ANOMALIES

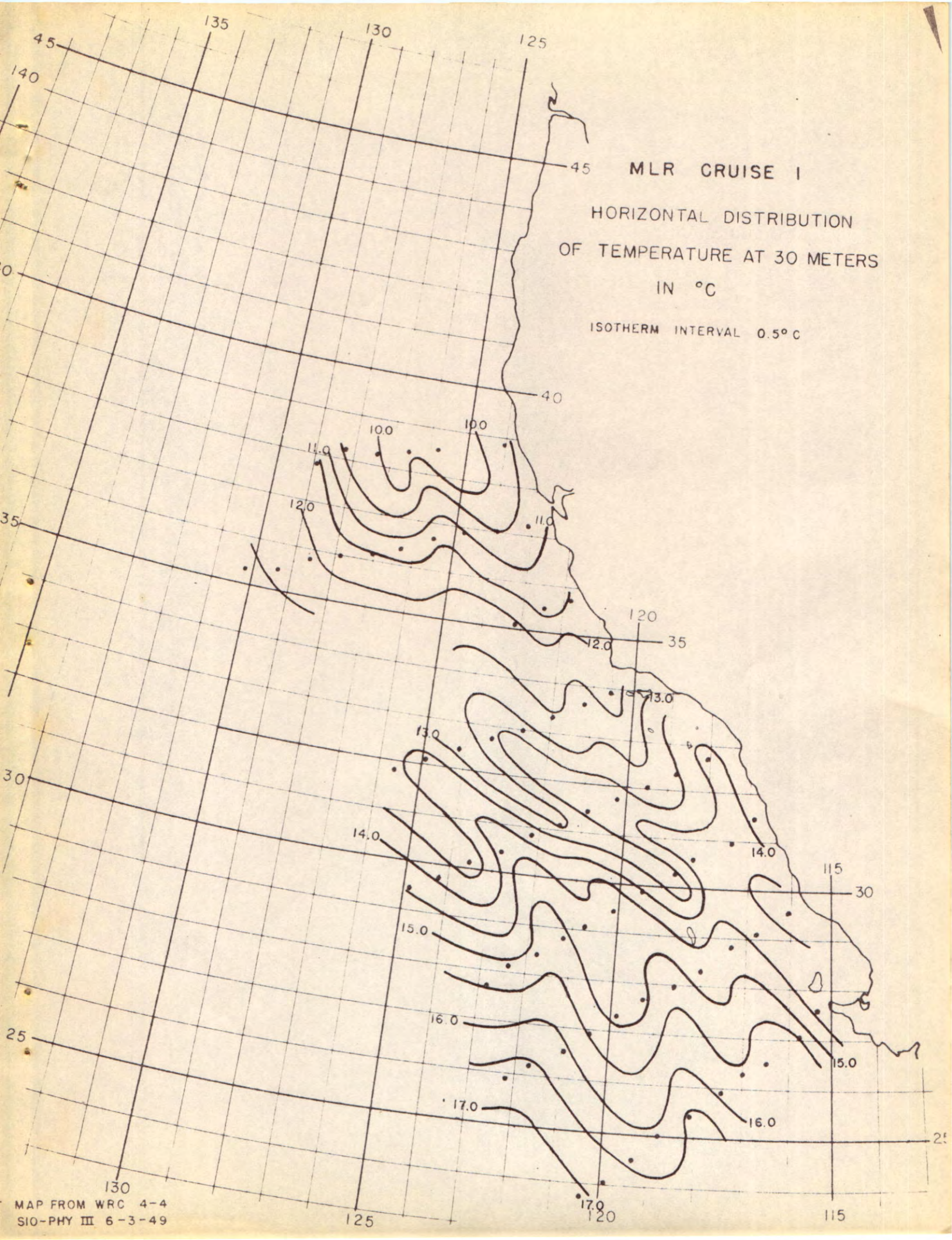
0 OVER 1000 DECIBARS

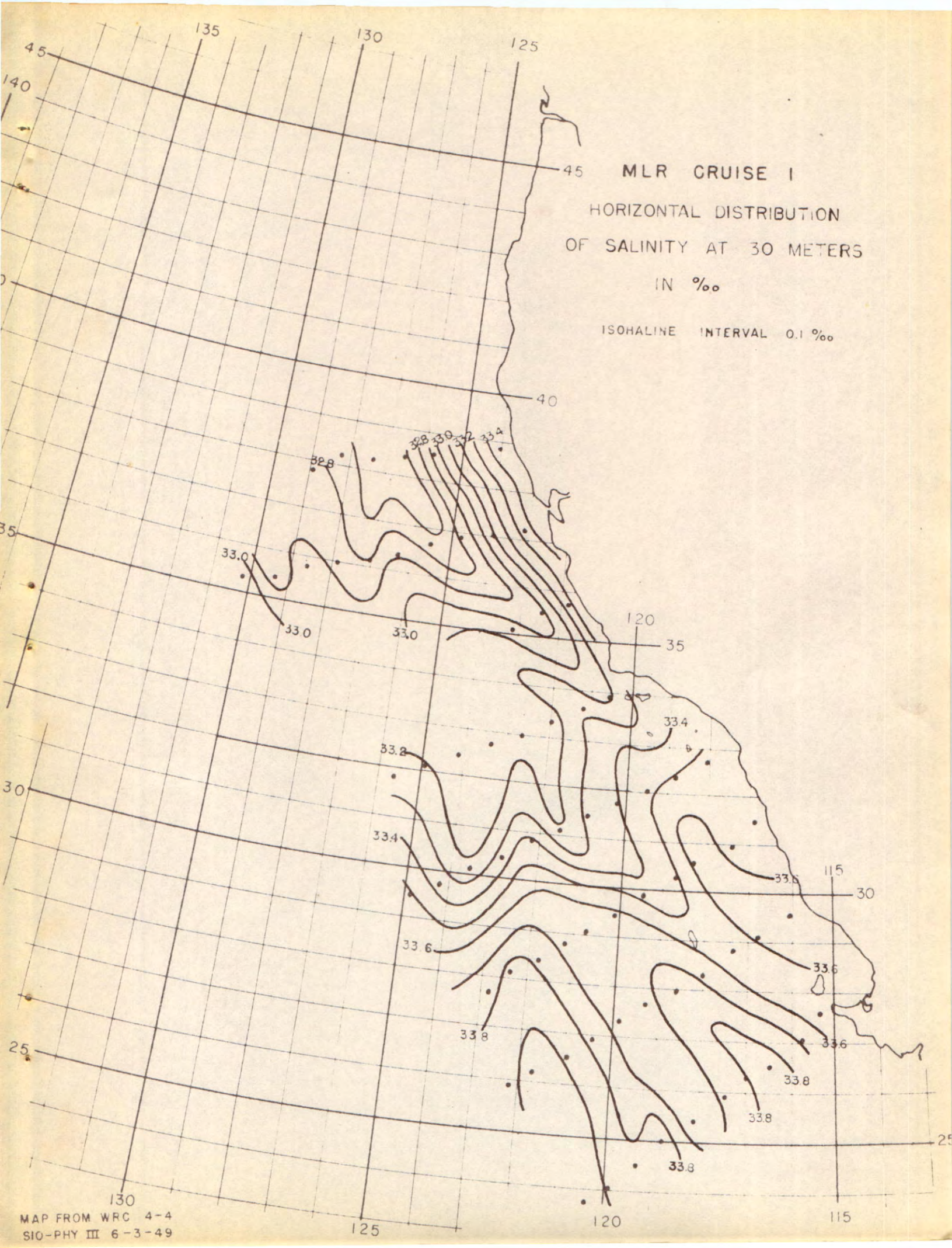
CONTOUR INTERVAL 0.05 DYNAMIC METER

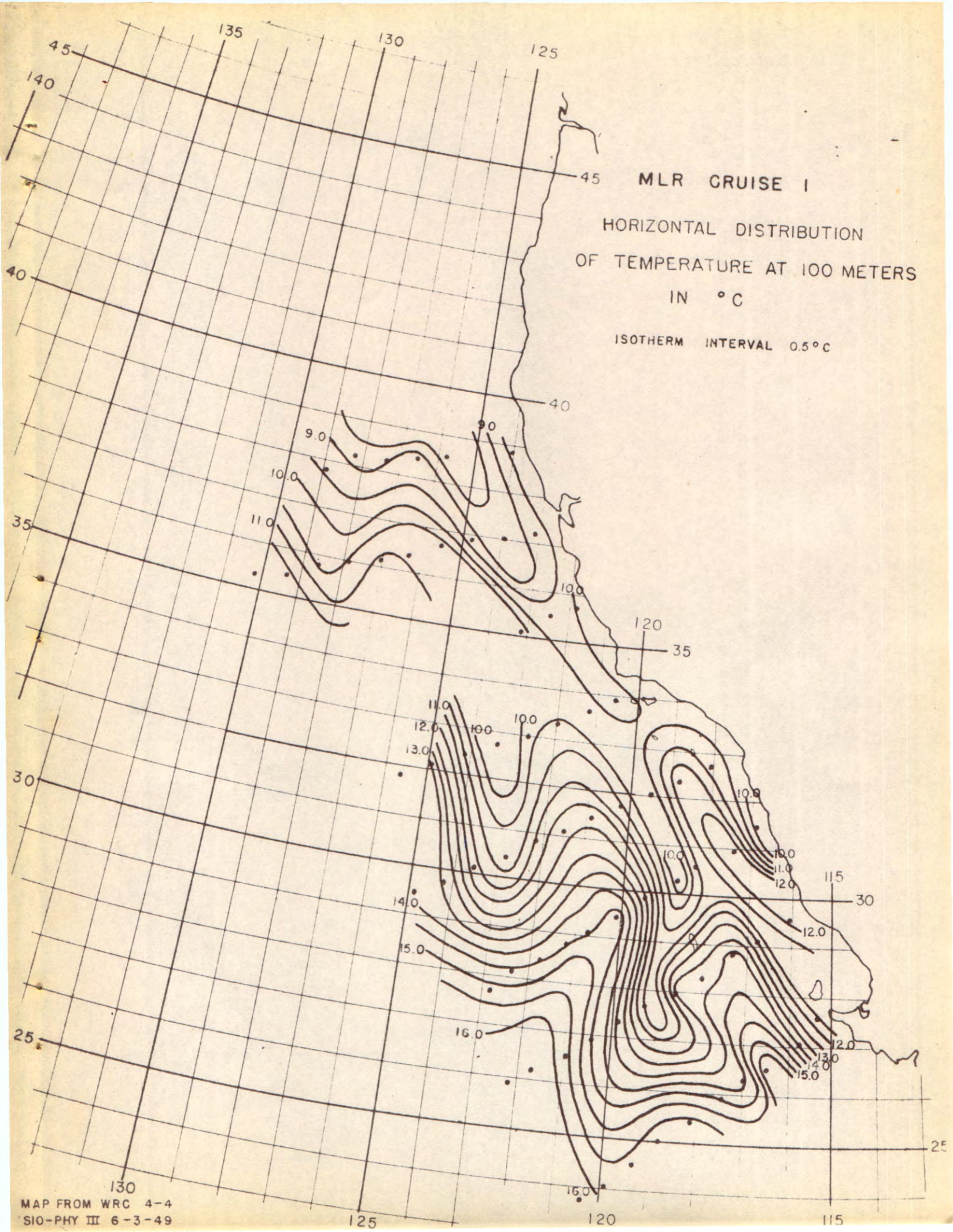
CURRENT DIRECTION AS INDICATED
BY ARROWS

