

Irene Reid

UNIVERSITY OF CALIFORNIA | SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CCOFI Cruise 6404
10 April - 1 May 1964

and

CCOFI Cruise 6407
15 June - 4 August 1964

SIO Reference 66-20
September 1, 1966

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Sponsored by
Marine Research Committee

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Approved for distribution:

W. A. Nierenberg
W. A. Nierenberg, Director

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INTRODUCTION

The data presented in this report were collected by the RV Black Douglas of the Bureau of Commercial Fisheries and by the RV Alexander Agassiz of the Scripps Institution of Oceanography on Cruises 6404 and 6407 of the California Cooperative Oceanic Fisheries Investigations program.

On Cruise 6404 the RV Alexander Agassiz made three-bottle casts in the mixed layer for temperature, salinity, and inorganic phosphate-phosphorus at each net haul station. These data are reported with the net haul information.

The close grid stations near Point Arguello on Cruise 6407 were occupied as part of an environmental study which was supported in part by AEC Contract AT (11-1)-34, Project 111. The first two figures in this cruise numbering system represent the year of the cruise; the last two figures, the month. The cruises preceding these in the series are 6401 (Scripps Institution report, SIO Ref. 65-7) and 6410 (SIO Ref. 65-18).

The data are tabulated at observed depths; the interpolated and computed values are tabulated at standard depths and are accompanied by charts of horizontal distribution. The presentation of data in this report does not constitute publication; however, the data contained in this report have been carefully edited and no modifications should be necessary before final publication.

STANDARD PROCEDURES

Processing of the data was carried out using the method described by Klein.^{1/} The 125-meter level was introduced into the integration to obtain greater accuracy in the determination of ΔD .

To indicate degree of accuracy, temperatures are recorded in tenths of a degree when obtained by bucket thermometer, thermograph, or bathythermograph, while temperatures from reversing thermometers are recorded in hundredths of a degree. The salinity values obtained by salinometer are recorded to three decimal places, provided they meet accepted standards. The values recorded "have a reproducibility of $\pm 0.04\%$ salinity at the 95 per cent probability level, and a probable

^{1/} Klein, Hans T. A new technique for processing physical oceanographic data. MS.

accuracy of $\pm 0.01\%$ salinity or better at the same level of probability." ^{2/} The values are recorded to two decimal places ~~when obtained by chlorinity titration, or by salinometer~~ where only one determination per sample was obtained, or where there is doubt concerning the accuracy of a particular sample, or of all samples on a station. The accuracy of all samples obtained by salinometer and recorded to two decimal places is believed to be equal to or ~~better~~^e than those obtained by manual titration.

Tabulated Data

The data tabulated are of the same type as have previously appeared in these reports; the column headings from the computer are explained as follows:

Z	Depth in meters	
T	Temperature	°C
S	Salinity	‰
OXY	Oxygen	ml/L
PHO	Phosphate	µg at/L
SIL	Silicate	µg at/L
NIT	Nitrite	µg at/L
D*T	δ_T	cl/ton
SIG*T	σ_t	g/L
DD	ΔD	dyn m

Extrapolated values and values between remote observations are not indicated but can be determined from the tabulation of observed depths. A hyphen is used to indicate a missing observed or interpolated value. The time is the time of messenger release. When more than one cast was made on a station messenger times and wire angles are given in the order of increasing depth and a significant change in position during a multiple cast is listed similarly. Multiple casts are indicated by a footnote letter following all observed depths of each cast except the cast originating at the surface.

On stations where more than one cast is lowered, the various property curves may not agree perfectly. This discrepancy may be caused by changes in geographical position, real property changes with time, slight error in measurement, or a combination of these factors. Stations with overlapping casts have the following footnote: Overlapping casts; reconciliation of property curves when necessary.

^{2/} Quotation from Department of Oceanography, University of Washington, Tech. Rep. No. 66, UW Ref. 60-18, October 1960.

FOOTNOTES

Laboratory personnel note any possible imperfections in the sealing of the bottles as follows:

Loose bottle cap: The cap is definitely loose so that it could be moved with very little applied pressure. The salinity values obtained from these samples may be usable depending on time and/or conditions of storage.

Possible evaporation: Either the cap was sealed with less than usual pressure, the bottle edge chipped, the rubber washer cracked, or the bale broke on opening, etc.

Use of the above values in interpolation depends upon consistency with other values of salinity and other properties, and these footnotes are supplemented with "falls on property curve" or "does not fall on property curve," depending upon whether the property curve was drawn through the value or not.

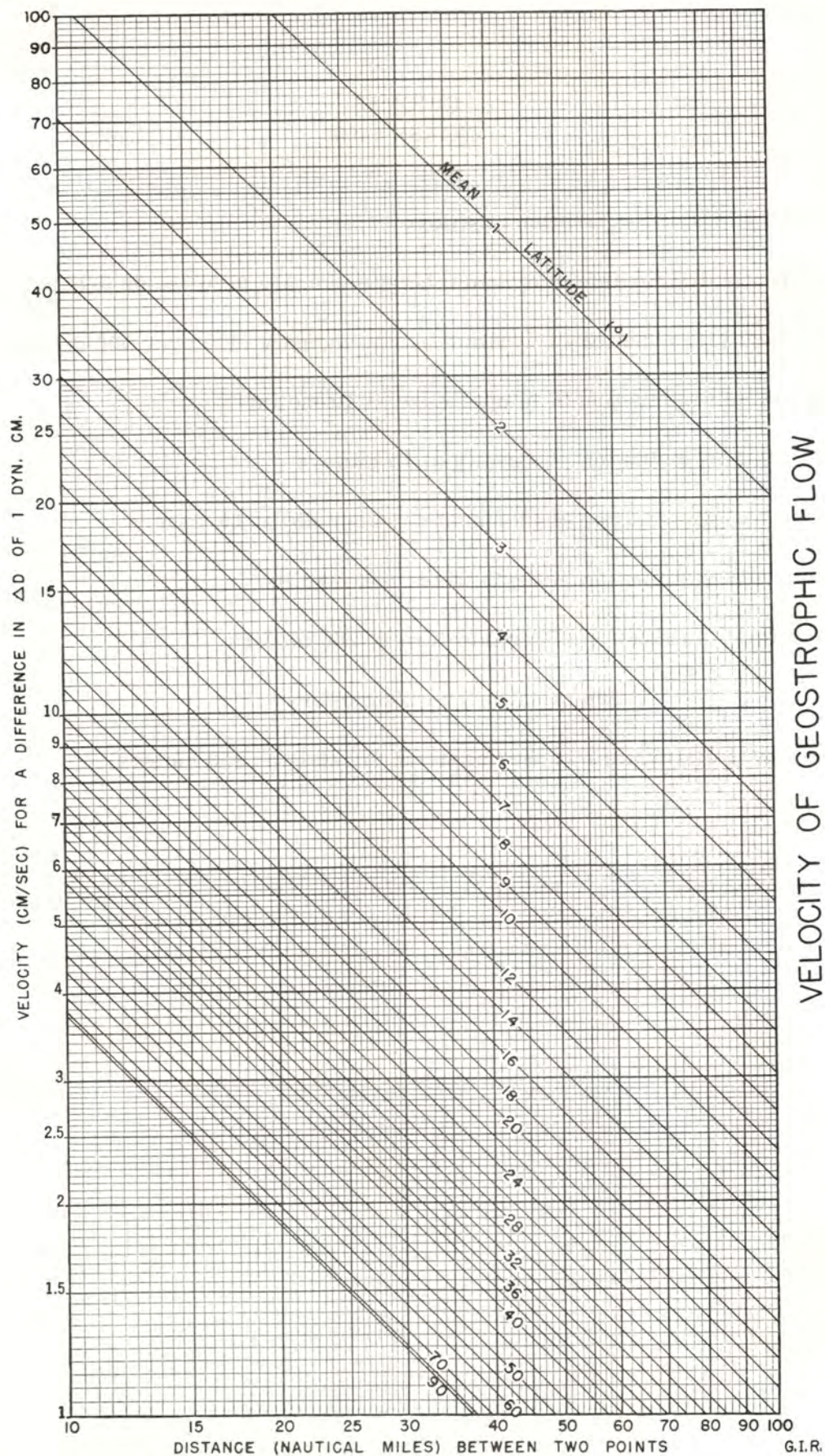
In addition to footnotes, a special notation is used without a footnote because its meaning is always the same.

Values which are not drawn through because they seem to be in error without apparent reason are indicated by the following notation.

u: uncertain value (value may be correct; occasionally it can influence the drawing of the property curve).

FORMAT

These data were collected in part by personnel of and processed completely by the Data Collection and Processing Group (DCPG, MLR), Scripps Institution of Oceanography.



FIGURES
CRUISE 6407

1. CCOFI Cruise 6407, station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of thermosteric anomaly at 10 meters
7. Horizontal distribution of phosphate-phosphorus at 10 meters
8. Horizontal distribution of silicate-silicon at 10 meters
9. Horizontal distribution of temperature at 200 meters
10. Horizontal distribution of salinity at 200 meters
11. Horizontal distribution of thermosteric anomaly at 200 meters

FIGURES FOR CLOSE GRID AREA

- 1a. CCOFI Cruise 6407, station positions
- 2a. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
- 3a. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
- 4a. Horizontal distribution of temperature at 10 meters
- 5a. Horizontal distribution of salinity at 10 meters
- 6a. Horizontal distribution of thermosteric anomaly at 10 meters
- 7a. Horizontal distribution of phosphate-phosphorus at 10 meters
- 8a. Horizontal distribution of silicate-silicon at 10 meters
- 9a. Horizontal distribution of temperature at 200 meters
- 10a. Horizontal distribution of salinity at 200 meters
- 11a. Horizontal distribution of thermosteric anomaly at 200 meters