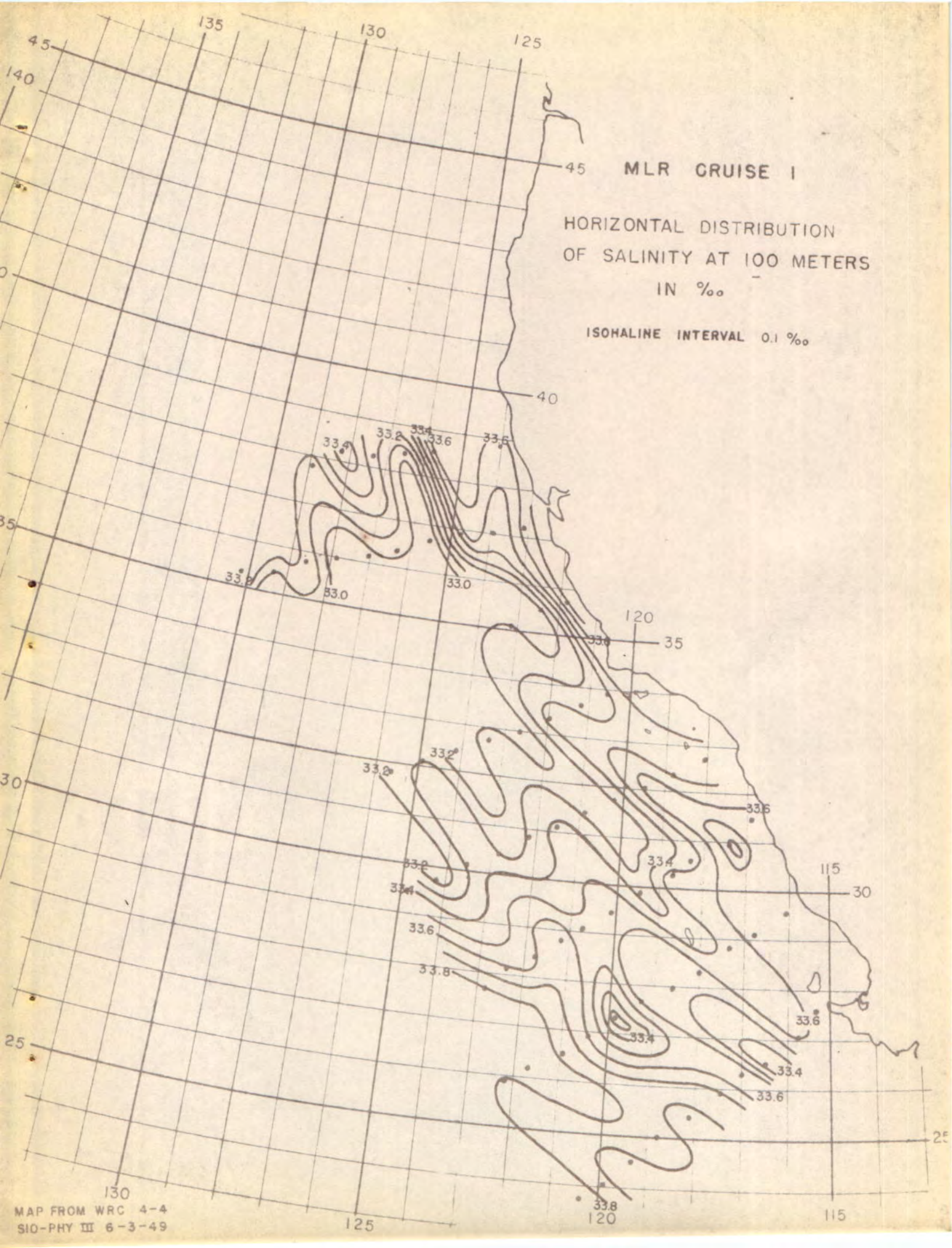


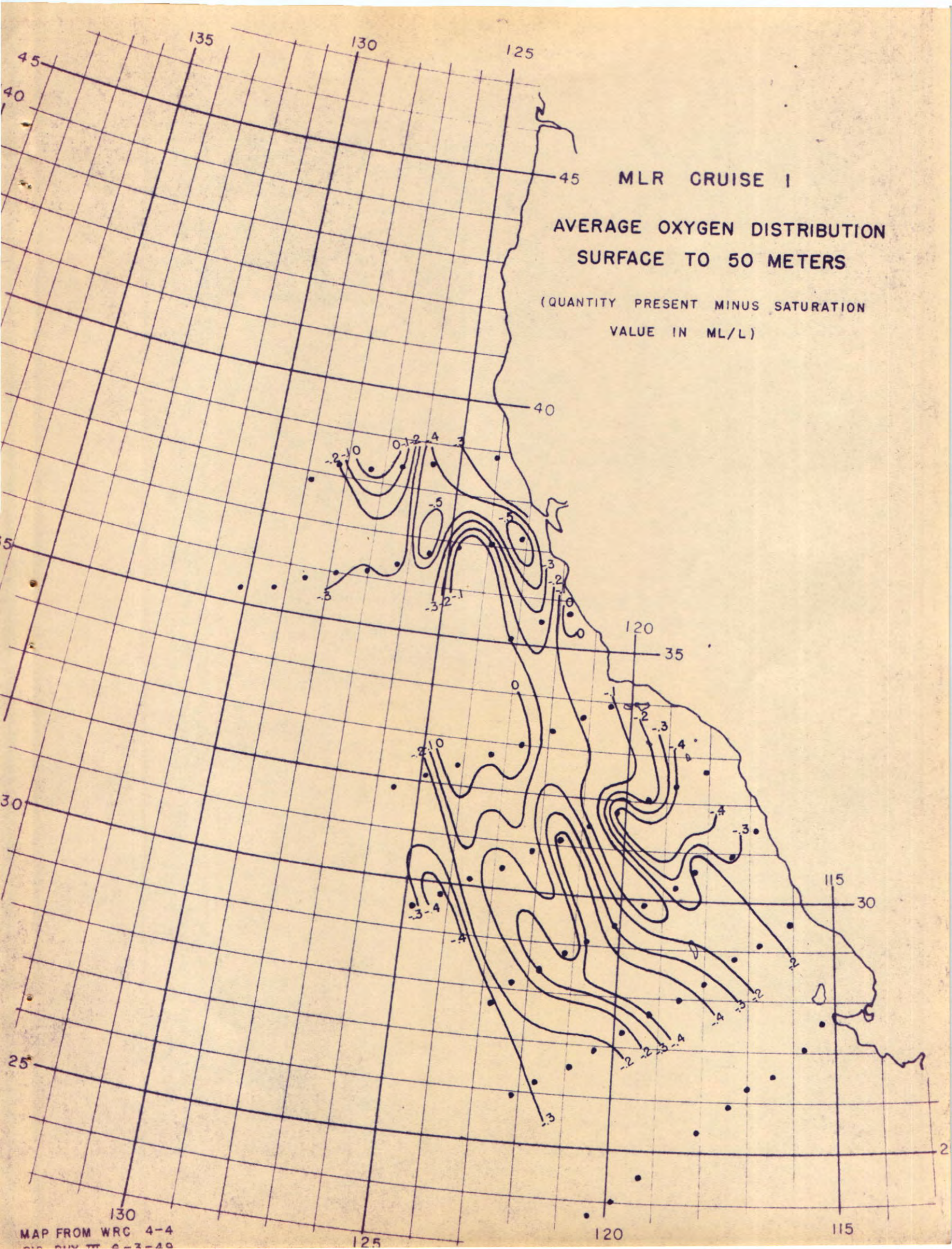


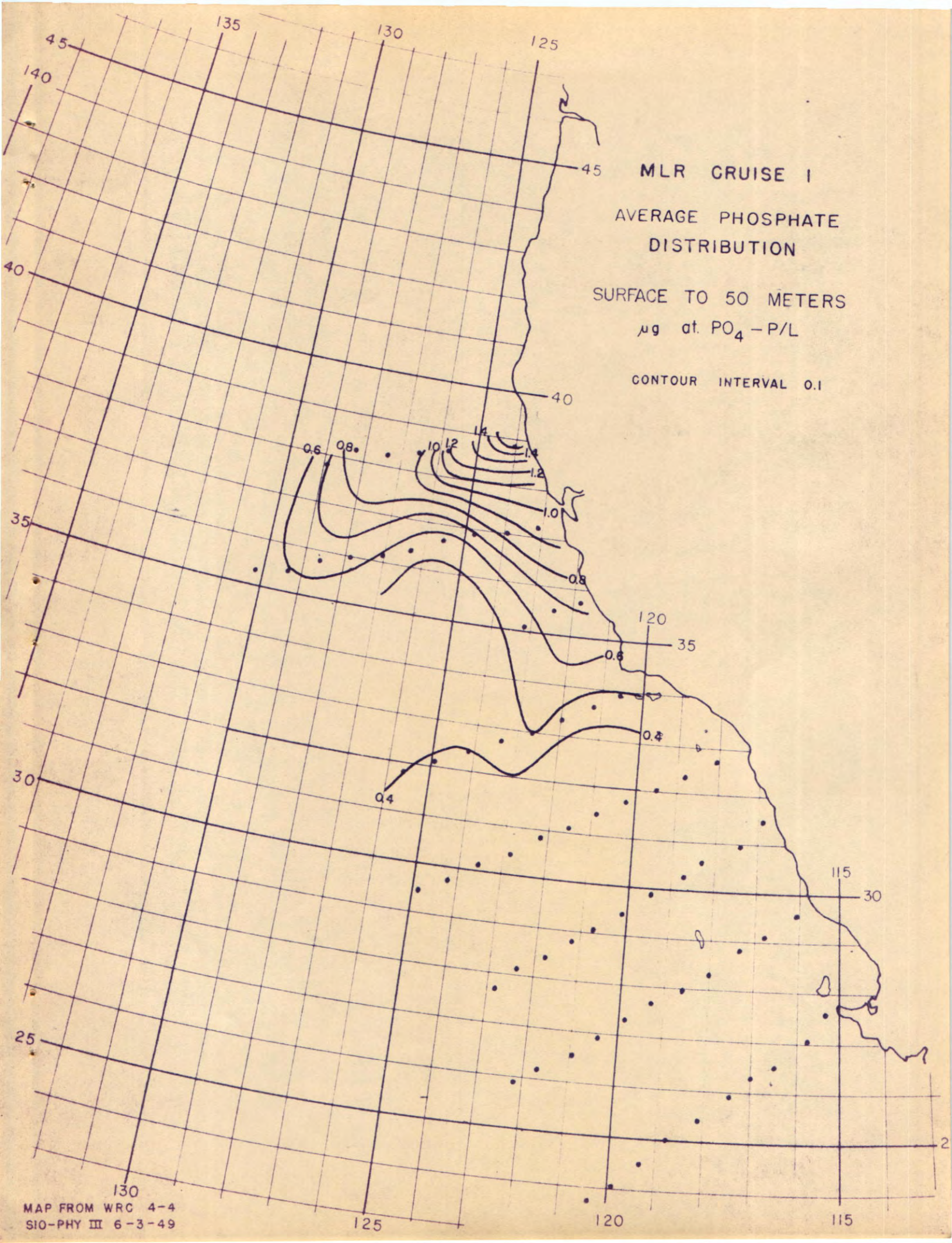












STATION 501 (Interpolated Values at Standard Depths)

CREST: 38°50'N 124°05'W March 1, 1949 0835-1018 GCT Wire angle: 40°
Sounding: missing Depth of observation: 896 m. Weather: overcast
Sea: slight Wind: 225°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ ζ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	10.49	-	-	-	.0000	6.25	1.51
10	10.46	33.44	25.68	232.5	.0233	6.26	1.52
20	10.45	33.42	25.66	234.1	.0468	6.26	1.53
30	10.45	33.44	25.68	233.2	.0702	6.26	1.56
50	10.25	33.42	25.70	231.5	.1169	6.03	1.64
75	9.88	33.49	25.82	220.7	.1738	4.92	1.88
100	9.65	33.58	25.92	211.0	.2281	3.94	2.20
150	8.79	33.85	26.27	178.5	.326	2.53	2.56
200	8.57	33.92	26.36	171.0	.414	2.18	2.79
250	8.26	33.97	26.45	163.6	.498	1.95	2.86
300	7.76	34.00	26.55	154.2	.578	1.66	2.88
400	6.58	34.06	26.76	135.6	.734	0.98	3.22
500	5.81	34.11	26.89	123.1	.873	0.59	3.41
600	5.29	34.16	27.00	114.0	.993	0.33	3.58
700	4.87	34.21	27.08	106.0	1.104	0.31	3.65
800	4.62	34.26	27.15	100.5	1.208	0.31	3.70
1000	(4.27)	(34.36)	(27.27)	(90.7)	(1.401)	-	-

STATION 503 (Interpolated Values at Standard Depths)

CREST: 38°35'N 125°48'W March 1, 1949 2039-2140 GCT Wire angle: 15°
Sounding: missing Depth of observation: 1,203 m. Weather: fog Sea:
missing Wind: 160°, force 2.

0	10.10	32.95	25.36	263.0	.0000	6.43	1.10
10	9.89	32.94	25.38	260.5	.0263	6.25	0.88
20	9.75	32.94	25.41	258.6	.0523	6.24	1.13
30	9.54	32.99	25.48	252.2	.0780	6.19	1.26
50	9.07	33.30	25.80	221.9	.1256	5.72	1.53
75	8.85	33.49	25.98	205.0	.1793	4.48	2.01
100	8.29	33.63	26.18	186.6	.2286	3.48	2.27
150	7.48	33.84	26.46	160.5	.316	2.98	2.40
200	6.85	33.94	26.63	145.5	.393	2.66	2.58
250	6.36	33.95	26.70	138.7	.465	2.18	2.86
300	6.00	33.96	26.75	134.3	.533	1.67	3.09
400	5.49	34.02	26.86	125.1	.664	1.08	3.35
500	5.04	34.09	26.97	115.1	.785	0.75	3.53
600	4.66	34.19	27.09	104.1	.896	0.53	3.60
700	4.34	34.27	27.19	95.4	.997	0.46	3.60
800	4.08	34.32	27.26	89.6	1.090	0.42	3.60
1000	3.60	34.39	27.36	80.6	1.262	0.52	3.63

STATION 504 (Interpolated Values at Standard Depths)

CREST: 38°28.5'N 126°40'W March 2, 1949 0312-0435 GCT Wire angle: 0°
Sounding: missing Depth of observation: 1,134 m. Weather: rain Sea:
missing Wind: 225°, force 2.

Depth (m)	T (°C)	S (‰)	σ _t (mg/cm ³)	10 ⁵ σ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μg at/L)
0	10.20	32.63	25.09	287.9	.0000	6.38	0.95
10	10.05	32.66	25.14	283.7	.0287	6.52	0.83
20	9.95	32.66	25.16	282.3	.0571	6.45	0.84
30	9.90	32.67	25.17	281.1	.0854	6.47	0.85
50	9.62	32.75	25.28	271.0	.1409	6.59	0.90
75	9.62	32.78	25.30	269.6	.2088	6.45	0.98
100	9.25	33.02	25.55	246.4	.2737	6.24	1.57
150	8.40	33.49	26.05	199.5	.386	5.66	2.23
200	7.55	33.83	26.44	162.8	.477	2.97	2.42
250	6.89	33.89	26.58	149.9	.556	2.72	2.54
300	6.33	33.94	26.70	139.7	.629	2.36	2.66
400	5.53	34.03	26.86	124.6	.762	1.33	3.07
500	4.96	34.12	27.01	111.8	.881	0.58	3.41
600	4.55	34.15	27.07	105.8	.991	0.41	3.45
700	4.30	34.15	27.10	103.8	1.097	0.33	3.46
800	4.14	34.16	27.13	102.0	1.201	0.32	3.45
1000	3.72	34.30	27.28	88.6	1.393	0.52	3.35

STATION 505 (Interpolated Values at Standard Depths)

CREST: 38°20'N 127°31'W March 2, 1949 1005-1118 GCT Wire angle: 42°
Sounding: missing Depth of observation: 1,085 m. Weather: overcast
Sea: rough Wind: 180°, force 3.

0	10.35	32.68	25.12	285.1	.0000	6.45	0.98
10	10.27	32.70	25.14	284.2	.0286	6.62	0.75
20	10.14	32.66	25.12	285.1	.0572	6.51	0.78
30	10.07	32.67	25.14	283.5	.0857	6.57	0.82
50	9.72	32.74	25.25	273.7	.1417	6.57	0.94
75	9.32	32.86	25.42	259.0	.2087	6.07	1.26
100	8.98	33.21	25.76	226.7	.2698	5.33	1.77
150	8.26	33.77	26.29	176.6	.371	3.37	2.26
200	7.66	33.88	26.47	160.7	.456	3.13	2.46
250	7.10	33.89	26.55	153.0	.535	3.19	2.52
300	6.62	33.91	26.64	145.6	.610	2.51	2.70
400	5.81	33.94	26.76	134.7	.752	1.56	3.15
500	5.11	34.01	26.90	121.9	.881	1.09	3.40
600	4.68	34.13	27.04	108.8	.997	0.64	3.48
700	4.31	34.26	27.19	95.8	1.101	0.37	3.53
800	4.02	34.32	27.26	89.0	1.194	0.33	3.54
1000	3.57	34.38	27.36	81.0	1.366	0.48	3.50

STATION 506 (Interpolated Values at Standard Depths)

CREST: 38°14'N 128°22'W March 2, 1949 1628-1749 GCT Wire angle: 37°
Sounding: missing Depth of observation: 755 m. Weather: slight snow and rain Sea: missing Wind: 270°, force 4.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	10.50	32.75	25.14	284.2	.0000	6.24	0.94
10	10.50	32.75	25.14	284.4	.0285	6.23	0.82
20	10.45	32.74	25.14	283.9	.0571	6.22	0.84
30	10.34	32.74	25.15	283.8	.0856	6.20	0.88
50	9.86	32.74	25.23	275.6	.1418	6.13	1.00
75	9.28	32.75	25.34	266.4	.2099	5.51	1.42
100	8.81	33.42	25.93	209.9	.2698	5.50	1.96
150	7.98	33.68	26.27	179.0	.368	3.63	2.29
200	7.39	33.81	26.45	162.1	.454	3.24	2.45
250	6.91	33.94	26.62	146.7	.531	2.37	2.86
300	6.48	33.99	26.71	138.0	.603	1.74	3.15
400	5.72	34.01	26.83	128.2	.737	1.09	3.43
500	5.19	34.05	26.92	119.7	.862	0.78	3.56
600	4.70	34.12	27.03	109.8	.978	0.58	3.64
700	4.29	34.20	27.15	99.7	1.084	0.43	3.69

STATION 507 (Interpolated Values at Standard Depths)

CREST: 37°50'N 129°03'W March 3, 1949 0005-0125 GCT Wire angle: 21°
Sounding: missing Depth of observation: 1,352 m. Weather: cloudy
Sea: very rough Wind: 250°, force 4.

0	11.63	32.88	25.03	293.7	.0000	6.10	0.61
10	11.63	32.86	25.02	295.3	.0296	6.10	0.66
20	11.68	32.86	25.01	296.4	.0593	6.08	0.72
30	11.65	32.86	25.02	295.9	.0890	6.03	0.73
50	11.61	32.88	25.04	294.4	.1483	5.91	0.64
75	11.24	32.91	25.13	286.4	.2213	5.90	0.74
100	9.41	33.18	25.65	236.8	.2872	5.09	1.16
150	8.14	33.64	26.21	184.6	.393	3.19	1.97
200	7.50	33.83	26.45	162.2	.481	2.63	1.85
250	7.01	33.90	26.58	150.8	.559	2.26	1.79
300	6.53	33.94	26.67	142.3	.663	1.91	1.94
400	5.73	34.00	26.81	129.5	.770	1.04	2.65
500	5.05	34.08	26.96	115.9	.894	0.62	2.84
600	4.53	34.15	27.08	105.5	1.006	0.42	3.00
700	4.22	34.22	27.17	97.7	1.108	0.36	3.14
800	3.99	34.28	27.24	91.5	1.204	0.37	3.22
1000	3.50	34.36	27.35	81.7	1.379	0.57	3.21

STATION 601 (Interpolated Values at Standard Depths)

CREST: 37°15'N 123°14'W March 6, 1949 1008-1059 GCT Wire angle: 4°
Sounding: missing Depth of observation: 1,106 m. Weather: partly cloudy
Sea: moderate Wind: 180° force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ S	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	11.00	33.28	25.46	253.4	.0000	6.34	0.72
10	10.95	33.30	25.48	251.3	.0253	6.02	0.80
20	10.90	33.32	25.51	248.9	.0505	5.75	0.78
30	10.81	33.34	25.54	246.4	.0753	5.51	0.82
50	10.60	33.42	25.64	237.3	.1239	5.93	1.52
75	9.85	33.56	25.87	215.3	.1808	3.56	1.72
100	9.20	33.67	26.07	197.5	.2327	3.13	1.87
150	8.59	33.79	26.26	179.9	.328	2.47	2.24
200	8.17	34.00	26.48	159.2	.413	2.12	2.43
250	7.69	34.01	26.56	152.2	.492	1.86	2.58
300	7.15	34.00	26.63	146.3	.567	1.62	2.70
400	6.68	34.10	26.77	134.0	.708	1.16	2.93
500	6.00	34.17	26.92	121.2	.837	0.71	3.12
600	5.40	34.21	27.02	111.6	.954	0.43	3.29
700	4.90	34.27	27.13	101.9	1.062	0.42	3.42
800	4.50	34.31	27.21	95.2	1.162	0.46	3.48
1000	3.90	34.34	27.29	87.8	1.347	0.59	3.42

STATION 602 (Interpolated Values at Standard Depths)

CREST: ^{37°04.5'N}~~37°04'N~~ 123°58'W March 6, 1949 0455-0552 GCT Wire angle: 15°
Sounding: missing Depth of observation: 1,279 m. Weather: partly cloudy
Sea: moderate Wind: 270° force 1 to 2.

0	10.90	33.01	25.27	271.6	.0000	6.22	0.76
10	10.78	32.92	25.22	276.3	.0275	6.21	0.75
20	10.61	32.96	25.28	271.0	.0550	6.33	0.79
30	10.40	33.14	25.46	254.2	.0813	6.33	0.86
50	9.78	33.23	25.63	238.0	.1308	6.13	1.06
75	9.30	33.31	25.77	225.3	.1891	5.45	1.46
100	8.81	33.47	25.97	206.2	.2433	3.59	1.90
150	8.10	33.80	26.33	172.5	.339	2.61	2.19
200	7.38	33.90	26.52	155.5	.421	2.42	2.33
250	6.88	33.92	26.61	147.3	.497	2.03	2.55
300	6.55	33.94	26.67	142.6	.570	1.59	2.77
400	6.11	34.06	26.82	129.6	.708	0.83	3.09
500	5.52	34.17	26.98	114.9	.831	0.52	3.32
600	5.04	34.23	27.08	105.7	.942	0.37	3.41
700	4.61	34.23	27.13	101.5	1.047	0.35	3.42
800	4.28	34.22	27.16	99.4	1.148	0.37	3.42
1000	3.71	34.24	27.23	93.0	1.343	0.53	3.35

STATION 603 (Interpolated Values at Standard Depths)

CREST: 36°51'N 124°48'W March 5 & 6, 1949 2306-0012 GCT Wire angle: 0°
Sounding: missing Depth of observation: 1,327 m. Weather: cloudy
Sea: rough Wind: 270° force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at 1000)
0	11.31	32.79	25.02	295.0	.0000	6.32	0.56
10	11.28	32.81	25.04	293.1	.0295	6.46	0.56
20	11.14	32.79	25.05	292.5	.0589	6.37	0.59
30	10.97	32.81	25.10	288.3	.0881	6.28	0.64
50	9.88	33.08	25.50	250.6	.1422	6.15	1.10
75	9.40	33.08	25.57	243.9	.2044	5.95	1.18
100	9.05	33.48	25.94	209.2	.2614	3.61	1.87
150	8.24	33.84	26.35	171.2	.357	2.83	1.97
200	7.57	33.86	26.46	160.9	.441	2.51	2.06
250	6.95	33.91	26.59	149.5	.519	2.08	2.28
300	6.42	33.98	26.72	137.9	.591	1.63	2.84
400	5.73	33.96	26.81	129.5	.726	1.00	3.08
500	5.28	34.09	26.94	117.8	.851	0.54	3.29
600	4.88	34.23	27.10	103.6	.963	0.33	3.45
700	4.51	34.28	27.18	96.7	1.064	0.33	3.46
800	4.21	34.30	27.23	92.4	1.159	0.39	3.43
1000	3.71	34.34	27.31	85.7	1.339	0.63	3.33

STATION 604 (Interpolated Values at Standard Depths)

CREST: 36°41.5'N 125°32'W March 5, 1949 1735-1835 GCT Wire angle: 20°
Sounding: missing Depth of observation: 1,238 m. Weather: partly cloudy
Sea: rough Wind: 270° force 4.

0	11.48	-	-	-	.0000	6.14	0.55
10	11.48	32.95	25.12	286.2	.0287	6.05	0.56
20	11.48	32.81	25.01	296.7	.0580	5.92	0.57
30	11.48	32.75	24.96	301.4	.0880	5.91	0.58
50	11.48	32.75	24.96	301.7	.1486	5.02	0.59
75	11.40	32.79	25.00	298.0	.2240	6.11	0.60
100	10.74	32.94	25.24	276.2	.2962	5.73	0.94
150	8.65	33.46	25.99	205.5	.417	3.87	1.85
200	7.73	33.71	26.32	174.5	.513	3.18	2.11
250	7.16	33.73	26.42	165.7	.599	2.86	2.24
300	6.51	33.73	26.51	157.7	.680	2.53	2.42
400	5.51	33.76	26.65	144.8	.833	1.78	2.80
500	5.15	34.01	26.90	122.2	.967	0.91	2.85
600	4.82	34.20	27.08	105.3	1.082	0.49	3.04
700	4.45	34.26	27.18	96.9	1.184	0.42	3.12
800	4.13	34.30	27.24	91.2	1.279	0.43	3.18
1000	3.60	34.33	27.32	85.0	1.458	0.43	3.22

STATION 605 (Interpolated Values at Standard Depths)

CREST: 36°28.5'N 126°19'W March 5, 1949 1120-1237 GCT Wire angle: 28°
Sounding: missing Depth of observation: 1,190 m. Weather: partly cloudy
Sea: very rough Wind: 290°, force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ ζ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	11.40	32.95	25.13	284.7	.0000	5.98	0.63
10	11.38	32.90	25.09	288.2	.0288	6.07	0.46
20	11.38	32.86	25.06	291.3	.1579	6.10	0.50
30	11.39	32.86	25.06	291.8	.0871	6.09	0.53
50	11.39	32.86	25.06	292.0	.1458	5.93	0.58
75	11.15	32.81	25.06	292.3	.2192	5.86	0.64
100	10.70	33.04	25.33	268.0	.2897	5.74	0.83
150	8.88	33.53	26.01	203.5	.408	3.91	1.70
200	8.28	33.77	26.29	177.7	.504	3.20	2.04
250	7.61	33.88	26.47	160.8	.590	2.74	2.25
300	6.88	33.95	26.63	146.2	.667	2.34	2.50
400	5.89	34.04	26.83	128.1	.805	1.54	2.91
500	5.29	34.10	26.95	117.2	.929	0.88	3.16
600	4.79	34.14	27.04	109.2	1.043	0.53	3.30
700	4.39	34.18	27.12	102.5	1.150	0.41	3.37
800	4.09	34.20	27.16	98.6	1.251	0.41	3.40
1000	3.56	34.27	27.27	88.9	1.441	0.64	3.40

STATION 606 (Interpolated Values at Standard Depths)

CREST: 36°17'N 127°06'W March 5, 1949 0535-0650 GCT Wire angle: 33°
Sounding: missing Depth of observation: 1,118 m. Weather: partly cloudy
Sea: very rough Wind: 270°, force 5 to 6.

0	11.50	32.77	24.97	299.6	.0000	6.15	0.70
10	11.50	32.85	25.03	293.9	.0298	5.97	0.59
20	11.50	32.86	25.04	293.4	.0593	6.03	0.55
30	11.51	32.79	24.98	299.1	.0890	6.02	0.53
50	11.50	32.77	24.97	300.5	.1493	5.98	0.58
75	11.41	32.89	25.08	290.8	.2236	6.02	0.73
100	11.14	32.99	25.21	279.3	.2953	5.85	0.87
150	9.59	33.25	25.75	235.4	.425	5.09	1.50
200	8.78	33.73	26.18	188.2	.532	2.96	2.15
250	8.24	33.90	26.39	168.8	.621	2.41	2.40
300	7.79	33.99	26.53	155.9	.703	2.40	2.58
400	6.94	34.09	26.73	138.2	.851	1.60	3.87
500	6.15	34.13	26.87	126.0	.985	0.84	3.13
600	5.43	34.13	26.96	118.0	1.108	0.53	3.42
700	4.90	34.13	27.02	112.4	1.224	0.33	3.58
800	4.48	34.16	27.09	106.1	1.334	0.28	3.59
1000	3.84	34.30	27.27	90.2	1.533	0.44	3.48

STATION 607 (Interpolated Values at Standard Depths)

CREST: 36°04'N 127°55'W March 4 & 5, 1949 2320-0050 GCT Wire angle: 40°
 Sounding: missing Depth of observation: 1,178 m. Weather: squally weather
 Sea: very rough Wind: 270° force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	11.70	32.88	25.02	295.0	.0000	6.17	1.00
10	11.64	32.84	25.00	297.0	.0297	6.14	0.64
20	11.58	32.84	25.01	296.2	.0595	6.05	0.58
30	11.58	32.82	25.00	298.0	.0893	5.92	0.60
50	11.59	32.86	25.02	295.5	.1490	6.06	0.63
75	11.33	32.81	25.03	295.3	.2232	6.14	0.70
100	10.85	32.91	25.20	280.2	.2956	5.91	0.90
150	9.42	33.27	25.72	231.3	.424	4.80	1.59
200	8.80	33.78	26.22	184.4	.529	3.15	2.23
250	8.39	33.96	26.42	166.4	.617	1.60	2.61
300	7.90	33.96	26.49	160.1	.700	1.60	2.71
400	6.99	34.04	26.69	142.7	.852	1.41	2.96
500	6.17	34.13	26.87	126.2	.988	0.94	3.19
600	5.44	34.16	26.98	116.0	1.110	0.50	3.39
700	4.90	34.17	27.05	109.4	1.224	0.31	3.52
800	4.45	34.20	27.12	103.2	1.331	0.32	3.55
1000	3.81	34.25	27.23	93.5	1.530	0.40	3.53

STATION 608 (Interpolated Values at Standard Depths)

CREST: 35°50'N 128°42'W March 4, 1949 1705-1820 GCT Wire angle: 30°
 Sounding: missing Depth of observation: 1,144 m. Weather: partly cloudy
 Sea: very rough Wind: 290° force 5.

0	12.05	32.97	25.03	294.5	.0000	5.92	0.92
10	12.00	32.94	25.01	296.1	.0297	5.87	0.59
20	12.00	32.94	25.01	296.2	.0594	6.24	0.60
30	12.00	32.97	25.03	294.3	.0890	6.12	0.60
50	11.97	33.00	25.06	292.0	.1479	5.96	0.61
75	11.60	32.97	25.11	288.1	.2209	5.90	0.65
100	10.35	33.15	25.47	254.2	.2891	5.39	0.73
150	8.63	33.63	26.12	192.6	.402	3.60	1.88
200	7.98	33.87	26.41	166.0	.492	2.78	2.23
250	7.39	33.95	26.56	152.5	.572	2.48	2.50
300	6.88	33.98	26.66	143.9	.647	2.06	2.74
400	6.00	33.98	26.77	134.2	.787	1.28	3.07
500	5.22	33.99	26.87	124.6	.917	0.82	3.33
600	4.78	34.06	26.98	114.8	1.038	0.58	3.51
700	4.41	34.17	27.11	103.7	1.149	0.39	3.57
800	4.11	34.26	27.20	94.7	1.249	0.31	3.57
1000	3.55	34.33	27.32	85.2	1.431	0.41	3.54

STATION 609 (Interpolated Values at Standard Depths)

CREST: 35°26'N 129°27'W March 4, 1949 1125-1233 GCT Wire angle: 42°
 Sounding: missing Depth of observation: 1,016 m. Weather: cloudy
 Sea: very rough Wind: 250° force 5.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	12.20	33.13	25.12	285.3	.0000	5.98	0.48
10	12.20	32.88	24.93	304.0	.0296	5.98	0.49
20	12.20	32.84	24.90	307.1	.0603	5.97	0.50
30	12.23	32.85	24.90	307.2	.0911	5.94	0.50
50	12.21	32.89	24.93	304.2	.1526	5.97	0.50
75	12.29	33.04	25.04	295.0	.2279	6.05	0.56
100	12.58	33.10	25.03	296.8	.3023	5.86	0.56
150	9.86	33.30	25.67	235.9	.436	4.76	0.99
200	8.42	33.70	26.22	184.8	.542	4.09	1.90
250	7.59	33.86	26.46	162.2	.630	3.71	2.02
300	6.93	33.93	26.61	148.4	.708	3.30	2.08
400	5.91	33.92	26.73	137.4	.852	1.83	2.80
500	5.19	33.93	26.83	128.6	.986	1.14	3.04
600	4.75	33.99	26.93	120.0	1.111	0.72	3.16
700	4.38	34.06	27.02	111.4	1.228	0.42	3.23
800	4.07	34.12	27.10	104.3	1.337	0.42	3.22
1000	3.56	34.24	27.25	91.2	1.535	0.57	3.15

STATION 610 (Interpolated Values at Standard Depths)

CREST: 35°22'N 130°13'W March 4, 1949 0440-0546 GCT Wire angle: 33°
 Sounding: missing Depth of observation: 1,212 m. Weather: rain Sea:
 high Wind: 225° force 4.