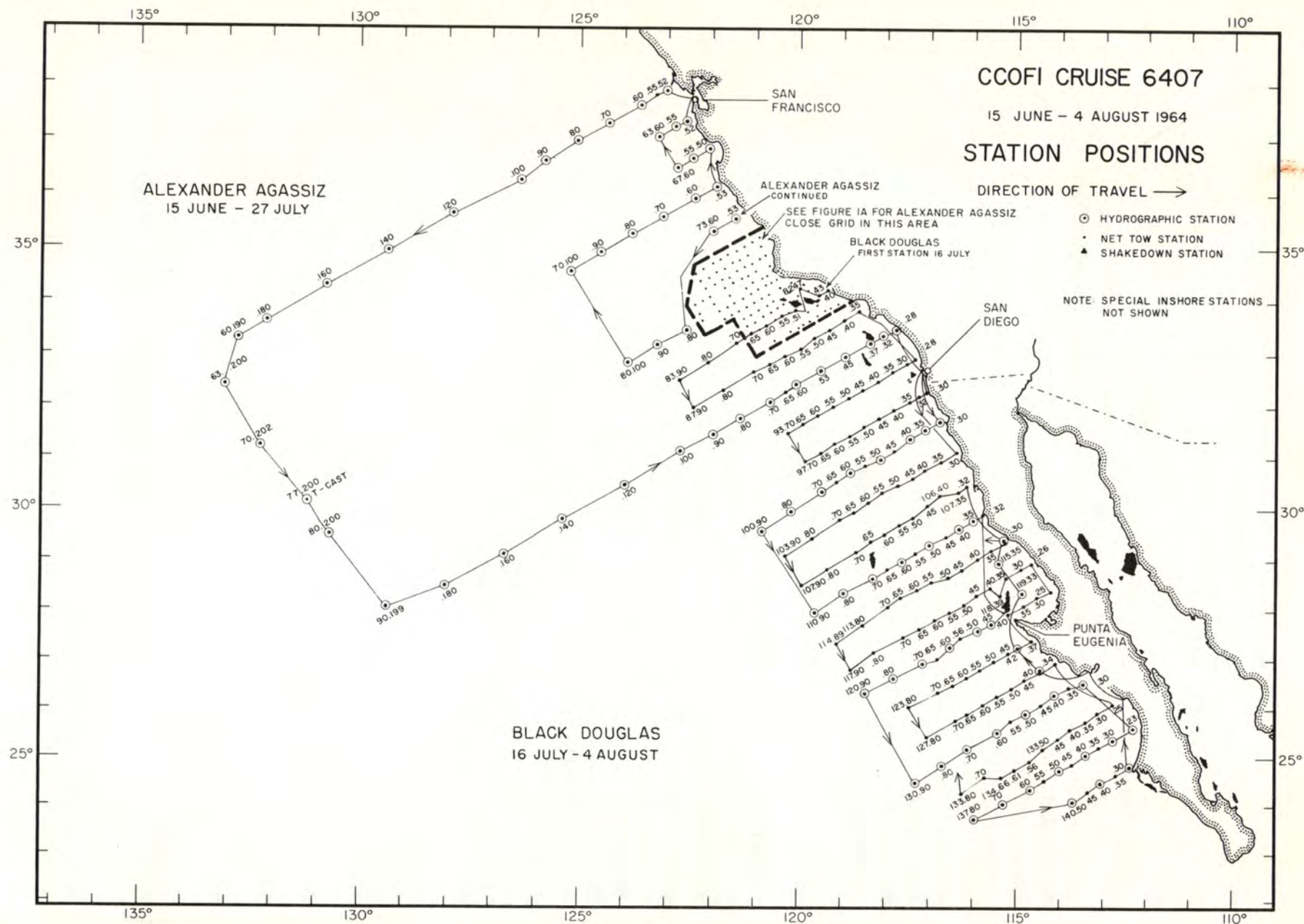


FIGURE 1

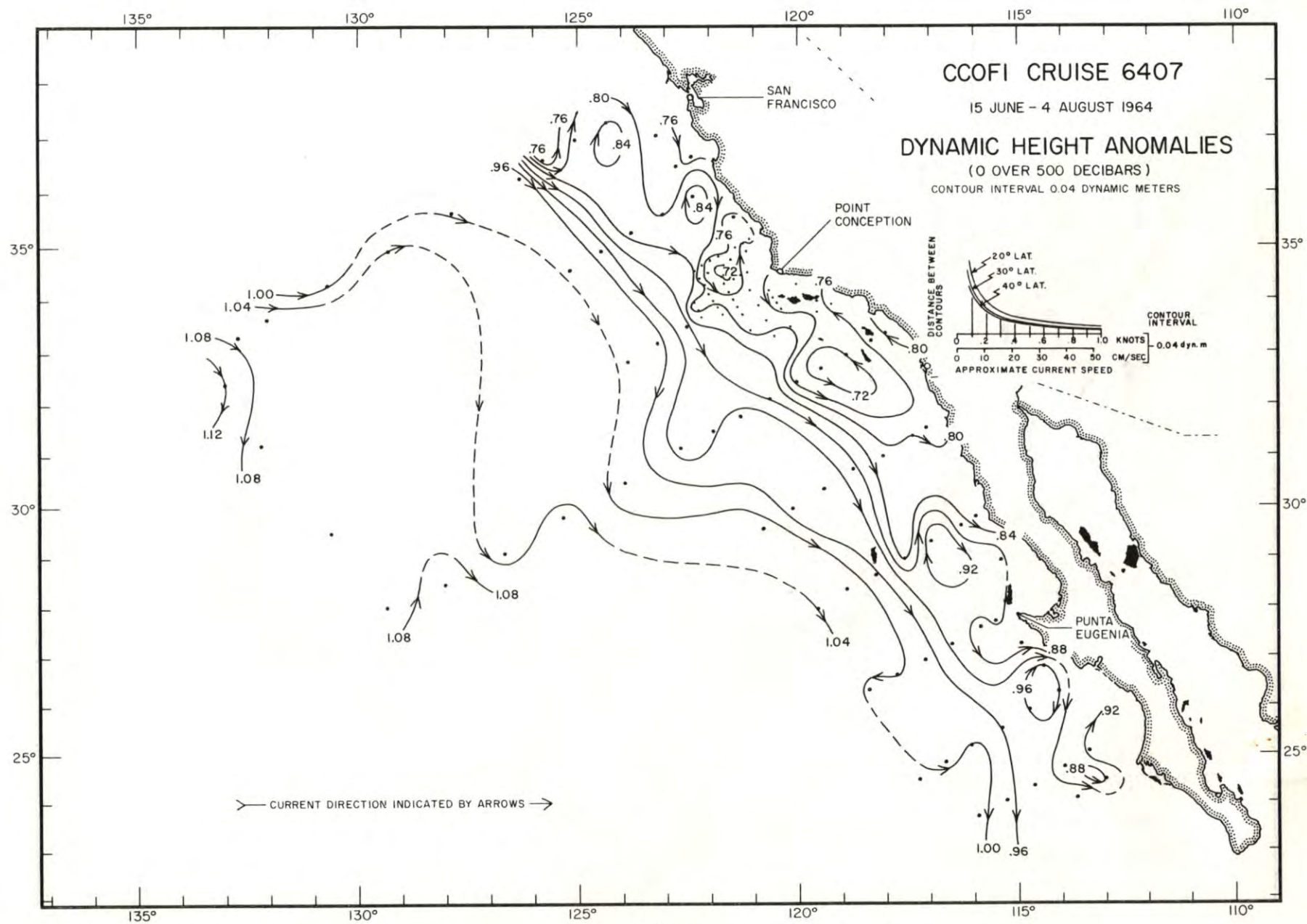


FIGURE 2

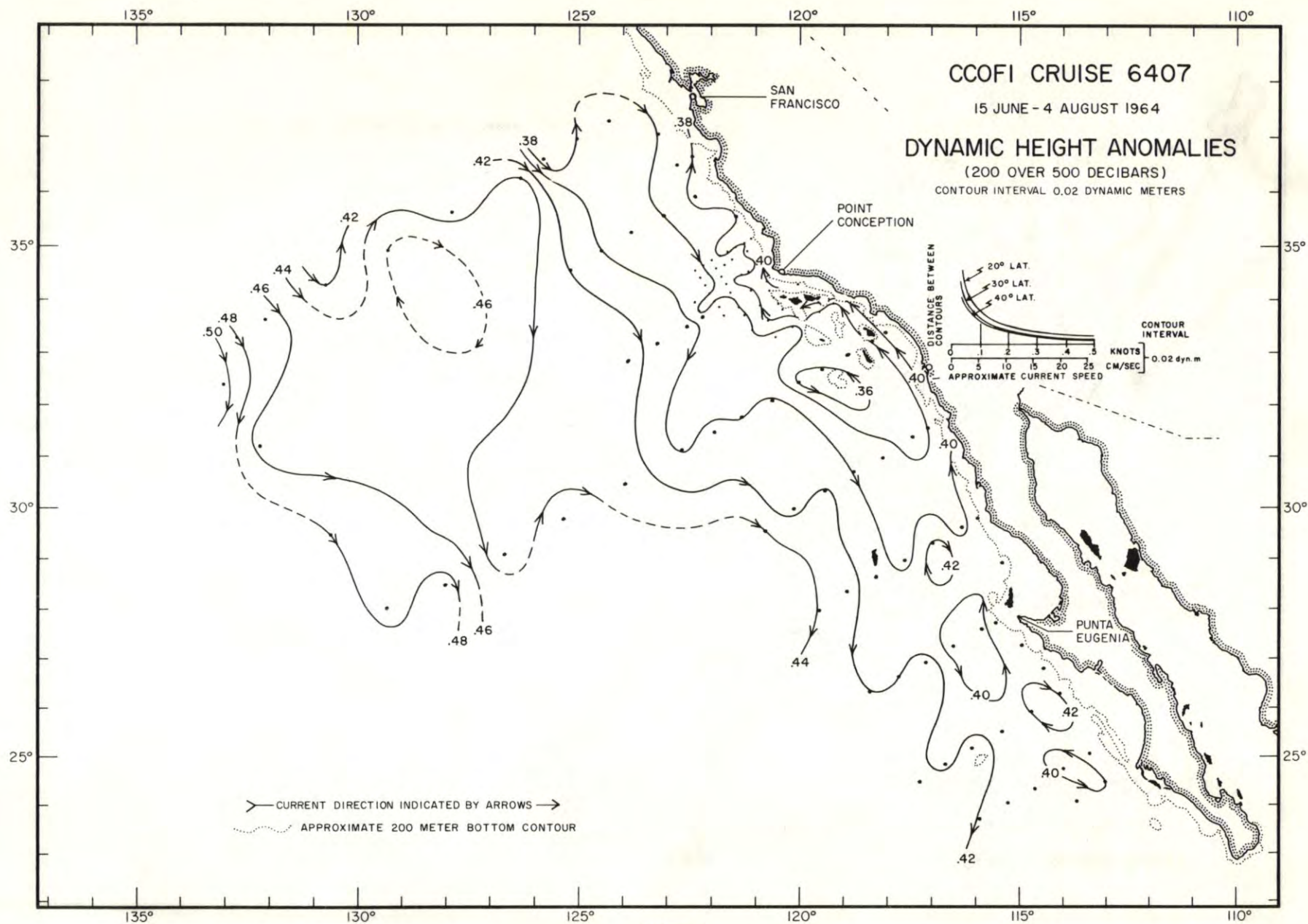


FIGURE 3

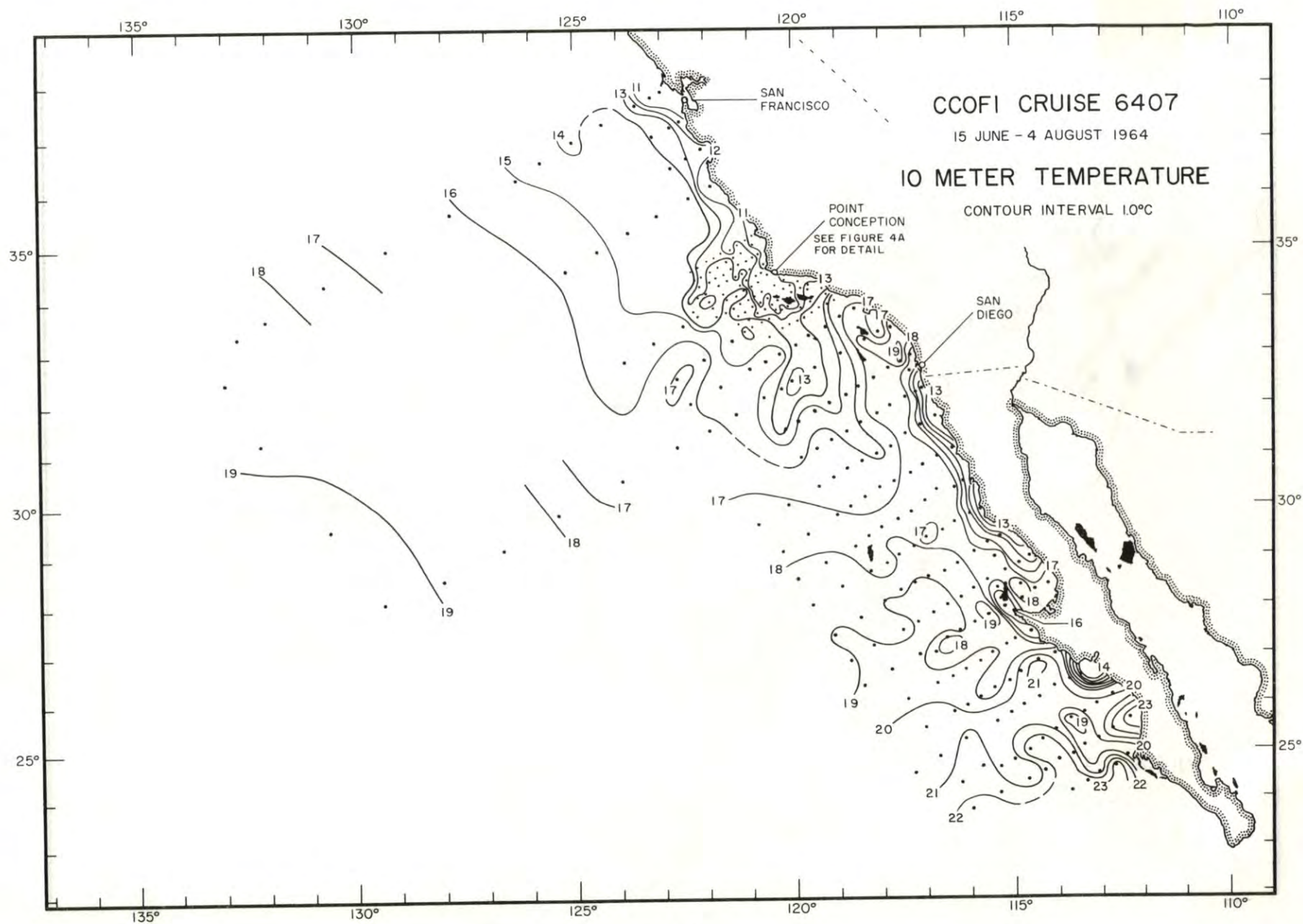


FIGURE 4

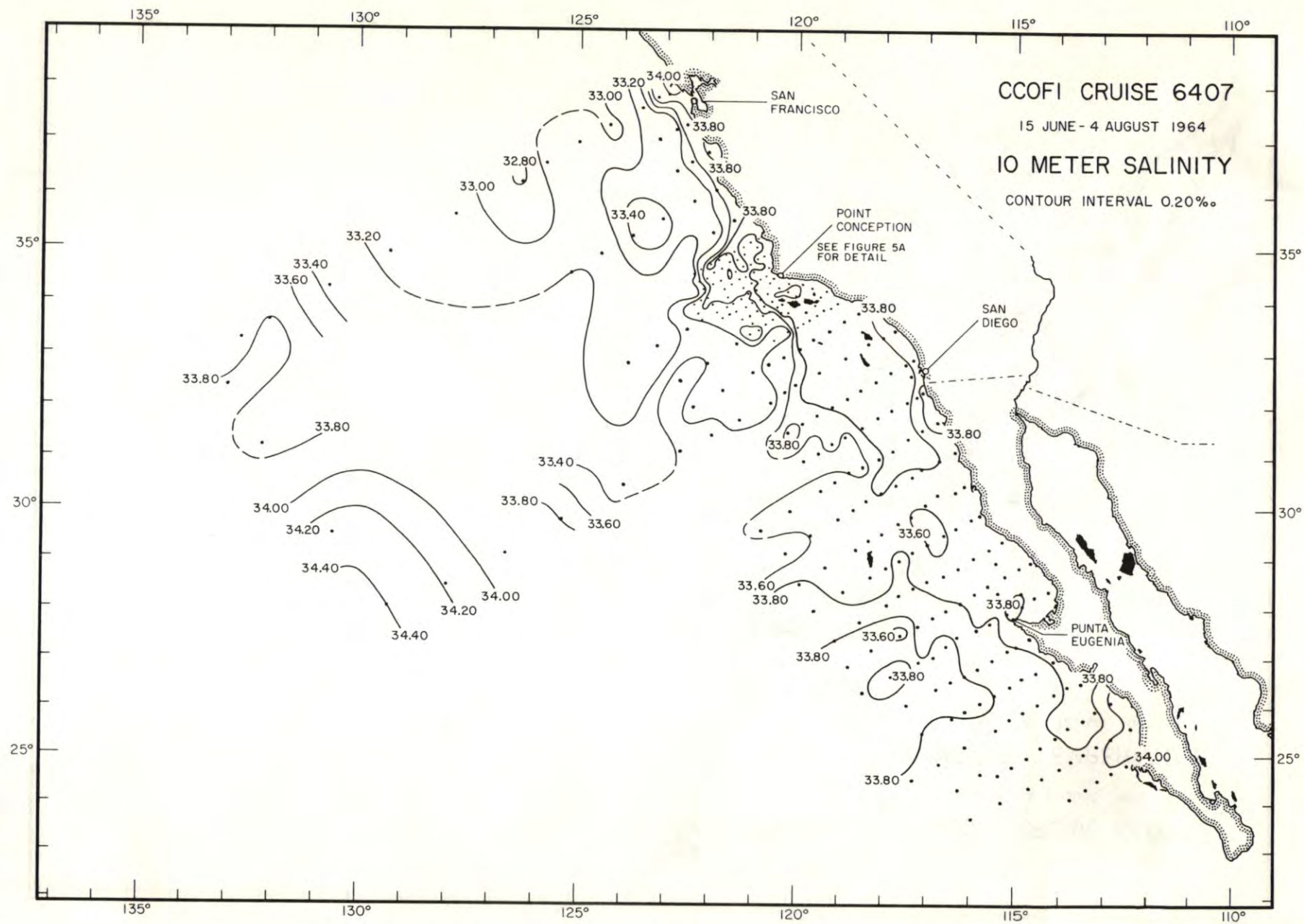


FIGURE 5

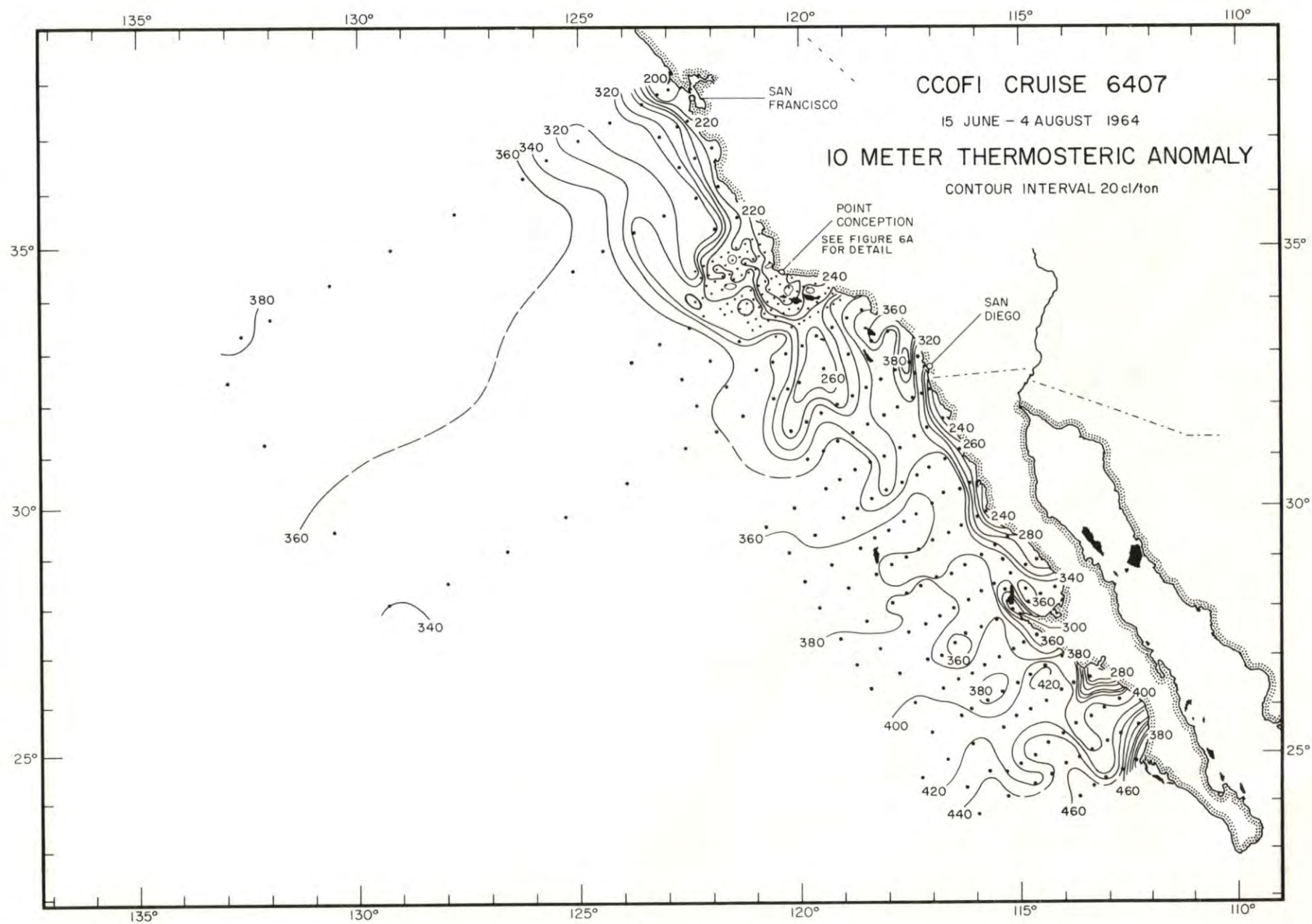


FIGURE 6

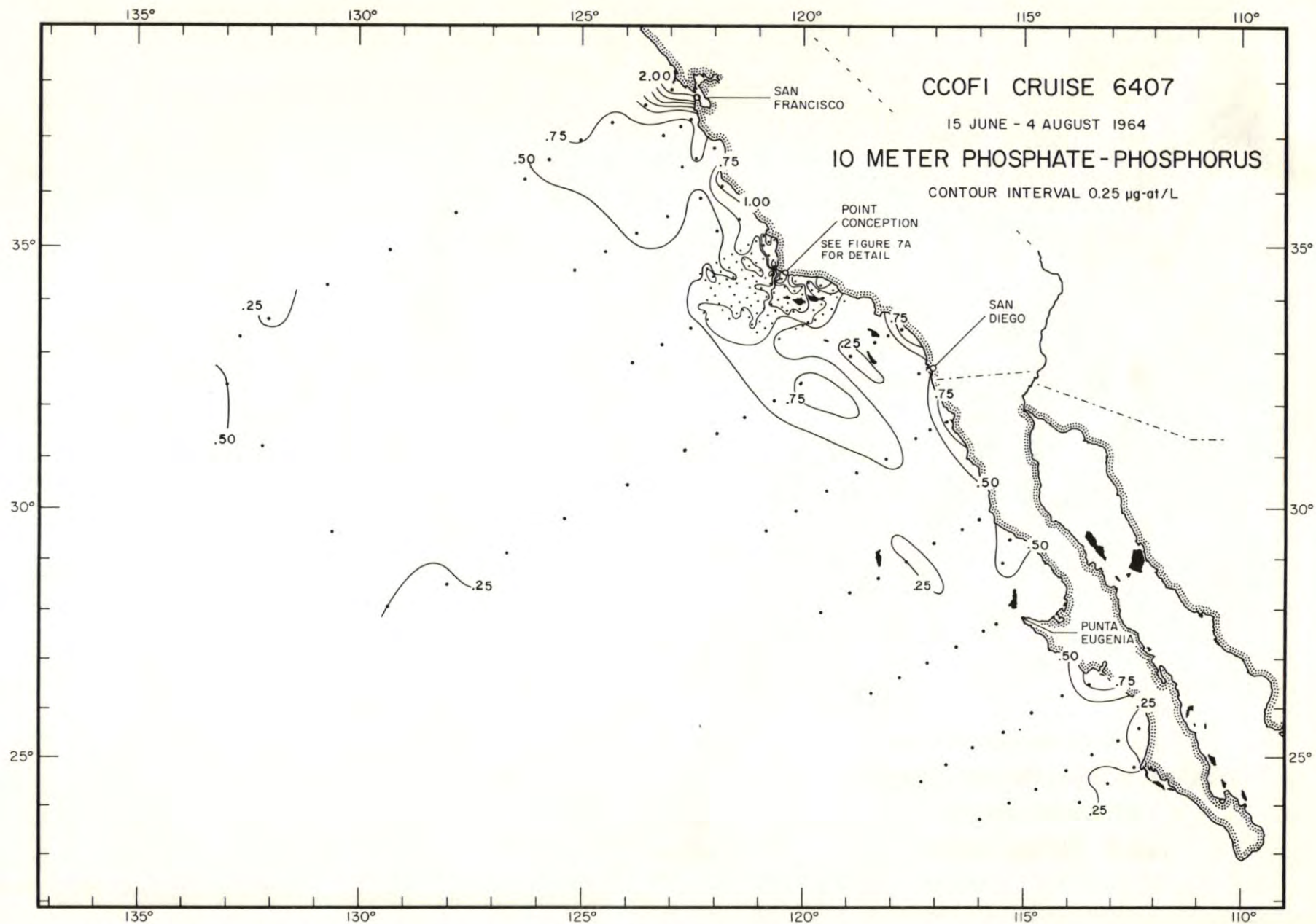


FIGURE 7

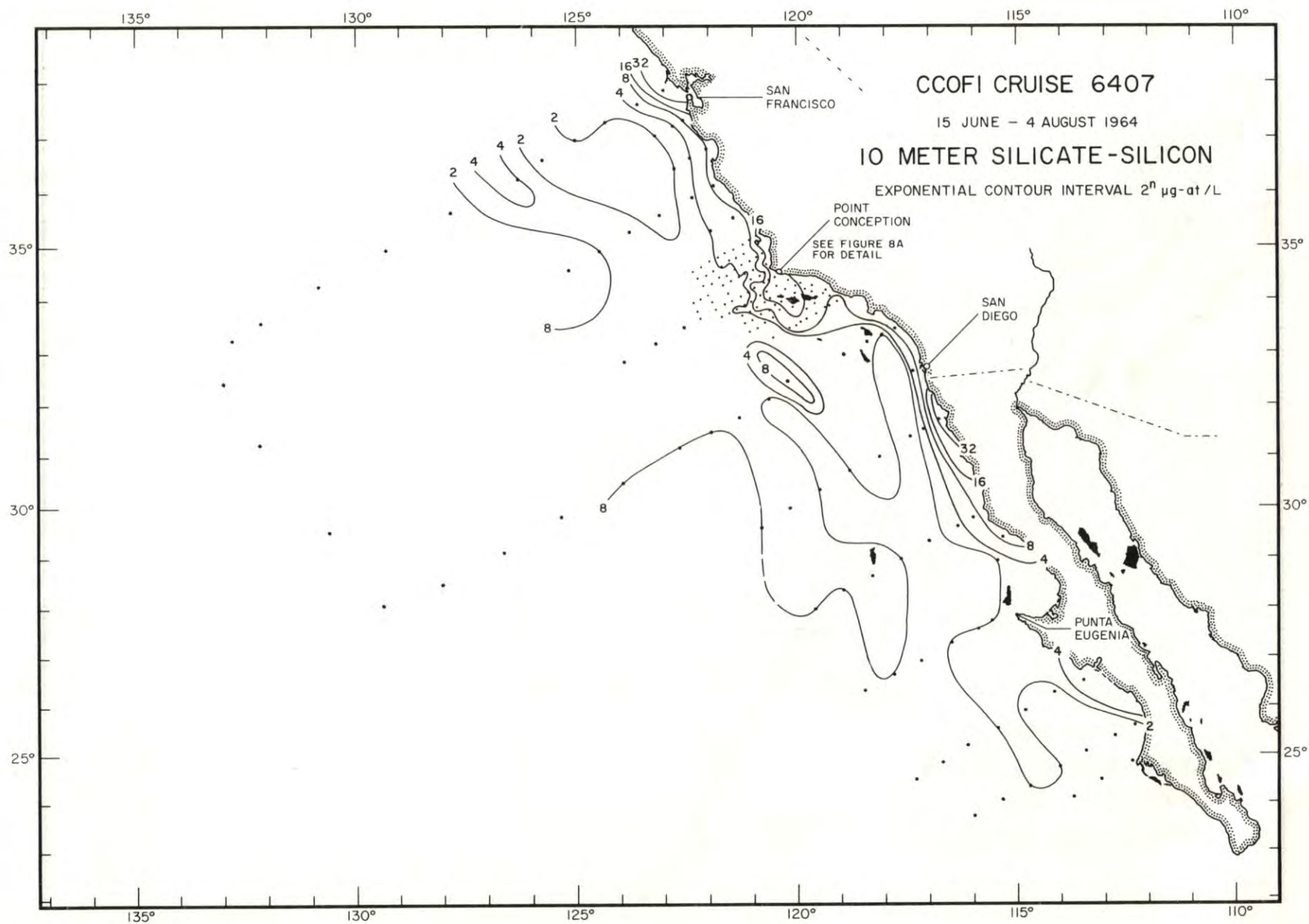


FIGURE 8

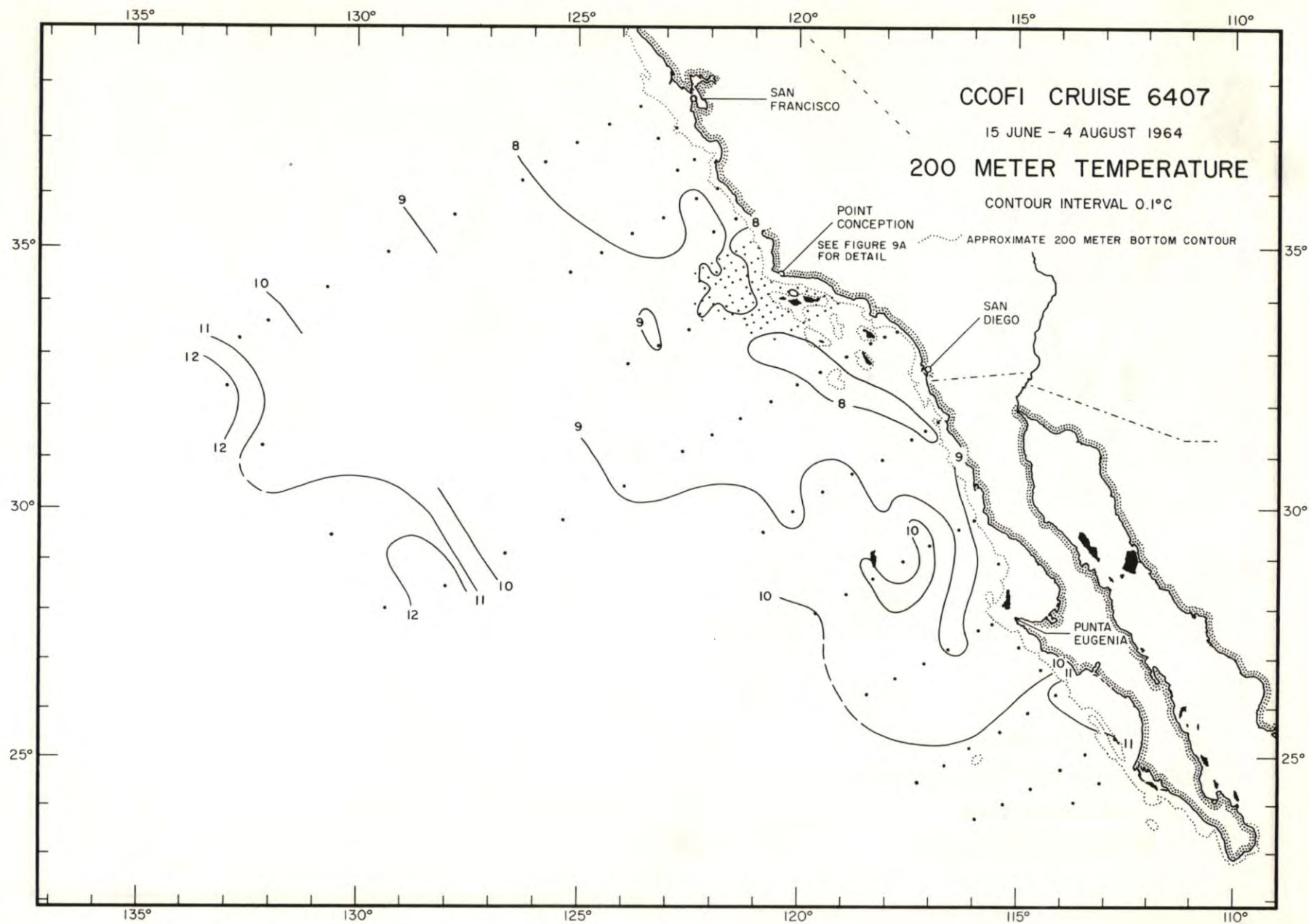


FIGURE 9

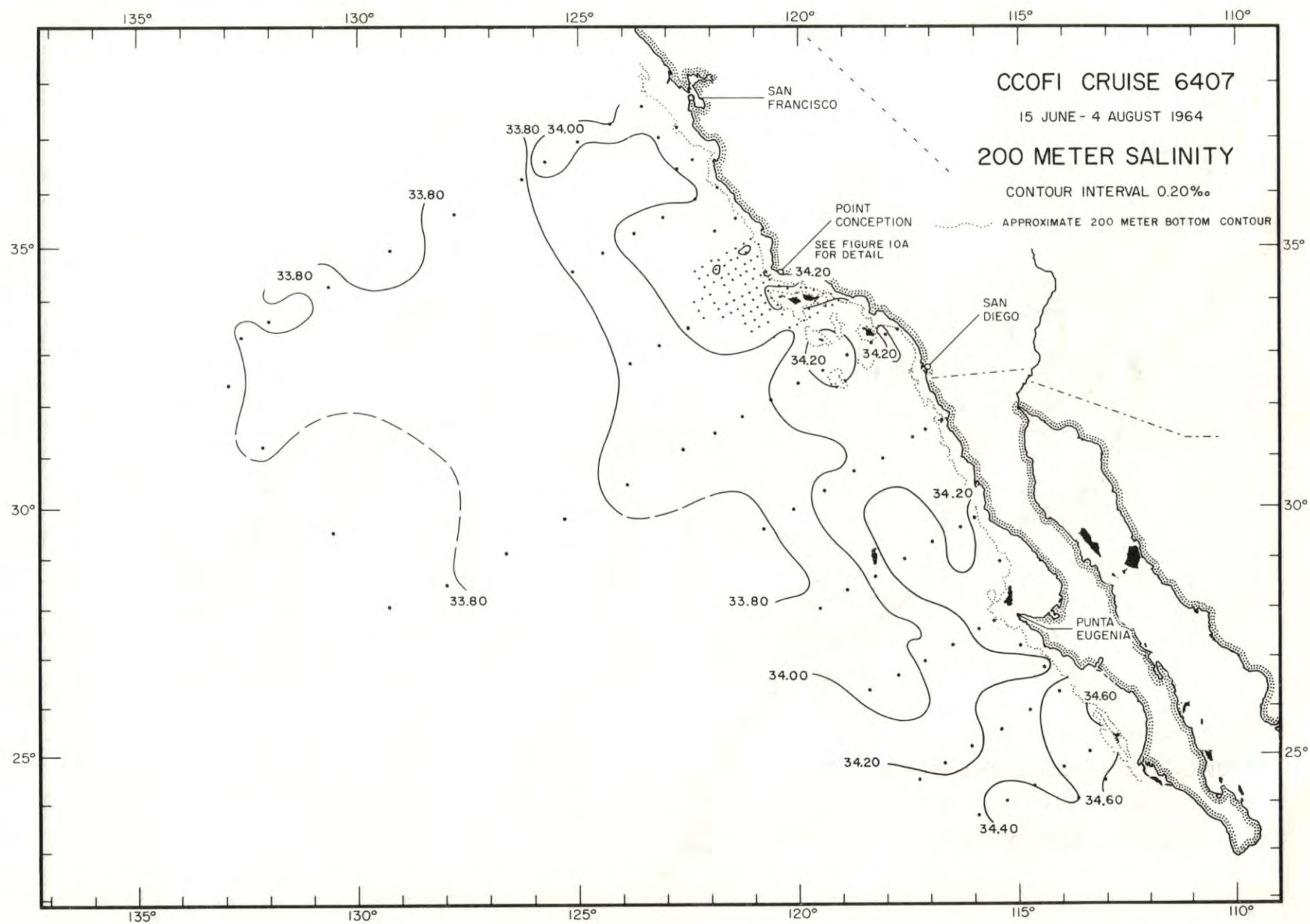


FIGURE 10

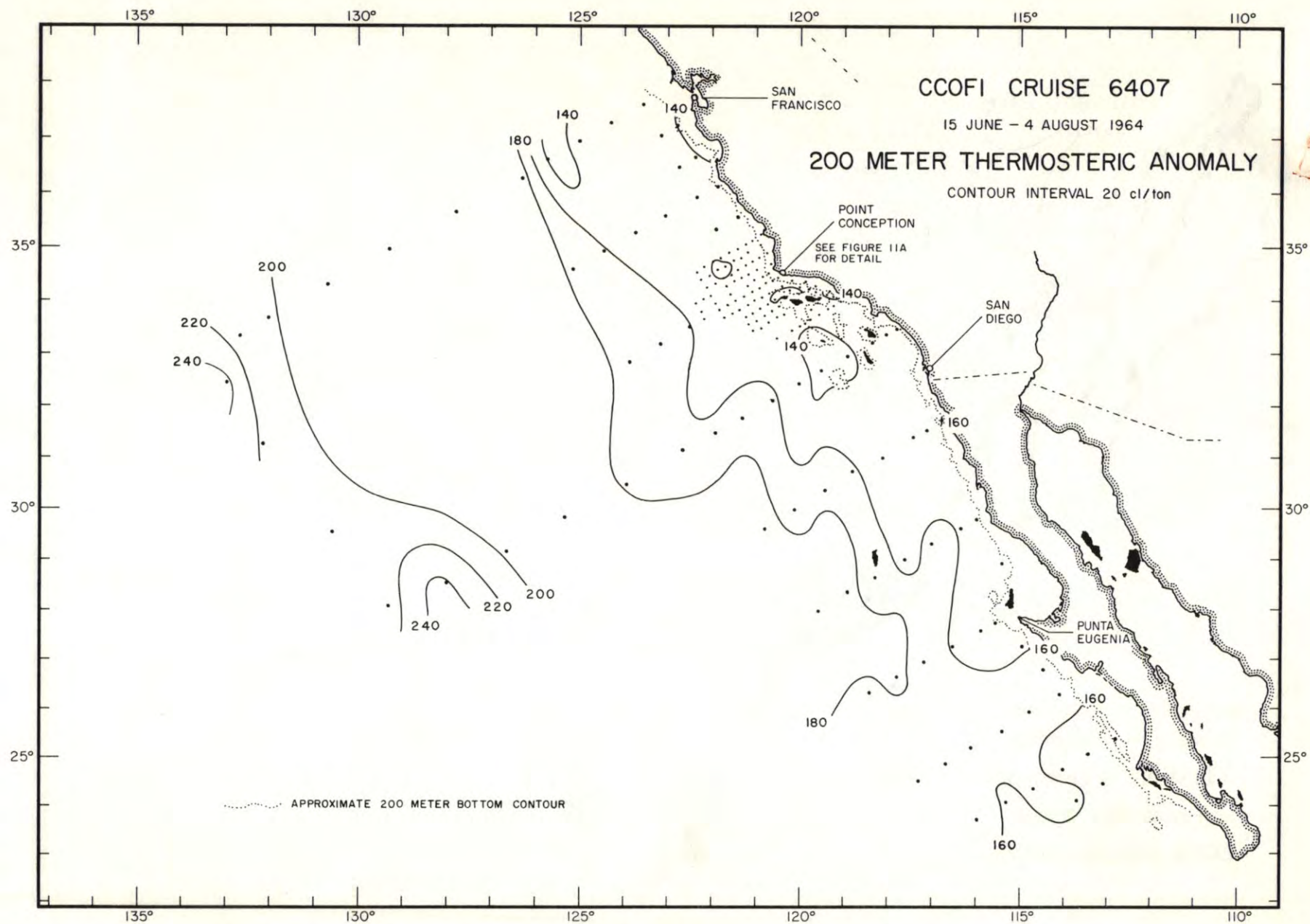


FIGURE 11

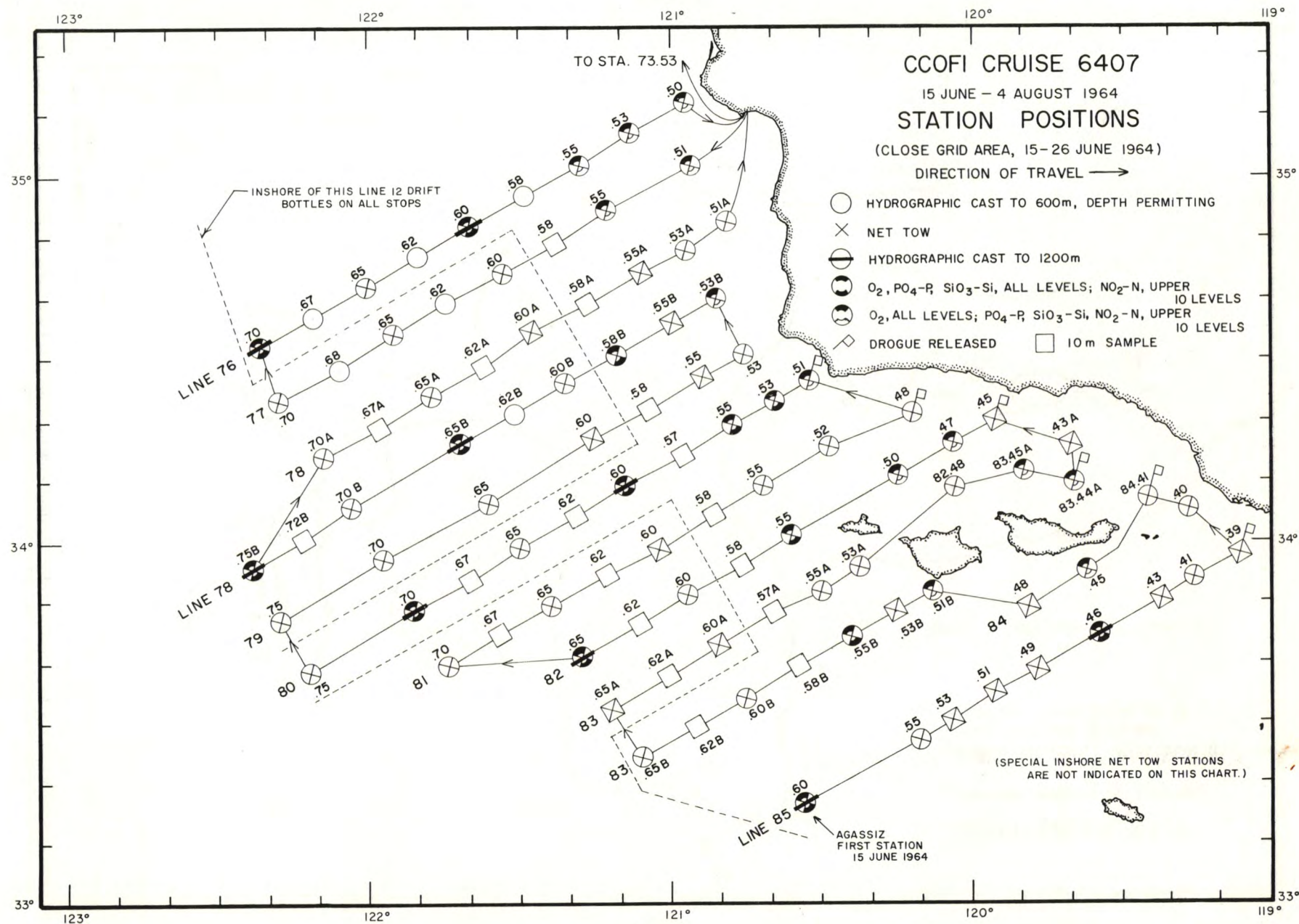
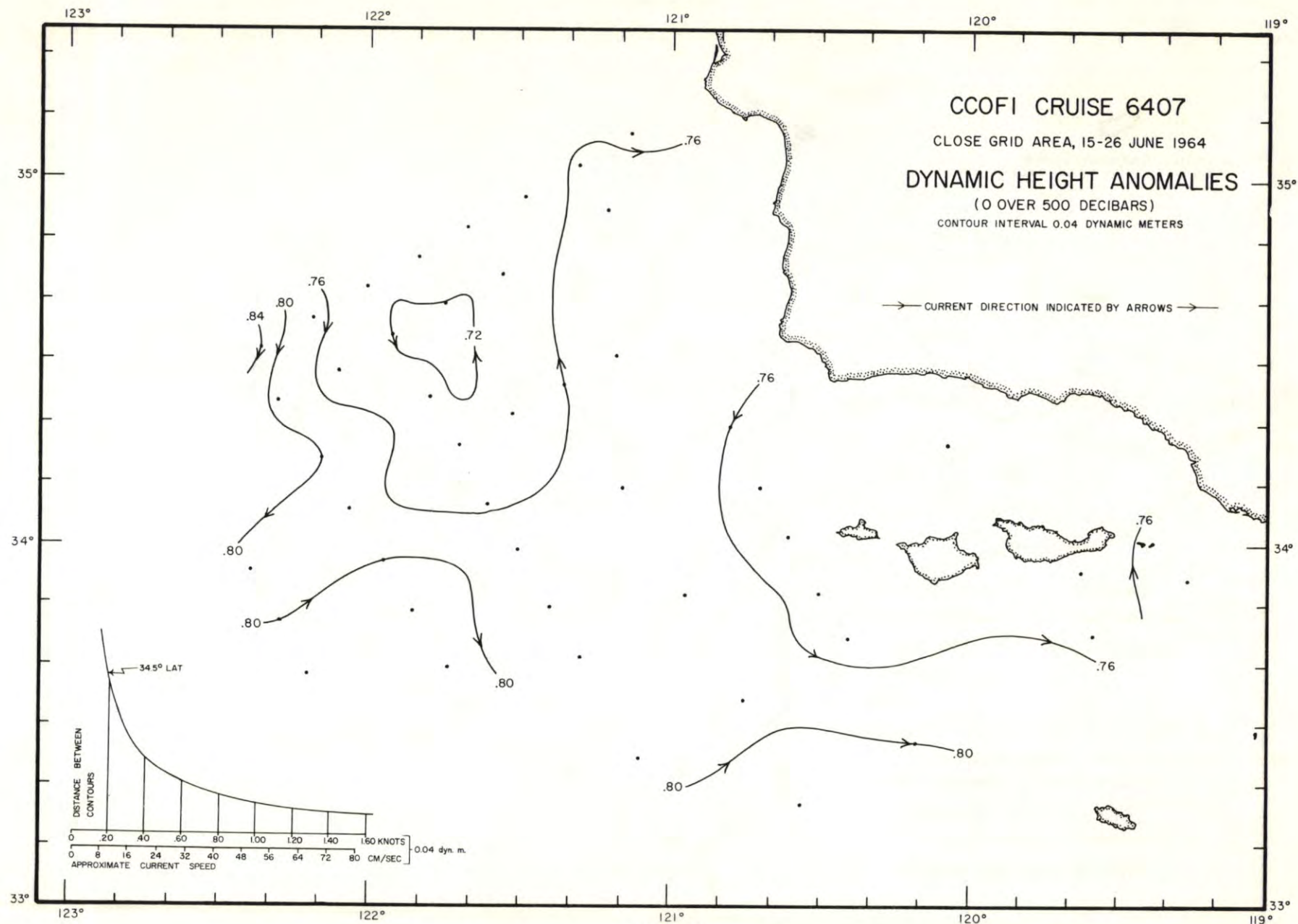


FIGURE 1A



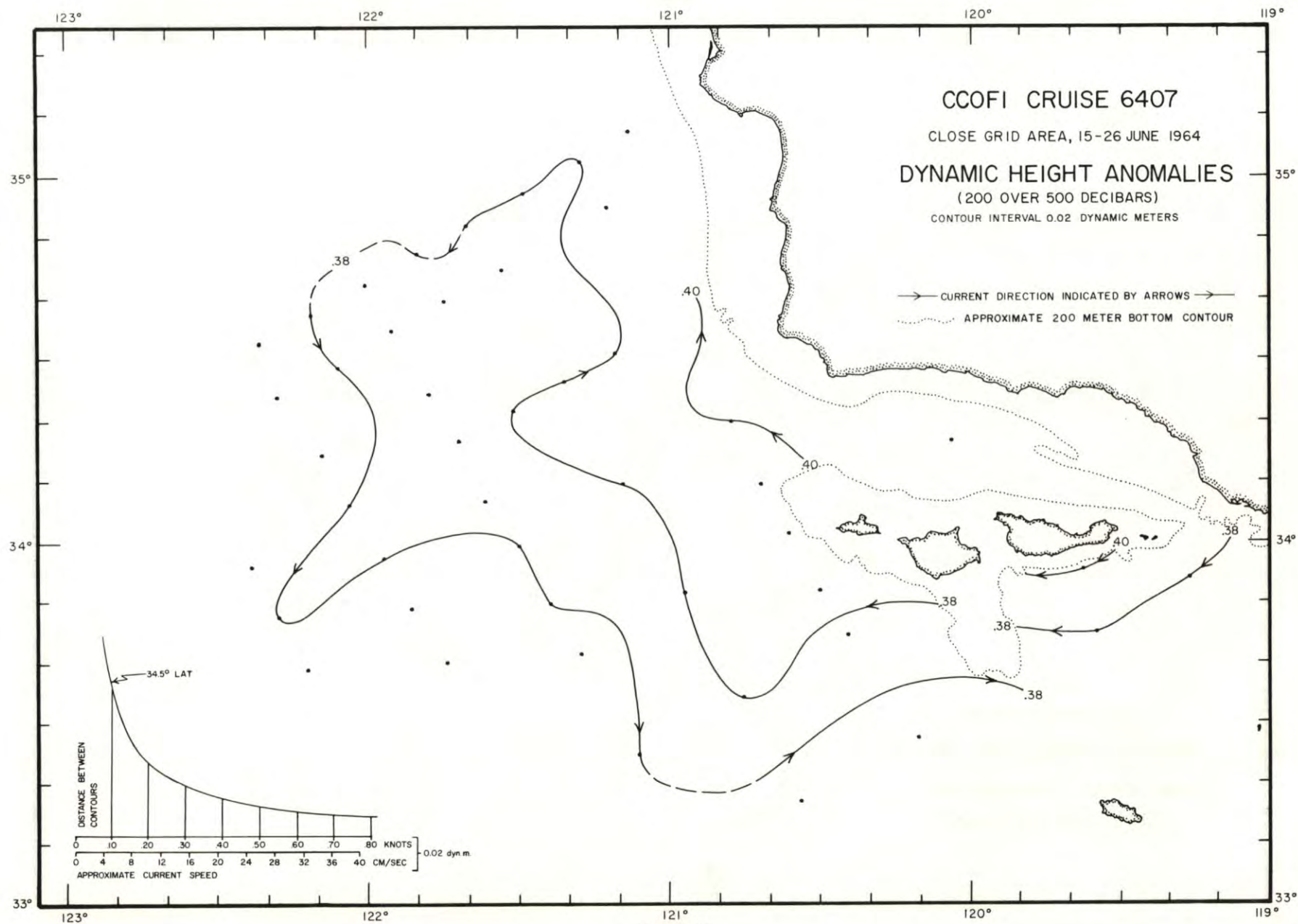


FIGURE 3A

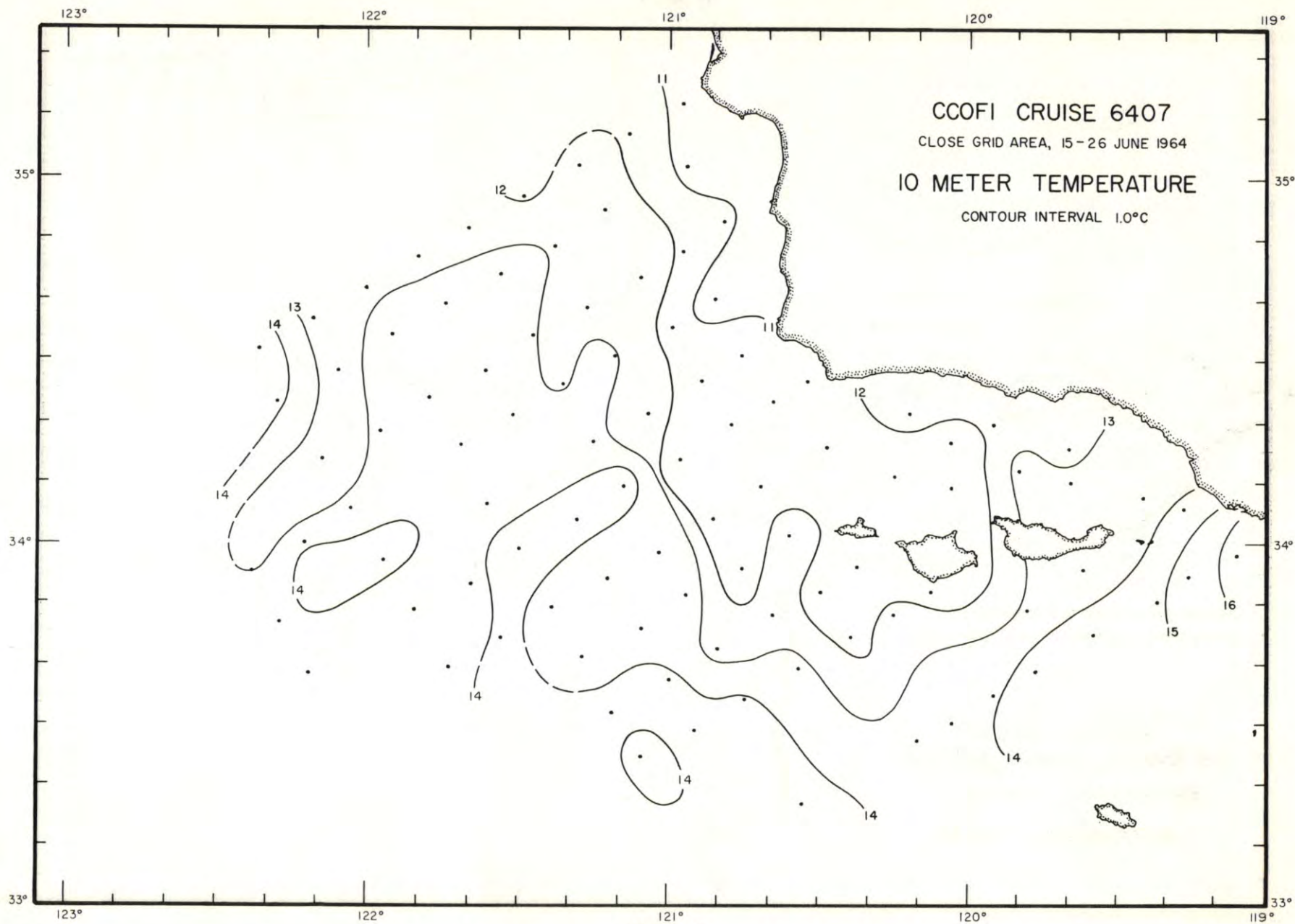


FIGURE 4A

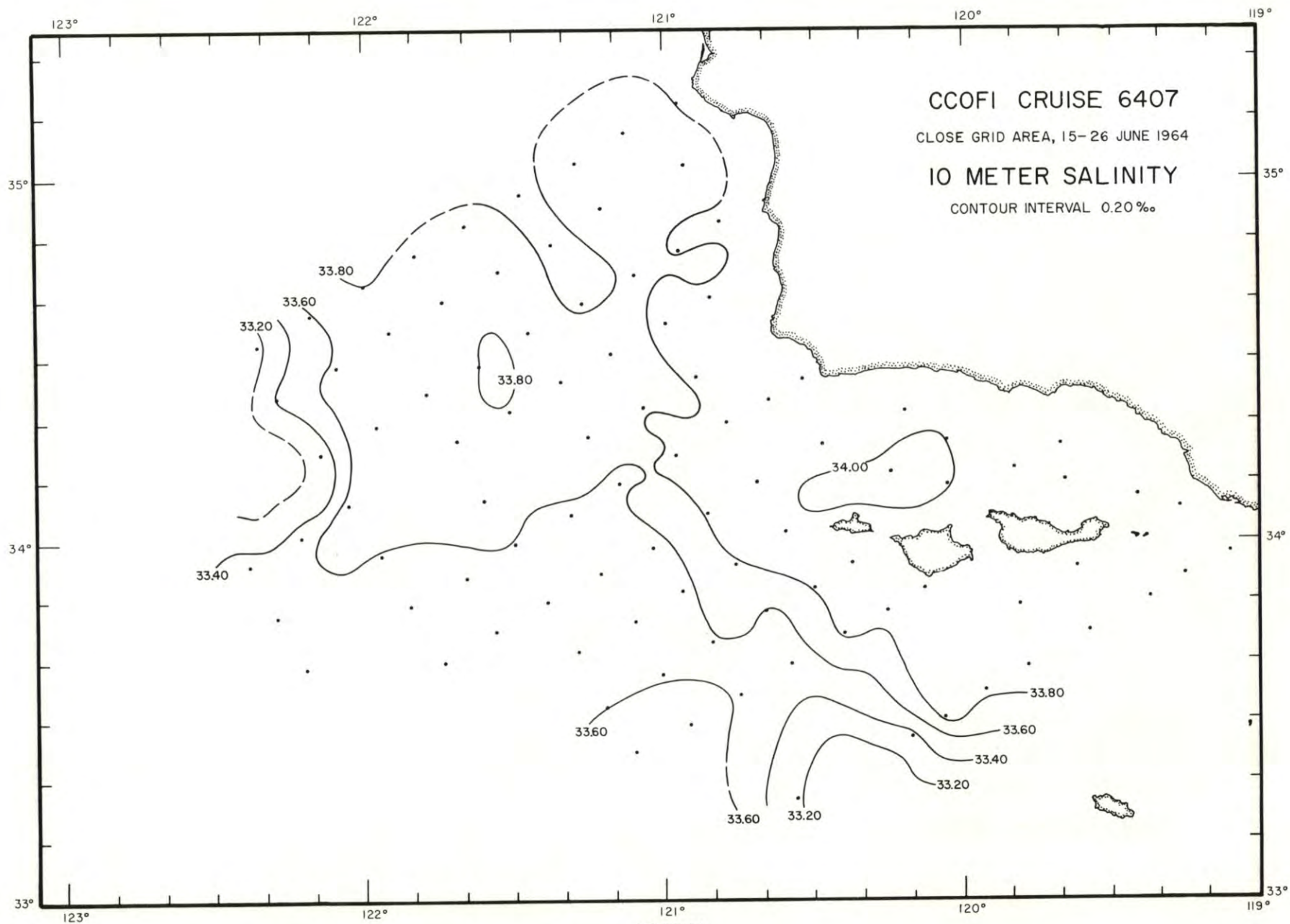
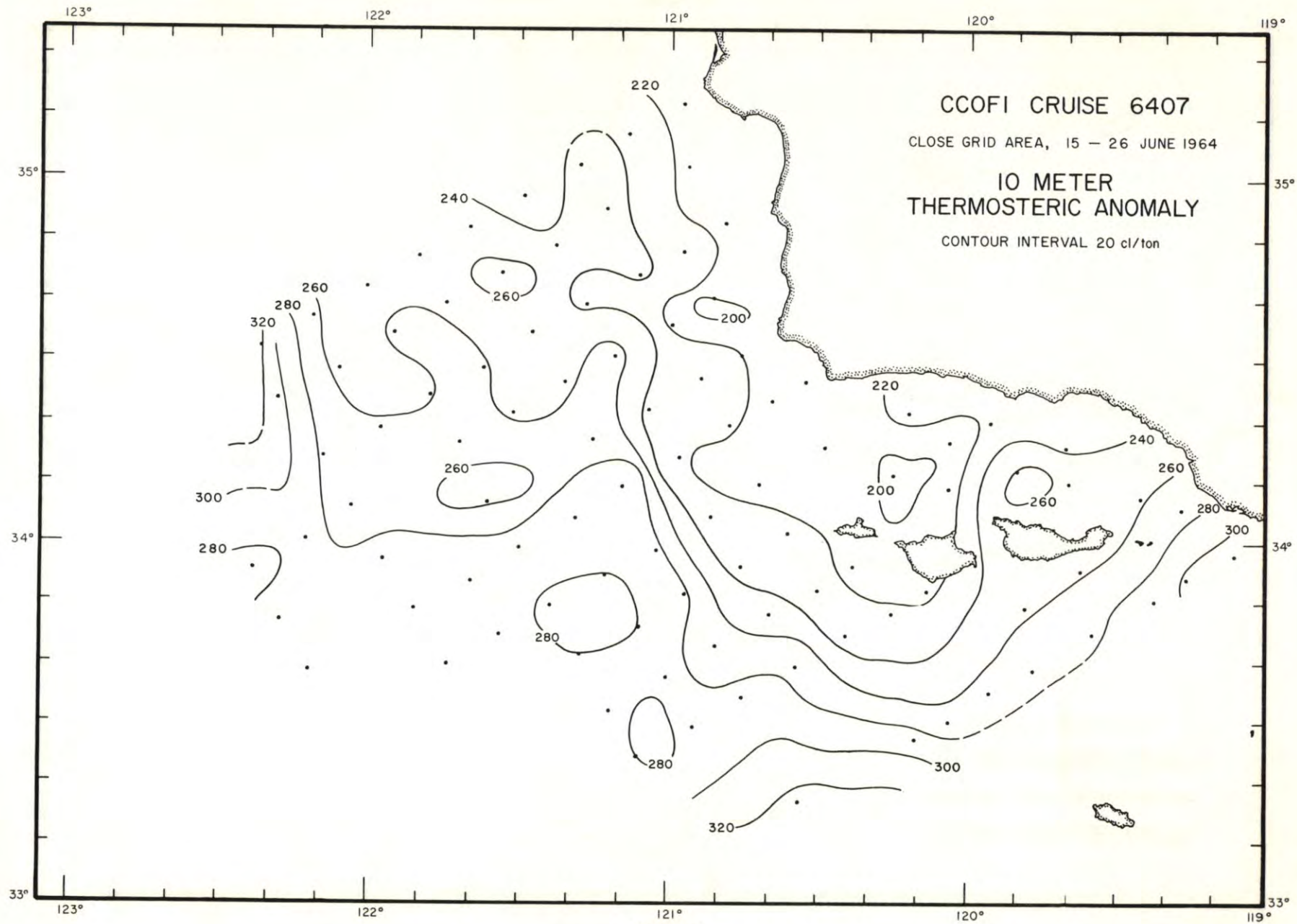


FIGURE 5A



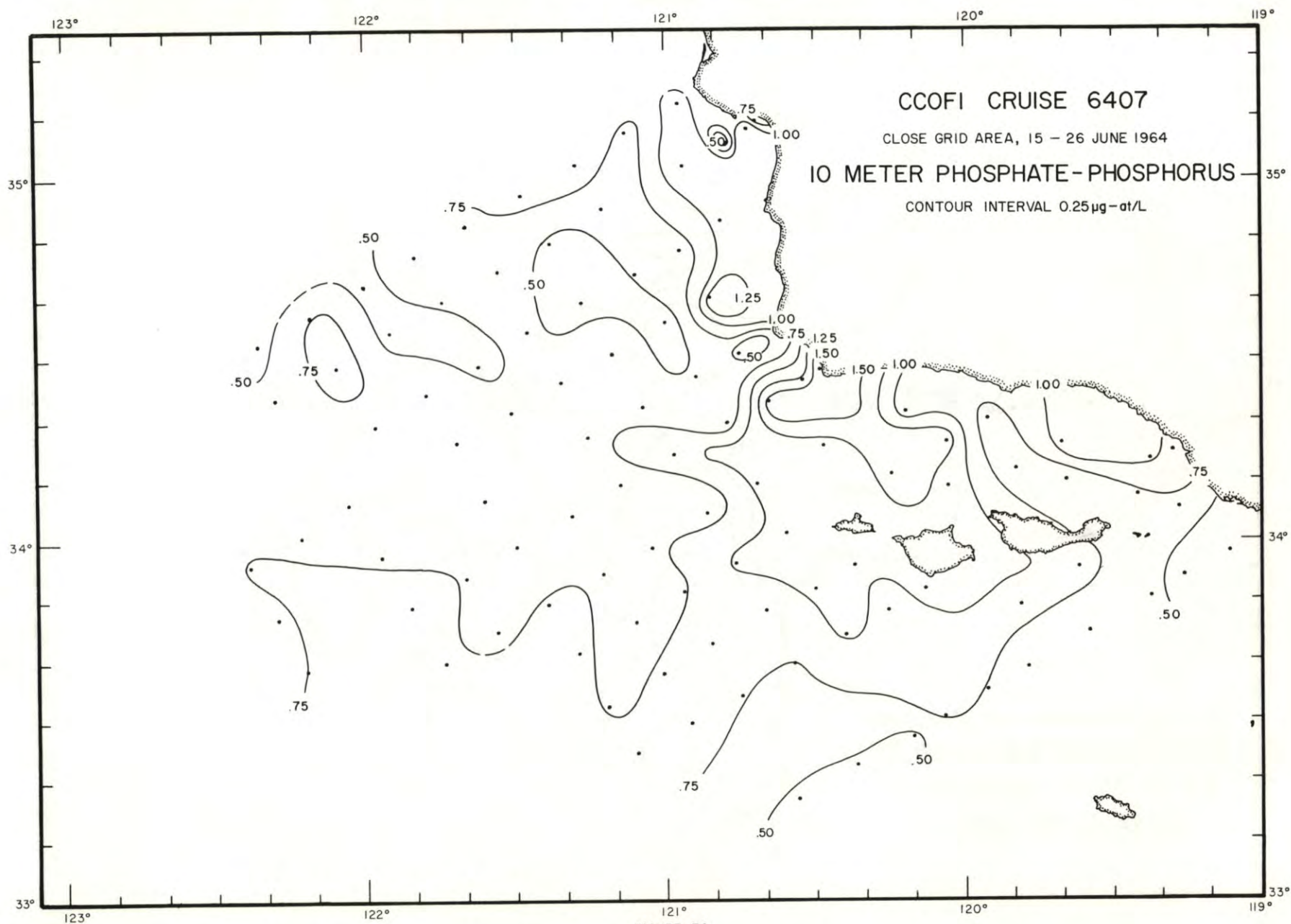


FIGURE 7A

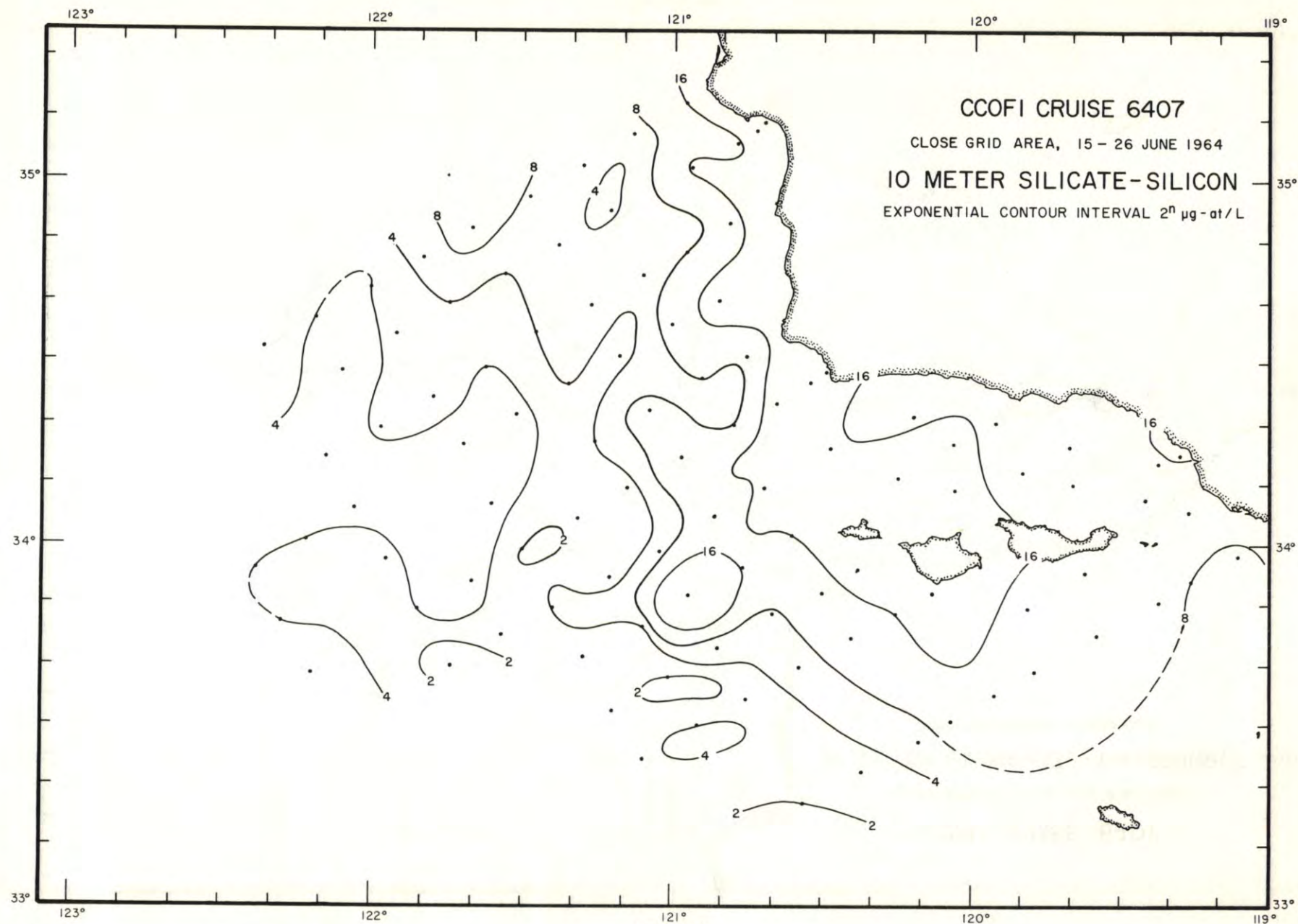


FIGURE 8A

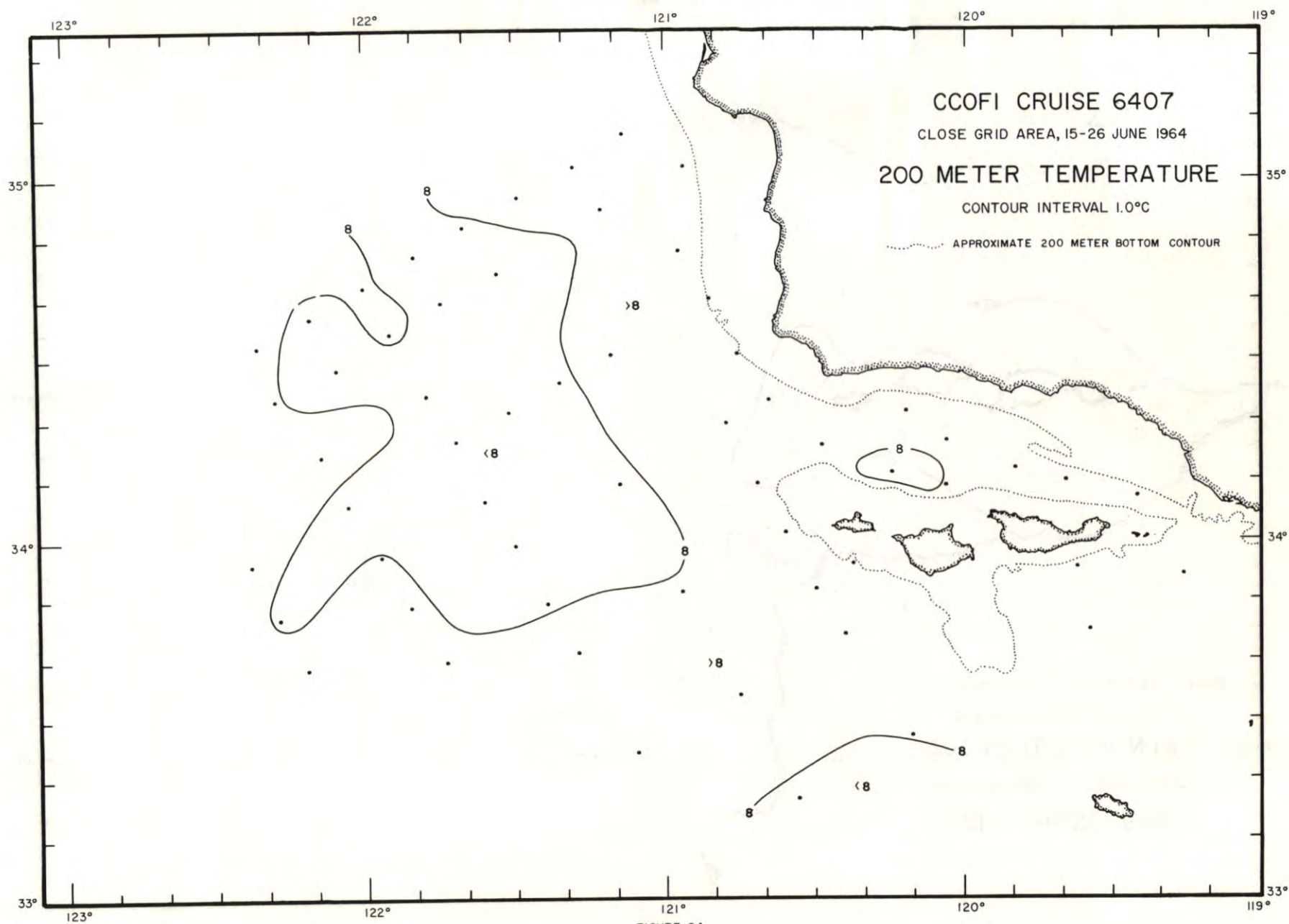


FIGURE 9A

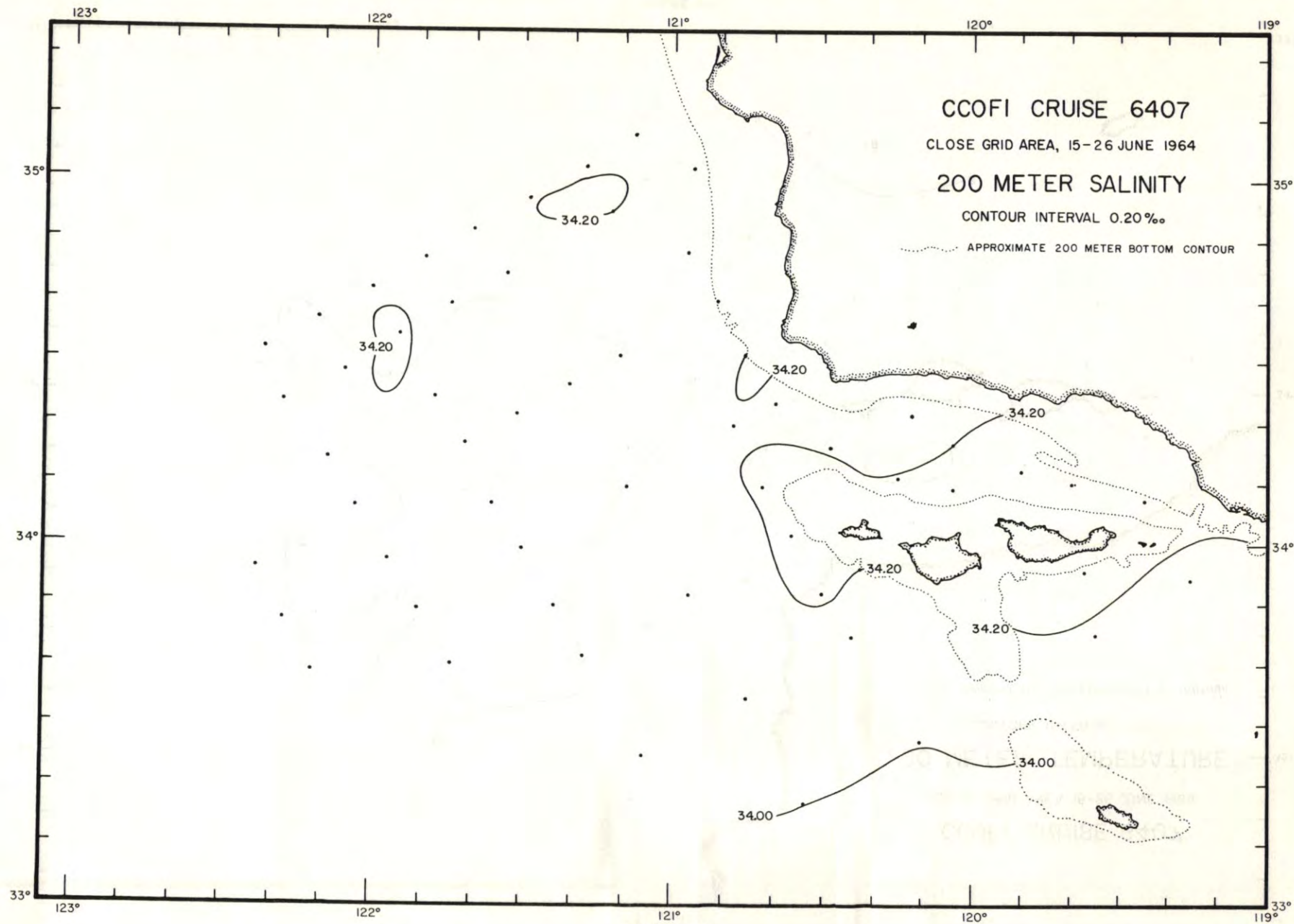


FIGURE 10A

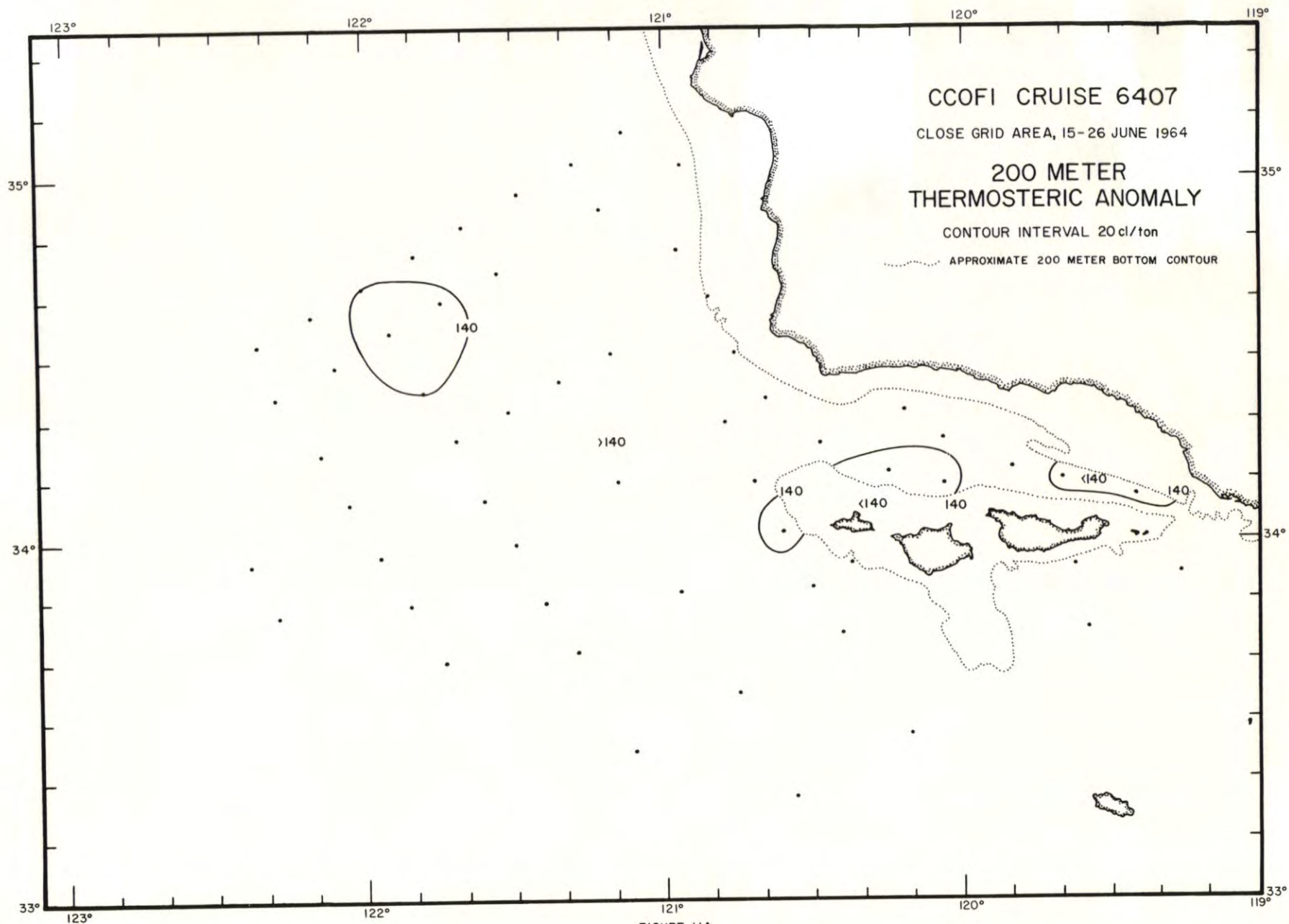


FIGURE 11A

PERSONNEL
CRUISE 6407

SHIPS' CAPTAINS

Leed, Bjarne, RV Black Douglas
Miller, Frank, RV Alexander Agassiz

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz

- *Mantyla, Arnold W., Senior Marine Technician (in charge of northern half)
- ***Mead, Richard V., Principal Marine Technician (in charge of southern half)
- *Alquist, C. Norman, Research Assistant
- Born, Barbara M., Senior Engineering Aid
- **Bryan, Walter R., Senior Marine Technician
- Crowe, Fred J., Laboratory Assistant
- Daniel, Dick A., Laboratory Helper
- *Davoll, Peter J., Marine Technician
- *Ferreira, Simon M., Marine Technician
- *Kimura, Makoto, Fishery Biologist (General), Bureau of Commercial Fisheries
- Muus, David A., Marine Technician
- Netzley, Ronald L., Marine Technician
- ***Rosendahl, Donald V., Electronics Technician
- Snideman, R. Lawrence II, Marine Technician
-
- **Wagner, Vaughn M., Biological Technician (Fisheries), Bureau of Commercial Fisheries
- Wilson, Warren E., Marine Technician
- *Wirth, David, Marine Technician

*Northern half of cruise.

**Southern half of cruise.

#From San Francisco to San Diego.

##From San Diego to San Francisco.