0	12.51	33.17	25.09	288.2	.0000	5.98	0.48
10	12.70	33.24	25.11	286.5	.0289	5.72	0.59
20	12.68	33.04	24.96	301.1	.0584	5.77	0.63
30	12.66	33.07	24.99	298.7	.0885	5.84	0.56
50	12.65	33.16	25.06	292.4	.1479	5.79	0.47
75	12.69	33.15	25.04	294.6	.2217	5.82	0.50
100	12.79	33.29	25.13	286.8	.2948	5.75	0.60
150	10.63	33.41	25.62	240.7	.428	5.18	1.00
200	9.08	33.68	26.09	196.7	.538	4.67	1.47
250	8.18	33.85	26.37	171.2	.630	4.19	1.77
300	7.40	33.92	26.53	155.6	.713	3.57	2.10
400	6.10	33.97	26.75	136.1	.860	2.05	2.72
500	5.25	34.01	26.88	123.4	.990	1.08	3.10
600	4.75	34.06	26.98	114.9	1.111	0.61	3.28
700	4.40	34.11	27.06	107.9	1.223	0.38	3.41
800	4.09	34.17	27.14	100.8	1.329	0.34	3.45
1000	3.51	34.28	27.28	87.8	1.519	0.47	3.41

STATION 701 (Interpolated Values at Standard Depths)

CREST: 35°49'N 121°50'W March 6 & 7, 1949 2335-0020 GCT Wire angle:
missing Sounding: missing Depth of observation: 873 m. Weather: cloudy
Sea: moderate Wind: 290° force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	P _{CO₂} -P (μ g at/L)
0	12.00	33.31	25.30	268.6	.0000	6.38	0.71
10	11.88	33.26	25.28	270.3	.0271	6.56	0.70
20	11.73	33.26	25.31	267.8	.0541	6.43	0.70
30	11.60	33.30	25.36	262.9	.0807	6.23	0.74
50	11.12	33.39	25.52	248.2	.1321	5.98	0.89
75	10.78	33.55	25.71	231.3	.1923	5.41	1.17
100	10.44	33.70	25.89	214.5	.2484	4.75	1.42
150	9.29	33.87	26.21	184.6	.349	2.57	2.21
200	8.45	33.91	26.37	170.0	.438	2.54	2.31
250	7.87	34.01	26.54	154.9	.520	2.01	2.58
300	7.40	34.09	26.67	143.1	.595	1.16	2.86
400	6.70	34.09	26.76	134.9	.735	0.74	3.10
500	6.15	34.16	26.89	123.7	.866	0.52	3.29
600	5.65	34.21	27.00	114.9	.986	0.37	3.40
700	5.20	34.24	27.07	107.9	1.099	0.36	3.38
800	4.82	34.27	27.14	102.2	1.205	0.42	3.32
1000	(4.14)	(34.32)	(27.25)	(92.0)	(1.401)	-	-

STATION 702 (Interpolated Values at Standard Depths)

CREST: 35°23.5'N 122°33.5'W March 7, 1949 0500-0555 GCT Wire angle: 18°
Sounding: missing Depth of observation: 1,152 m. Weather: low fog
Sea: rough Wind: 290° force 3.

0	11.85	32.92	25.03	294.5	.0000	6.26	0.62
10	11.62	32.84	25.00	296.7	.0297	6.09	0.58
20	11.49	32.91	25.08	289.5	.0591	6.03	0.58
30	11.37	32.94	25.13	285.5	.0880	6.01	0.61
50	11.05	32.96	25.20	278.9	.1447	5.98	0.69
75	10.52	33.03	25.35	265.4	.2131	5.92	0.87
100	9.76	33.20	25.61	240.8	.2768	5.43	1.44
150	8.50	33.70	26.20	185.4	.384	3.67	2.03
200	8.25	33.90	26.39	167.7	.473	2.46	2.28
250	7.84	34.02	26.55	153.3	.554	1.70	2.60
300	7.30	34.05	26.65	144.5	.629	1.31	2.73
400	6.31	34.06	26.79	132.0	.768	0.95	2.73
500	5.80	34.13	26.91	121.5	.896	0.65	2.93
600	5.37	34.20	27.02	112.1	1.014	0.50	3.15
700	4.84	34.26	27.13	101.9	1.122	0.46	3.31
800	4.40	34.30	27.21	95.0	1.221	0.45	3.40
1000	3.77	34.35	27.31	85.6	1.404	0.66	3.39

STATION 703 (Interpolated Values at Standard Depths)

CREST: 35°04'N 123°20'W March 8, 1949 0449-0600 GCT Wire angle: 23°
Sounding: missing Depth of observation: 1,149 m. Weather: partly cloudy
Sea: moderate Wind: 290° force missing.

Depth (m)	T (°C)	S (‰)	σ _t (mg/cm ³)	105σ	Δ D (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μg at/L)
0	12.50	32.95	24.92	340.2	.0000	6.26	0.52
10	12.47	33.05	25.01	296.5	.0320	5.97	0.53
20	12.39	33.08	25.05	293.0	.0616	5.89	0.54
30	12.21	33.04	25.05	292.8	.0910	6.38	0.54
50	11.08	33.00	25.22	276.5	.1482	6.13	0.69
75	10.63	33.07	25.36	264.4	.2162	5.94	0.84
100	10.55	33.20	25.48	253.7	.2813	5.90	0.95
150	9.53	33.44	25.83	220.4	.401	5.06	1.55
200	8.20	33.88	26.39	168.1	.498	3.45	2.00
250	7.58	33.94	26.52	155.8	.580	2.62	2.26
300	7.01	33.96	26.62	147.3	.656	2.16	2.46
400	6.09	33.98	26.76	135.2	.799	1.27	2.90
500	5.49	34.00	26.85	127.2	.931	0.65	3.23
600	5.00	34.03	26.93	120.0	1.056	0.40	3.42
700	4.65	34.09	27.02	112.3	1.173	0.34	3.46
800	4.34	34.14	27.09	106.1	1.283	0.36	3.47
1000	3.78	34.21	27.20	96.1	1.488	0.50	-

STATION 801 (Interpolated Values at Standard Depths)

HORIZON: 33°50'N 120°40'W March 16, 1949 0222-0340 GCT Wire angle: 17°
Sounding: missing Depth of observation: 1,190 m. Weather: cloudy
Sea: slight Wind: missing, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	105 Σ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	13.69	33.12	24.82	314.1	.0000	6.00	0.43
10	13.25	33.15	24.93	303.7	.0310	6.12	0.39
20	12.78	33.15	25.02	294.9	.0611	6.17	0.42
30	12.36	33.17	25.12	286.3	.0902	6.15	0.47
50	11.50	33.24	25.34	265.8	.1457	5.90	0.67
75	10.46	33.21	25.50	250.8	.2107	5.45	1.10
100	9.58	33.40	25.79	223.5	.2703	3.55	1.71
150	8.72	33.79	26.24	182.0	.372	2.75	2.07
200	8.14	33.94	26.44	163.3	.459	2.29	2.26
250	7.77	33.96	26.54	154.3	.539	1.75	2.50
300	7.33	33.91	26.54	155.4	.617	1.73	2.46
400	6.38	33.83	26.60	149.8	.771	2.41	2.23
500	5.88	34.05	26.84	128.3	.911	0.95	2.86
600	5.43	34.12	26.95	118.9	1.036	0.48	3.07
700	5.00	34.14	27.02	112.4	1.153	0.45	3.17
800	4.61	34.16	27.08	107.6	1.264	0.52	3.23
1000	3.94	34.26	27.23	94.4	1.468	0.68	3.26

STATION 802 (Interpolated Values at Standard Depths)

HORIZON: 33°33'N 121°21'W March 15, 1949 2110-2230 GCT Wire angle: 22°
Sounding: missing Depth of observation: 1,201 m. Weather: cloudy
Sea: slight Wind: missing, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	105 Σ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	14.20	33.37	24.91	305.8	.0000	6.07	0.44
10	13.66	33.33	24.99	298.4	.0303	6.04	0.41
20	13.27	33.29	25.04	293.8	.0601	6.06	0.41
30	12.85	33.28	25.11	281.8	.0890	6.03	0.44
50	12.00	33.28	25.27	272.2	.1446	5.89	0.53
75	11.05	33.29	25.45	255.2	.2109	5.14	1.05
100	10.13	33.39	25.69	232.8	.2723	4.30	1.50
150	8.85	33.93	26.32	173.5	.375	2.89	2.06
200	8.08	34.00	26.50	157.9	.458	2.35	2.35
250	7.56	33.97	26.55	153.3	.536	1.99	2.53
300	7.09	33.96	26.61	147.9	.612	1.72	2.61
400	6.04	33.99	26.77	134.0	.754	1.19	2.87
500	5.73	34.02	26.83	128.9	.887	0.62	3.12
600	5.36	34.09	26.93	120.0	1.013	0.34	3.20
700	4.94	34.22	27.09	106.2	1.127	0.32	3.22
800	4.57	34.35	27.23	93.0	1.227	0.37	3.22
1000	3.96	34.32	27.27	90.0	1.412	0.57	3.25

STATION 803 (Interpolated Values at Standard Depths)

HORIZON: 33°15'N 122°05'W March 15, 1949 1532-1650 GCT Wire angle: 30°
 Sounding: missing Depth of observation: 1,020 m. Weather: cloudy
 Sea: slight Wind: missing, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	13.60	33.13	24.85	311.5	.0000	6.24	0.40
10	12.94	33.15	24.99	297.9	.0306	5.99	0.40
20	12.58	33.13	25.05	292.7	.0602	6.16	0.42
30	12.50	33.14	25.07	291.3	.0896	6.10	0.42
50	12.25	33.18	25.15	283.8	.1474	5.88	0.54
75	11.44	33.47	25.52	248.7	.2143	6.12	0.68
100	10.83	33.42	25.60	241.9	.2760	5.70	0.84
150	9.00	33.62	26.06	198.6	.387	3.42	1.86
200	8.20	33.87	26.38	169.3	.480	2.80	2.13
250	7.52	33.97	26.56	152.8	.561	2.20	2.39
300	6.90	33.96	26.63	146.0	.636	1.66	2.62
400	6.04	34.00	26.78	132.8	.776	1.41	2.76
500	5.54	34.10	26.92	120.6	.904	0.88	3.04
600	5.11	34.18	27.03	110.3	1.021	0.49	3.26
700	4.73	34.24	27.12	102.6	1.128	0.43	3.30
800	4.39	34.28	27.20	96.2	1.229	0.47	3.29
1000	3.88	34.33	27.29	88.2	1.415	0.64	3.23

STATION 804 (Interpolated Values at Standard Depths)

HORIZON: 32°57'N 122°48'W March 15, 1949 0848-1030 GCT Wire angle: 9°
 Sounding: missing Depth of observation: 809 m. Weather: overcast
 Sea: slight Wind 225°, force 2.

0	13.88	33.13	24.79	317.2	.0000	6.09	0.44
10	13.47	33.12	24.87	309.8	.0315	6.15	0.48
20	13.23	33.18	24.96	301.5	.0622	6.17	0.47
30	13.05	33.18	24.99	298.3	.0923	6.21	0.49
50	12.40	33.16	25.10	288.5	.1512	6.19	0.57
75	11.28	33.20	25.35	265.3	.2209	5.97	0.78
100	10.37	33.16	25.48	253.2	.2861	5.63	1.18
150	8.93	33.74	26.16	189.1	.397	3.85	1.75
200	8.44	33.98	26.42	164.9	.486	2.72	2.12
250	7.95	34.05	26.56	153.1	.567	1.90	2.47
300	7.40	34.07	26.65	144.5	.642	1.51	2.64
400	6.45	34.04	26.75	135.7	.783	1.05	2.87
500	5.81	34.14	26.92	120.8	.912	0.64	3.14
600	5.28	34.24	27.07	107.7	1.027	0.35	3.30
700	4.86	34.31	27.17	98.5	1.132	0.33	3.32
800	4.46	34.36	27.25	91.1	1.227	0.37	3.32
1000	(3.86)	(34.44)	(27.38)	(80.0)	(1.400)	-	-

STATION 805 (Interpolated Values at Standard Depths)

HORIZON: 32°40'N 123°30'W March 15, 1949 0130-0252 GCT Wire angle: 36°
Sounding: missing Depth of observation: 593 m. Weather: overcast
Sea: moderate Wind: 200°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	13.91	33.08	24.74	321.4	.0000	6.12	0.41
10	13.70	33.19	24.87	309.4	.0317	5.93	0.40
20	13.35	33.15	24.91	305.6	.0625	6.13	0.40
30	13.16	33.14	24.94	303.3	.0931	6.18	0.41
50	12.36	33.02	25.00	297.6	.1535	6.17	0.58
75	10.71	33.22	25.46	254.6	.2229	5.34	0.98
100	9.94	33.25	25.62	239.9	.2851	4.86	1.28
150	8.62	33.64	26.13	192.4	.394	3.38	1.92
200	8.02	33.84	26.39	168.5	.485	3.11	2.00
250	7.44	33.92	26.53	155.0	.566	2.58	2.16
300	6.76	33.96	26.66	143.7	.642	1.95	2.40
400	5.69	34.02	26.85	126.5	.778	1.25	2.77
500	4.86	-	-	-	-	-	-
600	4.11	-	-	-	-	-	-

STATION 806 (Interpolated Values at Standard Depths)

HORIZON: 32°22'N 124°13'W March 14, 1949 2020-2104 GCT Wire angle: 12°
Sounding: missing Depth of observation: 1,110 m. Weather: overcast
Sea: moderate Wind: 110°, force 3.