RV Black Douglas

Farrar, Lloyd J., Biological Technician (Fisheries), Bureau of Commercial Fisheries

Perkins, Herbert C., Biological Technician (Fisheries), Bureau of Commercial Fisheries

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT				COMPUTED				INPUT				COMPUTED			
Z	T	S	UXY	PHO	SIL	NIT	D*T	Z	T	S	UXY	SIG*T	D*T	JO	
60.52								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 3 1964, 2347 GCT, 37 53.5N 123 01.5W, SOUNDING 43 FM, WIND 280 FORCE 4, WEATHER OVERCAST, SEA RCUGH, WIRE ANGLE 10.								60.52							
0	10.84	33.995	6.27	2.11	39	0.61	197.6	0	10.84	34.00	6.27	26.05	197.2	0	
10	10.70	33.996	6.31	2.18	39	0.61	195.2	10	10.70	34.00	6.31	26.07	194.9	.020	
20	10.62	33.997	6.01	2.19	38	0.62	193.7	20	10.62	34.00	6.01	26.08	193.5	.039	
30	10.54	33.992	5.97	2.22	38	0.65	192.8	30	10.54	33.99	5.97	26.09	192.9	.058	
49	8.50	33.977	3.36	2.75	45	0.59	162.0	50	8.49	33.98	3.32	26.42	161.7	.094	
74	8.14	34.037	1.70	2.98	53	0.22	152.4	75	8.12	34.04	1.68	26.52	151.9	.134	
60.60								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 4 1964, 0410 GCT, 37 37.5N 123 37W, SOUNDING 1740 FM, WIND 320 FORCE 6, WEATHER OVERCAST, SEA HIGH, WIRE ANGLE 55.								60.60							
1	12.84	33.320	6.52	1.00	5	0.19	282.9	0	12.84	33.32	6.52	25.14	282.9	0	
8	12.82	33.316	6.70	1.03	5	0.17	282.8	10	12.80	33.31	6.69	25.14	282.9	.028	
22	11.78	33.369	6.44	1.24	9	0.23	260.0	20	12.05	33.35	6.58	25.32	266.2	.056	
27	11.38	33.391	5.98	1.24	10	0.27	251.4	30	11.40	33.43	6.10	25.50	248.9	.082	
36	11.51	33.510	6.41	1.36	11	0.26	244.9	50	10.15	33.48	5.75	25.76	224.2	.129	
45	10.72	33.480	6.08	1.45	13	0.33	233.6	75	9.46	33.80	4.18	26.13	189.6	.181	
60	9.46	33.552	5.03	1.79	22	0.39	208.0	100	8.86	33.87	3.42	26.28	175.3	.227	
71	9.46	33.762	4.30	1.96	25	0.21	192.4	125	8.37	33.94	3.23	26.41	162.9	.270	
82	9.44	33.856	3.97	2.11	27	0.30	185.2	150	8.12	34.00	2.96	26.49	154.9	.310	
98	8.92	33.874	3.43	2.13	31	0.16	175.9	200	7.49	34.04	2.45	26.62	143.1	.386	
113	8.52	33.882	3.40	-	-	-	169.4	250	7.13	34.09	1.96	26.71	134.6	.457	
134	8.28	33.972	3.09	-	-	-	159.2	300	6.60	34.10	1.68	26.79	127.0	.525	
148	8.14	33.997	2.97	-	-	-	155.4								
173	7.82	34.026	2.77	-	-	-	148.7								
205	7.42	34.046	2.39	-	-	-	141.7								
263	7.04	34.095	1.88	-	-	-	133.0								
320	6.40	34.097	1.58	-	-	-	124.7								
374	6.21	34.167	1.06	-	-	-	117.1								
60.70								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 4 1964, 0945 GCT, 37 17N 124 21W, SOUNDING 2140 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA HIGH, WIRE ANGLE 38.								60.70							
1	14.34	32.984	6.44	0.56	2	0.06	336.6	0	14.34	32.98	6.44	24.58	336.9	0	
9	14.32	32.982	6.55	0.63	2	0.05	336.3	10	14.32	32.98	6.55	24.58	336.5	.034	
29	14.22	33.034	6.47	0.70	2	0.06	330.5	20	14.28	33.00	6.53	24.61	334.2	.067	
37	13.07	33.089	6.17	0.80	5	0.13	304.2	30	14.21	33.04	6.47	24.65	329.9	.101	
48	10.85	33.051	6.22	0.93	7	0.25	267.5	50	10.76	33.05	6.21	25.32	266.0	.160	
61	9.92	33.039	5.94	1.15	11	0.21	253.2	75	9.78	33.30	5.70	25.68	231.7	.223	
80	9.94	33.420	5.59	1.63	18	0.28	225.3	100	9.07	33.50	4.74	25.95	205.9	.278	
95	9.20	33.471	4.84	1.79	23	0.29	210.0	125	8.74	33.72	4.12	26.18	184.6	.327	
110	8.92	33.600	4.59	1.91	26	0.12	196.2	150	8.45	33.88	3.60	26.35	168.5	.372	
132	8.66	33.771	3.95	2.08	31	0.00	179.7	200	7.90	34.00	2.90	26.52	151.8	.454	
155	8.38	33.903	3.50	-	-	-	165.8	250	7.14	34.04	2.47	26.66	138.4	.528	
185	8.12	33.977	-	-	-	-	156.6	300	6.55	34.06	2.00	26.76	129.4	.597	
206	7.79	34.015	2.82	-	-	-	149.1	400	5.80	34.14	1.05	26.92	114.2	.723	
242	7.26	34.038	2.54	-	-	-	140.2	500	5.32	34.21	.81	27.03	103.5	.838	
290	6.64	34.055	2.13	-	-	-	130.9								
367	6.02	34.114	1.25	-	-	-	118.8								
440	5.58	34.173	.92	-	-	-	109.2								
506	5.30	34.215	.80	-	-	-	102.9								
60.80								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 4 1964, 1507 GCT, 36 58N 125 04W, SOUNDING 2290 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA HIGH, WIRE ANGLE 08.								60.80							
1	13.94	33.187	6.41	0.75	3	0.15	314.1	0	13.94	33.18	6.41	24.81	314.3	0	
11	13.94	33.181	6.57	0.75	2	0.13	314.2	10	13.94	33.18	6.56	24.81	314.3	.031	
36	12.16	33.098	6.63	0.84	2	0.29	286.8	20	13.94	33.18	6.57	24.81	314.3	.063	
46	11.25	33.179	6.08	1.06	6	0.25	264.8	30	13.50	33.16	6.59	24.89	307.2	.094	
61	10.25	33.330	5.59	1.40	15	0.22	237.0	50	11.15	33.21	5.98	25.38	260.8	.151	
76	9.22	33.356	4.76	1.60	21	0.10	218.9	75	9.21	33.35	4.77	25.82	219.1	.211	
100	9.40	33.750	4.90	2.01	30	0.55	192.4	100	9.40	33.75	4.90	26.10	192.4	.263	
120	8.87	33.888	4.43	2.12	33	0.03	174.1	125	8.72	33.90	4.18	26.32	171.0	.309	
139	8.41	33.918	3.66	2.31	38	0.02	165.1	150	8.22	33.93	3.73	26.42	161.5	.351	
169	7.94	33.968	4.02	1.92	36	0.03	154.7	200	7.58	34.01	2.5	26.58	146.6	.430	
197	7.62	34.012	2.5	-	-	-	147.0	250	6.80	34.02	2.24	26.70	135.5	.502	
236	7.01	34.016	2.37	-	-	-	138.5	300	6.58	34.11	1.50	26.80	126.0	.569	
265	6.62	34.034	2.03	-	-	-	132.2	400	5.80	34.16	.96	26.94	112.7	.693	
314	6.56	34.141	1.30	-	-	-	123.4	500	5.28	34.23	.56	27.05	101.5	.806	
377	5.94	34.153	1.04	-	-	-	114.9	600	4.68	34.28	-	27.16	91.2	.908	
477	5.44	34.215	.60	-	-	-	104.5								
566	4.82	34.253	.55	-	-	-	94.8								
640	4.58	34.318	-	-	-	-	87.3								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT

COMPUTED

INPUT

COMPUTED

Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
60.90							CCOFI CRUISE 6407							60.90	
ALEXANDER AGASSIZ, JULY 4 1964, 1951 GCT, 36 37N 125 47W, SOUNDING 2450 FM, WIND 320 FORCE 4, WEATHER CLOUDY, SEA VERY RCLGH, WIRE ANGLE 26.															
2	14.48	33.101	6.49	0.63	2	0.13	330.8	0	14.48	33.10	6.49	24.64	330.9	U	
11	14.42	33.096	6.80	0.64	1	0.11	330.0	10	14.43	33.10	6.78	24.65	329.9	.033	
34	10.55	33.563	6.17	1.50	16	0.27	224.6	20	14.40	33.10	6.80	24.66	329.3	.066	
62	8.95	33.855	4.25	2.08	32	0.36	177.8	30	12.20	33.32	6.62	25.27	271.2	.096	
70	8.76	33.887	4.17	2.16	36	0.02	172.5	50	9.43	33.77	4.77	26.11	191.4	.143	
89	8.41	33.940	3.24	2.22	37	0.02	163.5	75	8.64	33.91	3.97	26.34	169.1	.188	
102	8.29	33.948	2.91	2.25	39	0.02	161.2	100	8.31	33.95	2.92	26.42	161.3	.230	
117	8.02	33.975	2.89	2.29	41	0.01	155.3	125	7.93	33.99	2.76	26.51	152.9	.269	
144	7.74	34.006	2.52	2.37	45	0.01	149.1	150	7.67	34.01	2.50	26.57	147.8	.308	
162	7.54	34.017	2.48	2.43	46	0.01	145.5	200	7.33	34.07	1.90	26.66	138.7	.381	
189	7.44	34.057	2.06	-	-	-	141.2	250	6.88	34.10	1.62	26.75	130.6	.450	
221	7.12	34.082	1.76	-	-	-	135.1	300	6.50	34.13	1.29	26.82	123.5	.515	
248	6.90	34.095	1.63	-	-	-	131.2	400	5.77	34.19	.74	26.96	110.1	.637	
293	6.57	34.128	1.32	-	-	-	124.5	500	5.28	34.25	.56	27.07	100.0	.747	
353	6.11	34.166	1.00	-	-	-	116.0	600	4.87	34.31	.46	27.17	91.0	.849	
445	5.52	34.213	.60	-	-	-	105.5								
531	5.16	34.271	.54	-	-	-	97.1								
603	4.86	34.311	.45	-	-	-	90.8								

60.100

CCOFI CRUISE 6407

60.100

ALEXANDER AGASSIZ, JULY 5 1964, 0029 GCT, 36 15N 126 29W, SOUNDING 2478 FM, WIND 320 FORCE 4, WEATHER CLOUDY
SEA RCLGH, WIRE ANGLE 27.

0	15.10	32.795	6.37	0.41	3	0.00	365.9	0	15.10	32.80	6.37	24.28	365.5	0	
9	15.04	32.800	6.39	0.46	4	0.00	364.3	10	15.03	32.80	6.39	24.29	364.1	.036	
32	14.86	32.857	6.29	0.43	3	-	356.4	20	14.80	32.82	6.30	24.36	357.9	.073	
60	11.02	32.992	6.09	0.79	00	0.73	274.7	30	14.84	32.85	6.29	24.37	356.5	.108	
68	10.98	33.016	6.16	0.86	7	0.68	272.2	50	11.40	32.95	6.09	25.13	284.3	.173	
86	10.57	33.063	6.14	1.01	9	0.04	261.9	75	10.94	33.03	6.16	25.27	270.5	.242	
98	10.35	33.143	5.96	1.16	11	0.04	252.4	100	10.30	33.16	5.89	25.49	250.3	.308	
111	10.10	33.221	5.65	1.31	14	0.01	242.6	125	9.93	33.28	5.79	25.64	235.5	.369	
137	9.82	33.334	5.90	1.50	18	0.01	229.8	150	9.69	33.41	5.44	25.78	222.1	.427	
153	9.66	33.431	5.32	1.59	20	0.01	220.1	200	8.84	33.69	4.50	26.14	188.4	.531	
178	9.29	33.592	4.88	-	-	-	202.4	250	8.24	33.91	3.48	26.40	163.3	.621	
208	8.72	33.731	4.33	-	-	-	183.5	300	7.58	34.00	2.85	26.57	147.3	.701	
233	8.42	33.851	3.79	-	-	-	170.2	400	6.32	34.07	1.58	26.80	125.7	.843	
276	7.96	33.978	3.05	-	-	-	154.2	500	5.64	34.14	1.00	26.94	112.4	.968	
332	7.08	34.015	2.53	-	-	-	139.5								
419	6.17	34.082	1.42	-	-	-	123.0								
499	5.65	34.137	1.01	-	-	-	112.7								
565	5.16	34.180	-	-	-	-	103.9								

60.120

CCOFI CRUISE 6407

60.120

ALEXANDER AGASSIZ, JULY 5 1964, 0839 GCT, 35 37N 127 51W, SOUNDING 2470 FM, WIND 320 FORCE 5, WEATHER CLOUDY,
SEA MODERATE, WIRE ANGLE 20.

0	16.15	33.114	6.06	0.35	2	0.00	364.7	0	16.15	33.11	6.06	24.28	365.0	0	
9	16.16	33.121	6.20	0.40	1	0.00	364.5	10	16.16	33.12	6.20	24.29	364.5	.036	
32	15.49	33.136	6.16	0.37	2	0.00	349.1	20	16.10	33.13	6.20	24.31	362.5	.073	
61	12.78	33.146	6.16	0.38	3	0.00	294.6	30	15.52	33.14	6.16	24.45	349.4	.109	
71	12.43	33.119	6.53	0.38	3	0.00	290.1	50	13.40	33.15	6.16	24.90	306.0	.174	
90	12.84	33.301	6.37	0.37	2	0.00	284.3	75	12.45	33.14	6.52	25.08	288.9	.249	
104	12.76	33.309	6.25	0.35	2	0.07	282.2	100	12.80	33.31	6.30	25.14	282.9	.321	
117	12.39	33.282	6.15	0.44	3	0.24	277.4	125	12.00	33.30	5.94	25.29	269.0	.391	
145	10.86	33.405	5.28	0.99	10	0.01	241.5	150	10.56	33.44	5.11	25.66	233.9	.454	
163	9.81	33.504	4.82	1.38	16	0.00	217.0	200	8.81	33.75	4.34	26.19	183.5	.560	
191	8.96	33.686	4.65	-	-	-	190.4	250	8.21	33.97	3.09	26.46	158.4	.648	
223	8.53	33.885	3.37	-	-	-	169.3	300	7.49	34.03	2.44	26.61	143.9	.726	
250	8.21	33.972	3.09	-	-	-	158.2	400	6.37	34.10	1.42	26.82	124.1	.865	
296	7.56	34.033	2.48	-	-	-	144.6	500	5.59	34.17	.83	26.97	109.5	.987	
356	6.78	34.064	1.86	-	-	-	132.0	600	5.19	34.27	.57	27.10	97.5	1.098	
451	5.97	34.138	1.00	-	-	-	116.4								
536	5.34	34.189	.73	-	-	-	105.3								
609	5.18	34.283	.53	-	-	-	96.4								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED	INPUT				COMPUTED			
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
60.140							CCOFI CRUISE 6407							60.140	
ALEXANDER AGASSIZ, JULY 5 1964, 1712 GCT, 34 56N 129 19W, SOUNDING 2590 FM, WIND 350 FORCE 4, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 22.															
1	16.96	33.187	6.00	0.35	1	0.00	377.2	0	16.96	33.19	6.00	24.16	377.0	0	
10	16.95	33.187	6.16	0.37	1	0.00	377.0	10	16.95	33.19	6.16	24.16	376.8	.038	
33	15.94	33.165	6.19	0.35	1	0.00	356.5	20	16.10	33.17	6.19	24.34	359.6	.075	
62	13.32	33.145	6.09	0.41	1	0.00	304.8	30	16.00	33.17	6.19	24.36	357.4	.110	
71	13.03	33.134	6.47	0.35	1	0.00	300.2	50	13.94	33.15	6.10	24.79	316.5	.178	
89	12.58	33.114	6.44	0.38	2	0.00	293.2	75	12.94	33.13	6.47	24.98	298.8	.255	
103	12.29	33.084	6.30	0.41	2	0.05	290.2	100	12.36	33.09	6.32	25.06	291.0	.330	
117	12.02	33.068	6.34	0.48	2	0.42	286.5	125	11.84	33.08	6.27	25.15	282.4	.402	
144	11.29	33.159	5.74	0.82	7	0.02	267.0	150	10.93	33.24	5.36	25.44	254.9	.470	
162	10.16	33.516	4.31	1.63	17	0.00	221.7	200	9.48	33.90	2.65	26.20	182.5	.581	
189	9.67	33.856	3.01	-	-	-	188.8	250	8.93	34.03	1.99	26.39	164.5	.670	
220	9.19	33.961	2.23	-	-	-	173.5	300	8.53	34.09	1.87	26.50	154.1	.752	
247	8.96	34.019	2.00	-	-	-	165.7	400	7.59	34.13	1.49	26.67	137.8	.904	
293	8.59	34.084	1.90	-	-	-	155.4	500	6.84	34.19	.98	26.82	123.3	1.041	
353	8.08	34.113	1.67	-	-	-	145.9	600	5.87	34.23	.69	26.98	108.3	1.165	
446	7.17	34.145	1.29	-	-	-	131.0								
528	6.67	34.209	.87	-	-	-	119.7								
599	5.88	34.227	.69	-	-	-	108.7								

60.160							CCOFI CRUISE 6407							60.160						
ALEXANDER AGASSIZ, JULY 6 1964, 0051 GCT, 34 16N 130 42W, SOUNDING 2700 FM, WIND 360 FORCE 3, WEATHER PARTLY CLOUDY, SEA RCLGH, WIRE ANGLE 13.																				
C	18.54	33.420	5.82	C.28	2	0.00	396.6	0	18.54	33.42	5.82	23.95	396.6	0						
10	17.06	33.347	6.11	0.32	2	0.00	367.8	10	17.06	33.35	6.11	24.26	367.6	.038						
29	16.53	33.358	6.05	0.29	1	0.00	355.2	20	16.77	33.35	6.08	24.32	361.1	.075						
59	15.23	33.710	5.85	0.22	2	0.00	301.6	30	16.50	33.36	6.04	24.39	354.4	.111						
68	14.84	33.657	6.27	0.22	2	0.00	297.4	50	14.91	33.56	5.86	24.90	306.0	.177						
83	14.43	33.605	6.25	0.25	-	-	292.9	75	14.50	33.62	6.26	25.04	293.2	.252						
98	14.00	33.545	6.17	0.26	2	0.00	288.7	100	13.90	33.53	6.17	25.09	287.8	.325						
112	13.49	33.465	6.19	0.32	2	-	284.6	125	13.30	33.55	6.00	25.23	274.7	.396						
136	12.64	33.629	5.61	C.60	5	0.08	256.5	150	11.23	33.61	5.40	25.67	232.7	.461						
156	10.83	33.608	5.35	0.92	9	0.02	226.0	200	9.05	33.78	4.84	26.18	184.8	.567						
186	9.58	33.725	5.16	-	-	-	197.1	250	8.09	33.96	3.63	26.47	157.4	.654						
214	8.61	33.851	4.32	-	-	-	173.0	300	7.27	33.99	3.46	26.61	143.9	.732						
242	8.21	33.952	3.66	-	-	-	159.7	400	6.08	34.06	1.9	26.82	123.6	.871						
291	7.40	33.990	3.55	-	-	-	145.6	500	5.21	34.14	1.04	26.99	107.5	.992						
344	6.69	34.012	2.47	-	-	-	134.7	600	4.82	34.21	.67	27.09	98.0	1.100						
426	5.82	34.083	1.6	-	-	-	118.7													
511	5.12	34.146	.98	-	-	-	106.0													
594	4.84	34.208	.68	-	-	-	98.3													

60.180				CCCFI CRUISE 6407												60.180			
ALEXANDER AGASSIZ, JULY 6 1964, 0854 GCT, 33 36N 132 04W, SOUNDING 2710 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 05.																			
C	18.83	33.799	5.80	0.22	3	0.00	376.0	0	18.83	33.80	5.80	24.17	375.9	0					
10	18.82	33.801	5.97	0.24	2	0.00	375.6	10	18.82	33.80	5.97	24.17	375.7	.038					
30	17.78	33.807	5.91	0.22	2	0.00	350.7	20	18.80	33.80	5.97	24.18	375.2	.075					
61	15.72	33.794	5.78	0.22	2	0.00	305.8	30	17.78	33.81	5.91	24.44	350.5	.112					
71	15.82	33.928	6.13	0.20	2	0.00	298.2	50	16.40	33.76	5.83	24.72	323.0	.179					
85	15.90	34.024	6.06	0.17	2	0.00	292.9	75	15.86	33.94	6.13	24.98	298.2	.257					
100	15.82	34.068	5.98	0.16	2	0.00	288.0	100	15.82	34.07	5.98	25.09	287.8	.331					
116	15.75	34.112	6.00	0.17	3	0.00	283.3	125	15.68	34.11	5.97	25.16	281.9	.403					
141	14.90	34.115	5.64	0.30	4	0.13	265.2	150	14.06	34.02	5.53	25.44	255.1	.471					
160	13.09	33.893	5.45	0.58	6	0.02	245.5	200	10.44	33.82	5.26	25.98	203.8	.588					
190	10.86	33.790	5.25	-	-	-	213.1	250	9.58	34.00	5.27	26.26	176.7	.686					
220	9.88	33.933	5.27	-	-	-	186.4	300	8.76	34.03	4.73	26.42	161.9	.773					
250	9.58	34.001	5.27	-	-	-	176.6	400	6.84	33.99	3.33	26.67	138.3	.929					
300	8.76	34.027	4.73	-	-	-	162.2	500	5.45	34.02	2.06	26.87	119.2	1.063					
355	7.66	34.008	3.93	-	-	-	147.8	600	4.86	34.13	.98	27.02	104.4	1.181					
439	6.20	33.983	2.84	-	-	-	130.8												
523	5.24	34.044	1.76	-	-	-	115.0												
609	4.82	34.137	.89	-	-	-	103.5												

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPLT							COMPUTED							INPUT							COMPUTED							
Z	T	S	XY	PHQ	SIL	NIT	D*T	Z	T	S	XY	SIG*T	D*T	DD	Z	T	S	XY	SIG*T	D*T	DD	Z	T	S	XY	SIG*T	D*T	DD
60.190							CCOFI CRUISE 6407							60.190														
ALEXANDER AGASSIZ, JULY 6 1964, 1335 1530 GCT, 33 17N 132 42.5W, SOUNDING 2670 FM, WIND 010 FORCE 3, WEATHER OVERCAST, SEA MCCRATE, WIRE ANGLE 07 13.																												
C	18.80	33.695	5.75	0.34	2	0.00	382.8	0	18.80	33.70	5.75	24.10	382.4	0	0	18.80	33.70	5.75	24.10	382.4	0	0	18.80	33.70	5.75	24.10	382.4	0
10	18.78	33.689	5.88	0.30	2	0.00	382.8	10	18.78	33.69	5.88	24.10	382.7	.038	10	18.78	33.69	5.88	24.10	382.7	.038	10	18.78	33.69	5.88	24.10	382.7	.038
30	17.34	33.698	5.90	0.30	2	0.00	348.5	20	17.73	33.70	5.90	24.36	357.3	.075	20	17.73	33.70	5.90	24.36	357.3	.075	20	17.73	33.70	5.90	24.36	357.3	.075
60	15.06	33.658	5.75	0.27	2	0.00	301.9	30	17.34	33.70	5.90	24.46	348.4	.111	30	17.34	33.70	5.90	24.46	348.4	.111	30	17.34	33.70	5.90	24.46	348.4	.111
80	14.98	33.725	6.09	0.21	2	0.00	295.3	50	15.65	33.67	5.80	24.82	313.4	.177	50	15.65	33.67	5.80	24.82	313.4	.177	50	15.65	33.67	5.80	24.82	313.4	.177
94	15.32	33.852	6.02	0.23	2	0.00	290.2	75	14.98	33.70	6.04	24.99	297.2	.254	75	14.98	33.70	6.04	24.99	297.2	.254	75	14.98	33.70	6.04	24.99	297.2	.254
108	15.66	34.075	5.92	0.20	2	0.00	284.0	100	15.50	33.98	5.98	25.10	287.6	.328	100	15.50	33.98	5.98	25.10	287.6	.328	100	15.50	33.98	5.98	25.10	287.6	.328
132	16.04	34.317	5.85	0.17	2	0.00	274.5	125	15.83	34.22	5.88	25.21	277.1	.399	125	15.83	34.22	5.88	25.21	277.1	.399	125	15.83	34.22	5.88	25.21	277.1	.399
152	16.27	34.426	5.70	0.18	3	0.07	271.6	150	16.27	34.43	5.72	25.27	271.3	.469	150	16.27	34.43	5.72	25.27	271.3	.469	150	16.27	34.43	5.72	25.27	271.3	.469
176	12.47	33.803	5.45	0.65	6	0.02	240.5	200	10.84	33.79	5.32	25.88	212.7	.592	200	10.84	33.79	5.32	25.88	212.7	.592	200	10.84	33.79	5.32	25.88	212.7	.592
205	10.61	33.794	5.29	1.00	11	-	208.6	250	9.34	33.93	5.02	26.25	178.1	.692	250	9.34	33.93	5.02	26.25	178.1	.692	250	9.34	33.93	5.02	26.25	178.1	.692
268	8.98	33.966	4.88	1.44	21	-	170.0	300	8.50	33.99	4.50	26.43	161.1	.779	300	8.50	33.99	4.50	26.43	161.1	.779	300	8.50	33.99	4.50	26.43	161.1	.779
340	7.96	33.992	4.07	1.79	32	-	153.2	400	6.92	33.99	3.37	26.66	139.3	.935	400	6.92	33.99	3.37	26.66	139.3	.935	400	6.92	33.99	3.37	26.66	139.3	.935
436	6.38	33.986	2.93	2.45	51	-	132.8	500	5.76	34.03	2.00	26.84	122.0	1.072	500	5.76	34.03	2.00	26.84	122.0	1.072	500	5.76	34.03	2.00	26.84	122.0	1.072
532	5.44	34.066	1.57	2.94	72	-	115.6	600	4.80	34.12	1.19	27.02	104.5	1.191	600	4.80	34.12	1.19	27.02	104.5	1.191	600	4.80	34.12	1.19	27.02	104.5	1.191
628	4.58	34.137	1.05	3.17	90	-	100.9	700	4.30	34.21	.66	27.15	92.6	1.296	700	4.30	34.21	.66	27.15	92.6	1.296	700	4.30	34.21	.66	27.15	92.6	1.296
748	4.19	34.259	.55	3.39	104	-	87.8	800	4.09	34.31	.56	27.25	83.0	1.391	800	4.09	34.31	.56	27.25	83.0	1.391	800	4.09	34.31	.56	27.25	83.0	1.391
871	3.98	34.363	.56	3.43	113	-	77.9	1000	3.64	34.43	.58	27.39	69.6	1.559	1000	3.64	34.43	.58	27.39	69.6	1.559	1000	3.64	34.43	.58	27.39	69.6	1.559
1018	3.60	34.439	.58	3.46	122	-	68.5	1200	3.20	34.50	.96	27.49	60.3	1.705	1200	3.20	34.50	.96	27.49	60.3	1.705	1200	3.20	34.50	.96	27.49	60.3	1.705
1161A	3.28	34.490	.90	3.33	127	-	61.7	1500	2.65	34.56	1.30	27.59	51.0	1.898	1500	2.65	34.56	1.30	27.59	51.0	1.898	1500	2.65	34.56	1.30	27.59	51.0	1.898
1167	3.29	34.492	.85	3.37	130	-	61.7	2000	1.99	34.62	2.00	27.69	41.3	2.173	2000	1.99	34.62	2.00	27.69	41.3	2.173	2000	1.99	34.62	2.00	27.69	41.3	2.173
1369A	2.88	34.535	1.14	3.24	132	-	54.8	2500	1.71	34.65	2.52	27.74	37.0	2.413	2500	1.71	34.65	2.52	27.74	37.0	2.413	2500	1.71	34.65	2.52	27.74	37.0	2.413
1610A	2.46	34.579	1.45	3.05	146	-	48.1	3000	1.59	34.67	2.97	27.76	34.6	2.640	3000	1.59	34.67	2.97	27.76	34.6	2.640	3000	1.59	34.67	2.97	27.76	34.6	2.640
1859A	2.13	34.577U	1.47U	3.19U	147U	-	45.6	4000	1.51	34.69	3.49	27.78	32.6	3.088	4000	1.51	34.69	3.49	27.78	32.6	3.088	4000	1.51	34.69	3.49	27.78	32.6	3.088
2106A	1.89	34.633	2.12	3.00	157	-	39.6																					
2353A	1.79	34.651	2.41	2.95	157	-	37.5																					
2599A	1.68	34.649	2.58	2.88	159	-	36.9																					
2797A	1.64	34.666	2.73	2.73	160	-	35.3																					
2994A	1.59	34.673	2.96	2.80	159	-	34.4																					
3191A	1.55	34.687	3.18	2.80	159	-	33.1																					
3388A	1.52	34.680	3.27	2.75	156	-	33.4																					
3586A	1.49	34.680	3.36	2.76	153	-	33.2																					
3782A	1.50	34.684	3.42	2.74	150	-	32.9																					
3929A	1.52	34.684	3.46	2.73	152	-	33.1																					
4076A	1.51	34.687	3.52	2.72	149	-	32.8																					
4272A	1.52	34.687	3.60	2.70	147	-	32.9																					
4469A	1.53	34.690	3.66	2.68	144	-	32.7																					
4665A	1.56	34.691	3.66	2.71	142	-	32.8																					
4864A	1.58	34.690	3.71	2.70	143	-	33.0																					
4963A	1.60	34.689	3.75	2.67	144	-	33.3																					

63.52	CCCFI CRUISE 6407													63.52
ALEXANDER AGASSIZ, JUNE 30 1964, 2150 GCT, 37 18.5N 122 36.5W, SOUNDING 48 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 13.														
C	11.58	33.769	6.72	0.84	7	0.26	227.0	0	11.58	33.77	6.72	25.73	226.9	0
10	11.48	33.775	6.92	0.81	8	0.25	224.8	10	11.48	33.78	6.92	25.76	224.5	.023
20	11.21	33.874	7.02	0.73	9	0.20	212.8	20	11.21	33.87	7.02	25.88	213.1	.044
29	10.60	33.897	5.46	1.33	15	0.21	200.8	30	10.54	33.90	5.29	26.02	199.6	.065
49	8.90	33.992	1.77	2.97	37	0.28	166.8	50	8.86	33.99	1.67	26.37	166.4	.102
73	8.37	34.012	.60	3.54	58	0.59	157.5	75	8.35	34.01	.58	26.47	157.4	.143

63.55	CCOFI CRUISE 6407													63.55
ALEXANDER AGASSIZ, JUNE 30 1964, 2131 GCT, 37 12.5N 122 49.5W, SOUNDING 145 FM, WIND 310 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 23.														
1	13.97	33.362	6.41	0.56	2	0.07	301.5	0	13.97	33.36	6.41	24.95	301.7	0
10	13.71	33.359	6.63	0.57	3	0.08	296.7	10	13.71	33.36	6.63	25.00	296.6	.030
28	11.02	33.474	6.35	1.06	9	0.26	239.1	20	13.00	33.42	6.60	25.19	278.6	.059
42	9.64	33.509	4.74	1.49	17	0.37	214.0	30	11.00	33.48	6.32	25.61	238.3	.085
50	9.45	33.602	4.56	1.67	21	0.06	204.1	50	9.45	33.60	4.56	25.97	204.3	.129
64	9.86	33.763	4.72	1.88	23	0.36	198.7	75	9.59	33.80	4.40	26.10	191.7	.179
77	9.54	33.810	4.34	1.94	26	0.35	190.1	100	9.03	33.90	3.70	26.27	175.6	.225
96	9.15	33.888	3.80	2.14	29	0.39	178.3	125	8.27	33.96	2.93	26.44	160.0	.268
118	8.41	33.936	3.10	2.20	33	0.02	163.8	150	7.90	34.04	2.49	26.56	148.8	.307
138	8.06	34.015	2.66	2.31	39	0.02	152.9	200	7.43	34.07	2.10	26.65	140.1	.380
169	7.70	34.053	2.32	-	-	-	145.0							
197	7.44	34.065	2.14	-	-	-	140.6							
238	7.40	34.113	1.56	-	-	-	136.5							

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED	INPUT				COMPUTED		
Z	T	S	GXY	PHO	SIL	NIT	D*T	Z	T	S	GXY	SIG*T	D*T	DD
63.60							CCCFI CRUISE 6407	63.60						
ALEXANDER AGASSIZ, JUNE 30 1964, 1834 GCT, 37 02.5N 123 11.5W, SOUNDING 1385 FM, WIND 320 FORCE 5, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 23.														
1	14.02	33.320	6.36	0.60	2	0.08	305.6	0	14.02	33.32	6.36	24.91	305.6	0
10	13.96	33.311	6.70	0.61	2	0.09	305.1	10	13.96	33.31	6.70	24.91	305.1	.031
33	12.66	33.468	6.48	0.87	4	0.20	268.7	20	13.90	33.31	6.70	24.92	304.0	.061
42	11.38	33.451	5.58	1.14	9	0.34	244.0	30	13.05	33.42	6.58	25.18	279.5	.090
56	10.20	33.547	5.33	1.47	14	0.50	220.1	50	10.64	33.52	5.44	25.71	229.3	.141
70	9.78	33.656	4.78	1.68	19	0.51	205.3	75	9.50	33.72	4.42	26.06	196.2	.195
92	9.34	33.859	3.81	2.11	30	0.38	180.4	100	9.14	33.92	3.53	26.27	175.8	.242
110	8.93	33.929	3.29	2.21	32	0.34	172.0	125	8.60	33.93	3.03	26.36	167.0	.285
128	8.54	33.932	3.00	2.21	35	0.10	166.0	150	8.19	33.96	2.91	26.45	158.8	.326
155	8.12	33.963	2.90	2.22	37	0.03	157.6	200	7.56	34.01	2.68	26.58	146.3	.404
183	7.75	34.000	2.84	-	-	-	149.7	250	7.10	34.05	2.04	26.68	137.2	.477
219	7.38	34.026	2.45	-	-	-	142.7	300	6.67	34.10	1.52	26.78	127.9	.545
246	7.12	34.048	2.09	-	-	-	137.6	400	5.90	34.17	.86	26.93	113.2	.670
292	6.75	34.090	1.60	-	-	-	129.7	500	5.41	34.24	.54	27.05	102.2	.784
353	6.18	34.128	1.12	-	-	-	119.7	600	4.86	34.28	.43	27.14	93.2	.888
449	5.66	34.204	.62	-	-	-	107.8							
535	5.22	34.260	.50	-	-	-	98.6							
607	4.81	34.282	.41	-	-	-	92.5							

63.200

CCCFI CRUISE 6407

63.200

ALEXANDER AGASSIZ, JULY 7 1964, 0127 0333 GCT, 32 21.5N 133 00W, SOUNDING 2560 FM, WIND 320 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 24 11.