0	13.93	33.17	24.81	315.3	.0000	6.15	0.36
10	13.14	33.15	24.95	301.7	.0310	6.17	0.40
20	12.90	33.14	24.99	298.2	.0611	6.20	0.40
30	12.79	33.13	25.01	297.0	.0910	6.20	0.40
50	12.70	33.13	25.03	295.7	.1505	6.19	0.42
75	11.61	33.06	25.18	281.8	.2231	6.26	0.59
100	10.86	33.12	25.36	264.8	.2919	5.70	0.84
150	9.15	33.41	25.87	216.8	.413	4.32	1.62
200	8.32	33.77	26.28	178.5	.513	3.29	1.98
250	7.57	33.95	26.53	154.8	.596	1.95	2.45
300	7.02	34.00	26.65	144.2	.672	1.54	2.61
400	6.28	33.96	26.72	139.0	.814	1.55	2.64
500	5.66	34.00	26.82	131.2	.951	1.11	2.84
600	5.11	34.08	26.96	117.4	1.076	0.62	3.06
700	4.61	34.21	27.12	102.9	1.187	0.34	3.17
800	4.19	34.22	27.19	98.0	1.289	0.50	3.12
1000	3.45	34.13	27.25	90.7	1.480	1.05	2.90

STATION 807 (Interpolated Values at Standard Depths)

HORIZON: 32°05'N 124°55'W March 14, 1949 1307-1547 GCT Wire angle: 30°
 Sounding: missing Depth of observation: 711 m. Weather: cloudy
 Sea: slight Wind: 110°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO _L -P (% at/L)
0	13.71	33.35	24.99	297.5	.0000	5.85	0.36
10	13.70	33.22	24.90	307.3	.0304	5.82	0.34
20	13.69	33.24	24.91	305.7	.0611	5.80	0.35
30	13.60	33.21	24.91	306.5	.0919	5.78	0.36
50	13.49	33.20	24.92	305.7	.1534	5.82	0.37
75	13.43	33.14	24.89	309.7	.2308	5.67	0.38
100	13.54	33.30	24.99	300.4	.3075	5.52	0.38
150	12.18	33.16	25.15	285.7	.455	5.25	0.66
200	9.72	33.34	25.72	232.3	.585	4.14	1.38
250	8.60	33.72	26.21	186.7	.691	2.42	2.13
300	8.04	34.00	26.50	159.3	.778	1.72	2.39
400	6.93	33.98	26.65	145.8	.932	1.11	2.67
500	6.07	33.96	26.74	137.8	1.075	0.79	2.85
600	5.36	34.05	26.90	123.0	1.207	0.64	3.00
700	4.83	34.18	27.06	107.0	1.326	0.56	3.14
800	(4.44)	(34.21)	(27.13)	(102.0)	(1.432)	(0.51)	(3.26)
1000	(3.90)	(34.16)	(27.15)	(101.3)	(1.638)	-	-

STATION 808 (Interpolated Values at Standard Depths)

HORIZON: 31°47'N 125°38'W March 14, 1949 0549-0718 GCT Wire angle: 10°
 Sounding: missing Depth of observation: 1,234 m. Weather: cloudy
 Sea: slight Wind: 225°, force 3.

0	13.97	33.22	24.84	312.3	.0000	5.84	0.42
10	13.88	33.15	24.80	316.1	.0316	5.79	0.40
20	13.59	33.15	24.86	310.3	.0630	5.77	0.40
30	13.43	33.23	24.96	301.5	.0937	5.79	0.39
50	13.36	33.22	24.96	301.8	.1543	5.86	0.38
75	13.36	33.37	25.08	291.1	.2289	5.92	0.50
100	13.20	33.24	25.01	298.5	.3030	5.91	0.50
150	10.28	33.18	25.51	251.3	.4414	5.45	0.83
200	9.93	33.82	26.07	199.0	.5548	3.20	2.13
250	9.59	34.04	26.29	179.3	.6500	1.92	2.40
300	8.56	34.12	26.52	157.9	.7350	1.76	2.52
400	7.19	34.20	26.79	133.2	.8817	1.25	2.79
500	6.26	34.24	26.95	118.8	1.005	0.73	3.01
600	5.51	34.25	27.04	110.2	1.118	0.53	3.15
700	4.92	34.24	27.11	104.4	1.226	0.45	3.26
800	4.47	34.22	27.14	101.6	1.330	(0.40)	(3.37)
1000	3.84	(34.17)	(27.16)	(99.8)	(1.534)	-	-

STATION 901 (Interpolated Values at Standard Depths)

N. B. SCOFIELD 32°40'N 118°10'W February 28, 1949 2155-2345 GCT Wire
angle: 10° Sounding: missing Depth of observation: 1,244 m. Weather:
cloudy Sea: moderate Wind: calm, force 0.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	14.37	33.55	25.01	295.9	.0000	-
10	14.21	33.55	25.04	293.2	.0296	-
20	14.19	33.54	25.04	293.4	.0590	-
30	14.13	33.52	25.04	294.2	.0885	-
50	13.69	33.49	25.11	287.8	.1470	-
75	12.08	33.37	25.33	267.5	.2168	-
100	10.79	33.45	25.63	239.2	.2806	-
150	9.79	33.70	25.99	205.2	.392	-
200	9.00	34.09	26.43	165.0	.486	-
250	8.36	34.10	26.53	155.4	.566	-
300	7.80	34.09	26.61	148.7	.643	-
400	6.73	34.05	26.73	138.4	.788	-
500	6.57	34.21	26.88	125.6	.921	-
600	6.34	34.31	26.98	116.7	1.043	-
700	5.61	34.37	27.13	103.8	1.154	-
800	5.04	34.41	27.22	094.5	1.254	-
1000	4.25	34.44	27.34	084.5	1.435	-

STATION 902 (Interpolated Values at Standard Depths)

N. B. SCOFIELD 32°21'N 118°53'W March 1, 1949 0625-0743 GCT Wire
angle: 5° Sounding: missing Depth of observation: 582 m. Weather:
cloudless Sea: slight Wind: 270°, force 2.

0	13.65	33.42	25.06	291.4	.0000	5.49
10	13.63	33.49	25.12	285.9	.0290	5.57
20	13.57	33.49	25.13	284.9	.0576	5.61
30	13.49	33.50	25.15	283.2	.0862	5.62
50	13.49	33.60	25.23	276.2	.1424	5.61
75	13.51	33.50	25.15	284.5	.2129	5.76
100	11.94	33.48	25.44	257.2	.2810	4.82
150	9.94	33.76	26.02	203.4	.397	2.74
200	8.77	33.96	26.36	171.1	.491	2.22
250	7.75	34.09	26.62	147.1	.571	2.17
300	7.18	34.15	26.75	135.5	.643	2.02
400	6.48	-	-	-	-	0.86
500	6.06	-	-	-	-	0.47

STATION 903 (Interpolated Values at Standard Depths)

N. B. SCOFIELD 32°03'N 119°31'W March 1, 1949 1244-1427 GCT Wire
angle: 5° Sounding: missing Depth of observation: 1,263 m. Weather:
overcast Sea: rough Wind: 270°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	13.21	33.49	25.20	277.9	.0000	5.94
10	13.21	33.49	25.20	278.1	.0279	5.95
20	13.20	33.25	25.02	295.8	.0567	5.96
30	13.19	33.25	25.02	295.8	.0864	5.96
50	12.16	33.60	25.49	251.1	.1414	5.95
75	10.87	33.62	25.75	227.8	.2016	3.77
100	10.17	33.62	25.87	216.5	.2575	3.42
150	9.59	33.85	26.15	190.9	.360	2.62
200	8.62	33.95	26.38	169.6	.451	2.21
250	7.80	34.05	26.58	150.8	.531	1.84
300	7.19	34.13	26.73	137.2	.604	1.45
400	6.48	34.09	26.79	132.0	.740	0.82
500	6.08	34.17	26.91	122.1	.868	0.83
600	5.69	34.28	27.05	109.9	.985	0.92
700	5.20	34.34	27.15	100.4	1.091	0.85
800	4.75	34.37	27.23	093.8	1.189	0.58
1000	4.06	34.48	27.39	079.2	1.364	0.48

STATION 904 (Interpolated Values at Standard Depths)

N. B. SCOFIELD 31°42.5'N 120°16'W March 1, 1949 1920-2102 GCT Wire
angle: 30° Sounding: missing Depth of observation: 1,105 m. Weather:
overcast Sea: moderate Wind: 270°, force 1.

0	13.65	33.51	25.13	284.7	.0000	5.53
10	13.66	33.47	25.10	288.1	.0288	5.53
20	13.67	33.42	25.05	292.2	.0579	5.61
30	13.70	33.42	25.05	293.1	.0873	5.61
50	13.75	33.44	25.05	292.9	.1462	5.54
75	13.32	33.35	25.07	291.9	.2197	5.53
100	11.00	33.30	25.47	254.1	.2884	5.55
150	9.50	33.46	25.85	218.5	.407	3.08
200	8.60	33.84	26.29	177.3	.507	2.56
250	7.93	33.94	26.47	161.0	.592	2.44
300	7.20	34.01	26.63	146.1	.670	2.11
400	6.34	34.14	26.85	126.5	.807	0.99
500	6.23	34.29	26.98	115.2	.929	0.39
600	5.71	34.38	27.12	103.0	1.039	0.26
700	5.16	34.43	27.23	093.3	1.138	0.33
800	4.70	34.45	27.29	087.3	1.229	0.42
1000	3.97	34.43	27.36	081.9	1.400	0.59

STATION 905 (Interpolated Values at Standard Depths)

N. B. SCOFIELD 31°26'N 120°53'W March 2, 1949 0148-0320 GCT Wire
angle: 8° Sounding: missing Depth of observation: 1,235 m. Weather:
overcast Sea: moderate Wind: 170°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	13.61	33.40	25.05	291.9	.0000	6.01
10	13.60	33.33	25.00	297.2	.0296	5.98
20	13.59	33.34	25.01	296.3	.0594	5.99
30	13.53	33.36	25.04	294.2	.0890	6.00
50	13.39	33.39	25.09	289.5	.1477	5.98
75	12.97	33.27	25.08	291.2	.2207	5.98
100	12.15	33.28	25.25	275.5	.2920	5.81
150	9.16	33.63	26.04	200.6	.412	3.36
200	8.47	33.87	26.34	173.1	.506	3.06
250	7.72	33.88	26.46	162.3	.590	2.58
300	7.18	33.87	26.53	156.2	.671	2.12
400	6.37	34.06	26.78	132.8	.816	1.26
500	5.87	34.20	26.96	117.1	.942	0.66
600	5.42	34.31	27.10	104.6	1.054	0.39
700	5.03	34.39	27.21	094.8	1.155	0.39
800	4.65	34.46	27.31	086.0	1.246	0.43
1000	3.99	34.55	27.45	073.3	1.407	0.63

STATION 906 (Interpolated Values at Standard Depths)

N. B. SCOFIELD 31°07'N 121°34'W March 2, 1949 0812-1005 GCT Wire
angle: 20° Sounding: missing Depth of observation: 1,168 m. Weather:
low fog Sea: rough Wind: 170°, force 4.

0	13.33	33.44	25.14	283.6	.0000	5.54
10	13.32	33.28	25.02	295.4	.0291	5.67
20	13.08	33.22	25.02	295.5	.0587	5.63
30	12.92	33.20	25.04	294.0	.0883	5.64
50	12.77	33.19	25.06	292.4	.1472	5.67
75	12.62	33.25	25.13	285.9	.2199	5.47
100	12.47	33.42	25.29	271.3	.2900	5.48
150	9.48	33.65	26.01	204.0	.410	3.77
200	8.48	33.94	26.39	168.3	.503	2.58
250	7.74	34.02	26.56	152.2	.584	2.11
300	7.21	34.04	26.66	144.1	.659	1.67
400	6.40	34.05	26.77	133.9	.799	0.93
500	5.87	34.11	26.89	123.8	.929	0.51
600	5.35	34.21	27.03	111.0	1.047	0.36
700	4.90	34.33	27.18	097.4	1.152	0.36
800	4.52	34.45	27.32	085.1	1.245	0.40
1000	3.88	34.54	27.45	072.8	1.404	0.56

STATION 907 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 30°50.5'N 122°11'W March 2, 1949 1530-1715 GCT Wire angle: 15° Sounding: missing: Depth of observation: 1,207 m. Weather: partly cloudy Sea: moderate Wind: 180°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	13.89	33.42	25.01	296.1	.0000	5.85
10	13.91	33.51	25.07	290.2	.0294	5.86
20	13.91	33.45	25.03	294.7	.0588	5.79
30	13.81	33.40	25.01	296.7	.0885	5.81
50	13.43	33.34	25.04	294.0	.1478	5.98
75	13.07	33.31	25.09	290.1	.2213	5.86
100	11.82	33.32	25.34	266.6	.2913	5.51
150	9.56	33.51	25.88	215.7	.413	4.13
200	8.59	33.76	26.23	183.1	.513	2.88
250	7.80	33.84	26.41	166.3	.601	2.28
300	7.20	33.86	26.51	157.3	.683	1.80
400	6.42	33.97	26.71	140.1	.832	0.86
500	5.91	34.08	26.86	126.5	.967	0.50
600	5.43	34.14	26.97	117.4	1.090	0.38
700	5.03	34.12	27.00	114.7	1.207	0.35
800	4.66	34.11	27.03	112.0	1.322	0.38
1000	4.00	34.20	27.17	99.3	1.535	0.59

STATION 908 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 30°30'N 122°51'W March 2 & 3, 1949 2255-0055 GCT Wire angle: 10° Sounding: missing Depth of observation: 1,238 m. Weather: cloudless Sea: moderate Wind: 230°, force 3.

0	14.38	33.24	24.77	318.8	.0000	5.72
10	14.23	33.42	24.94	302.9	.0312	5.73
20	14.22	33.42	24.94	302.9	.0616	5.73
30	14.13	33.37	24.92	305.2	.0922	5.75
50	12.63	33.24	25.12	286.3	.1516	5.88
75	12.10	33.26	25.24	275.7	.2222	5.57
100	10.23	33.30	25.61	241.0	.2872	4.53
150	8.84	33.78	26.21	184.6	.394	3.13
200	8.14	33.78	26.32	175.2	.485	2.85
250	7.54	33.89	26.49	159.0	.569	2.24
300	7.08	34.02	26.66	143.8	.645	1.65
400	6.26	34.13	26.85	126.2	.782	0.88
500	5.78	34.14	26.92	120.4	.906	0.47
600	5.32	34.14	26.98	115.9	1.025	0.34
700	4.82	34.23	27.11	104.0	1.136	0.37
800	4.38	34.37	27.27	89.4	1.234	0.49
1000	3.71	34.50	27.44	73.8	1.399	0.69

STATION 909 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 30°11'N 123°37'W March 3, 1949 0530-0629 GCT Wire angle: 10° Sounding: missing Depth of observation: 1,227 m. Weather: partly cloudy Sea: slight Wind: 140°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0	13.42	33.28	25.00	296.9	.0000	5.87
10	12.98	33.28	25.09	289.0	.0294	6.10
20	12.51	33.22	25.13	284.8	.0582	6.08
30	12.32	33.21	25.16	282.4	.0867	6.08
50	12.23	33.26	25.22	277.5	.1430	6.05
75	12.11	33.28	25.25	274.4	.2123	5.92
100	11.73	33.31	25.35	266.0	.2803	5.82
150	9.30	33.49	25.91	213.2	.401	4.27
200	8.52	33.96	26.40	167.6	.497	2.94
250	7.81	34.07	26.59	149.5	.577	2.04
300	7.22	34.11	26.71	139.0	.649	1.45
400	6.42	34.14	26.84	127.6	.784	1.26
500	5.90	34.18	26.94	118.5	.908	0.72
600	5.49	34.27	27.06	108.3	1.022	0.33
700	4.91	34.36	27.20	95.5	1.125	0.37
800	4.48	34.44	27.31	85.7	1.217	0.45
1000	3.80	34.49	27.42	75.7	1.380	0.67

STATION 910 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°45'N 124°16.5'W March 3, 1949 1140-1335 GCT Wire angle: 18° Sounding: missing Depth of observation: 862 m. Weather: partly cloudy Sea: moderate Wind: 180°, force 3.