C	19.20	33.845	5.74	0.57	2	0.00	381.6	0	19.20	33.84	5.74	24.11	381.9	0	
9	18.90	33.834	5.87	0.50	2	0.00	375.1	10	18.88	33.83	5.87	24.18	374.9	.038	
28	17.71	33.852	5.86	0.46	2	0.00	345.8	20	18.02	33.85	5.87	24.41	353.1	.074	
56	16.02	33.794	5.70	0.42	2	0.00	312.3	30	17.68	33.85	5.86	24.49	345.2	.109	
73	15.78	33.845	6.03	0.41	2	0.00	303.4	50	16.50	33.80	5.74	24.73	322.3	.176	
86	15.76	33.860	6.00	0.35	2	0.00	301.9	75	15.77	33.85	6.02	24.94	302.8	.255	
100	15.74	33.883	5.93	0.30	2	0.00	299.8	100	15.74	33.88	5.93	24.97	300.0	.331	
124	15.84	34.024	5.84	0.35	2	0.01	291.6	125	15.83	34.03	5.84	25.06	291.0	.406	
141	15.50	34.039	5.70	0.37	3	0.11	283.3	150	15.65	34.13	5.67	25.18	279.8	.478	
162	15.99	34.298	5.66	0.35	3	0.13	274.8	200	12.90	33.91	5.34	25.59	240.7	.610	
189	13.92	33.995	5.46	0.51	5	0.02	254.1	250	9.72	33.82	4.84	26.10	192.2	.721	
247	9.80	33.818	4.87	1.39	15	0.00	193.6	300	9.09	33.95	4.47	26.30	172.8	.815	
313	8.92	33.982	4.33	1.66	23	-	167.9	400	7.33	34.02	3.10	26.62	142.5	.979	
399	7.34	34.015	3.11	2.29	41	-	143.0	500	6.08	34.07	1.56	26.83	122.8	1.118	
490	6.18	34.070	1.65	2.91	60	-	124.0	600	5.28	34.15	.93	26.99	107.5	1.240	
578	5.40	34.124	1.01	3.68U	73	-	110.8	700	4.88	34.25	.55	27.12	95.6	1.348	
690	4.91	34.243	.56	3.36	87	-	96.5	800	4.48	34.33	.43	27.22	85.4	1.447	
803	4.46	34.331	.43	3.41	97	-	85.1	1000	3.84	34.44	.62	27.38	70.7	1.619	
943	3.95	34.407	.52	3.45	110	-	74.3	1200	3.31	34.51	.97	27.49	60.5	1.768	
1087	3.67	34.480	.82	3.41	115	-	66.1	1500	2.76	34.56	1.35	27.58	51.9	1.964	
1175A	3.38	34.503	.96	3.71U	121	-	61.7	2000	2.06	34.62	1.91	27.68	41.8	2.244	
1373A	2.96	34.546	1.18	3.33	132	-	54.7	2500	1.75	34.64	2.20	27.72	38.0	2.489	
1622A	2.56	34.577	1.48	3.10	141	-	49.0	3000	1.62	34.67	2.80	27.76	34.8	2.720	
1869A	2.19	34.523U	1.06U	3.26U	125U	-	50.2	4000	1.51	34.69	3.46	27.78	32.6	3.170	
2116A	1.96	34.626	2.00	3.01	156	-	40.6								
2314A	1.86	34.640	2.14	2.93	162	-	38.8								
2510A	1.74	34.640	2.28	2.99	156	-	38.0								
2707A	1.67	34.657	2.56	2.84	162	-	36.2								
2903A	1.65	34.666	2.73	2.78	160	-	35.4								
3100A	1.58	34.673	2.92	2.76	162	-	34.3								
3297A	1.54	34.676	3.09	2.75	159	-	33.8								
3492A	1.50	34.676	3.24	2.71	154	-	33.6								
3688A	1.51	34.687	3.29	2.72	156	-	32.8								
3883A	1.51	34.685	3.44	2.75	152	-	32.9								
4029A	1.52	34.690	3.47	2.76	149	-	32.6								
4175A	1.52	34.689	3.42	2.68	150	-	32.7								
4370A	1.55	34.689	3.50	2.68	149	-	32.9								
4564A	1.58	34.689	3.59	2.68	147	-	33.1								
4757A	1.60	34.690	3.54	2.69	147	-	33.2								
4854A	1.60	-	3.47	3.28	188	-	-								

67.50

CCCFI CRUISE 6407

67.50

ALEXANDER AGASSIZ, JUNE 30 1964, 0757 GCT, 36 49N 122 04.5W, SOUNDING 55 FM, WIND 320 FORCE 5, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 10.

C	12.31	33.872	7.55	-	7	0.15	232.5	0	12.31	33.87	7.55	25.67	232.7	0	
10	12.14	33.861	7.57	0.62	8	0.16	230.2	10	12.14	33.86	7.57	25.70	230.3	.023	
20	11.54	33.848	6.96	0.90	11	0.22	220.5	20	11.54	33.85	6.96	25.80	220.3	.046	
30	9.66	33.859	4.30	1.91	27	0.31	188.4	30	9.66	33.86	4.30	26.14	188.3	.066	
49	9.28	33.859	3.79	2.66U	30	0.33	179.5	50	9.27	33.90	3.78	26.23	179.3	.103	
74	9.10	33.926	3.44	2.17U	33	0.36	174.8	75	9.09	33.93	3.42	26.29	174.3	.148	

A) MULTIPLE CAST, RECONCILIATION OF PROPERTY CURVES WHEN NECESSARY.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED			
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD		
67.55							CCCFI CRUISE 6407							67.55		
ALEXANDER AGASSIZ, JUNE 30 1964, 1032 GCT, 36 39N 122 26W, SOUNDING 1110 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA RCLGH, WIRE ANGLE 35.																
1	13.06	33.578	6.83	0.75	3	0.15	268.1	0	13.06	33.58	6.83	25.30	267.9	0		
9	13.04	33.569	6.96	0.76	4	0.15	268.4	10	13.04	33.57	6.96	25.30	268.3	.027		
30	10.71	33.549	6.36	1.31	3	0.47	228.3	20	12.50	33.56	6.89	25.40	259.0	.053		
37	10.10	33.594	5.26	1.59	5	0.65	215.0	30	10.71	33.55	6.36	25.72	228.3	.078		
49	9.70	33.689	4.88	1.77	7	0.04	201.6	50	9.69	33.69	4.87	26.00	201.4	.121		
61	9.12	33.696	4.46	1.89	8	0.03	192.1	75	9.00	33.75	4.08	26.16	186.3	.170		
80	9.14	33.813	3.91	1.97	9	0.17	183.7	100	9.00	33.94	3.22	26.31	172.2	.215		
94	9.08	33.914	3.41	2.17	10	0.46	175.3	125	8.49	34.01	2.37	26.44	159.4	.257		
110	8.81	33.966	2.90	2.30	11	0.08	167.4	150	8.25	34.06	1.93	26.52	152.3	.296		
132	8.39	34.037	2.15	2.44	13	0.02	156.0	200	7.78	34.11	1.60	26.63	141.9	.371		
153	8.23	34.064	1.91	-	-	-	151.7	250	7.33	34.15	1.35	26.72	132.8	.442		
183	8.00	34.097	1.84	-	-	-	145.9	300	7.12	34.18	1.16	26.78	127.7	.509		
206	7.71	34.119	1.57	-	-	-	140.3	400	6.49	34.22	.77	26.89	116.7	.636		
245	7.37	34.151	1.37	-	-	-	133.2	500	5.80	34.26	.57	27.01	105.3	.753		
297	7.14	34.182	1.18	-	-	-	127.9									
379	6.64	34.215	.84	-	-	-	116.9									
456	6.10	34.250	.67	-	-	-	109.6									
522	5.68	34.264	.53	-	-	-	103.6									

67.60 CCOFI CRUISE 6407 67.60
ALEXANDER AGASSIZ, JUNE 30 1964, 1323 GCT, 36 29N 122 47.5W, SOUNDING 1560 FM, WIND 330 FORCE 5, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 14.

1	14.63	33.326	6.31	0.51	2	0.05	317.4	0	14.63	33.33	6.31	24.79	317.1	0
10	14.63	33.330	6.52	0.51	2	0.05	317.1	10	14.63	33.33	6.52	24.79	317.1	.032
36	11.54	33.500	6.75	1.02	6	0.23	246.2	20	14.63	33.33	6.52	24.79	317.1	.063
45	11.10	33.683	6.10	1.25	5	0.28	225.0	30	14.63	33.33	6.52	24.79	317.1	.095
60	9.90	33.725	5.42	1.74	16	0.67	202.1	50	10.20	33.72	5.64	25.94	207.3	.148
75	9.12	33.745	4.43	1.85	25	0.02	188.5	75	9.12	33.74	4.43	26.13	188.9	.198
99	8.54	33.816	3.90	1.90	30	0.02	174.6	100	8.52	33.82	3.86	26.29	174.0	.243
118	8.35	33.900	3.63	1.98	32	0.00	165.6	125	8.31	33.93	3.34	26.41	162.8	.286
137	8.26	33.967	2.91	2.19	37	0.01	159.3	150	8.18	34.00	2.72	26.48	155.7	.326
167	8.06	34.033	2.66	2.30	42	0.01	151.6	200	7.34	34.01	2.79	26.61	143.3	.403
197	7.40	34.012	2.81	-	-	-	144.0	250	6.71	34.03	2.16	26.72	133.6	.474
236	6.85	34.024	2.39	-	-	-	135.9	300	6.30	34.06	1.76	26.79	126.2	.541
265	6.57	34.044	1.97	-	-	-	130.8	400	5.51	34.15	.98	26.96	110.1	.663
314	6.18	34.073	1.64	-	-	-	123.8	500	5.28	34.25	.55	27.07	100.0	.774
378	5.60	34.124	1.11	-	-	-	113.1	600	4.89	34.35	.46	27.19	88.2	.874
477	5.38	34.216	.62	-	-	-	103.7							
565	5.00	34.329	.47	-	-	-	91.0							
639	4.82	34.365	.46	-	-	-	86.3							

70.53 CCOFI CRUISE 6407 70.53
ALEXANDER AGASSIZ, JUNE 29 1964, 2101 GCT, 36 06.5N 121 54W, SOUNDING 566 FM, WIND 310 FORCE 5, WEATHER PARTLY CLCUDY, SEA MCCERATE, WIRE ANGLE 42.

1	11.44	33.619	6.43	1.07	10	0.30	235.6	0	11.44	33.62	6.43	25.64	235.6	0
9	11.30	33.600	6.32	1.06	11	0.29	234.6	10	11.29	33.60	6.31	25.65	234.4	.024
26	11.09	33.593	6.24	1.11	11	0.27	231.5	20	11.18	33.59	6.28	25.67	233.3	.047
33	10.60	33.593	5.79	1.29	12	0.34	223.3	30	10.89	33.59	6.07	25.72	228.3	.070
42	10.26	33.667	5.51	1.52	16	0.32	212.2	50	10.24	33.70	5.40	25.92	209.4	.114
53	10.21	33.711	5.28	1.56	19	0.28	208.1	75	9.40	33.79	4.21	26.13	189.4	.164
69	9.55	33.713	4.67	1.74	22	0.21	197.5	100	8.85	33.96	2.67	26.35	168.5	.209
82	9.24	33.921	3.61	2.14	31	0.27	177.3	125	8.47	34.00	2.61	26.44	159.9	.251
95	8.98	33.959	2.63	2.32	35	0.29	170.5	150	8.28	34.03	2.44	26.49	154.9	.291
114	8.58	33.957	2.91	2.18	33	0.03	164.7	200	7.74	34.07	2.14	26.60	144.3	.367
128	8.44	34.012	2.56	-	-	-	158.6	250	7.26	34.10	1.84	26.70	135.6	.439
150	8.28	34.026	2.44	-	-	-	155.2	300	7.04	34.15	1.28	26.77	128.9	.507
167	8.09	34.046	2.32	-	-	-	151.0	400	6.52	34.22	.80	26.89	117.0	.635
192	7.86	34.070	2.16	-	-	-	146.0							
228	7.39	34.067	2.07	-	-	-	139.8							
286	7.12	34.145	1.34	-	-	-	130.4							
348	6.74	34.173	1.08	-	-	-	123.3							
405	6.50	34.220	.78	-	-	-	116.8							

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
70.60								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 29 1964, 1737 GCT, 35 53.5N 122 22.5W, SOUNDING 1600 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA RUGH, WIRE ANGLE 17.								70.60							
1	15.00	33.332	6.25	0.38	2	0.01	324.5	0	15.00	33.33	6.25	24.71	324.7	0	
10	14.98	33.326	6.22	0.39	3	0.01	324.5	10	14.98	33.33	6.22	24.71	324.2	.032	
34	14.92	33.321	6.20	0.42	2	0.01	323.7	20	14.95	33.32	6.21	24.71	324.4	.065	
44	12.26	33.131	6.45	0.55	4	0.16	286.2	30	14.93	33.32	6.20	24.71	323.9	.097	
57	11.43	33.295	5.96	0.89	7	0.19	259.4	50	11.47	33.22	6.09	25.33	265.6	.157	
72	10.93	33.392	5.56	1.10	11	0.03	243.6	75	10.92	33.41	5.53	25.57	242.1	.220	
96	10.42	33.567	4.94	1.44	14	0.15	222.2	100	10.34	33.59	4.96	25.81	219.2	.279	
114	9.70	33.644	5.14	1.70	19	0.01	204.9	125	9.27	33.70	4.54	26.08	194.1	.331	
132	9.05	33.736	4.19	1.90	25	0.00	188.1	150	8.75	33.87	3.32	26.29	173.7	.377	
159	8.64	33.902	3.16	2.09	33	0.00	169.7	200	8.13	34.00	2.91	26.49	155.0	.461	
187	8.33	33.981	3.03	-	-	-	159.3	250	7.33	34.04	2.33	26.64	141.0	.537	
223	7.72	34.021	2.61	-	-	-	147.7	300	6.80	34.06	2.01	26.73	132.5	.607	
251	7.32	34.037	2.32	-	-	-	141.1	400	5.92	34.12	1.30	26.89	117.2	.737	
297	6.84	34.058	2.03	-	-	-	133.2	500	5.47	34.21	.68	27.02	105.2	.854	
358	6.15	34.067	1.77	-	-	-	123.9	600	4.89	34.29	.46	27.15	92.7	.959	
451	5.74	34.179	.80	-	-	-	110.6								
537	5.22	34.237	.61	-	-	-	100.3								
609	4.86	34.291	.45	-	-	-	92.3								

70.70								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 29 1964, 1302 GCT, 35 33.5N 123 05.5W, SOUNDING 2040 FM, WIND 330 FORCE 5, WEATHER OVERCAST, SEA VERY RUGH, WIRE ANGLE 30.								70.70							
1	14.54	33.458	6.44	0.69	-	-	305.9	0	14.54	33.46	6.44	24.90	305.7	0	
9	14.52	33.451	6.30	0.71	1	0.11	306.0	10	14.52	33.45	6.31	24.90	306.1	.031	
31	14.52	33.440	6.39	0.72	2	0.12	306.8	20	14.52	33.45	6.34	24.90	306.1	.061	
40	12.32	33.358	6.55	0.96	6	0.18	270.5	30	14.52	33.44	6.38	24.89	306.8	.092	
52	10.70	33.461	6.28	1.31	9	0.32	234.7	50	10.73	33.45	6.29	25.64	236.0	.146	
66	9.94	33.562	5.64	1.45	12	0.48	214.8	75	9.79	33.67	5.23	25.97	204.4	.202	
86	9.65	33.765	4.88	1.82	19	0.29	195.2	100	9.42	33.81	4.61	26.14	188.3	.251	
103	9.38	33.818	4.51	1.92	21	0.01	187.1	125	8.93	33.87	3.65	26.27	176.3	.297	
119	9.04	33.849	3.86	2.04	27	0.00	179.6	150	8.51	33.93	3.07	26.38	165.7	.341	
144	8.58	33.919	3.17	2.20	31	0.00	167.5	200	7.86	34.02	2.59	26.55	149.7	.421	
168	8.30	34.001	2.51	-	-	-	157.4	250	7.03	34.03	2.39	26.67	137.7	.495	
200	7.86	34.018	2.59	-	-	-	149.9	300	6.56	34.07	1.72	26.77	128.7	.563	
225	7.42	34.012	2.64	-	-	-	144.3	400	5.79	34.14	.98	26.92	114.1	.690	
265	6.83	34.044	2.16	-	-	-	134.1	500	5.29	34.24	.59	27.06	100.9	.803	
321	6.40	34.082	1.59	-	-	-	125.8								
409	5.72	34.146	.93	-	-	-	112.9								
489	5.32	34.223	.60	-	-	-	101.7								
558	5.04	34.275	.55	-	-	-	95.5								

70.80								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 29 1964, C742 GCT, 35 13.5N 123 47.5W, SOUNDING 2175 FM, WIND 340 FORCE 5, WLATHER PARTLY CLCUDY, SEA VERY RUGH, WIRE ANGLE 36.								70.80							
C	14.19	33.454	6.34	0.72	2	0.14	299.1	0	14.19	33.45	6.34	24.97	299.4	0	
10	14.14	33.445	6.39	0.71	3	0.11	298.8	10	14.14	33.44	6.39	24.97	299.2	.030	
30	12.85	33.314	6.46	0.85	4	0.17	283.5	20	14.08	33.44	6.40	24.99	298.0	.060	
37	11.90	33.230	6.40	0.90	6	0.26	272.4	30	12.85	33.31	6.46	25.13	283.8	.089	
49	10.74	33.143	5.99	0.97	8	0.14	258.8	50	10.73	33.15	5.99	25.40	258.2	.143	
62	11.06	33.418	6.42	1.18	8	0.26	243.9	75	9.73	33.52	5.12	25.86	214.6	.203	
81	9.52	33.547	4.93	1.70	19	0.26	209.3	100	9.14	33.73	4.46	26.12	189.9	.254	
96	9.16	33.701	4.54	1.89	23	0.03	192.4	125	9.10	33.87	-	26.24	178.9	.300	
111	9.10	33.792	4.24	2.00	26	0.01	184.7	150	8.56	33.93	3.28	26.37	166.4	.344	
133	8.84	33.892	4.82U	2.09	29	0.00	173.4	200	7.88	34.03	2.45	26.55	149.2	.425	
152	8.52	33.934	3.24	-	-	-	165.5	250	7.20	34.04	2.30	26.66	139.2	.499	
181	8.10	34.009	2.58	-	-	-	153.9	300	6.80	34.09	1.59	26.75	130.3	.568	
202	7.85	34.030	2.44	-	-	-	148.8	400	6.10	34.16	.98	26.90	116.3	.696	
239	7.30	34.034	2.38	-	-	-	141.0	500	5.45	34.25	.47	27.05	101.9	.811	
288	6.89	34.084	1.67	-	-	-	131.9								
365	6.28	34.126	1.17	-	-	-	121.1								
439	5.92	34.204	.76	-	-	-	110.9								
502	5.43	34.249	.47	-	-	-	101.8								

OBSERVED LEVELS OF DEPTH STANDARD LEVELS OF DEPTH

INPLT							COMPUTED			INPUT				COMPUTED			
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
70.50							CCOFI CRUISE 6407							70.90			
ALEXANDER AGASSIZ, JUNE 29 1964, 0153 GCT, 34 53.5N 124 29W, SOUNDING 2313 FM, WIND 330 FORCE 5, WEATHER PARTLY CLCUDY, SEA VERY ROUGH, WIRE ANGLE 34.																	
2	15.68	33.114	6.13	0.35	3	0.00	354.7	0	15.68	33.11	6.13	24.39	355.0	0			
10	15.66	33.107	6.10	0.36	2	0.00	354.8	10	15.66	33.11	6.10	24.39	354.6	.035			
31	15.61	33.103	6.10	0.35	2	0.00	354.0	20	15.64	33.11	6.10	24.40	354.1	.071			
55	13.06	33.058	6.68	0.37	3	0.00	306.3	30	15.62	33.11	6.10	24.40	353.7	.106			
64	12.88	33.073	6.70	0.37	5	0.00	301.8	50	13.20	33.06	6.66	24.87	308.8	.173			
80	11.98	33.020	6.56	0.45	2	0.01	289.3	75	12.17	33.03	6.62	25.05	292.0	.248			
93	11.48	33.020	6.26	0.59	4	0.38	280.5	100	11.45	33.07	6.13	25.21	276.3	.320			
104	11.44	33.110	6.08	0.74	5	0.11	273.2	125	10.85	33.41	5.46	25.59	241.0	.385			
128	10.43	33.444	5.24	1.33	12	0.01	231.5	150	9.13	33.59	4.50	26.02	200.1	.441			
142	9.42	33.536	4.64	1.52	18	0.00	208.6	200	8.29	33.93	3.54	26.41	162.5	.533			
167	8.74	33.723	4.25	-	-	-	184.4	250	7.49	34.00	2.87	26.58	146.1	.612			
194	8.36	33.903	3.67	-	-	-	165.5	300	6.97	34.04	2.13	26.69	136.2	.685			
217	8.06	33.983	3.21	-	-	-	155.3	400	6.01	34.11	1.24	26.87	119.0	.817			
257	7.40	34.006	2.78	-	-	-	144.4	500	5.34	34.19	.83	27.02	105.2	.935			
312	6.84	34.055	1.99	-	-	-	133.4										
395	6.06	34.102	1.26	-	-	-	120.2										
472	5.46	34.155	.96	-	-	-	109.2										
540	5.27	34.231	.61	-	-	-	101.3										

70.100 CCOFI CRUISE 6407 70.100

ALEXANDER AGASSIZ, JUNE 28 1964, 2048 GCT, 34 33.5N 125 10W, SOUNDING 2420 FM, WIND 340 FORCE 4, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 25.																												
1	15.98	33.211	6.11	0.35	2	0.00	354.0	0	15.98	33.21	6.11	24.40	354.1	0	0	15.98	33.21	6.11	24.40	354.1	0	0	15.98	33.21	6.11	24.40	354.1	0
10	15.94	33.202	5.98	0.35	1	0.00	353.8	10	15.94	33.20	5.98	24.40	353.9	.035	10	15.94	33.20	5.98	24.40	353.9	.035	10	15.94	33.20	5.98	24.40	353.9	.035
33	15.82	33.192	6.01	0.35	1	0.00	352.0	20	15.90	33.20	5.99	24.41	353.1	.071	20	15.90	33.20	5.99	24.41	353.1	.071	20	15.90	33.20	5.99	24.41	353.1	.071
61	14.12	33.217	6.30	0.33	2	0.00	315.1	30	15.85	33.20	6.00	24.42	352.0	.106	30	15.85	33.20	6.00	24.42	352.0	.106	30	15.85	33.20	6.00	24.42	352.0	.106
65	13.98	33.256	6.41	0.35	2	0.00	309.5	50	15.40	33.19	6.11	24.51	343.2	.176	50	15.40	33.19	6.11	24.51	343.2	.176	50	15.40	33.19	6.11	24.51	343.2	.176
86	13.24	33.194	6.44	0.38	2	0.00	299.7	75	14.20	33.34	6.43	24.88	307.7	.258	75	14.20	33.34	6.43	24.88	307.7	.258	75	14.20	33.34	6.43	24.88	307.7	.258
101	13.20	33.286	6.20	0.44	2	0.07	292.2	100	13.19	33.28	6.22	25.04	292.4	.333	100	13.19	33.28	6.22	25.04	292.4	.333	100	13.19	33.28	6.22	25.04	292.4	.333
114	12.47	33.280	6.05	0.60	4	0.20	279.0	125	11.98	33.36	5.76	25.34	264.3	.404	125	11.98	33.36	5.76	25.34	264.3	.404	125	11.98	33.36	5.76	25.34	264.3	.404
140	11.16	33.473	5.25	1.05	11	0.02	241.6	150	10.60	33.50	5.02	25.70	230.1	.466	150	10.60	33.50	5.02	25.70	230.1	.466	150	10.60	33.50	5.02	25.70	230.1	.466
158	10.18	33.525	4.83	1.33	14	0.00	221.4	200	8.74	33.81	4.19	26.25	178.0	.570	200	8.74	33.81	4.19	26.25	178.0	.570	200	8.74	33.81	4.19	26.25	178.0	.570
184	9.08	33.714	4.34	-	-	-	190.2	250	8.02	33.99	3.00	26.50	154.2	.655	250	8.02	33.99	3.00	26.50	154.2	.655	250	8.02	33.99	3.00	26.50	154.2	.655
215	8.48	33.908	4.06	-	-	-	166.9	300	7.25	34.03	2.33	26.64	140.7	.731	300	7.25	34.03	2.33	26.64	140.7	.731	300	7.25	34.03	2.33	26.64	140.7	.731
242	8.13	33.979	3.18	-	-	-	156.6	400	6.07	34.08	1.60	26.84	121.9	.867	400	6.07	34.08	1.60	26.84	121.9	.867	400	6.07	34.08	1.60	26.84	121.9	.867
287	7.44	34.028	2.39	-	-	-	143.3	500	5.48	34.18	.84	26.99	107.5	.987	500	5.48	34.18	.84	26.99	107.5	.987	500	5.48	34.18	.84	26.99	107.5	.987
344	6.60	34.039	2.23	-	-	-	131.6	600	4.80	34.21	-	27.09	97.8	1.096	600	4.80	34.21	-	27.09	97.8	1.096	600	4.80	34.21	-	27.09	97.8	1.096
435	5.82	34.117	1.16	-	-	-	116.2																					
518	5.40	34.195	.79	-	-	-	105.5																					
589	4.90	34.204	.72	-	-	-	99.3																					

70.202 CCOFI CRUISE 6407 70.202

ALEXANDER AGASSIZ, JULY 7 1964, 1557 GCT, 31 11N 132 11.5W, SOUNDING 2495 FM, WIND 330 FORCE 2, WEATHER CLOUDY, SEA RCLGT, WIRE ANGLE 02.																									
C	18.98	33.763	5.78	0.36	2	0.00	382.2	0	18.98	33.76	5.78	24.10	382.4	0											
10	18.80	33.756	5.92	0.37	2	0.00	378.4	10	18.80	33.76	5.92	24.15	378.1	.038											
30	17.68	33.727	5.96	0.33	2	0.00	354.2	20	18.17	33.74	5.95	24.29	364.6	.075											
40	16.48	33.742	5.74	0.29	3	0.01	326.1	30	17.68	33.73	5.96	24.40	354.0	.111											
55	15.92	33.781	6.13	0.31	2	0.00	311.1	50	16.03	33.77	6.06	24.82	314.2	.178											
71	15.71	33.821	6.13	0.28	2	0.00	303.7	75	15.71	33.85	6.10	24.95	301.5	.256											
96	15.78	33.937	6.01	0.23	3	0.00	296.7	100	15.82	33.98	5.98	25.02	294.4	.331											
116	15.96	34.127	5.94	0.23	3	0.00	286.7	125	16.04	34.20	5.86	25.14	283.1	.404											
136	16.14	34.262	5.80	0.21	3	0.03	280.7	150	14.86	34.08	5.65	25.31	266.9	.474											
155	14.22	33.583	5.58	0.47	5	0.07	261.0	200	10.88	33.76	5.09	25.85	215.6	.596											
185	11.76	33.754	5.18	-	-	-	231.3	250	9.02	33.92	4.13	26.29	174.0	.696											
220	9.88	33.791	4.93	-	-	-	196.9	300	8.18	34.01	3.31	26.49	155.0	.781											
249	9.04	33.910	4.14	-	-	-	175.0	400	6.39	34.04	2.12	26.77	128.9	.928											
299	8.20	34.006	3.32	-	-	-	155.6	500	5.63	34.14	1.08	26.94	112.3	1.054											
354	7.09	34.021	2.68	-	-	-	139.2	600	5.28	34.26	.59	27.08	99.3	1.167											
439	5.98	34.062	1.67	-	-	-	122.2																		
523	5.56	34.166	.93	-	-	-	109.5																		
605	5.24	34.266	.58	-	-	-	98.4																		

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED			INPUT				COMPUTED			
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	CXY	SIG*T	D*T	DD			
73.53							CCOFI CRUISE 6407							73.53			
ALEXANDER AGASSIZ, JUNE 26 1964, 0113 GCT, 31.5N 121 28.5W, SOUNDING 395 FM, WIND 080 FORCE 6, WEATHER CLEAR SEA VERY RCLGH, WIRE ANGLE 40.																	
1	12.34	33.696	7.51	0.76	7	0.28	246.0	0	12.34	33.70	7.51	25.54	245.7	0			
8	12.32	33.692	7.48	0.76	8	0.26	246.0	10	12.30	33.69	7.47	25.54	245.7	.025			
28	10.44	33.731	5.68	1.43	19	0.23	210.4	20	11.20	33.71	6.50	25.76	224.8	.048			
35	10.08	33.716	5.14	1.59	21	0.21	205.7	30	10.35	33.73	5.53	25.92	209.0	.070			
46	9.58	33.707	4.49	1.77	25	0.14	198.4	50	9.53	33.74	4.42	26.07	195.2	.110			
59	9.46	33.830	4.30	1.93	29	0.20	187.4	75	9.13	33.87	3.64	26.23	179.4	.158			
77	9.08	33.869	3.60	2.05	32	0.15	178.7	100	8.76	33.90	3.25	26.32	171.6	.202			
92	8.82	33.890	3.35	2.11	32	0.11	173.2	125	8.65	33.96	2.83	26.38	165.5	.245			
106	8.73	33.910	3.15	2.13	33	0.08	170.4	150	8.31	34.01	2.61	26.47	156.8	.285			
129	8.60	33.976	2.74	2.24	37	0.02	163.6	200	7.83	34.07	2.11	26.59	145.6	.363			
149	8.32	34.012	2.61	-	-	-	156.8	250	7.28	34.11	1.87	26.70	135.1	.435			
177	7.98	34.038	2.41	-	-	-	150.1	300	6.89	34.12	1.54	26.76	129.2	.503			
199	7.84	34.069	2.12	-	-	-	145.8	400	6.22	34.23	.84	26.94	112.6	.629			
233	7.42	34.102	1.93	-	-	-	137.6	500	5.71	34.28	.64	27.04	102.7	.742			
280	7.06	34.111	1.70	-	-	-	132.1										
357	6.44	34.181	1.06	-	-	-	118.9										
431	6.08	34.249	.72	-	-	-	109.4										
494	5.74	34.277	.64	-	-	-	103.3										

73.60

CCOFI CRUISE 6407

73.60

ALEXANDER AGASSIZ, JUNE 27 1964, 0511 GCT, 35 18N 121 57.5W, SOUNDING 1520 FM, WIND 080 FORCE 6, WEATHER CLEAR,
SEA VERY RCLGH, WIRE ANGLE 55.

1	14.50	33.226	6.55	0.51	4	0.05	322.1	0	14.50	33.23	6.55	24.74	321.8	0
8	14.48	33.224	6.31	0.48	4	0.04	321.8	10	14.48	33.22	6.31	24.73	322.1	.032
22	14.34	33.211	6.35	0.50	4	0.05	320.0	20	14.40	33.22	6.33	24.75	320.5	.064
27	13.99	33.180	6.29	0.53	4	0.06	315.3	30	13.80	33.17	6.36	24.84	312.3	.096
37	13.52	33.149	6.47	0.56	4	0.07	308.4	50	12.26	33.09	6.43	25.08	289.2	.156
45	12.42	33.095	6.44	0.56	4	0.10	291.7	75	11.03	33.38	5.87	25.53	246.2	.224
60	11.52	33.063	6.35	0.67	6	0.34	278.0	100	9.85	33.53	4.36	25.85	215.7	.282
71	11.15	33.231	6.09	1.01	7	0.25	259.3	125	9.57	33.76	4.63	26.08	194.3	.334
82	11.15	33.547	5.68	1.24	8	0.31	235.9	150	9.19	33.85	3.73	26.21	181.8	.381
100	9.85	33.526	4.36	1.61	18	0.03	216.0	200	8.15	34.01	2.61	26.50	154.5	.467
113	9.42	33.585	4.73	-	-	-	204.9	250	7.81	34.10	1.85	26.62	143.1	.543
132	9.64	33.848	4.41	-	-	-	188.9	300	7.19	34.13	1.65	26.73	132.4	.614
146	9.28	33.841	3.82	-	-	-	183.8							
168	8.69	33.929	3.16	-	-	-	168.4							
199	8.16	34.011	2.62	-	-	-	154.6							
249	7.82	34.059	1.86	-	-	-	143.3							
305	7.12	34.131	1.62	-	-	-	131.4							
358	6.75	34.180	1.09	-	-	-	122.9							

76.50

CCOFI CRUISE 6407

76.50

ALEXANDER AGASSIZ, JUNE 26 1964, 0314 GCT, 35 12N 120 57.5W, SOUNDING 97 FM, WIND 240 FORCE 1, WEATHER OVERCAST,
SEA MODERATE, WIRE ANGLE 06.

C	11.32	33.801	7.44	0.80	13	-	220.1	0	11.32	33.80	7.44	25.80	220.2	0
1C	10.90	33.806	6.36	1.17	16	0.29	212.6	10	10.90	33.81	6.36	25.89	212.3	.022
3C	10.50	33.840	5.32	1.50	18	0.33	203.3	20	10.69	33.82	5.80	25.93	208.0	.043
4C	10.30	33.854	4.86	1.64	21	0.34	199.0	30	10.50	33.84	5.32	25.98	203.3	.063
55	10.18	33.868	4.55	1.76	22	0.35	196.0	50	10.22	33.86	4.65	26.05	197.3	.104
70	9.84	33.899	3.79	2.04	25	0.39	188.3	75	9.75	33.92	3.48	26.17	185.3	.152
85	9.65	33.961	3.19	2.25	28	0.35	180.7	100	9.57	33.98	2.98	26.25	178.0	.198
105	9.53	33.985	2.90	2.41	31	0.32	177.0	125	9.33	34.00	2.62	26.30	172.8	.242
129	9.28	34.006	2.59	2.48	34	0.29	171.6	150	8.92	34.05	2.15	26.41	162.8	.285
154	8.83	34.058	2.04	2.61	39	0.19	160.9							

76.53

CCOFI CRUISE 6407

76.53

ALEXANDER AGASSIZ, JUNE 26 1964, 0120 GCT, 35 07N 121 08W, SOUNDING 300 FM, WIND 240 FORCE 2, WEATHER OVERCAST,
SEA RCLGH, WIRE ANGLE 04.

C	12.80	33.674	8.30	0.54	6	0.20	256.1	0	12.80	33.67	8.30	25.42	256.4	0
1C	11.66	33.668	7.75	0.69	6	0.19	235.9	1C	11.66	33.67	7.75	25.64	235.7	.025
30	10.57	33.774	5.76	1.30	15	0.24	209.4	2C	11.05	33.73	6.71	25.60	220.7	.047
45	9.44	33.704	3.94	1.85	21	0.07	196.4	30	10.57	33.77	5.76	25.91	209.7	.069
55	9.34	33.761	3.80	1.93	25	0.04	190.7	50	9.38	33.73	3.87	26.08	193.6	.110
70	9.28	33.843	3.53	2.07	26	0.17	183.7	75	9.28	33.88	3.29	26.22	180.9	.157
85	9.28	33.948	2.87	2.28	30	0.28	175.9	100	9.16	33.99	2.55	26.32	170.9	.201
100	9.16	33.990	2.55	2.45	34	0.00	170.9	125	8.68	34.04	2.37	26.44	160.0	.243
125	8.68	34.035	2.37	2.41	37	0.00	160.4	150	8.64	34.10	1.85	26.49	155.0	.283
145	8.65	34.086	1.95	2.57	38	0.00	156.1	200	8.45	34.17	1.48	26.58	147.0	.360
175	8.52	34.142	1.62	-	-	-	150.1	250	8.05	34.20	1.27	26.66	139.0	.434
204	8.44	34.171	1.47	-	-	-	146.8	300	7.65	34.22	1.18	26.73	131.9	.504
234	8.23	34.190	1.28	-	-	-	142.3	400	6.62	34.23	.85	26.89	117.5	.634
274	7.80	34.210	1.27	-	-	-	134.7	500	5.95	34.26	.82	27.00	107.0	.752
335	7.45	34.244	1.02	-	-	-	127.4							
389	6.72	34.227	.87	-	-	-	119.0							
448	6.25	34.240	.79	-	-	-	112.2							
507	5.92	34.261	.83	-	-	-	106.6							

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED	INPUT				COMPUTED			
Z	T	S	CXY	PFC	SIL	NIT	D*T	Z	T	S	CXY	SIG*T	D*T	DD	
76.55							CCOFI CRUISE 6407							76.55	
ALEXANDER AGASSIZ, JUNE 25 1964, 2254 GCT, 35 02N 121 18W, SOUNDING 318 FM, WIND 250 FORCE 2, WEATHER OVERCAST, SEA RCUH, WIRE ANGLE 12.															
1	14.04	33.638	7.19	0.65	3	0.18	282.7	0	14.04	33.64	7.19	25.15	282.5	0	
11	12.42	33.629	6.58	0.92	6	0.17	252.4	10	12.65	33.63	6.68	25.42	256.6	.027	
31	11.52	33.649	6.03	1.24	10	0.24	234.8	20	11.67	33.64	6.12	25.62	238.1	.052	
40	11.83	33.781	5.97	1.11	8	0.26	230.6	30	11.52	33.65	6.03	25.65	234.7	.075	
50	11.42	33.787	5.58	1.31	11	0.28	222.9	50	11.42	33.79	5.58	25.78	222.7	.121	
65	10.28	33.781	4.31	1.77	19	0.17	204.1	75	9.88	33.87	3.82	26.11	191.1	.173	
79	9.76	33.883	3.67	2.02	25	0.24	188.2	100	9.17	33.89	3.10	26.24	178.5	.220	
99	9.20	33.885	3.12	2.11	28	0.00	179.3	125	8.88	33.96	2.90	26.34	168.9	.264	
123	8.88	33.946	2.93	2.14	30	0.01	170.0	150	8.90	34.09	2.31	26.44	159.6	.306	
142	8.93	34.060	2.48	2.36	34	0.00	162.2	200	8.61	34.17	1.55	26.55	149.3	.385	
173	8.77	34.138	1.96	-	-	-	154.1	250	7.97	34.19	1.50	26.66	138.6	.459	
201	8.60	34.174	1.54	-	-	-	148.9	300	7.41	34.21	1.29	26.76	129.4	.528	
230	8.33	34.215	1.31	-	-	-	141.9	400	6.62	34.26	.72	26.91	115.3	.655	
270	7.61	34.160	1.65	-	-	-	135.8	500	5.69	34.29	.51	27.05	101.7	.770	
329	7.26	34.264	.97	-	-	-	123.3								
402	6.60	34.256	.70	-	-	-	115.4								
477	5.82	34.278	.54	-	-	-	104.2								
556	5.52	34.319	.49	-	-	-	97.6								

76.58 CCCFI CRUISE 6407 76.58
ALEXANDER AGASSIZ, JUNE 25 1964, 2107 GCT, 34 56.5N 121 28.5W, SOUNDING 400 FM, WIND 060 FORCE 3, WEATHER OVERCAST, SEA VERY RCUH, WIRE ANGLE 13.

C	13.54	33.845	-	-	-	-	257.7	0	13.54	33.84	-	25.41	258.1	0
10	11.86	33.830	-	-	-	-	227.5	10	11.86	33.83	-	25.73	227.5	.024
29	10.01	33.736	-	-	-	-	203.1	20	10.58	33.76	-	25.91	210.6	.046
39	9.81	33.763	-	-	-	-	197.9	30	10.00	33.74	-	25.99	202.6	.067
48	9.48	33.807	-	-	-	-	189.4	50	9.47	33.82	-	26.14	188.3	.106
63	9.24	33.858	-	-	-	-	181.9	75	9.24	33.92	-	26.26	177.3	.152
78	9.24	33.938	-	-	-	-	176.0	100	9.35	34.06	-	26.35	168.7	.196
98	9.36	34.053	-	-	-	-	169.3	125	8.91	34.13	-	26.47	156.8	.237
121	8.93	34.121	-	-	-	-	157.7	150	8.69	34.15	-	26.52	152.0	.276
141	8.77	34.142	-	-	-	-	153.8	200	8.50	34.19	-	26.58	146.2	.352
170	8.57	34.175	-	-	-	-	146.4	250	7.89	34.17	-	26.66	139.0	.426
199	8.50	34.187	-	-	-	-	146.4	300	7.16	34.20	-	26.79	126.8	.494
228	8.36	34.198	-	-	-	-	143.6	400	6.34	34.26	-	26.95	111.8	.619
269	7.51	34.140	-	-	-	-	136.0	500	5.87	34.28	-	27.02	104.6	.733
326	6.90	34.240	-	-	-	-	120.4							
400	6.34	34.258	-	-	-	-	111.9							
474	6.00	34.275	-	-	-	-	106.5							
555	5.57	34.298	-	-	-	-	99.7							

76.60 CCCFI CRUISE 6407 76.60
ALEXANDER AGASSIZ, JUNE 25 1964, 1907 GCT, 34 52N 121 40W, SOUNDING 760 FM, WIND 030 FORCE 3, WEATHER FOG, SEA VERY RCUH, WIRE ANGLE 13.

C	13.70	33.723	7.22	0.46	7	0.24	269.8	0	13.70	33.72	7.22	25.28	270.0	0
9	12.75	33.751	6.82	0.65	12	0.27	249.6	10	12.65	33.76	6.80	25.52	247.0	.026
29	11.98	33.845	6.62	0.86	5	0.27	228.5	20	12.10	33.83	6.70	25.68	231.8	.050
53	10.72	33.853	4.60	1.62	18	0.27	206.1	30	11.97	33.85	6.60	25.72	228.0	.073
68	9.75	33.790	3.99	1.79	23	0.17	194.9	50	10.85	33.85	4.80	25.93	208.5	.117
83	9.40	33.803	3.84	1.81	24	0.07	188.5	75	9.53	33.79	3.92	26.11	191.5	.167
98	9.24	33.859	3.49	1.93	27	0.04	181.9	100	9.22	33.86	3.47	26.21	181.5	.214
127	8.88	33.950	3.19	2.04	31	0.03	169.7	125	8.91	33.94	3.20	26.32	170.9	.259
151	8.46	34.014	3.05	2.08	35	0.02	158.7	150	8.48	34.01	3.06	26.45	159.3	.301
176	8.08	34.016	3.01	2.21	38	0.01	153.1	200	7.64	34.02	2.88	26.58	146.7	.379
210	7.44	34.030	2.78	2.33	45	-	143.2	250	6.80	34.03	2.43	26.70	134.8	.451
273	6.55	34.035	2.27	2.64	56	-	131.2	300	6.41	34.08	1.91	26.80	126.1	.518
370	6.26	34.204	.87	3.09	69	-	115.0	400	6.21	34.24	.76	26.95	111.7	.642
466	6.02	34.289	.65	3.26	77	-	105.7	500	5.87	34.30	.62	27.04	103.1	.755
598	5.34	34.348	.56	3.41	90	-	93.4	600	5.33	34.35	.55	27.14	93.1	.860
749	4.76	34.394	.46	3.43	102	-	83.5	700	4.93	34.38	.48	27.21	86.4	.957
897	4.30	34.442	.57	3.48	112	-	75.1	800	4.61	34.41	.49	27.27	80.7	1.049
1106	3.75	34.489	.81	3.40	124	-	66.2	1000	4.01	34.46	.66	27.38	70.9	1.217

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT				COMPUTED				INPUT				COMPUTED			
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
76.62								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 1657 GCT, 34 47N 121 50W, SOUNDING 1040 FM, WIND 320 FORCE 2, WEATHER FOG, SEA MODERATE, WIRE ANGLE 07.								76.62							
1	13.68	33.730	-	-	-	-	268.8	0	13.68	33.73	-	25.29	268.8	0	
11	12.71	33.714	-	-	-	-	251.5	10	12.80	33.72	-	25.46	252.8	.026	
31	10.89	33.694	-	-	-	-	220.7	20	12.10	33.70	-	25.58	241.4	.051	
41	10.47	33.730	-	-	-	-	211.0	30	11.10	33.69	-	25.76	224.5	.074	
50	10.28	33.745	-	-	-	-	206.8	50	10.28	33.74	-	25.94	207.1	.118	
65	9.93	33.787	-	-	-	-	198.0	75	9.72	33.82	-	26.10	192.2	.168	
81	9.61	33.860	-	-	-	-	187.5	100	9.44	33.94	-	26.24	178.9	.215	
101	9.43	33.948	-	-	-	-	178.2	125	9.02	33.98	-	26.34	169.5	.259	
125	9.02	33.985	-	-	-	-	169.2	150	8.47	34.01	-	26.45	159.1	.300	
145	8.57	34.005	-	-	-	-	161.0	200	7.37	34.02	-	26.62	143.0	.377	
175	7.99	34.019	-	-	-	-	151.6	250	6.97	34.03	-	26.68	137.0	.449	
204	7.31	34.020	-	-	-	-	142.2	300	6.53	34.11	-	26.80	125.4	.517	
235	7.12	34.021	-	-	-	-	139.6	400	6.23	34.25	-	26.95	111.2	.640	
275	6.68	34.077	-	-	-	-	129.7	500	5.74	34.30	-	27.05	101.6	.752	
335	6.41	34.151	-	-	-	-	120.8								
409	6.20	34.256	-	-	-	-	110.4								
484	5.82	34.289	-	-	-	-	103.3								
563	5.44	34.340	-	-	-	-	95.1								
76.65								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 1457 GCT, 34 42N 122 00W, SOUNDING 2145 FM, WIND 210 FORCE 2, WEATHER MISSING, SEA RCLG, WIRE ANGLE 14.								76.65							
0	14.62	33.722	-	-	-	-	288.2	0	14.62	33.72	-	25.09	288.3	0	
9	12.84	33.796	-	-	-	-	247.9	10	12.81	33.80	-	25.52	247.1	.027	
25	10.90	33.793	-	-	-	-	213.5	20	12.00	33.80	-	25.68	232.2	.051	
39	10.09	33.737	-	-	-	-	204.3	30	10.89	33.79	-	25.87	213.6	.073	
53	9.88	33.834	-	-	-	-	193.7	50	9.96	33.79	-	26.03	198.3	.114	
68	9.80	33.950	-	-	-	-	183.9	75	9.73	33.96	-	26.21	182.0	.162	
91	8.95	33.971	-	-	-	-	169.2	100	8.83	33.98	-	26.37	166.7	.206	
111	8.62	34.001	-	-	-	-	162.0	125	8.30	34.01	-	26.47	156.7	.247	
130	8.26	34.012	-	-	-	-	156.0	150	8.34	34.09	-	26.53	151.3	.286	
149	8.34	34.080	-	-	-	-	152.1	200	8.04	34.19	-	26.65	139.6	.361	
177	8.34	34.193	-	-	-	-	143.7	250	7.61	34.23	-	26.75	130.6	.430	
210	7.90	34.198	-	-	-	-	137.0	300	6.99	34.22	-	26.83	123.1	.496	
238	7.75	34.234	-	-	-	-	132.3	400	6.30	34.26	-	26.95	111.3	.618	
286	7.09	34.215	-	-	-	-	124.7	500	5.81	34.32	-	27.06	100.9	.730	
338	6.76	34.245	-	-	-	-	118.2	600	5.02	34.33	-	27.16	91.1	.833	
420	6.16	34.262	-	-	-	-	109.4								
501	5.80	34.320	-	-	-	-	100.8								
585	5.15	34.325	-	-	-	-	93.0								
76.67								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 1255 GCT, 34 37N 122 11W, SOUNDING 2090 FM, WIND 300 FORCE 2, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 25.								76.67							
0	14.22	33.688	-	-	-	-	282.6	0	14.22	33.69	-	25.15	282.4	0	
10	12.84	33.588	-	-	-	-	263.2	10	12.84	33.59	-	25.35	263.1	.027	
25	12.30	33.727	-	-	-	-	243.0	20	12.25	33.60	-	25.48	251.4	.053	
38	11.72	33.701	-	-	-	-	234.5	30	12.30	33.73	-	25.57	242.8	.078	
53	10.57	33.823	-	-	-	-	205.8	50	11.00	33.79	-	25.85	215.4	.124	
67	10.17	33.836	-	-	-	-	198.2	75	10.08	33.83	-	26.05	197.2	.176	
92	9.14	33.802	-	-	-	-	184.6	100	9.04	33.82	-	26.21	181.7	.224	
111	8.92	33.875	-	-	-	-	175.8	125	8.70	33.93	-	26.35	168.5	.268	
130	8.62	33.950	-	-	-	-	165.8	150	8.38	33.99	-	26.44	159.3	.309	
150	8.38	33.988	-	-	-	-	159.5	200	7.93	34.07	-	26.58	147.0	.388	
178	8.12	34.033	-	-	-	-	152.4	250	7.46	34.10	-	26.67	138.3	.461	
212	7.83	34.084	-	-	-	-	144.5	300	7.04	34.14	-	26.76	129.7	.530	
241	7.54	34.098	-	-	-	-	139.5	400	5.93	34.16	-	26.92	114.3	.657	
289	7.17	34.136	-	-	-	-	131.7	500	5.48	34.24	-	27.04	103.0	.771	
342	6.52	34.157	-	-	-	-	121.7	600	4.95	34.32	-	27.16	91.1	.874	
425	5.77	34.174	-	-	-	-	111.3								
508	5.44	34.250	-	-	-	-	101.8								
591	5.00	34.311	-	-	-	-	92.3								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED		
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
76.70							CCOFI CRUISE 6407							76.70	
ALEXANDER AGASSIZ, JUNE 25 1964, 1019 GCT, 34 32N 122 21.5W, SOUNDING 2060 FM, WIND 270 FORCE 3, WEATHER MISSING, SEA MISSING, WIRE ANGLE 33.															
2	15.26	33.137	6.23	0.37	2	0.00	344.2	0	15.26	33.14	6.23	24.50	344.0	0	
9	14.60	33.147	6.21	0.41	3	0.00	329.9	10	14.55	33.15	6.22	24.66	328.6	.034	
26	14.14	33.172	6.29	0.46	2	0.00	318.8	20	14.30	33.17	6.28	24.73	322.2	.066	
49	11.84	33.385	6.06	0.85	5	0.27	259.9	30	13.90	33.18	6.28	24.82	313.5	.098	
64	10.27	33.356	5.38	1.30	14	0.01	235.4	50	11.82	33.38	6.05	25.39	259.9	.156	
75	10.16	33.374	5.30	1.34	14	0.01	232.3	75	10.16	33.37	5.30	25.67	232.5	.218	
86	10.00	33.543	5.04	1.57	17	0.14	217.2	100	10.30	33.76	5.09	25.95	206.0	.273	
106	10.26	33.783	5.09	1.73	20	0.24	203.6	125	9.31	33.76	3.65	26.12	190.3	.323	
120	9.40	33.714	3.82	1.91	24	0.03	195.1	150	8.84	33.92	3.13	26.32	171.3	.369	
137	9.14	33.879	3.38	2.12	29	0.23	178.9	200	8.12	34.02	2.78	26.51	153.4	.451	
159	8.66	33.942	3.01	2.17	32	-	167.0	250	7.43	34.06	2.30	26.64	140.8	.527	
194	8.20	34.012	2.81	2.29	42	-	155.1	300	7.08	34.12	1.58	26.74	131.7	.597	
237	7.56	34.043	2.48	2.47	42	-	143.9	400	6.22	34.18	.96	26.90	116.3	.726	
300	7.08	34.123	1.58	2.84	52	-	131.5	500	5.51	34.25	.50	27.04	102.6	.841	
375	6.42	34.162	1.13	3.08	62	-	120.1	600	4.97	34.32	.44	27.16	91.3	.945	
451	5.85	34.220	.65	3.21	75	-	108.8	700	4.59	34.37	.44	27.24	83.5	1.039	
559	5.17	34.291	.44	3.38	86	-	95.7	800	4.27	34.40	.45	27.30	78.0	1.127	
682	4.66	34.362	.44	3.44	96	-	84.9	1000	3.90	34.48	-	27.40	68.3	1.290	
812	4.24	34.408	.46	3.47	107	-	77.1								
882	4.11	34.437	.58	3.44	110	-	73.6								

77.51	CCOFI CRUISE 6407													77.51
ALEXANDER AGASSIZ, JUNE 24 1964, 1434 GCT, 35 02N 120 56.5W, SOUNDING 174 FM, WIND 120 FORCE 1, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 02.														
C	11.84	33.732	7.31	0.74	9	0.21	234.3	0	11.84	33.73	7.31	25.65	234.5	0
10	10.77	33.783	6.13	1.29	17	0.25	212.1	10	10.77	33.78	6.13	25.89	212.3	.022
30	10.24	33.787	5.30	1.53	21	0.28	203.0	20	10.28	33.79	5.32	25.98	203.4	.043
45	9.31	33.754	3.77	1.97	26	0.06	190.7	30	10.24	33.79	5.30	25.99	202.8	.064
55	9.24	33.836	3.66	2.06	27	0.09	183.6	50	9.26	33.80	3.70	26.16	186.5	.103
70	9.40	33.944	3.17	2.22	29	0.30	178.0	75	9.33	33.96	3.05	26.27	175.8	.148
85	9.01	33.975	2.78	2.26	35	0.02	169.8	100	8.96	34.04	2.27	26.39	164.2	.191
106	8.94	34.062	2.13	2.44	38	0.10	162.3	125	8.86	34.10	1.74	26.46	158.2	.232
130	8.85	34.108	1.73	2.70	41	0.02	157.5	150	8.79	34.12	1.74	26.48	155.7	.272
150	8.79	34.124	1.74	2.59	42	0.00	155.4	200	8.23	34.15	1.54	26.59	145.3	.349
184	8.43	34.144	1.54	-	-	-	148.6	250	7.95	34.19	1.35	26.67	138.3	.422
214	8.07	34.155	1.55	-	-	-	142.6							
254	7.93	34.195	1.31	-	-	-	137.7							

77.55				CCCFI CRUISE 6407												77.55			
ALEXANDER AGASSIZ, JUNE 24 1964, 1839 GCT, 34 54.5N 121 13W, SOUNDING 305 FM, WIND 150 FORCE 2, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 01.																			
C	13.54	33.716	7.36	0.47	2	0.25	267.2	0	13.54	33.72	7.36	25.31	266.9	0					
10	12.84	33.714	6.91	0.68	3	0.25	254.0	10	12.84	33.71	6.91	25.45	254.2	.026					
30	12.02	33.772	6.15	0.99	7	0.33	234.6	20	12.44	33.74	6.61	25.55	244.6	.051					
40	11.56	33.724	5.67	1.23	9	0.34	230.0	30	12.02	33.77	6.15	25.65	234.8	.075					
50	11.05	33.720	5.23	1.43	12	0.39	221.5	50	11.05	33.72	5.23	25.79	221.5	.121					
65	10.80	33.919	4.76	1.70	18	0.31	202.5	75	10.18	33.92	3.73	26.10	192.2	.173					
80	10.24	33.955	3.66	1.97	22	0.31	190.6	100	9.80	33.94	3.29	26.18	184.6	.220					
100	9.80	33.940	3.29	2.09	23	0.32	184.6	125	9.32	34.06	2.12	26.35	168.2	.265					
125	9.32	34.060	2.12	2.41	28	0.22	168.2	150	8.88	34.12	1.87	26.47	157.0	.306					
145	8.94	34.111	1.90	2.53	34	0.06	158.6	200	8.49	34.20	1.43	26.59	145.3	.384					
175	8.64	34.167	1.58	-	-	-	150.0	250	8.02	34.19	1.53	26.66	139.3	.457					
205	8.47	34.204	1.43	-	-	-	144.7	300	7.33	34.15	1.63	26.72	132.8	.527					
235	8.34	34.209	1.44	-	-	-	142.5	400	6.74	34.26	.82	26.89	116.8	.657					
275	7.44	34.135	1.84	-	-	-	135.4	500	5.99	34.27	-	27.00	106.8	.775					
335	7.20	34.198	1.22	-	-	-	127.5												
410	6.66	34.260	.79	-	-	-	115.8												
479	6.14	34.264	.75	-	-	-	109.0												
554	5.66	-	-	-	-	-	-												

77.60	CCGI CRUISE 6407												77.60	
ALEXANDER AGASSIZ, JUNE 24 1964, 2259 GCT, 34 44N 121 33.5W, SOUNDING 448 FM, WIND 110 FORCE 2, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 12.														
C	14.40	33.651	-	-	-	-	286.0	0	14.40	33.69	-	25.11	286.1	0
10	13.34	33.702	-	-	-	-	264.3	10	13.34	33.70	-	25.34	264.5	.028
29	12.50	33.722	-	-	-	-	247.0	20	13.13	33.71	-	25.39	259.7	.054
39	11.02	33.665	-	-	-	-	225.0	30	12.35	33.72	-	25.55	244.4	.079
54	10.36	33.725	-	-	-	-	209.5	50	10.54	33.70	-	25.87	214.4	.125
68	9.76	33.809	-	-	-	-	193.7	75	9.78	33.83	-	26.10	192.4	.176
94	9.40	33.957	-	-	-	-	177.1	100	9.16	33.99	-	26.32	170.9	.222
113	8.69	34.015	-	-	-	-	162.0	125	8.37	34.02	-	26.47	157.0	.264
132	8.22	34.015	-	-	-	-	155.2	150	7.99	34.02	-	26.53	151.5	.303
153	7.96	34.020	-	-	-	-	151.1	200	7.38	34.02	-	26.62	143.1	.378
181	7.73	34.019	-	-	-	-	148.0	250	6.68	34.05	-	26.74	131.7	.448
216	7.10	34.028	-	-	-	-	138.8	300	6.07	34.07	-	26.83	122.7	.514
246	6.72	34.044	-	-	-	-	132.7	400	5.78	34.19	-	26.96	110.3	.635
295	6.12	34.068	-	-	-	-	123.5	500	5.71	34.32	-	27.07	99.7	.746
349	5.65	34.097	-	-	-	-	115.7	600	5.15	34.37	-	27.18	89.6	.847
433	5.88	34.264	-	-	-	-	105.9							
517	5.64	34.327	-	-	-	-	98.4							
602	5.14	34.367	-	-	-	-	89.7							

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
77.62								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 0119 GCT, 34 38.5N 121 44.5W, SOUNDING 1630 FM, WIND 050 FORCE 2, WEATHER FOG, SEA VERY ROUGH, WIRE ANGLE 08.								77.62							
C	15.06	33.779	-	-	-	-	293.0	0	15.06	33.78	-	25.04	293.0	0	
10	13.26	33.767	-	-	-	-	258.0	10	13.26	33.77	-	25.41	257.8	.028	
30	11.92	33.862	-	-	-	-	226.2	20	12.52	33.81	-	25.59	240.9	.053	
40	11.04	33.959	-	-	-	-	203.6	30	11.92	33.86	-	25.74	226.3	.076	
55	9.68	33.959	-	-	-	-	181.3	50	9.92	33.96	-	26.17	185.0	.117	
70	9.28	33.959	-	-	-	-	175.1	75	9.17	33.96	-	26.30	173.3	.162	
95	8.80	34.008	-	-	-	-	164.2	100	8.75	34.02	-	26.41	162.5	.205	
114	8.59	34.060	-	-	-	-	157.2	125	8.39	34.07	-	26.51	153.5	.245	
134	8.25	34.069	-	-	-	-	151.6	150	8.11	34.06	-	26.54	150.3	.283	
154	8.08	34.059	-	-	-	-	149.9	200	7.75	34.14	-	26.66	139.3	.357	
184	7.84	34.107	-	-	-	-	143.0	250	6.68	34.08	-	26.76	129.5	.426	
218	7.62	34.164	-	-	-	-	135.7	300	6.34	34.11	-	26.83	123.0	.491	
248	6.71	34.076	-	-	-	-	130.2	400	6.17	34.22	-	26.94	112.7	.614	
296	6.34	34.105	-	-	-	-	123.4	500	5.57	34.31	-	27.08	98.8	.725	
350	6.37	34.183	-	-	-	-	117.9	600	5.16	34.36	-	27.17	90.4	.827	
434	5.98	34.256	-	-	-	-	107.7								
517	5.49	34.321	-	-	-	-	97.1								
601	5.16	34.360	-	-	-	-	90.4								
77.65								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 0301 GCT, 34 34N 121 55W, SOUNDING 2013 FM, WIND 340 FORCE 2, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 07.								77.65							
C	14.88	33.711	-	-	-	-	294.3	0	14.88	33.71	-	25.02	294.4	0	
10	13.31	33.727	-	-	-	-	261.9	10	13.31	33.73	-	25.37	261.7	.028	
30	10.24	33.834	-	-	-	-	199.5	20	10.70	33.79	-	25.91	210.4	.051	
40	9.90	33.912	-	-	-	-	188.3	30	10.24	33.83	-	26.02	199.8	.072	
54	9.36	33.946	-	-	-	-	177.3	50	9.50	33.94	-	26.23	179.9	.110	
70	9.08	33.972	-	-	-	-	171.0	75	8.92	33.97	-	26.35	168.8	.154	
85	8.58	33.987	-	-	-	-	162.5	100	8.50	34.00	-	26.43	160.3	.196	
113	8.29	34.012	-	-	-	-	156.4	125	8.32	34.07	-	26.52	152.5	.235	
133	8.35	34.084	-	-	-	-	151.9	150	8.24	34.09	-	26.54	149.9	.274	
152	8.22	34.093	-	-	-	-	149.4	200	8.04	34.21	-	26.67	138.1	.347	
183	8.14	34.186	-	-	-	-	141.3	250	7.68	34.24	-	26.75	130.8	.416	
216	7.92	34.225	-	-	-	-	135.3	300	7.07	34.25	-	26.84	121.9	.482	
245	7.72	34.243	-	-	-	-	131.2	400	6.31	34.27	-	26.96	110.7	.603	
293	7.16	34.253	-	-	-	-	122.8	500	5.79	34.30	-	27.05	102.2	.715	
345	6.62	34.240	-	-	-	-	116.8	600	5.13	34.33	-	27.15	92.4	.819	
427	6.18	34.282	-	-	-	-	108.2								
508	5.74	34.305	-	-	-	-	101.2								
585	5.20	34.330	-	-	-	-	93.1								
77.68								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 0547 GCT, 34 28N 122 05.5W, SOUNDING 2000 FM, WIND 330 FORCE 2, WEATHER MISSING, SEA MISSING, WIRE ANGLE 08.								77.68							
1	13.98	33.582	-	-	-	-	285.6	0	13.98	33.58	-	25.11	285.7	0	
11	12.66	33.652	-	-	-	-	255.2	10	12.70	33.65	-	25.43	256.0	.027	
31	10.44	33.723	-	-	-	-	211.0	20	10.90	33.72	-	25.82	218.9	.051	
41	9.44	33.663	-	-	-	-	199.5	30	10.50	33.72	-	25.89	212.2	.072	
55	9.79	33.843	-	-	-	-	191.6	50	9.40	33.73	-	26.08	193.9	.113	
70	9.58	33.850	-	-	-	-	187.8	75	9.49	33.88	-	26.18	184.2	.161	
85	9.20	33.972	-	-	-	-	172.9	100	8.97	33.99	-	26.35	168.0	.205	
114	8.77	33.983	-	-	-	-	165.6	125	8.53	33.99	-	26.42	161.5	.247	
134	8.36	33.997	-	-	-	-	158.5	150	8.12	34.01	-	26.50	154.1	.287	
154	8.07	34.017	-	-	-	-	152.9	200	7.60	34.07	-	26.62	142.4	.363	
183	7.72	34.055	-	-	-	-	145.2	250	7.19	34.11	-	26.71	133.9	.434	
218	7.50	34.084	-	-	-	-	140.0	300	6.74	34.15	-	26.81	125.0	.500	
247	7.23	34.112	-	-	-	-	134.3	400	6.24	34.23	-	26.94	112.8	.624	
296	6.76	34.140	-	-	-	-	126.0	500	5.53	34.25	-	27.04	102.9	.738	
350	6.66	34.224	-	-	-	-	118.5	600	5.10	34.32	-	27.15	92.8	.842	
434	5.94	34.231	-	-	-	-	109.1								
519	5.44	34.267	-	-	-	-	100.6								
604	5.08	34.325	-	-	-	-	92.2								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT								COMPUTED							
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
77.70								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 25 1964, 0748 GCT, 34 23.5N 122 17.5W, SOUNDING 2000 FM, WIND 260 FORCE 2, WEATHER MISSING, SEA MISSING, WIRE ANGLE 30.								77.70							
2	15.60	33.320	-	-	-	-	337.9	0	15.60	33.32	-	24.57	337.9	0	
10	14.43	33.403	-	-	-	-	307.7	10	14.43	33.40	-	24.88	307.9	.032	
27	11.80	33.382	-	-	-	-	259.4	20	13.00	33.39	-	25.17	280.8	.062	
36	12.12	33.585	-	-	-	-	250.2	30	11.80	33.43	-	25.43	255.9	.089	
48	10.93	33.616	-	-	-	-	227.1	50	10.70	33.61	-	25.77	223.7	.137	
61	10.94	33.731	-	-	-	-	218.8	75	9.99	33.81	-	26.05	197.3	.190	
73	10.05	33.800	-	-	-	-	199.0	100	9.25	33.86	-	26.21	181.9	.238	
98	9.34	33.859	-	-	-	-	183.4	125	8.71	33.89	-	26.32	171.6	.282	
113	8.85	33.838	-	-	-	-	177.5	150	8.39	33.97	-	26.43	161.0	.324	
128	8.68	33.901	-	-	-	-	170.3	200	8.01	34.07	-	26.56	148.1	.403	
149	8.40	33.966	-	-	-	-	161.4	250	7.55	34.12	-	26.67	138.0	.477	
174	8.16	34.024	-	-	-	-	153.6	300	7.03	34.14	-	26.76	129.5	.546	
195	8.04	34.065	-	-	-	-	148.9	400	6.19	34.18	-	26.90	115.9	.673	
231	7.72	34.101	-	-	-	-	141.7	500	5.54	34.23	-	27.02	104.5	.789	
271	7.36	34.128	-	-	-	-	134.8								
337	6.64	34.155	-	-	-	-	123.4								
407	6.15	34.184	-	-	-	-	115.1								
483	5.65	34.224	-	-	-	-	106.2								

77.200 CCCFI CRUISE 6407 77.200
ALEXANDER AGASSIZ, JULY 8 1964, 0057 GCT, 30 07N 131 10W, SOUNDING 2400 FM, WIND 020 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 17.