0	13.92	33.31	24.92	304.7	.0000	5.64
10	14.01	33.31	24.90	306.7	.0307	5.73
20	13.85	33.34	24.96	301.5	.0612	5.55
30	13.71	33.35	24.99	298.4	.0913	5.49
50	13.41	33.30	25.02	296.5	.1511	5.62
75	13.38	33.28	25.01	298.0	.2258	5.62
100	13.40	33.19	24.94	305.7	.3018	5.45
150	12.69	33.31	25.17	284.4	.450	5.30
200	9.96	33.48	25.80	225.2	.579	4.25
250	8.82	33.96	26.36	172.4	.679	2.87
300	8.03	34.12	26.60	150.0	.760	2.05
400	6.98	34.13	26.76	135.8	.904	1.09
500	6.18	34.18	26.90	122.7	1.034	0.59
600	5.53	34.23	27.02	111.9	1.153	0.43
700	5.00	34.28	27.13	102.5	1.261	0.40
800	4.50	34.33	27.22	93.8	1.360	0.43
1000	(3.78)	(34.44)	(27.38)	(79.1)	(1.533)	-

STATION 911 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°32.5'N 124°57'W March 3, 1949 1819-1956 GCT
 Wire angle: 10° Sounding: missing Depth of observation: 1,207 m.
 Weather: overcast Sea: moderate Wind: 210°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m)	O ₂ (ml/L)
0	14.43	33.51	24.97	300.2	.0000	5.56
10	14.43	33.65	25.07	290.2	.0296	5.66
20	14.42	33.52	24.98	299.5	.0592	5.68
30	14.41	33.51	24.97	300.4	.0894	5.71
50	14.32	33.51	24.99	299.0	.1496	5.79
75	13.95	33.35	24.94	304.2	.2254	5.62
100	13.72	33.48	25.09	290.8	.3003	5.69
150	13.28	33.49	25.19	282.7	.445	5.26
200	9.78	33.54	25.87	217.9	.571	4.66
250	8.61	33.75	26.22	185.2	.672	4.15
300	7.82	34.03	26.56	153.4	.757	3.63
400	6.72	34.22	26.86	125.7	.898	1.36
500	5.85	34.23	26.99	114.6	1.019	0.65
600	5.21	34.22	27.06	108.6	1.132	0.50
700	4.73	34.31	27.18	97.0	1.236	0.47
800	4.39	34.42	27.30	85.9	1.328	0.49
1000	3.80	34.53	27.45	72.7	1.489	0.65

STATION 1001 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 31°22'N 116°55.5'W March 7, 1949 0218-0358 GCT
 Wire angle: 30° Sounding: missing Depth of observation: 750 m.
 Weather: partly cloudy Sea: rough Wind: 340°, force 6.

0	13.78	33.40	25.02	295.4	.0000	5.73
10	13.87	33.45	25.03	293.8	.0296	5.98
20	13.90	33.52	25.09	289.1	.0588	6.00
30	13.70	33.51	25.12	286.4	.0877	5.92
50	12.22	33.42	25.34	265.8	.1432	5.20
75	10.71	33.41	25.59	242.1	.2071	3.90
100	9.82	33.63	25.93	210.0	.2639	3.12
150	9.11	33.81	26.19	186.7	.3637	2.52
200	8.67	33.97	26.38	168.9	.453	1.90
250	8.37	34.06	26.50	158.5	.536	1.31
300	8.23	34.08	26.54	155.9	.615	0.91
400	7.58	34.10	26.65	146.5	.767	0.55
500	6.65	34.09	26.77	135.6	.910	0.39
600	5.96	-	-	-	-	0.37
700	5.41	-	-	-	-	0.35

STATION 1002 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 31°00.5'N 117°30'W March 6, 1949 2019-missing GCT
 Wire angle: 12° Sounding: missing Depth of observation: 1,232 m.
 Weather: partly cloudy Sea: rough Wind: 350°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	14.70	33.53	24.92	304.2	.0000	5.57
10	14.60	33.62	25.02	295.7	.0301	5.62
20	14.51	33.60	25.02	295.8	.0598	5.67
30	14.38	33.56	25.02	296.3	.0895	5.68
50	13.84	33.51	25.09	289.8	.1484	5.63
75	13.10	33.58	25.29	270.9	.2189	5.37
100	12.30	33.80	25.62	240.2	.2832	4.88
150	10.28	33.68	25.89	214.9	.398	3.07
200	8.82	33.87	26.28	178.5	.497	2.32
250	8.29	34.00	26.47	161.4	.582	1.92
300	7.98	34.08	26.58	152.0	.661	1.54
400	7.30	34.13	26.71	140.2	.809	0.80
500	6.43	34.14	26.84	128.9	.944	0.50
600	5.58	34.14	26.95	119.3	1.070	0.43
700	5.13	34.19	27.04	110.9	1.186	0.42
800	4.77	34.26	27.14	102.2	1.293	0.47
1000	4.12	34.35	27.28	89.6	1.487	0.62

STATION 1003 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 30°40.5'N 118°50.5'W March 6, 1949 1339-1530 GCT
 Wire angle: 22° Sounding: missing Depth of observation: 1,152 m.
 Weather: cloudy Sea: moderate Wind 360°, force 3.

0	14.54	33.46	24.90	306.2	.0000	5.80
10	14.52	33.62	25.03	294.3	.0302	5.68
20	14.47	33.63	25.05	292.7	.0596	5.80
30	14.37	33.66	25.09	288.7	.0888	5.85
50	14.00	33.71	25.21	278.2	.1458	5.83
75	13.18	33.54	25.25	275.4	.2154	5.86
100	11.11	33.45	25.57	244.9	.2808	4.97
150	9.13	33.87	26.23	182.4	.388	2.92
200	8.66	33.85	26.29	177.5	.479	2.25
250	8.20	34.07	26.53	155.2	.563	1.66
300	7.62	34.20	26.72	138.1	.637	1.30
400	6.68	34.24	26.89	123.6	.769	0.87
500	6.07	34.28	27.00	113.8	.888	0.52
600	5.53	34.33	27.10	104.5	.998	0.40
700	5.11	34.35	27.17	98.8	1.101	0.40
800	4.70	34.37	27.23	93.3	1.198	0.42
1000	4.07	34.48	27.39	79.5	1.373	0.61

STATION 1004 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 30°15'N 118°50'W March 6, 1949 0726-0855 GCT
Wire angle: 7° Sounding: missing Depth of observation: 1,253 m.
Weather: cloudy Sea: moderate Wind: 350°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	13.81	33.48	25.07	290.0	.0000	5.70
10	13.81	33.46	25.06	291.8	.0292	5.78
20	13.40	33.47	25.15	283.1	.0581	5.84
30	13.18	33.49	25.21	278.0	.0862	5.85
50	13.03	33.51	25.25	274.1	.1417	5.69
75	10.87	33.35	25.53	247.7	.2073	4.19
100	9.98	33.56	25.85	217.7	.2659	3.48
150	8.97	33.78	26.19	186.6	.368	2.93
200	8.17	33.95	26.45	162.9	.456	2.65
250	7.93	34.07	26.57	151.3	.535	1.88
300	7.79	34.14	26.65	144.7	.609	1.13
400	6.46	34.06	26.77	133.9	.750	0.98
500	5.70	34.09	26.89	123.0	.879	0.72
600	5.09	34.15	27.01	112.4	.998	0.40
700	4.78	34.25	27.13	102.0	1.106	0.38
800	4.48	34.37	27.26	90.6	1.204	0.41
1000	3.93	34.50	27.42	76.5	1.373	0.63

STATION 1005 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°52'N 119°30'W March 6, 1949 0055-0230 GCT
Wire angle: missing Sounding: missing Depth of observation: 919 m.
Weather: cloudy Sea: slight Wind: 320°, force 2.

0	14.20	33.49	25.00	296.9	.0000	5.93
10	14.21	33.49	25.00	297.3	.0298	5.97
20	14.09	33.47	25.01	296.8	.0596	5.95
30	14.01	33.46	25.02	296.2	.0894	5.92
50	13.90	33.48	25.05	293.1	.1486	5.92
75	13.72	33.46	25.07	291.7	.2222	5.83
100	13.02	33.34	25.12	287.4	.2950	5.67
150	9.86	33.47	25.80	223.4	.424	4.75
200	9.25	33.95	26.28	179.3	.525	2.73
250	8.69	34.05	26.44	164.1	.612	2.13
300	8.06	34.10	26.58	151.8	.691	1.72
400	6.89	34.11	26.76	136.0	.836	1.13
500	6.19	34.18	26.90	122.8	.967	0.62
600	5.70	34.27	27.04	110.9	1.085	0.36
700	5.19	34.33	27.14	101.2	1.192	0.33
800	4.70	34.37	27.23	93.4	1.290	0.39
1000	(3.78)	(34.41)	(27.36)	(81.3)	(1.467)	-

STATION 1006 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°29'N 120°13'W March 5, 1949 1817-1943 GCT Wire angle: 14° Sounding: missing Depth of observation: 1,227 m. Weather: overcast Sea: slight Wind: 320°, force 1.

Depth (m)	T (°C)	S (‰)	σ _t (mg/cm ³)	10 ⁵ σ	ΔD (dyn.m.)	O ₂ (ml/L)
0	14.96	33.64	24.95	301.4	.0000	5.67
10	14.91	33.64	24.96	300.6	.0302	5.66
20	14.84	33.63	24.97	300.3	.0604	5.68
30	14.80	33.61	24.96	301.1	.0906	5.69
50	14.77	33.58	24.95	303.2	.1513	5.69
75	14.67	33.66	25.03	296.0	.2266	5.65
100	14.58	33.58	24.99	300.6	.3017	5.57
150	11.73	33.51	25.50	252.4	.441	5.02
200	9.31	33.76	26.12	194.3	.553	4.03
250	8.67	34.02	26.42	166.0	.644	2.68
300	8.20	34.16	26.61	149.5	.724	1.78
400	7.21	34.20	26.78	133.9	.866	0.98
500	6.29	34.25	26.95	118.9	.994	0.52
600	5.68	34.33	27.09	106.3	1.107	0.32
700	5.16	34.36	27.17	98.5	1.211	0.32
800	4.73	34.39	27.25	92.1	1.307	0.39
1000	4.02	34.46	27.38	80.4	1.482	0.60

STATION 1007 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°07'N 120°48'W March 5, 1949 1150-1335 GCT Wire angle: 12° Sounding: missing Depth of observation: 896 m. Weather: partly cloudy Sea: slight Wind: 230°, force 2.

0	14.75	33.62	24.98	298.6	.0000	5.43
10	14.79	33.62	24.97	299.5	.0300	5.43
20	14.70	33.64	25.01	296.5	.0599	5.46
30	14.62	33.66	25.05	293.4	.0896	5.51
50	14.57	33.68	25.07	291.8	.1484	5.53
75	14.39	33.57	25.02	296.6	.2223	5.38
100	14.28	33.52	25.01	298.7	.2972	5.40
150	12.40	33.37	25.27	275.0	.442	5.15
200	9.52	33.53	25.90	214.7	.565	4.08
250	8.40	33.72	26.24	183.7	.665	3.30
300	7.80	33.89	26.45	163.4	.753	2.53
400	7.09	34.10	26.72	139.2	.905	1.12
500	6.36	34.18	26.88	124.7	1.038	0.52
600	5.70	34.20	26.98	116.2	1.160	0.41
700	5.16	34.24	27.08	107.4	1.273	0.37
800	4.66	34.30	27.19	97.6	1.376	0.43
1000	(3.80)	(34.39)	(27.34)	(83.0)	(1.559)	-

STATION 1008 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 28°51'N 121°19'W March 5, 1949 0615-0744 GCT Wire angle: 10° Sounding: missing Depth of observation: 1,219 m. Weather: partly cloudy Sea: slight Wind: 230°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0	14.58	33.54	24.96	300.9	.0000	5.66
10	14.84	33.46	24.84	312.4	.0308	5.74
20	15.01	33.62	24.93	304.5	.0618	5.70
30	15.02	33.64	24.94	303.5	.0923	5.65
50	14.89	33.64	24.97	301.2	.1531	5.65
75	14.80	33.64	24.99	300.1	.2286	5.65
100	14.68	33.66	25.03	296.7	.3037	5.68
150	13.30	33.39	25.11	290.5	.452	5.38
200	10.35	33.58	25.81	224.2	.581	5.22
250	8.90	33.84	26.25	182.9	.684	4.32
300	7.99	33.96	26.48	161.2	.770	3.22
400	6.60	34.05	26.75	136.6	.920	1.59
500	5.84	34.15	26.92	120.4	1.050	0.82
600	5.25	34.23	27.06	108.3	1.165	0.50
700	4.88	34.32	27.17	98.5	1.270	0.43
800	4.57	34.38	27.25	91.4	1.366	0.42
1000	3.95	34.46	27.38	79.7	1.539	0.61

STATION 1009 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 28°32'N 121°50.5'W March 4 & 5, 1949 2357-0204 GCT Wire angle: 10° Sounding: missing Depth of observation: 1,192 m. Weather: overcast Sea: slight Wind: 230°, force 1.

0	15.67	33.77	24.90	306.8	.0000	5.52
10	15.61	33.82	24.95	302.0	.0306	5.40
20	15.32	33.77	24.97	300.1	.0608	5.47
30	15.18	33.75	24.99	298.7	.0909	5.52
50	15.09	33.77	25.03	295.8	.1506	5.58
75	14.68	33.64	25.01	297.6	.2252	5.53
100	14.41	33.60	25.04	295.7	.2999	5.56
150	13.53	33.49	25.14	287.6	.447	5.40
200	10.02	33.57	25.85	219.8	.574	5.08
250	8.78	33.81	26.24	183.1	.676	3.65
300	7.90	33.99	26.52	157.6	.762	2.62
400	6.68	34.09	26.77	134.6	.909	1.52
500	6.05	34.18	26.92	120.9	1.038	0.78
600	5.55	34.25	27.04	110.7	1.155	0.50
700	5.10	34.32	27.14	101.3	1.262	0.44
800	4.67	34.37	27.24	92.9	1.360	0.45
1000	3.97	34.47	27.39	79.0	1.534	0.63

STATION 1010 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 28°17'N 122°23'W March 4, 1949 1848-2009 GCT Wire angle: 5° Sounding: missing Depth of observation: 1,245 m. Weather: cloudy Sea: slight Wind: 230°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	15.32	33.75	24.96	300.9	.0000	5.86
10	15.38	33.78	24.97	300.1	.0302	5.68
20	15.37	33.81	24.99	298.0	.0602	5.66
30	15.34	33.82	25.01	297.0	.0901	5.66
50	15.34	33.80	24.99	299.1	.1500	5.69
75	15.20	33.77	25.00	298.8	.2251	5.67
100	14.56	33.60	25.01	298.8	.3003	5.68
150	13.20	33.62	25.30	271.8	.444	5.22
200	10.12	33.62	25.87	217.7	.567	4.28
250	8.78	33.78	26.22	185.3	.669	3.57
300	7.87	34.05	26.57	152.7	.754	2.83
400	6.71	34.13	26.79	132.8	.898	1.40
500	6.12	34.23	26.95	118.4	1.024	0.57
600	5.60	34.30	27.07	107.5	1.138	0.36
700	5.10	34.35	27.17	98.6	1.242	0.38
800	4.63	34.39	27.26	90.9	1.338	0.45
1000	3.95	34.44	27.37	80.7	1.512	0.58

STATION 1011 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 27°48'N 122°52'W March 4, 1949 1120-1310 GCT Wire angle: 20° Sounding: missing Depth of observation: 1,159 m. Weather: partly cloudy Sea: slight Wind: 230°, force 2.