484A	5.82	34.165	.88	-	-	-	112.6
486	5.78	34.162	.84	-	-	-	112.4
49C	5.79	34.170	.84	-	-	-	111.9
504	5.40	34.133	.94	-	-	-	110.1
507	5.44	34.143	.95	-	-	-	109.9
510	5.41	34.147	.92	-	-	-	109.2
524	5.20	34.146	.89	-	-	-	106.9
527	5.20	34.153	.91	-	-	-	106.4
530	5.23	34.164	.83	-	-	-	105.9
543	5.24	34.176	.76	-	-	-	105.1
546	5.24	34.186	.77	-	-	-	104.4
549	5.24	34.190	.73	-	-	-	104.1
563	5.16	34.208	.65	-	-	-	101.8
566	5.17	34.216	.65	-	-	-	101.3
569	5.16	34.211	.63	-	-	-	101.6
583	5.11	34.218	.55	-	-	-	100.5
586	5.08	34.220	.58	-	-	-	100.1
589	5.02	34.220	.59	-	-	-	99.4

78.51A CCCFI CRUISE 6407 78.51A
ALEXANDER AGASSIZ, JUNE 23 1964, 2057 GCT, 34 52.5N 120 49W, SOUNDING 68 FM, WIND 230 FORCE 1, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 05.

C	12.44	33.763	-	-	-	-	242.9	0	12.44	33.76	-	25.56	243.1	0	
10	11.26	33.806	-	-	-	-	218.7	10	11.26	33.81	-	25.82	218.4	.023	
25	10.60	33.877	-	-	-	-	202.3	20	10.83	33.85	-	25.93	208.1	.044	
35	10.06	33.905	-	-	-	-	191.4	30	10.28	33.89	-	26.06	196.0	.065	
45	9.83	33.946	-	-	-	-	184.6	50	9.68	33.96	-	26.21	181.2	.103	
60	9.46	33.986	-	-	-	-	175.8	75	9.44	33.99	-	26.28	175.2	.147	
75	9.44	33.992	-	-	-	-	175.1	100	9.27	34.02	-	26.33	170.4	.191	
101	9.26	34.026	-	-	-	-	169.8								

78.53A CCCFI CRUISE 6407 78.53A
ALEXANDER AGASSIZ, JUNE 23 1964, 1920 GCT, 34 47.5N 120 57.5W, SOUNDING 180 FM, WIND 190 FORCE 2, WEATHER FOG, SEA SLIGHT, WIRE ANGLE 17.

C	12.56	33.787	-	-	-	-	243.4	0	12.56	33.79	-	25.56	243.2	0	
9	11.66	33.816	-	-	-	-	225.0	10	11.63	33.82	-	25.76	224.1	.023	
28	10.66	33.730	-	-	-	-	214.1	20	11.40	33.80	-	25.79	221.6	.046	
43	9.97	33.734	-	-	-	-	202.6	30	10.53	33.73	-	25.89	212.0	.067	
57	10.26	33.960	-	-	-	-	190.5	50	9.90	33.85	-	26.09	192.9	.108	
71	10.05	-	-	-	-	-	-	75	9.99	33.98	-	26.18	184.7	.156	
85	9.83	33.985	-	-	-	-	181.7	100	9.44	34.03	-	26.31	172.3	.201	
104	9.38	34.037	-	-	-	-	170.8	125	9.15	34.07	-	26.39	164.8	.243	
127	9.13	34.076	-	-	-	-	164.1	150	8.94	34.11	-	26.45	158.7	.284	
145	8.98	34.099	-	-	-	-	160.1	200	8.77	34.15	-	26.51	153.2	.364	
187	8.86	34.123	-	-	-	-	156.5	250	8.55	34.19	-	26.58	147.0	.441	
221	8.62	34.171	-	-	-	-	149.4	300	8.10	34.23	-	26.68	137.5	.515	
255	8.53	34.190	-	-	-	-	146.7								
295	8.16	34.222	-	-	-	-	138.9								

A1 TEST CAST.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
78.65A								CCDFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 23 1964, 0918 GCT, 34 24N 121 47.5W, SOUNDING 2002 FM, WIND 260 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 17.								78.65A							
1	13.56	33.726	-	-	-	-	266.8	0	13.56	33.73	-	25.32	266.5	0	
10	13.10	33.716	-	-	-	-	258.7	10	13.10	33.72	-	25.40	258.4	.026	
30	11.46	33.856	-	-	-	-	218.5	20	12.25	33.78	-	25.61	238.2	.051	
39	10.46	33.884	-	-	-	-	199.4	30	11.46	33.86	-	25.82	218.2	.074	
53	10.23	33.975	-	-	-	-	188.9	50	10.27	33.97	-	26.12	190.0	.115	
67	9.44	-	-	-	-	-	-	75	9.25	33.95	-	26.28	175.3	.161	
90	8.91	33.560	-	-	-	-	169.4	100	8.80	33.99	-	26.38	165.5	.204	
109	8.70	34.044	-	-	-	-	160.0	125	8.51	34.07	-	26.49	155.3	.245	
127	8.48	34.072	-	-	-	-	154.7	150	8.12	34.08	-	26.55	148.9	.283	
145	8.15	34.073	-	-	-	-	149.9	200	7.87	34.15	-	26.65	140.2	.357	
172	8.04	34.125	-	-	-	-	144.4	250	7.50	34.18	-	26.72	132.8	.427	
204	7.84	34.153	-	-	-	-	139.5	300	7.24	34.22	-	26.79	126.4	.494	
233	7.60	34.166	-	-	-	-	135.2	400	6.33	34.27	-	26.96	110.9	.618	
278	7.37	34.202	-	-	-	-	129.4	500	5.73	34.29	-	27.05	102.2	.730	
330	7.03	34.245	-	-	-	-	121.7								
409	6.25	34.273	-	-	-	-	109.7								
491	5.78	34.289	-	-	-	-	102.9								
573	5.29	34.312	-	-	-	-	95.5								

78.70A

CCDFI CRUISE 6407

78.70A

ALEXANDER AGASSIZ, JUNE 23 1964, 0514 GCT, 34 14N 122 09W, SOUNDING 2050 FM, WIND 290 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 14.

C	13.14	33.365	-	-	-	-	285.3	0	13.14	33.36	-	25.12	285.6	0	
10	12.28	33.292	-	-	-	-	274.7	10	12.28	33.29	-	25.23	274.8	.028	
29	11.66	33.354	-	-	-	-	259.0	20	11.75	33.32	-	25.35	263.1	.055	
39	10.98	33.440	-	-	-	-	240.9	30	11.64	33.36	-	25.40	258.2	.081	
50	10.94	33.481	-	-	-	-	237.2	50	10.94	33.48	-	25.62	237.3	.131	
63	10.60	33.555	-	-	-	-	226.1	75	10.38	33.64	-	25.85	216.2	.188	
78	10.31	33.645	-	-	-	-	214.6	100	9.43	33.68	-	26.04	198.1	.240	
97	9.49	33.673	-	-	-	-	199.5	125	9.06	33.85	-	26.23	179.8	.288	
120	9.14	33.818	-	-	-	-	183.4	150	8.66	33.95	-	26.37	166.4	.332	
139	8.79	33.912	-	-	-	-	171.1	200	8.25	34.09	-	26.54	150.0	.412	
168	8.50	34.009	-	-	-	-	159.7	250	7.60	34.13	-	26.67	137.9	.486	
196	8.30	34.083	-	-	-	-	151.3	300	7.12	34.15	-	26.75	130.0	.555	
225	7.92	34.101	-	-	-	-	144.5	400	6.14	34.18	-	26.91	115.3	.683	
263	7.46	34.140	-	-	-	-	135.3	500	5.57	34.24	-	27.03	104.1	.799	
321	6.93	34.159	-	-	-	-	126.8								
392	6.21	34.177	-	-	-	-	116.4								
467	5.72	34.209	-	-	-	-	108.1								
546	5.42	34.282	-	-	-	-	99.2								

78.53B

CCDFI CRUISE 6407

78.53B

ALEXANDER AGASSIZ, JUNE 22 1964, 0823 GCT, 34 40N 120 51.5W, SOUNDING 112 FM, WIND 010 FORCE 2, WEATHER FOG, SEA SLIGHT, WIRE ANGLE 05.

C	11.26	33.882	7.67	C.67	11	0.16	213.1	0	11.26	33.88	7.67	25.88	213.3	0	
10	10.50	33.877	5.44	1.40	19	0.28	200.6	10	10.50	33.88	5.44	26.01	200.4	.021	
30	10.10	33.928	4.22	1.83	24	0.28	190.3	20	10.32	33.89	4.84	26.05	196.7	.041	
40	9.85	33.949	3.57	2.03	27	0.29	184.7	30	10.10	33.93	4.22	26.12	190.1	.060	
55	9.57	33.961	3.21	2.10	30	0.28	179.4	50	9.64	33.96	3.29	26.22	180.6	.097	
70	9.44	33.963	2.99	2.06	30	0.27	177.2	75	9.39	33.97	2.84	26.27	175.9	.142	
85	9.28	33.986	2.58	2.29	34	0.25	173.1	100	9.24	34.00	2.45	26.32	171.4	.186	
104	9.23	34.005	2.42	2.35	34	0.27	170.9	125	9.17	34.01	2.27	26.34	169.6	.229	
129	9.15	34.020	2.23	2.44	36	0.25	168.5	150	9.05	34.05	2.08	26.39	164.8	.272	
153	9.03	34.062	2.04	2.49	39	0.23	163.6	200	8.67	34.13	-	26.51	153.2	.353	
184	8.80	34.117	1.79	-	-	-	156.1								

78.58B

CCDFI CRUISE 6407

78.58B

ALEXANDER AGASSIZ, JUNE 22 1964, 1216 GCT, 34 30.5N 121 11W, SOUNDING 645 FM, WIND 300 FORCE 2, WEATHER DRIZZLE, SEA SLIGHT, WIRE ANGLE 00.

C	13.18	33.658	6.78	C.72	3	0.19	264.5	C	13.18	33.66	6.78	25.34	264.3	0	
10	13.08	33.666	6.62	0.69	3	0.20	262.0	10	13.08	33.67	6.62	25.37	261.7	.026	
30	11.76	33.802	6.64	0.85	7	0.26	227.8	20	11.90	33.72	6.64	25.63	236.3	.051	
40	10.66	33.701	5.08	1.40	13	0.35	216.3	30	11.76	33.80	6.64	25.72	227.9	.075	
55	10.04	33.750	4.12	1.77	19	0.27	202.5	50	10.19	33.74	4.26	25.96	205.7	.118	
70	9.78	33.785	3.80	1.85	21	-	195.8	75	9.71	33.80	3.70	26.08	193.5	.168	
96	9.57	33.926	3.22	2.02	27	0.20	182.0	100	9.56	33.95	3.10	26.23	180.1	.215	
115	9.54	34.006	2.64	2.23	30	0.02	175.6	125	9.41	34.03	2.46	26.31	171.8	.260	
135	9.24	34.048	2.28	2.34	33	0.03	167.9	150	9.02	34.08	2.00	26.42	162.1	.302	
155	8.98	34.095	1.93	2.44	36	0.00	160.4	200	8.67	34.16	1.81	26.53	150.9	.382	
185	8.78	34.146	1.95	2.60	39	-	153.6	250	8.24	34.21	1.30	26.64	141.0	.457	
220	8.50	34.170	1.56	2.63	41	-	147.7	300	7.10	34.16	1.40	26.76	129.0	.527	
249	8.25	34.209	1.29	2.74	45	-	141.2	400	6.06	34.19	.88	26.93	113.6	.653	
299	7.11	34.162	1.41	2.82	54	-	129.0	500	5.57	34.26	.57	27.04	102.6	.767	
355	6.62	34.195	1.04	3.02	62	-	120.2	600	5.22	34.35	.46	27.16	91.9	.871	
435	5.63	34.189	.74	3.20	76	-	108.6								
523	5.54	34.288	.51	3.33	81	-	100.1								
608	5.19	34.356	.46	3.36	89	-	91.1								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
78.608								78.608							
CCOFI CRUISE 6407															
ALEXANDER AGASSIZ, JUNE 22 1964, 1427 GCT, 34 26N 121 21.5W, SOUNDING 1580 FM, WIND 290 FORCE 2, WEATHER FOG, SEA VERY RCLGH, WIRE ANGLE 05.															
0	13.00	33.725	-	-	-	-	256.2	0	13.00	33.72	-	25.42	256.5	0	
10	12.98	33.731	-	-	-	-	255.3	10	12.98	33.73	-	25.43	255.4	.026	
30	10.68	33.618	-	-	-	-	222.7	20	12.65	33.72	-	25.49	250.0	.051	
41	10.32	33.725	-	-	-	-	208.9	30	10.68	33.62	-	25.78	222.6	.075	
51	9.98	33.795	-	-	-	-	198.2	50	9.99	33.78	-	26.02	199.5	.117	
66	9.80	33.839	-	-	-	-	192.1	75	9.71	33.85	-	26.12	189.8	.166	
81	9.62	33.862	-	-	-	-	187.5	100	9.24	33.97	-	26.29	173.6	.212	
100	9.24	33.970	-	-	-	-	173.6	125	8.85	34.01	-	26.39	164.8	.255	
125	8.85	34.006	-	-	-	-	165.1	150	8.40	34.02	-	26.47	157.4	.296	
145	8.49	34.015	-	-	-	-	159.1	200	7.73	34.01	-	26.56	148.6	.374	
174	8.06	34.020	-	-	-	-	152.5	250	6.99	34.04	-	26.69	136.5	.447	
204	7.67	34.010	-	-	-	-	147.8	300	6.58	34.06	-	26.76	129.7	.515	
233	7.10	34.028	-	-	-	-	138.8	400	5.53	34.09	-	26.91	114.8	.642	
273	6.88	34.051	-	-	-	-	134.2	500	5.20	34.23	-	27.06	100.6	.755	
331	6.18	34.060	-	-	-	-	124.8								
405	5.50	34.095	-	-	-	-	114.1								
479	5.24	34.202	-	-	-	-	103.2								
558	5.17	34.305	-	-	-	-	94.7								
78.628								78.628							
CCCFI CRUISE 6407															
ALEXANDER AGASSIZ, JUNE 22 1964, 1648 GCT, 34 21N 121 31.5W, SOUNDING 1970 FM, WIND 120 FORCE 2, WEATHER OVERCAST, SEA VERY RCLGH, WIRE ANGLE 09.															
1	13.32	33.780	-	-	-	-	258.2	0	13.32	33.78	-	25.40	258.2	0	
11	13.12	33.780	-	-	-	-	254.4	10	13.14	33.78	-	25.44	254.8	.026	
30	11.47	33.810	-	-	-	-	222.1	20	12.60	33.79	-	25.55	243.9	.051	
40	10.48	33.816	-	-	-	-	204.8	30	11.47	33.81	-	25.78	222.1	.074	
55	9.74	33.812	-	-	-	-	193.1	50	10.00	33.81	-	26.04	197.4	.116	
70	9.36	33.870	-	-	-	-	182.9	75	9.27	33.90	-	26.23	179.3	.164	
94	9.02	33.990	-	-	-	-	168.8	100	8.95	34.00	-	26.36	167.0	.207	
115	8.76	34.015	-	-	-	-	163.0	125	8.70	34.05	-	26.44	159.6	.249	
134	8.68	34.075	-	-	-	-	157.4	150	8.56	34.09	-	26.50	154.5	.288	
154	8.52	34.089	-	-	-	-	154.0	200	7.85	34.10	-	26.61	143.6	.365	
183	8.16	34.093	-	-	-	-	148.5	250	7.38	34.13	-	26.70	134.9	.436	
217	7.62	34.119	-	-	-	-	139.0	300	6.51	34.09	-	26.79	126.6	.503	
246	7.42	34.131	-	-	-	-	135.4	400	6.06	34.20	-	26.93	112.9	.628	
294	6.53	34.083	-	-	-	-	127.4	500	5.36	34.25	-	27.06	100.9	.740	
348	6.47	34.175	-	-	-	-	119.8	600	5.14	34.34	-	27.16	91.7	.843	
430	5.82	34.211	-	-	-	-	109.2								
513	5.30	34.258	-	-	-	-	99.6								
596	5.15	34.341	-	-	-	-	91.8								
78.658								78.658							
CCCFI CRUISE 6407															
ALEXANDER AGASSIZ, JUNE 22 1964, 1837 GCT, 34 16N 121 42W, SOUNDING 2000 FM, WIND 100 FORCE 1, WEATHER OVERCAST, SEA VERY RCLGH, WIRE ANGLE 07.															
1	13.69	33.713	6.84	0.57	6	0.23	270.3	0	13.69	33.71	6.84	25.27	270.5	0	
11	-	33.715	6.73	0.57	5	0.22	-	10	13.61	33.71	6.77	25.29	269.0	.027	
31	11.04	33.836	5.11	1.50	18	0.36	212.7	20	13.50	33.72	6.69	25.32	266.1	.054	
62	9.90	33.761	3.76	2.14	32	0.35	184.6	30	11.15	33.83	5.17	25.86	215.1	.078	
81	9.10	33.936	2.98	2.18	36	0.17	174.0	50	10.00	33.94	3.94	26.15	187.8	.118	
96	8.70	33.972	2.93	2.19	39	0.06	165.3	75	9.10	33.94	2.98	26.29	173.7	.164	
111	8.66	33.998	2.64	2.28	40	0.05	162.8	100	8.69	33.98	2.81	26.39	164.6	.207	
135	8.55	34.070	1.99	2.55	46	0.02	155.9	125	8.61	34.05	2.15	26.46	158.2	.247	
155	8.40	34.079	1.89	2.59	48	0.03	153.0	150	8.45	34.08	1.92	26.50	153.7	.287	
180	8.18	34.102	1.89	2.60	50	0.03	148.1	200	7.82	34.09	1.96	26.61	143.9	.363	
210	7.65	34.089	1.99	2.58	54	-	141.7	250	7.33	34.14	1.50	26.72	133.5	.434	
260	7.25	34.156	1.39	2.84	61	-	131.3	300	6.87	34.19	1.04	26.82	123.7	.501	
319	6.68	34.200	.91	3.04	65	-	120.5	400	6.13	34.26	.62	26.97	109.2	.622	
408	6.09	34.268	.61	3.20	78	-	108.1	500	5.72	34.32	.56	27.07	99.8	.732	
517	5.64	34.327	.54	3.32	87	-	98.4	600	5.28	34.35	-	27.15	92.5	.835	
625	5.17	34.363	-	3.34	97	-	90.3	700	4.84	34.39	-	27.23	84.7	.931	
784	4.52	34.422	.50	3.44	110	-	78.9	800	4.47	34.42	.51	27.30	78.5	1.021	
952	4.02	34.466	.69	3.42	121	-	70.5	1000	3.88	34.48	.73	27.41	68.1	1.184	
1111	3.56	34.506	.84	3.41	131	-	63.1	1200	3.32	34.52	.97	27.49	59.8	1.330	
1190	3.34	34.522	.95	3.33	134	-	59.9								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT								COMPUTED							
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
78.708								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JUNE 22 1964, 2159 GCT, 34 05.5N 122 03W, SOUNDING 2018 FM, WIND 220 FORCE 2, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 05.								78.708							
1	13.19	33.542	-	-	-	-	273.2	0	13.19	33.54	-	25.25	273.4	0	
11	13.17	33.705	-	-	-	-	260.9	10	13.17	33.70	-	25.37	261.2	.027	
31	10.84	33.546	-	-	-	-	230.7	20	11.90	33.62	-	25.56	243.7	.052	
41	10.60	33.600	-	-	-	-	222.7	30	10.87	33.55	-	25.69	231.0	.076	
56	9.85	33.625	-	-	-	-	208.7	50	10.10	33.62	-	25.88	213.1	.120	
71	9.54	33.669	-	-	-	-	200.6	75	9.51	33.70	-	26.04	197.8	.172	
86	9.46	33.856	-	-	-	-	185.5	100	9.23	33.91	-	26.25	177.9	.219	
114	9.00	33.928	-	-	-	-	173.1	125	8.86	33.94	-	26.33	170.1	.263	
134	8.74	33.943	-	-	-	-	168.1	150	8.40	33.98	-	26.43	160.4	.305	
153	8.36	33.990	-	-	-	-	159.0	200	7.83	34.02	-	26.55	149.3	.384	
182	8.02	34.014	-	-	-	-	152.4	250	7.07	34.02	-	26.66	139.0	.458	
216	7.62	34.019	-	-	-	-	146.5	300	6.60	34.07	-	26.76	129.2	.527	
244	7.16	34.02	-	-	-	-	140.2	400	6.21	34.20	-	26.92	114.7	.654	
293	6.63	34.058	-	-	-	-	130.5	500	5.50	34.25	-	27.04	102.5	.768	
347	6.46	34.142	-	-	-	-	122.1	600	5.07	34.33	-	27.16	91.7	.872	
430	6.02	34.220	-	-	-	-	110.9								
514	5.42	34.259	-	-	-	-	100.9								
598	5.08	34.327	-	-	-	-	92.0								

78.758 CCOFI CRUISE 6407 78.758
ALEXANDER AGASSIZ, JUNE 23 1964, 0151 GCT, 33 55.5N 122 22.5W, SOUNDING 2000+ FM, WIND 320 FORCE 3, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 15.

1	13.48	33.529	6.66	0.76	3	0.17	279.7	0	13.48	33.53	6.66	25.18	279.6	0	
11	13.00	33.519	6.63	0.76	4	0.19	271.3	10	13.00	33.52	6.63	25.27	271.2	.028	
30	12.22	33.567	6.27	1.00	6	0.23	253.3	20	12.87	33.52	6.60	25.29	268.8	.055	
59	10.52	33.628	5.04	1.47	13	0.32	219.3	30	12.22	33.57	6.27	25.46	253.1	.081	
79	10.16	33.696	4.73	1.64	18	0.17	208.4	50	10.86	33.61	5.27	25.74	226.4	.129	
94	9.77	33.796	4.05	1.85	22	0.20	194.8	75	10.24	33.67	4.84	25.89	211.7	.184	
108	9.34	33.836	3.72	2.03	27	0.23	185.1	100	9.58	33.81	3.91	26.11	190.8	.235	
132	8.84	33.928	2.90	2.21	33	0.01	170.7	125	8.96	33.91	3.09	26.29	173.8	.281	
151	8.65	33.977	2.56	2.30	36	0.01	164.2	150	8.66	33.97	2.57	26.39	164.9	.324	
176	8.38	34.015	2.42	2.32	38	0.01	157.5	200	8.13	34.05	2.37	26.53	151.3	.404	
204	8.09	34.049	2.37	2.42	40	-	150.8	250	7.42	34.05	2.34	26.63	141.4	.479	
252	7.38	34.046	2.34	2.50	45	-	141.2	300	6.58	34.04	2.09	26.74	131.2	.550	
310	6.46	34.039	2.02	2.68	54	-	129.8	400	6.04	34.15	1.02	26.90	116.4	.678	
396	6.05	34.148	1.08	3.02	67	-	116.6	500	5.66	34.25	.59	27.02	104.4	.794	
500	5.66	34.251	.59	3.29	77	-	104.3	600	5.08	34.33	.40	27.16	91.8	.899	
606	5.06	34.328	.39	3.34	89	-	91.7	700	4.71	34.37	.41	27.23	84.8	.994	
758	4.52	34.398	.44	3.41	99	-	80.7	800	4.39	34.41	.51	27.30	78.5	1.084	
920	3.96	34.458	.75	3.38	112	-	70.5	1000	3.73	34.48	.76	27.42	66.7	1.245	
1076	3.56	34.501	.78	3.37	120	-	63.5								
1157	3.37	34.519	.92	3.31	122	-	60.4								

79.53 CCOFI CRUISE 6407 79.53
ALEXANDER AGASSIZ, JUNE 22 1964, 0603 GCT, 34 30.5N 120 45.5W, SOUNDING 200 FM, WIND 010 FORCE 4, WEATHER OVERCAST, SEA MCCRATE, WIRE ANGLE 10. A)

1	12.68	33.939	-	-	-	-	234.4	0	12.68	33.94	-	25.66	234.4	0	
11	11.78	33.923	-	-	-	-	219.2	10	11.87	33.93	-	25.80	220.3	.023	
31	10.88	33.872	-	-	-	-	207.3	20	11.36	33.90	-	25.87	213.5	.044	
45	10.01	33.839	-	-	-	-	195.4	30	10.93	33.87	-	25.93	208.3	.066	
55	10.04	33.872	-	-	-	-	193.5	50	10.02	33.85	-	26.07	194.8	.106	
70	10.09	33.970	-	-	-	-	187.0	75	10.01	33.98	-	26.17	185.0	.154	
84	9.78	33.997	-	-	-	-	180.1	100	9.40	34.04	-	26.32	170.9	.199	
102	9.36	34.048	-	-	-	-	169.7	125	9.01	34.09	-	26.42	161.2	.241	
126	9.00	34.095	-	-	-	-	160.7	150	8.72	34.15	-	26.52	152.4	.281	
145	8.78	34.137	-	-	-	-	154.3	200	8.22	34.20	-	26.63	141.4	.356	
179	8.39	34.192	-	-	-	-	144.5	250	7.85	34.24	-	26.72	133.2	.426	
208	8.17	34.206	-	-	-	-	140.3								
248	7.88	34.235	-	-	-	-	134.0								

A) AN ESTIMATED WIRE ANGLE OF 10 DEGREES WAS USED FOR DEPTH DETERMINATION ON THIS STATION.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED		
Z	T	S	UXY	PHO	SIL	NIT	D*T	Z	T	S	UXY	SIG*T	D*T	DD	
79.65							CCOFI CRUISE 6407							79.65	
ALEXANDER AGASSIZ, JUNE 21 1964, 2156 GCT, 37 07N 121 36W, SOUNDING 1895 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 17.															
1	13.90	33.592	-	-	-	-	283.3	0	13.90	33.59	-	25.14	283.4	0	
10	13.16	33.727	-	-	-	-	259.0	10	13.16	33.73	-	25.40	258.8	.027	
30	12.37	33.801	-	-	-	-	238.8	20	13.07	33.74	-	25.42	256.4	.053	
39	10.80	33.734	-	-	-	-	216.2	30	12.37	33.80	-	25.61	238.9	.078	
54	10.08	33.754	-	-	-	-	202.8	50	10.50	33.74	-	25.90	210.7	.123	
68	9.57	33.802	-	-	-	-	191.2	75	9.49	33.84	-	26.15	187.1	.173	
91	9.32	33.914	-	-	-	-	179.0	100	9.22	33.95	-	26.28	174.8	.219	
111	9.08	33.985	-	-	-	-	170.1	125	8.90	34.04	-	26.40	163.3	.261	
130	8.84	34.045	-	-	-	-	162.0	150	8.59	34.06	-	26.47	157.2	.302	
148	8.62	34.057	-	-	-	-	157.9	200	7.58	34.05	-	26.61	143.6	.379	
176	8.24	34.089	-	-	-	-	150.0	250	6.88	34.07	-	26.72	132.8	.450	
208	7.38	34.037	-	-	-	-	141.9	300	6.52	34.09	-	26.79	126.7	.517	
237	7.04	34.069	-	-	-	-	135.0	400	6.46	34.28	-	26.95	111.8	.641	
285	6.50	34.056	-	-	-	-	129.0	500	5.56	34.27	-	27.05	101.7	.753	
337	6.62	34.202	-	-	-	-	119.6	600	5.10	34.35	-	27.17	90.5	.856	
419	6.35	34.291	-	-	-	-	109.6								
500	5.56	34.270	-	-	-	-	101.7								
583	5.16	34.327	-	-	-	-	92.9								

79.70 CCOFI CRUISE 6407 79.70
ALEXANDER AGASSIZ, JUNE 21 1964, 1901 GCT, 33 57N 121 57W, SOUNDING 2018 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 10.