0	15.60	33.86	24.98	298.6	.0000	5.58
10	15.63	33.80	24.93	304.1	.0303	5.48
20	15.52	33.76	24.92	305.1	.0608	5.56
30	15.47	33.76	24.93	304.2	.0914	5.57
50	15.40	33.81	24.99	299.5	.1521	5.38
75	15.31	33.84	25.03	296.2	.2270	5.50
100	15.20	33.80	25.03	297.3	.3016	5.53
150	12.03	33.57	25.49	253.4	.440	4.58
200	9.81	33.67	25.97	208.9	.557	3.72
250	8.75	33.87	26.29	178.3	.654	3.13
300	8.09	34.02	26.51	158.2	.739	2.46
400	7.23	34.19	26.78	134.9	.887	1.13
500	6.75	34.25	26.88	125.0	1.018	0.45
600	6.10	34.28	27.00	115.2	1.139	0.37
700	5.39	34.34	27.13	103.0	1.249	0.37
800	4.85	34.39	27.23	93.7	1.348	0.41
1000	4.08	34.46	27.38	80.6	1.525	0.58

STATION 1101 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°23'N 116°00'W March 7, 1949 1634-1810 GCT
 Wire angle: 28° Sounding: missing Depth of observation: 1,001 m.
 Weather: partly cloudy Sea: rough Wind: 340°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)
0	14.60	33.66	25.05	292.5	.0000	5.57
10	14.60	33.66	25.05	292.7	.0294	5.69
20	14.60	33.69	25.07	290.8	.0587	5.61
30	14.60	33.68	25.06	291.8	.0879	5.65
50	14.52	33.66	25.06	292.4	.1466	5.75
75	13.73	33.62	25.20	280.0	.2186	5.50
100	12.32	33.61	25.47	254.6	.2858	4.13
150	10.74	33.78	25.89	215.6	.404	2.25
200	10.25	34.15	26.27	180.7	.504	1.35
250	9.80	34.40	26.54	155.4	.589	0.91
300	9.20	34.41	26.65	146.5	.665	0.68
400	8.08	34.36	26.78	134.6	.806	0.47
500	7.21	34.34	26.89	124.9	.937	0.36
600	6.33	34.36	27.03	112.8	1.057	0.35
700	5.59	34.38	27.14	102.7	1.166	0.34
800	4.95	34.42	27.24	93.0	1.265	0.39
1000	4.15	34.49	27.39	79.6	1.439	0.57

STATION 1102 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 29°12'N 116°46'W March 7 & 8, 1949 2300-0039 GCT
 Wire angle: 8° Sounding: missing Depth of observation: 1,232 m.
 Weather: partly cloudy Sea: rough Wind: 350°, force 5.

0	14.67	33.62	25.00	296.8	.0000	5.63
10	14.65	33.62	25.00	296.7	.0298	5.80
20	14.50	33.62	25.04	294.0	.0594	5.84
30	14.36	33.62	25.07	291.0	.0888	5.84
50	14.03	33.71	25.20	278.8	.1461	5.77
75	12.82	33.66	25.41	259.8	.2138	4.50
100	11.05	33.62	25.71	231.3	.2756	3.65
150	9.47	33.80	26.12	192.8	.382	3.00
200	9.08	34.07	26.40	167.9	.473	2.62
250	8.78	34.09	26.46	162.5	.556	1.60
300	8.43	34.13	26.55	155.2	.636	0.93
400	7.56	34.27	26.79	133.6	.782	0.63
500	6.70	34.30	26.93	120.7	.910	0.44
600	5.95	34.31	27.03	111.6	1.027	0.32
700	5.42	34.33	27.12	104.2	1.136	0.30
800	4.97	34.36	27.19	97.4	1.238	0.34
1000	4.19	34.44	27.34	83.7	1.421	0.54

STATION 1103 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 28°47'N 117°21'W March 8, 1949 0523-0700 GCT
 Wire angle: 30° Sounding: missing Depth of observation: 1,011 m.
 Weather: partly cloudy Sea: rough Wind: 340°, force 4

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0	14.70	33.49	24.89	307.1	.0000	5.54
10	14.70	33.69	25.05	292.6	.0301	5.74
20	14.70	33.55	24.94	303.2	.0600	5.88
30	14.69	33.53	24.93	304.7	.0905	5.88
50	14.60	33.58	24.98	299.7	.1513	5.64
75	14.28	33.55	25.03	296.1	.2262	5.64
100	13.60	33.52	25.15	285.0	.2993	5.60
150	11.35	33.45	25.53	250.1	.434	4.34
200	9.10	33.35	25.83	221.3	.553	4.05
250	8.88	33.98	26.36	172.2	.652	2.18
300	8.57	34.03	26.45	164.7	.737	1.42
400	7.49	34.18	26.72	139.5	.890	0.63
500	6.57	34.26	26.92	121.8	1.022	0.44
600	5.89	34.28	27.02	112.8	1.140	0.43
700	5.36	34.30	27.10	105.5	1.250	0.42
800	4.89	34.35	27.20	97.2	1.353	0.42
1000	4.20	34.48	27.37	80.9	1.533	0.40

STATION 1104 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 28°20.5'N 118°03'W March 8, 1949 1148-1340 GCT
 Wire angle: 25° Sounding: missing Depth of observation: 1,113 m.
 Weather: partly cloudy Sea: rough Wind: 360°, force 3.

0	14.69	33.60	24.98	298.8	.0000	5.75
10	14.69	33.51	24.91	305.7	.0304	5.58
20	14.70	33.66	25.02	295.1	.0605	5.56
30	14.64	33.66	25.04	294.2	.0901	5.57
50	14.31	33.61	25.07	291.5	.1490	5.60
75	14.19	33.58	25.07	292.3	.2223	5.62
100	13.34	33.61	25.27	274.0	.2936	4.87
150	10.41	33.83	25.99	205.8	.414	2.92
200	9.22	34.02	26.34	173.7	.510	2.43
250	8.53	34.10	26.51	158.0	.593	1.99
300	8.34	34.23	26.64	146.5	.670	1.31
400	7.89	34.35	26.80	132.6	.811	0.48
500	6.61	34.34	26.97	116.5	.936	0.34
600	5.52	34.36	27.13	102.2	1.047	0.30
700	4.85	34.38	27.23	92.9	1.145	0.31
800	4.40	34.41	27.30	86.7	1.236	0.38
1000	3.94	34.46	27.38	79.5	1.404	0.54

STATION 1105 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 28°03.5'N 118°41.5'W March 8, 1949 1748-1929 GCT
 Wire angle: 25° Sounding: missing Depth of observation: 1,116 m.
 Weather: partly 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)
0	15.49	33.77	24.94	302.8	.0000	5.47
10	15.49	33.77	24.94	303.0	.0304	5.36
20	15.49	33.76	24.93	304.1	.0609	5.38
30	15.41	33.72	24.92	305.7	.0915	5.39
50	14.88	33.62	24.95	302.7	.1526	5.43
75	14.45	33.61	25.04	295.2	.2278	5.58
100	13.46	33.67	25.29	271.7	.2991	4.38
150	10.74	33.94	26.02	203.5	.419	2.57
200	9.44	34.09	26.36	171.9	.513	2.38
250	8.65	34.19	26.56	153.2	.595	1.68
300	8.20	34.24	26.67	143.6	.670	1.20
400	7.49	34.25	26.78	133.9	.810	0.56
500	6.60	34.28	26.93	120.4	.938	0.30
600	5.81	34.34	27.08	107.4	1.053	0.27
700	5.20	34.39	27.19	96.9	1.156	0.31
800	4.70	34.42	27.27	89.6	1.250	0.39
1000	3.99	34.47	27.39	79.2	1.421	0.60

STATION 1106 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 27°43'N 119°16.5'W March 8 & 9, 1949 2345-0120 GCT
 Wire angle: 15° Sounding: missing Depth of observation: 1,199 m.
 Weather: partly cloudy Sea: Moderate Wind: 330°, force 3.

0	15.26	33.69	24.93	304.1	.0000	5.49
10	15.21	33.69	24.94	303.3	.0305	5.39
20	15.10	33.69	24.96	301.2	.0608	5.37
30	14.91	33.68	24.99	298.3	.0909	5.42
50	14.34	33.63	25.08	290.8	.1501	5.52
75	12.68	33.48	25.30	270.2	.2206	4.42
100	11.28	33.61	25.66	235.9	.2843	3.66
150	10.29	33.91	26.07	197.9	.394	2.50
200	9.92	34.24	26.39	168.5	.486	1.46
250	9.21	34.28	26.54	154.8	.567	1.08
300	8.52	34.32	26.68	143.0	.642	0.80
400	7.60	34.34	26.83	129.0	.779	0.45
500	6.72	34.34	26.96	118.0	.904	0.31
600	5.98	34.37	27.08	107.5	1.018	0.28
700	5.39	34.39	27.17	99.3	1.122	0.29
800	4.89	34.41	27.24	92.4	1.219	0.34
1000	4.10	34.43	27.34	83.4	1.397	0.55

STATION 1107 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 27°20'N 119°52'W March 9, 1949 0547-0716 GCT
Wire angle: 7° Sounding: missing Depth of observation: 1,232 m.
Weather: partly cloudy Sea: Slight Wind: 320°, force 1.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	$10^5 \frac{\sigma}{\rho}$	ΔD (dyn.m.)	O ₂ (ml/L)
0	15.03	33.64	24.94	303.0	.0000	5.97
10	15.03	33.68	24.97	300.2	.0303	5.80
20	15.02	33.67	24.96	301.1	.0605	5.73
30	14.97	33.63	24.94	303.1	.0908	5.71
50	14.65	33.49	24.90	307.4	.1522	5.70
75	14.40	33.60	25.04	294.9	.2279	5.53
100	13.25	33.28	25.03	296.5	.3023	5.52
150	10.52	33.62	25.81	223.2	.433	3.75
200	9.79	33.82	26.09	197.0	.539	2.45
250	9.23	34.04	26.35	173.3	.632	1.66
300	8.70	34.29	26.63	147.5	.713	1.17
400	7.64	34.40	26.88	125.2	.850	0.72
500	6.70	34.41	27.02	112.6	.970	0.47
600	5.89	34.40	27.12	103.9	1.079	0.30
700	5.32	34.39	27.18	98.4	1.181	0.31
800	4.87	34.38	27.22	99.5	1.281	0.38
1000	4.11	34.38	27.30	87.2	1.470	0.60

STATION 1108 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 26°57'N 120°34.5'W March 9, 1949 1153-1330 GCT
Wire angle: 6° Sounding: missing Depth of observation: 1,239 m.
Weather: partly cloudy Sea: smooth Wind: 350°, force 1.

0	15.17	33.58	24.86	310.1	.0000	5.67
10	15.19	33.84	25.06	291.6	.0302	5.60
20	15.19	33.81	25.03	294.2	.0596	5.62
30	15.17	33.77	25.01	297.0	.0893	5.63
50	15.00	33.72	25.01	297.4	.1490	5.51
75	14.76	33.68	25.03	296.4	.2237	5.44
100	14.37	33.59	25.04	295.6	.2982	5.20
150	10.82	33.60	25.74	229.8	.430	4.13
200	9.16	33.84	26.21	186.1	.535	3.81
250	8.18	33.95	26.44	163.9	.623	3.06
300	7.50	34.02	26.60	149.5	.702	2.42
400	6.60	34.13	26.81	130.6	.843	1.44
500	6.14	34.24	26.96	117.4	.968	0.89
600	5.80	34.35	27.09	106.6	1.081	0.62
700	5.27	34.39	27.18	97.9	1.185	0.53
800	4.71	34.41	27.26	90.6	1.280	0.50
1000	3.94	34.45	27.38	80.1	1.452	0.62

STATION 1109 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 26°37'N 121°03'W March 9, 1949 1738-1908 GCT
 Wire angle: 2° Sounding: missing Depth of observation: 1,254 m.
 Weather: partly cloudy Sea: smooth Wind: 360°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ σ	ΔD (dyn.m.)	O ₂ (ml/L)
0	16.18	33.87	24.86	310.5	.0000	5.53
10	16.10	33.87	24.88	309.1	.0311	5.53
20	16.10	33.86	24.87	310.1	.0622	5.55
30	16.10	33.86	24.87	310.3	.0933	5.55
50	16.10	33.86	24.87	311.0	.1558	5.51
75	15.89	33.86	24.92	306.9	.2334	5.57
100	15.77	33.74	24.85	314.1	.3116	5.52
150	12.58	33.48	25.32	270.2	.459	4.92
200	9.58	33.75	26.07	199.3	.577	2.94
250	8.98	34.00	26.36	171.9	.670	2.36
300	8.48	34.15	26.55	154.5	.753	1.79
400	7.30	34.20	26.77	135.0	.898	0.68
500	6.40	34.23	26.92	121.8	1.028	0.41
600	5.64	34.28	27.05	109.6	1.145	0.37
700	5.16	34.33	27.15	100.8	1.251	0.45
800	4.76	34.38	27.23	93.3	1.349	0.55
1000	4.10	34.44	27.36	82.3	1.526	0.75

STATION 1110 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 26°15'N 121°45'W March 9 & 10, 1949 2356-0123 GCT
 Wire angle: 0° Sounding: missing Depth of observation: 1,263 m.
 Weather: cloudy Sea: smooth Wind: 270°, force 1.

0	16.90	34.05	24.83	313.2	.0000	5.55
10	16.61	33.98	24.84	312.1	.0314	5.34
20	16.60	33.95	24.82	314.6	.0629	5.43
30	16.58	33.95	24.83	314.4	.0944	5.51
50	16.52	34.02	24.89	308.6	.1570	5.36
75	16.40	33.97	24.88	310.3	.2348	5.43
100	16.25	33.93	24.89	310.5	.3129	5.34
150	15.88	33.86	24.92	308.9	.469	5.40
200	10.03	33.58	25.86	219.2	.602	3.87
250	9.32	33.81	26.16	191.7	.705	2.45
300	8.62	34.15	26.53	156.6	.793	1.82
400	7.11	34.04	26.67	143.9	.945	1.14
500	6.32	34.15	26.86	126.7	1.081	0.74
600	5.72	34.24	27.01	113.5	1.202	0.46
700	5.23	34.29	27.11	104.6	1.312	0.45
800	4.82	34.31	27.17	99.2	1.415	0.49
1000	4.10	34.35	27.28	89.4	1.606	0.64

STATION 1111 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 26°00'N 122°10'W March 10, 1949 0440-0600 GCT
 Wire angle: 0° Sounding: missing Depth of observation: 1,264 m.
 Weather: cloudy Sea: smooth Wind: 360°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)
0	16.84	33.93	24.75	320.7	.0000	5.13
10	16.83	33.96	24.78	318.6	.0321	5.16
20	16.82	33.85	24.69	326.5	.0645	5.18
30	16.77	33.85	24.71	325.9	.0972	5.19
50	16.69	33.95	24.80	317.3	.1619	5.33
75	16.61	33.89	24.77	320.7	.2421	5.26
100	16.15	33.80	24.81	317.7	.3224	5.17
150	14.30	33.53	25.01	299.9	.478	4.83
200	10.54	33.69	25.86	219.7	.609	3.79
250	9.25	33.86	26.21	187.8	.711	2.85
300	8.27	34.00	26.48	162.0	.799	2.20
400	6.98	34.12	26.75	136.6	.950	1.20
500	6.36	34.20	26.90	123.1	1.081	0.60
600	5.88	34.31	27.04	110.3	1.199	0.31
700	5.37	34.43	27.20	095.9	1.303	0.34
800	4.90	34.50	27.31	086.1	1.395	0.46
1000	4.20	34.54	27.42	076.5	1.559	0.74

STATION 1201 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 27°30'N 115°18'W March 13, 1949 0818-1012 GCT
 Wire angle: 35° Sounding: missing Depth of observation: 1,120 m.
 Weather: partly cloudy Sea: rough Wind: missing, force 4

0	14.00	33.55	25.09	288.7	.0000	-
10	14.18	33.49	25.00	296.8	.0294	-
20	14.17	33.53	25.04	293.9	.0590	-
30	14.17	33.53	25.04	294.3	.0886	-
50	13.87	33.54	25.11	288.2	.1471	-
75	11.70	33.65	25.62	239.9	.2135	-
100	11.48	33.61	25.63	239.4	.2738	-
150	10.92	33.98	26.01	203.7	.385	-
200	10.22	34.27	26.36	171.4	.480	-
250	9.73	34.43	26.57	152.5	.561	-
300	9.25	34.49	26.70	141.2	.635	-
400	8.29	34.47	26.83	129.8	.772	-
500	7.32	34.45	26.96	118.4	.897	-
600	6.39	34.43	27.07	108.4	1.012	-
700	5.67	34.42	27.16	100.7	1.117	-
800	5.07	34.43	27.24	093.5	1.215	-
1000	4.20	34.46	27.36	082.4	1.393	-

STATION 1202 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 27°05'N 115°54.5'W March 13, 1949 0059-0312 GCT
 Wire angle: 30° Sounding: missing Depth of observation: 983 m.
 Weather: partly cloudy Sea: moderate Wind: 360°, force 3.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	15.52	33.68	24.86	310.1	.0000	-	-
10	15.52	33.62	24.82	314.6	.0314	-	-
20	15.52	33.69	24.87	309.8	.0627	-	-
30	15.52	33.69	24.87	310.3	.0938	-	-
50	15.53	33.70	24.88	310.4	.1562	-	-
75	15.39	33.79	24.97	301.5	.2331	-	-
100	13.25	33.60	25.28	273.0	.3054	-	-
150	10.30	33.78	25.97	207.8	.426	-	-
200	10.19	34.13	26.26	181.3	.524	-	-
250	9.91	34.27	26.42	167.2	.612	-	-
300	9.48	34.31	26.52	158.3	.694	-	-
400	8.51	34.36	26.70	141.4	.845	-	-
500	7.50	34.38	26.88	125.7	.980	-	-
600	6.59	34.35	26.99	116.9	1.102	-	-
700	5.82	34.33	27.07	109.4	1.216	-	-
800	5.22	34.35	27.16	101.4	1.323	-	-
1000	(4.31)	(34.50)	(27.38)	(081.0)	(1.507)	-	-

STATION 1203 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 26°37'N 116°37'W March 12, 1949 1728-1858 GCT
 Wire angle: 25° Sounding: missing Depth of observation: 1,133 m.
 Weather: cloudy Sea: moderate Wind: 20°, force 3.

0	15.67	33.89	24.99	298.0	.0000	-	-
10	15.69	33.86	24.96	300.8	.0301	-	-
20	15.69	33.84	24.95	302.6	.0604	-	-
30	15.69	33.85	24.95	302.2	.0907	-	-
50	15.70	33.86	24.96	302.3	.1515	-	-
75	15.69	33.82	24.93	305.6	.2279	-	-
100	15.61	33.85	24.97	302.2	.3043	-	-
150	14.36	33.93	25.30	272.6	.449	-	-
200	11.49	34.22	26.10	197.1	.567	-	-
250	10.60	34.36	26.37	172.3	.660	-	-
300	9.84	34.43	26.55	155.3	.743	-	-
400	8.58	34.38	26.72	141.0	.892	-	-
500	7.41	34.34	26.86	127.9	1.028	-	-
600	6.39	34.35	27.01	114.3	1.150	-	-
700	5.59	34.37	27.13	103.5	1.260	-	-
800	4.93	34.38	27.22	095.3	1.360	-	-
1000	4.11	34.41	27.33	085.1	1.543	-	-

STATION 1204 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 26 16'N 117 03'W March 12, 1949 1045-1219 GCT
 Wire angle: 23° Sounding: missing Depth of observation: 1,133 m.
 Weather: cloudy Sea: slight Wind: 320°, force 2.

Depth (m)	T (°C)	S (°/oo)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	15.61	33.82	24.95	301.7	.0000	-	-
10	15.61	33.78	24.92	305.0	.0305	-	-
20	15.61	33.78	24.92	305.3	.0611	-	-
30	15.54	33.78	24.93	304.1	.0917	-	-
50	15.10	33.76	25.02	297.0	.1521	-	-
75	14.62	33.65	25.03	295.8	.2266	-	-
100	13.81	33.56	25.13	286.7	.2999	-	-
150	12.00	33.92	25.77	227.1	.429	-	-
200	10.48	34.20	26.27	180.8	.532	-	-
250	9.34	34.27	26.51	157.9	.617	-	-
300	8.84	34.31	26.62	148.2	.694	-	-
400	7.86	34.32	26.78	134.3	.837	-	-
500	6.89	34.32	26.92	121.8	.966	-	-
600	6.10	34.35	27.05	110.5	1.083	-	-
700	5.49	34.39	27.16	100.6	1.190	-	-
800	4.97	34.42	27.24	092.9	1.287	-	-
1000	4.13	34.47	27.37	080.8	1.463	-	-

STATION 1205 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 25 51'N 117 37'W March 12, 1949 0437-0610 GCT
 Wire angle: 30° Sounding: missing Depth of observation: 1,057 m.
 Weather: cloudy Sea: slight Wind: 320°, force 2.

0	16.06	33.77	24.81	315.2	.0000	-	-
10	16.05	33.75	24.80	316.7	.0317	-	-
20	15.96	33.75	24.82	314.8	.0634	-	-
30	15.88	33.75	24.84	313.6	.0950	-	-
50	15.62	33.75	24.89	308.8	.1575	-	-
75	15.26	33.75	24.97	301.7	.2343	-	-
100	14.80	33.72	25.05	294.9	.3093	-	-
150	11.31	33.65	25.69	234.7	.443	-	-
200	10.68	34.16	26.20	187.3	.549	-	-
250	10.19	34.37	26.45	164.6	.638	-	-
300	9.57	34.43	26.60	150.7	.717	-	-
400	8.16	34.43	26.82	130.7	.859	-	-
500	7.13	34.41	26.96	118.7	.985	-	-
600	6.32	34.41	27.07	109.2	1.100	-	-
700	5.61	34.42	27.16	100.0	1.205	-	-
800	4.94	34.44	27.26	091.1	1.302	-	-
1000	3.72	34.49	27.43	074.7	1.469	-	-

STATION 1206 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 25°26'N 118°10'W March 11, 1949 2230-2358 GCT Wire angle: 9° Sounding: missing Depth of observation: 1,233 m. Weather: partly cloudy Sea: slight 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 (μ g at/L)
0	16.81	33.71	24.59	336.1	.0000	-	-
10	16.63	33.69	24.62	333.7	.0336	-	-
20	16.58	33.59	24.55	340.4	.0675	-	-
30	16.54	33.58	24.55	340.6	.1016	-	-
50	16.48	33.64	24.61	335.5	.1696	-	-
75	16.37	33.65	24.65	332.9	.2536	-	-
100	15.78	33.61	24.75	323.6	.3362	-	-
150	15.57	33.60	24.79	321.1	.499	-	-
200	14.22	33.64	25.11	291.6	.653	-	-
250	10.95	33.82	25.88	218.0	.781	-	-
300	9.82	34.07	26.28	181.4	.882	-	-
400	8.91	34.34	26.64	149.0	1.048	-	-
500	7.68	34.36	26.84	130.2	1.189	-	-
600	6.47	34.36	27.01	114.5	1.313	-	-
700	5.70	34.35	27.10	106.3	1.424	-	-
800	5.10	34.36	27.18	99.2	1.528	-	-
1000	4.21	34.41	27.32	86.2	1.715	-	-

STATION 1207 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 25°08.5'N 118°51'W March 11, 1949 1634-1830 GCT Wire angle: 5° Sounding: missing Depth of observation: 1,244 m. Weather: partly cloudy Sea: smooth Wind: 320°, force 2.

0	16.17	33.64	24.68	326.9	.0000	-	-
10	16.23	33.74	24.75	321.3	.0325	-	-
20	16.10	33.85	24.86	310.7	.0643	-	-
30	16.04	33.87	24.89	308.4	.0954	-	-
50	16.04	33.87	24.89	309.3	.1574	-	-
75	16.04	33.62	24.70	328.0	.2375	-	-
100	15.64	33.75	24.89	310.5	.3179	-	-
150	15.96	33.77	24.83	317.0	.476	-	-
200	15.11	33.88	25.10	292.7	.649	-	-
250	12.96	33.90	25.57	248.8	.786	-	-
300	9.66	33.92	26.19	189.7	.896	-	-
400	8.77	34.16	26.52	160.0	1.072	-	-
500	7.49	34.11	26.67	145.8	1.226	-	-
600	6.48	34.07	26.78	136.0	1.369	-	-
700	5.75	34.28	27.04	112.1	1.494	-	-
800	5.15	34.40	27.20	96.8	1.599	-	-
1000	4.27	34.43	27.33	85.4	1.784	-	-

STATION 1208 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 24°37'N 119°21'W March 11, 1949 1023-1153 GCT
 Wire angle: 4° Sounding: missing Depth of observation: 1,238
 Weather: cloudy Sea: smooth Wind: 320°, force 2.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	$10^5 \delta$	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	16.40	33.86	24.80	316.1	.0000	-	-
10	16.50	33.91	24.81	314.8	.0312	-	-
20	16.50	33.86	24.78	318.9	.0630	-	-
30	16.36	33.82	24.78	319.0	.0950	-	-
50	16.08	33.86	24.87	310.5	.1583	-	-
75	15.82	33.74	24.84	314.4	.2368	-	-
100	15.72	33.69	24.82	316.5	.3162	-	-
150	15.84	33.85	24.92	308.9	.474	-	-
200	14.03	33.60	25.12	290.9	.625	-	-
250	12.20	34.10	25.87	220.1	.753	-	-
300	10.62	34.36	26.36	173.7	.852	-	-
400	8.63	34.22	26.59	153.5	1.017	-	-
500	7.38	34.30	26.84	130.4	1.161	-	-
600	6.42	34.39	27.04	111.7	1.283	-	-
700	5.71	34.44	27.17	99.7	1.389	-	-
800	5.15	34.47	27.26	91.5	1.486	-	-
1000	4.26	34.44	27.34	84.6	1.664	-	-

STATION 1209 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 24°05'N 119°53'W March 11, 1949 0406-0530 GCT
 Wire angle: 6° Sounding: missing Depth of observation: 1,256 m.
 Weather: cloudy Sea: slight Wind: 320°, force 2.

0	16.91	33.93	24.74	322.2	.0000	5.26	-
10	16.90	33.98	24.78	318.5	.0322	5.25	-
20	16.87	33.95	24.76	320.5	.0642	5.24	-
30	16.82	33.88	24.72	324.9	.0966	5.25	-
50	16.69	33.82	24.70	326.9	.1622	5.34	-
75	16.01	33.84	24.87	311.2	.2424	5.58	-
100	15.68	33.72	24.86	313.5	.3210	5.54	-
150	11.16	33.54	25.63	240.2	.460	4.20	-
200	10.05	34.00	26.18	188.7	.568	3.08	-
250	9.40	34.10	26.37	172.4	.659	2.10	-
300	8.89	34.17	26.51	159.2	.743	1.31	-
400	8.05	34.30	26.74	138.7	.893	0.53	-
500	7.21	34.32	26.88	125.8	1.026	0.31	-
600	6.46	34.33	26.99	116.7	1.149	0.25	-
700	5.72	34.35	27.10	106.5	1.261	0.27	-
800	5.14	34.37	27.18	98.9	1.365	0.32	-
1000	4.26	34.43	27.33	85.4	1.551	0.50	-

STATION 1210 (Interpolated Values at Standard Depths)

N. B. SCOFIELD: 23°55'N 120°20'W March 10 & 11, 1949 2313-0041 GCT
 Wire angle: 12° Sounding: missing Depth of observation: 1,212 m.
 Weather: cloudy Sea: smooth Wind: 320°, force 1.

Depth (m)	T (°C)	S (‰)	σ_t (mg/cm ³)	10 ⁵ δ	ΔD (dyn.m.)	O ₂ (ml/L)	PO ₄ -P (μ g at/L)
0	17.10	33.95	24.71	325.1	.0000	5.36	-
10	17.10	33.93	24.69	326.9	.0327	5.34	-
20	17.08	33.93	24.69	326.8	.0656	5.32	-
30	17.04	33.93	24.70	326.2	.0983	5.32	-
50	17.01	33.91	24.70	327.5	.1640	5.49	-
75	16.95	33.89	24.69	328.2	.2465	5.38	-
100	16.60	33.86	24.75	323.2	.3284	5.38	-
150	12.86	33.53	25.30	271.8	.478	4.81	-
200	10.32	33.89	26.05	201.0	.597	3.26	-
250	9.90	34.22	26.38	170.6	.691	1.80	-
300	9.58	34.39	26.57	154.0	.773	1.01	-
400	8.36	34.45	26.81	132.3	.917	0.40	-
500	7.26	34.43	26.96	118.9	1.044	0.35	-
600	6.38	34.42	27.07	109.0	1.159	0.33	-
700	5.68	34.44	27.17	99.4	1.264	0.33	-
800	5.11	34.48	27.27	90.3	1.360	0.35	-
1000	4.23	34.53	27.41	77.6	1.530	0.50	-

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