C	14.35	33.569	-	-	-	-	293.9	0	14.35	33.57	-	25.03	293.8	0
10	14.28	33.569	-	-	-	-	292.5	10	14.28	33.57	-	25.04	292.4	.029
30	13.34	33.521	-	-	-	-	277.6	20	14.14	33.57	-	25.07	289.6	.058
40	11.61	33.435	-	-	-	-	252.2	30	13.34	33.52	-	25.20	277.7	.087
54	11.48	33.632	-	-	-	-	235.4	50	11.46	33.57	-	25.60	239.6	.139
70	10.21	33.738	-	-	-	-	206.1	75	10.00	33.75	-	26.00	201.9	.194
94	9.71	33.779	-	-	-	-	195.1	100	9.60	33.79	-	26.10	192.6	.244
114	9.29	33.829	-	-	-	-	184.9	125	9.02	33.88	-	26.26	177.0	.291
134	8.88	33.921	-	-	-	-	171.8	150	8.72	33.96	-	26.37	166.5	.334
154	8.68	33.968	-	-	-	-	165.3	200	8.01	34.04	-	26.54	150.3	.415
183	8.28	34.030	-	-	-	-	154.9	250	7.26	34.08	-	26.68	137.1	.489
217	7.76	34.048	-	-	-	-	146.2	300	7.23	34.19	-	26.77	128.5	.557
246	7.26	34.059	-	-	-	-	138.6	400	6.18	34.21	-	26.93	113.6	.683
294	7.26	34.191	-	-	-	-	128.8	500	5.72	34.31	-	27.06	100.6	.796
348	6.55	34.186	-	-	-	-	119.9	600	5.05	34.34	-	27.17	90.7	.899
431	6.02	34.235	-	-	-	-	109.8							
514	5.64	34.314	-	-	-	-	99.3							
597	5.08	34.338	-	-	-	-	91.2							

79.75 CCOFI CRUISE 6407 79.75
ALEXANDER AGASSIZ, JUNE 21 1964, 1543 GCT, 33 47N 122 17.5W, SOUNDING 2128 FM, WIND 320 FORCE 4, WEATHER CLOUDY, SEA RUGGY, WIRE ANGLE 20.

1	13.96	33.529	-	-	-	-	289.1	0	13.96	33.53	-	25.08	289.0	0
10	13.92	33.529	-	-	-	-	288.3	10	13.92	33.53	-	25.09	288.2	.029
34	13.10	33.525	-	-	-	-	272.7	20	13.92	33.53	-	25.09	288.2	.058
43	12.06	33.515	-	-	-	-	254.3	30	13.91	33.53	-	25.09	288.0	.087
58	11.12	33.618	-	-	-	-	230.2	50	11.57	33.56	-	25.57	242.3	.140
72	10.56	33.666	-	-	-	-	217.2	75	10.53	33.67	-	25.84	216.4	.198
94	9.64	33.761	-	-	-	-	195.3	100	9.54	33.78	-	26.10	192.4	.249
111	9.34	33.811	-	-	-	-	187.0	125	9.01	33.88	-	26.26	176.8	.296
128	8.93	33.901	-	-	-	-	174.0	150	8.60	33.95	-	26.38	165.5	.339
154	8.53	33.961	-	-	-	-	163.7	200	7.98	34.03	-	26.54	150.6	.420
179	8.26	34.012	-	-	-	-	156.0	250	7.47	34.08	-	26.65	139.9	.494
213	7.81	34.041	-	-	-	-	147.5	300	6.93	34.13	-	26.76	129.0	.564
240	7.60	34.070	-	-	-	-	142.4	400	6.27	34.21	-	26.92	114.7	.690
283	7.05	34.113	-	-	-	-	131.8	500	5.90	34.30	-	27.03	103.5	.805
342	6.66	34.164	-	-	-	-	123.0	600	5.37	34.35	-	27.14	93.5	.911
432	6.12	34.232	-	-	-	-	111.2							
515	5.84	34.311	-	-	-	-	101.9							
589	5.43	34.345	-	-	-	-	94.6							

80.51 CCOFI CRUISE 6407 80.51
ALEXANDER AGASSIZ, JUNE 20 1964, 0853 GCT, 34 26.5N 120 32.5W, SOUNDING 52 FM, WIND 090 FORCE 3, WEATHER CLOUDY, SEA VERY RUGGY, WIRE ANGLE 00.

1	11.80	33.946	6.00	1.11	16	0.25	217.9	0	11.80	33.95	6.00	25.83	217.6	0
11	11.63	33.946	5.54	1.25	18	0.25	214.9	10	11.67	33.95	5.62	25.86	215.3	.022
21	11.05	33.934	4.91	1.64	21	0.30	205.7	20	11.12	33.93	4.95	25.94	207.2	.043
41	10.23	33.963	3.51	2.01	27	0.32	189.8	30	10.60	33.95	4.10	26.05	196.9	.063
61	9.84	33.979	3.29	2.14	29	0.35	182.3	50	10.04	33.97	3.35	26.16	186.2	.102
81	9.57	34.001	3.26	2.21	30	0.31	176.5	75	9.66	33.99	3.27	26.24	178.7	.147

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH									
INPUT								COMPUTED									
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
80.53								CCCFI CRUISE 6407								80.53	
ALEXANDER AGASSIZ, JUNE 20 1964, 1836 GCT, 34 23N 120 39.5W, SOUNDING 242 FM, WIND 330 FORCE 4, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 13.																	
1	11.12	33.928	5.53	1.56	21	0.32	207.3	0	11.12	33.93	5.53	25.94	207.2	0			
11	11.08	33.928	5.69	1.53	21	0.30	206.6	10	11.09	33.93	5.65	25.95	206.6	.021			
30	10.76	33.910	4.80	1.73	21	0.32	202.5	20	10.97	33.92	5.40	25.96	205.3	.043			
45	9.98	33.981	3.39	2.12	27	0.39	184.4	30	10.76	33.91	4.80	25.99	202.5	.062			
55	9.54	34.005	2.74	2.38	32	0.38	175.7	50	9.79	34.00	3.10	26.23	180.0	.100			
65	9.31	34.030	2.37	2.47	34	0.38	170.3	75	9.30	34.03	2.35	26.33	170.1	.144			
88	9.29	-	-	2.46	33	0.36	-	100	9.17	34.07	2.00	26.38	165.1	.187			
99	9.18	34.062	2.04	2.75	36	0.35	165.9	125	9.01	34.08	1.91	26.42	162.0	.228			
123	9.02	34.075	1.89	2.56	37	0.26	162.5	150	8.87	34.11	2.15	26.46	157.6	.269			
143	8.90	34.104	2.19	2.63	38	0.04	158.5	200	8.55	34.15	1.58	26.54	149.9	.347			
174	8.72	34.143	1.72	2.65	40	-	153.0	250	8.09	34.20	1.13	26.65	139.6	.422			
203	8.53	34.157	1.54	2.71	44	-	149.1	300	7.67	34.23	1.00	26.74	131.4	.492			
238	8.22	34.195	1.21	2.86	47	-	141.8	400	7.00	34.26	.72	26.86	120.2	.623			
292	7.72	34.224	1.01	3.01	54	-	132.6										
346	7.44	34.249	.90	3.59	57	-	126.9										
406	6.96	34.260	.69	3.20	66	-	119.7										
80.55								CCCFI CRUISE 6407								80.55	
ALEXANDER AGASSIZ, JUNE 20 1964, 2053 GCT, 34 19N 120 48W, SOUNDING 412 FM, WIND 330 FORCE 4, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 22.																	
1	12.34	33.881	-	0.55	8	0.14	232.4	0	12.34	33.88	-	25.67	232.5	0			
10	11.92	33.874	7.58	0.61	8	0.13	225.3	10	11.92	33.87	7.58	25.75	225.6	.023			
25	10.60	33.888	4.17	1.70	21	0.27	201.5	20	10.93	33.88	5.00	25.94	207.6	.045			
38	10.42	33.941	3.50	1.92	25	0.29	194.6	30	10.59	33.89	4.10	26.00	201.1	.065			
52	9.98	33.953	2.80	2.18	29	0.24	186.5	50	10.01	33.95	2.90	26.15	187.2	.104			
66	9.86	33.956	2.62	2.26	30	0.16	184.4	75	9.82	33.96	2.57	26.19	183.4	.151			
87	9.74	33.979	2.47	2.30	31	0.09	180.8	100	9.49	34.02	2.29	26.29	173.8	.196			
107	9.38	34.036	2.20	2.31	34	0.11	170.9	125	9.14	34.08	1.93	26.40	163.9	.239			
125	9.14	34.084	1.93	2.43	37	0.06	163.7	150	8.89	34.12	1.79	26.47	157.2	.279			
143	8.97	34.115	1.83	2.48	38	0.07	158.8	200	8.45	34.18	1.32	26.58	146.2	.357			
170	8.62	34.157	1.56	2.65	43	-	150.4	250	8.24	34.21	1.22	26.64	141.0	.431			
202	8.44	34.180	1.31	2.75	45	-	146.1	300	7.92	34.25	1.11	26.72	133.4	.502			
229	8.38	34.193	1.26	2.76	45	-	144.2	400	7.08	34.24	.86	26.83	122.7	.635			
275	8.06	34.235	1.18	2.85	50	-	136.5	500	6.47	34.30	.63	26.96	110.4	.759			
326	7.76	34.253	1.03	2.95	53	-	131.0										
406	7.04	34.235	.84	3.01	61	-	122.6										
486	6.60	34.296	.66	3.23	70	-	112.4										
565	5.70	34.311	.52	3.38	82	-	100.3										
80.60								CCCFI CRUISE 6407								80.60	
ALEXANDER AGASSIZ, JUNE 21 1964, 0120 GCT, 34 09N 121 09.5W, SOUNDING 1400 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 31.																	
1	14.26	33.547	6.32	0.64	2	0.08	293.7	0	14.26	33.55	6.32	25.03	293.5	0			
10	14.18	33.543	6.26	0.63	3	0.09	292.4	10	14.18	33.54	6.26	25.04	292.6	.029			
31	13.32	33.566	6.30	0.77	2	0.14	273.9	20	13.68	33.54	6.28	25.15	282.8	.058			
57	10.22	33.654	4.51	1.53	14	0.30	212.5	30	13.50	33.57	6.30	25.21	277.1	.086			
78	9.52	33.697	4.17	1.80	22	0.02	198.2	50	11.05	33.64	4.90	25.73	227.4	.137			
90	9.51	33.832	3.61	1.98	23	0.00	188.0	75	9.56	33.68	4.22	26.02	200.1	.191			
102	9.26	33.883	3.03	2.10	27	0.00	180.4	100	9.31	33.88	3.07	26.21	181.4	.239			
126	8.81	33.961	3.45	1.98	28	0.01	167.8	125	8.82	33.96	3.43	26.35	168.0	.283			
142	8.66	33.982	3.55	1.95	29	0.01	164.0	150	8.56	33.99	3.55	26.42	161.9	.325			
164	8.34	34.007	3.51	2.00	32	0.01	157.5	200	7.94	34.04	2.56	26.55	149.3	.404			
191	8.04	34.035	2.69	2.30	38	-	151.1	250	7.27	34.06	2.13	26.66	138.7	.478			
240	7.43	34.059	2.21	2.52	44	-	140.9	300	6.58	34.06	1.88	26.76	129.7	.547			
285	6.68	34.056	1.94	2.67	53	-	131.3	400	5.99	34.16	-	26.91	115.0	.674			
363	6.22	34.135	3.15U	3.04	64	-	119.7	500	5.38	34.22	.66	27.03	103.4	.789			
473	5.52	34.191	.73	3.21	78	-	107.2	600	4.98	34.33	.50	27.17	90.7	.892			
572	5.08	34.298	.52	3.34	90	-	94.2	700	4.67	34.40	.45	27.26	82.1	.986			
719	4.61	34.414	.45	3.42	100	-	80.4	800	4.40	34.44	.54	27.32	76.3	1.073			
874	4.22	34.454	.62	3.40	107	-	73.4	1000	3.91	34.48	.69	27.40	68.4	1.234			
1071	3.76	34.492	.72	3.50	116	-	66.0										
1149	3.52	34.507	.85	3.87	123	-	62.7										

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED			
Z	T	S	CHY	PFC	SIL	NIT	D*T	Z	T	S	CHY	SIG*T	D*T	DD		
80.65							CCCFI CRUISE 6407							80.65		
ALEXANDER AGASSIZ, JUNE 21 1964, 0524 GCT, 33 59N 121 30W, SOUNDING 1800 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 23.																
1	14.54	33.565	-	-	-	-	298.0	0	14.54	33.56	-	24.98	298.4	0		
10	14.51	33.572	-	-	-	-	296.9	10	14.51	33.57	-	25.00	297.1	.030		
33	13.38	33.597	-	-	-	-	272.8	20	14.24	33.58	-	25.06	290.9	.059		
42	12.66	33.638	-	-	-	-	256.2	30	13.58	33.59	-	25.20	277.2	.088		
56	11.62	33.674	-	-	-	-	234.7	50	12.07	33.66	-	25.56	243.8	.140		
70	10.52	33.696	-	-	-	-	214.3	75	10.14	33.71	-	25.94	207.1	.197		
92	9.39	33.754	-	-	-	-	192.0	100	9.36	33.84	-	26.17	185.1	.246		
111	9.32	33.923	-	-	-	-	178.3	125	9.07	33.96	-	26.31	171.8	.291		
128	9.00	33.971	-	-	-	-	169.9	150	8.59	34.05	-	26.46	157.9	.333		
155	8.50	34.055	-	-	-	-	156.2	200	7.72	34.02	-	26.57	147.8	.411		
181	8.01	34.026	-	-	-	-	151.4	250	6.89	34.02	-	26.68	136.7	.484		
217	7.46	34.019	-	-	-	-	144.3	300	6.18	34.06	-	26.81	124.8	.551		
244	7.00	34.022	-	-	-	-	138.0	400	5.78	34.14	-	26.92	114.0	.675		
290	6.24	34.044	-	-	-	-	126.7	500	5.15	34.19	-	27.04	103.1	.789		
350	6.08	34.113	-	-	-	-	119.6	600	4.94	34.33	-	27.17	90.3	.892		
442	5.50	34.153	-	-	-	-	109.8									
527	5.04	34.218	-	-	-	-	99.8									
598	4.94	34.321	-	-	-	-	90.9									

80.70

CCCFI CRUISE 6407

80.70

ALEXANDER AGASSIZ, JUNE 21 1964, 0914 GCT, 33 48.5N 121 51W, SOUNDING 1940 FM, WIND 110 FORCE 4, WEATHER FOG, SEA MISSING, WIRE ANGLE 23.

1	13.72	33.536	6.34	0.77	5	0.14	283.9	0	13.72	33.54	6.34	25.14	283.6	0
10	13.67	33.540	6.31	0.80	4	0.14	282.6	10	13.67	33.54	6.31	25.15	282.6	.028
25	13.36	33.540	6.33	0.82	3	0.14	276.6	20	13.57	33.54	6.32	25.17	280.7	.057
56	11.60	33.672	5.80	1.24	9	0.31	234.5	30	13.32	33.54	6.33	25.22	275.8	.084
74	10.65	33.718	5.18	1.54	15	0.26	214.9	50	11.99	33.64	5.97	25.56	243.8	.137
88	9.98	33.732	4.76	1.75	17	0.25	202.9	75	10.60	33.72	5.13	25.87	213.9	.194
101	9.74	33.861	3.47	2.05	34	0.00	189.5	100	9.75	33.85	3.53	26.12	190.5	.245
123	9.34	33.947	2.80	2.24	31	0.00	176.9	125	9.32	33.95	2.78	26.27	176.3	.292
140	9.12	33.976	2.64	2.34	35	0.00	171.4	150	8.89	33.99	2.68	26.37	166.8	.335
162	8.60	34.008	2.73	2.28	37	0.00	161.2	200	8.32	34.09	2.32	26.53	151.0	.416
189	8.36	34.049	2.56	2.37	40	-	154.7	250	7.99	34.15	1.58	26.63	141.9	.491
232	8.25	34.169	1.58	2.66	46	-	144.2	300	7.10	34.12	1.62	26.73	132.0	.562
285	7.30	34.117	1.69	2.77	53	-	134.8	400	6.17	34.17	1.00	26.90	116.4	.691
363	6.48	34.146	1.24	3.01	68	-	122.1	500	5.73	34.26	.53	27.02	104.4	.807
458	5.82	34.224	.69	3.24	78	-	108.2	600	5.34	34.34	.41	27.13	94.0	.913
555	5.61	34.318	.41	3.36	88	-	98.7	700	4.73	34.37	.42	27.23	85.0	1.010
698	4.74	34.372	.42	3.44	103	-	85.0	800	4.40	34.42	.50	27.30	77.8	1.099
853	4.23	34.436	.56	3.45	114	-	74.9	1000	3.80	34.49	.78	27.42	66.6	1.260
1002	3.79	34.487	.78	3.42	123	-	66.7							
1078	3.62	34.504	.81	3.43	130	-	63.8							

80.75

CCCFI CRUISE 6407

80.75

ALEXANDER AGASSIZ, JUNE 21 1964, 1233 GCT, 33 38.5N 122 12W, SOUNDING 2160 FM, WIND 300 FORCE 3, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 28.

1	13.86	33.486	-	-	-	-	290.3	0	13.86	33.49	-	25.07	290.0	0
10	13.84	33.489	-	-	-	-	289.7	10	13.84	33.49	-	25.07	289.6	.029
32	12.84	33.451	-	-	-	-	273.3	20	13.80	33.49	-	25.08	288.8	.058
40	12.40	33.487	-	-	-	-	262.5	30	13.00	33.45	-	25.21	276.4	.086
53	12.03	33.619	-	-	-	-	246.1	50	12.08	33.61	-	25.52	247.6	.139
67	11.16	33.698	-	-	-	-	225.0	75	10.80	33.74	-	25.85	215.7	.197
88	10.42	33.779	-	-	-	-	206.5	100	9.98	33.83	-	26.06	195.6	.249
104	9.82	33.850	-	-	-	-	191.6	125	9.33	33.96	-	26.27	175.8	.296
121	9.40	33.939	-	-	-	-	178.4	150	8.95	34.05	-	26.40	163.3	.339
144	9.04	34.024	-	-	-	-	166.6	200	8.53	34.15	-	26.55	149.6	.419
166	8.77	34.093	-	-	-	-	157.4	250	8.08	34.21	-	26.66	138.7	.493
197	8.56	34.142	-	-	-	-	150.7	300	7.59	34.22	-	26.74	131.1	.563
220	8.36	34.180	-	-	-	-	144.9	400	6.71	34.25	-	26.89	117.2	.692
258	8.00	34.218	-	-	-	-	136.9	500	5.80	34.29	-	27.04	103.0	.809
311	7.48	34.221	-	-	-	-	129.5							
396	6.76	34.254	-	-	-	-	117.5							
470	6.01	34.269	-	-	-	-	107.1							
550	5.56	34.327	-	-	-	-	97.4							

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED			INPUT				COMPUTED		
Z	T	S	OXY	PFO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD		
80.80							CCOFI CRUISE 6407							80.80		
ALEXANDER AGASSIZ, JUNE 27 1964, 1551 GCT, 33 28.5N 122 31.5W, SOUNDING 2135 FM, WIND 340 FORCE 5, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 38.																
1	15.49	33.242	6.18	0.38	2	0.01	341.3	0	15.49	33.24	6.18	24.53	341.5	0		
9	15.46	33.239	6.13	0.37	3	0.00	340.9	10	15.45	33.24	6.13	24.54	340.6	.034		
29	14.36	33.168	6.41	0.44	3	0.02	323.5	20	15.42	33.24	6.13	24.55	340.0	.068		
36	13.03	33.059	6.50	0.37	3	0.00	305.7	30	14.17	33.15	6.43	24.74	321.0	.101		
47	12.62	33.093	6.45	0.41	3	0.01	295.5	50	12.30	33.11	6.33	25.09	288.4	.162		
58	12.06	33.129	6.24	0.62	4	0.27	282.7	75	11.44	33.24	6.34	25.35	263.6	.232		
73	11.46	33.227	6.36	0.89	6	0.32	264.9	100	10.04	33.39	5.33	25.71	229.1	.294		
86	11.05	33.400	5.44	1.14	10	0.06	245.1	125	9.52	33.65	4.38	26.00	201.7	.348		
100	10.04	33.389	5.33	1.42	17	0.02	229.2	150	9.02	33.79	3.90	26.19	183.6	.397		
118	9.70	33.603	4.42	1.68	20	0.02	208.0	200	8.63	34.02	2.54	26.43	160.8	.485		
137	9.20	33.714	4.36	-	-	-	192.0	250	8.08	34.09	2.03	26.57	147.6	.564		
162	8.95	33.871	3.35	-	-	-	176.6	300	7.36	34.12	1.58	26.70	135.4	.637		
181	8.92	33.990	2.55	-	-	-	167.3	400	6.54	34.23	.86	26.90	116.5	.768		
212	8.46	34.036	2.53	-	-	-	157.1	500	6.28	34.30	.49	26.99	108.1	.887		
253	8.04	34.09 A	2.01	-	-	-	147.0									
321	7.08	34.137	1.42	-	-	-	130.4									
387	6.60	34.215	.94	-	-	-	118.4									
451	6.39	34.273	.68	-	-	-	111.4									

80.90

CCOFI CRUISE 6407

80.90

ALEXANDER AGASSIZ, JUNE 27 1964, 2049 GCT, 33 09N 123 12W, SOUNDING 2245 FM, WIND 330 FORCE 5, WEATHER PARTLY CLCUDY, SEA VERY ROUGH, WIRE ANGLE 28.

1	15.76	33.145	6.14	0.36	4	0.02	354.1	0	15.76	33.14	6.14	24.39	354.5	0
10	15.75	33.138	6.03	0.36	3	0.02	354.4	10	15.75	33.14	6.03	24.40	354.3	.035
33	15.51	33.131	6.11	0.34	5	0.00	349.8	20	15.74	33.14	6.03	24.40	354.1	.071
42	14.02	33.181	6.47	0.34	3	0.01	315.8	30	15.70	33.13	6.04	24.40	353.9	.106
55	13.31	33.141	6.59	0.36	2	0.02	304.9	50	13.57	33.15	6.55	24.87	309.3	.173
67	12.87	33.138	6.50	0.39	2	0.04	296.9	75	12.73	33.14	6.42	25.03	294.1	.249
85	12.34	33.143	6.20	0.59	3	0.07	286.7	100	12.20	33.19	6.10	25.17	280.7	.321
105	12.10	33.208	6.06	0.72	3	0.04	277.6	125	11.44	33.30	5.83	25.39	259.2	.389
122	11.53	33.285	5.85	0.94	6	0.07	261.8	150	10.57	33.44	5.30	25.66	234.1	.452
148	10.64	33.425	5.38	1.26	11	0.04	236.3	200	9.01	33.86	3.32	26.25	178.3	.556
174	9.57	33.598	4.53	-	-	-	206.3	250	8.23	34.03	2.66	26.50	154.2	.642
209	8.84	33.919	3.08	-	-	-	171.4	300	7.37	34.04	2.40	26.63	141.5	.718
234	8.46	34.000	2.89	-	-	-	159.7	400	6.02	34.07	1.59	26.84	122.1	.855
279	7.80	34.058	2.37	-	-	-	146.0	500	5.31	34.16	.88	27.00	107.1	.975
337	6.62	34.012	2.50	-	-	-	133.8	600	4.76	34.26	-	27.14	93.6	1.081
427	5.80	34.103	1.25	-	-	-	117.0							
511	5.24	34.164	.84	-	-	-	106.0							
582	4.86	34.235	.51	-	-	-	96.5							

80.100

CCOFI CRUISE 6407

80.100

ALEXANDER AGASSIZ, JUNE 28 1964, 0211 GCT, 32 49N 123 53W, SOUNDING 2400 FM, WIND 080 FORCE 4, WEATHER PARTLY CLCUDY, SEA HIGH, WIRE ANGLE 35.

1	15.42	33.069	6.32	0.38	3	0.00	352.5	0	15.42	33.07	6.32	24.41	352.4	0
9	15.42	33.067	6.30	0.42	3	0.00	352.6	10	15.42	33.07	6.29	24.41	352.4	.035
30	15.40	33.065	6.12	0.38	2	0.00	352.4	20	15.41	33.07	6.20	24.42	352.2	.071
37	14.50	33.171	6.38	0.36	2	0.00	326.1	30	15.40	33.06	6.12	24.41	352.7	.106
50	13.82	33.205	6.40	0.35	3	0.00	310.1	50	13.82	33.20	6.40	24.86	310.5	.172
62	13.42	33.191	6.44	0.42	3	-	303.4	75	12.86	33.13	6.43	24.99	297.3	.249
83	12.40	33.089	6.42	0.46	3	0.03	291.8	100	12.04	33.18	6.20	25.19	278.6	.321
100	12.04	33.180	6.20	0.71	3	0.09	278.6	125	11.30	33.32	5.97	25.44	255.3	.389
117	11.40	33.291	6.05	0.97	7	0.00	259.1	150	10.01	33.46	4.91	25.77	223.5	.449
142	10.40	33.411	5.23	1.29	12	0.00	233.4	200	8.89	33.86	3.78	26.26	176.5	.551
167	9.44	33.606	4.30	-	-	-	203.7	250	8.29	33.97	3.24	26.44	159.5	.637
202	8.85	33.869	3.73	-	-	-	175.2	300	7.69	34.05	2.64	26.59	145.1	.715
227	8.56	33.920	3.41	-	-	-	167.1	400	6.45	34.10	1.55	26.81	125.1	.856
270	8.03	34.012	3.06	-	-	-	152.7	500	5.86	34.21	1.05	26.97	109.7	.979
327	7.34	34.073	2.25	-	-	-	138.6							
414	6.34	34.113	1.41	-	-	-	122.8							
495	5.89	34.201	1.07	-	-	-	110.7							
563	5.42	34.235	.71	-	-	-	102.7							

A) ALTERNATE VALUE, 34.05, NOT USED IN INTERPOLATION.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT

COMPUTED

INPUT

COMPUTED

Z	T	S	CXY	PFC	SIL	NIT	D*T	Z	T	S	CXY	SIG*T	D*T	DD
80.200							CCOFI CRUISE 6407	80.200						
ALEXANDER AGASSIZ, JULY 8 1964, 0534 GCT, 29 29N 130 36W, SOUNDING 2342 FM, WIND 020 FORCE 4, WEATHER MISSING, SEA RCLGH, WIRE ANGLE 19.														
1	19.59	34.381	5.62	C.38	2	0.00	352.2	0	19.59	34.38	5.62	24.42	352.3	0
10	19.59	34.383	5.75	C.35	2	0.00	352.1	10	19.59	34.38	5.75	24.42	352.3	.035
29	19.42	34.487	5.67	C.37	2	0.00	340.3	20	19.45	34.47	5.70	24.52	342.3	.070
38	19.00	34.508	5.40	0.33	2	0.03	328.6	30	19.42	34.49	5.66	24.54	340.1	.104
53	16.68	34.017	6.09	0.37	3	0.00	310.5	50	16.85	34.04	6.02	24.83	312.6	.170
66	17.44	34.467	5.93	0.32	2	0.00	299.2	75	17.50	34.44	5.93	24.98	298.2	.247
90	17.00	34.425	5.83	C.33	2	0.00	287.9	100	17.00	34.48	5.81	25.13	283.9	.320
109	17.23	34.574	5.80	0.30	3	0.00	282.2	125	17.18	34.59	5.72	25.18	279.9	.391
128	17.16	34.593	5.69	C.30	3	0.02	279.3	150	15.64	34.31	5.60	25.32	266.4	.461
147	15.98	34.363	5.62	C.43	4	0.13	269.9	200	11.48	33.91	5.27	25.86	214.9	.583
175	13.14	33.977	5.41	-	-	-	240.3	250	9.52	33.97	5.06	26.25	178.0	.684
207	11.08	33.907	5.26	-	-	-	208.2	300	8.63	34.03	4.53	26.44	160.0	.771
235	9.84	33.927	5.18	-	-	-	186.2	400	6.80	34.00	3.08	26.68	137.0	.925
281	8.93	34.026	4.71	-	-	-	164.8	500	5.70	34.10	1.44	26.90	116.1	1.058
333	8.03	34.015	4.14	-	-	-	152.5							
412	6.62	33.959	2.89	-	-	-	134.8							
492	5.78	34.087	1.52	-	-	-	118.0							
574	5.16	34.166	.92	-	-	-	105.0							

81.48 CCOFI CRUISE 6407 81.48

ALEXANDER AGASSIZ, JUNE 20 1964, 1310 GCT, 34 21.5N 120 12W, SOUNDING 220 FM, WIND 140 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 00.

C	13.52	33.928	-	-	-	-	251.2	C	13.52	33.93	-	25.48	251.1	0
10	12.62	33.885	-	-	-	-	237.3	10	12.62	33.88	-	25.62	237.6	.024
30	10.44	33.967	-	-	-	-	193.0	20	10.85	33.92	-	25.98	203.3	.047
45	9.65	34.016	-	-	-	-	176.6	30	10.44	33.97	-	26.09	192.8	.066
60	9.46	34.025	-	-	-	-	173.0	50	9.57	34.02	-	26.28	175.0	.103
75	9.18	34.070	-	-	-	-	165.3	75	9.18	34.07	-	26.38	165.3	.146
90	9.09	-	-	-	-	-	-	100	8.96	34.11	-	26.45	159.0	.187
109	8.86	34.126	-	-	-	-	156.3	125	8.80	34.14	-	26.50	154.4	.227
134	8.78	34.142	-	-	-	-	153.9	150	8.72	34.15	-	26.52	152.4	.266
164	8.68	34.160	-	-	-	-	151.1	200	8.40	34.18	-	26.59	145.5	.342
200	8.40	34.183	-	-	-	-	145.3	250	7.82	34.21	-	26.70	135.0	.414
235	7.93	34.205	-	-	-	-	136.9	300	7.55	34.21	-	26.74	131.3	.483
274	7.68	34.211	-	-	-	-	133.0							
319	7.46	34.215	-	-	-	-	129.7							
359	7.25	34.221	-	-	-	-	126.4							

81.52 CCOFI CRUISE 6407 81.52

ALEXANDER AGASSIZ, JUNE 20 1964, 1040 GCT, 34 16N 120 28.5W, SOUNDING 242 FM, WIND 360 FORCE 6, WEATHER MISSING, SEA RCLGH, WIRE ANGLE 25.

1	11.70	33.950	-	-	-	-	215.8	C	11.70	33.95	-	25.85	215.8	0
10	11.69	33.950	-	-	-	-	215.6	10	11.69	33.95	-	25.85	215.6	.022
28	11.56	33.955	-	-	-	-	213.0	20	11.67	33.95	-	25.86	215.3	.043
42	10.06	33.997	-	-	-	-	184.5	30	11.53	33.96	-	25.89	212.1	.065
51	9.52	34.021	-	-	-	-	174.2	50	9.55	34.02	-	26.28	174.7	.103
66	9.28	34.050	-	-	-	-	168.3	75	9.23	34.06	-	26.37	166.8	.146
78	9.21	34.059	-	-	-	-	166.6	100	9.02	34.10	-	26.43	160.6	.188
91	9.08	34.089	-	-	-	-	162.4	125	8.83	34.12	-	26.48	156.3	.228
110	8.98	34.104	-	-	-	-	159.7	150	8.67	34.15	-	26.53	151.7	.267
129	8.79	34.132	-	-	-	-	154.8	200	8.48	34.19	-	26.59	145.9	.343
154	8.65	34.154	-	-	-	-	151.1	250	8.04	34.21	-	26.67	138.1	.416
181	8.56	34.180	-	-	-	-	147.8	300	7.54	34.21	-	26.74	131.2	.486
211	8.42	34.195	-	-	-	-	144.7	400	6.87	34.24	-	26.86	120.0	.617
253	8.00	34.211	-	-	-	-	137.5							
293	7.61	34.206	-	-	-	-	132.4							
337	7.20	34.224	-	-	-	-	125.5							
394	6.88	34.235	-	-	-	-	120.5							

81.55 CCOFI CRUISE 6407 81.55

ALEXANDER AGASSIZ, JUNE 20 1964, 0803 GCT, 34 09N 120 42W, SOUNDING 390 FM, WIND 330 FORCE 6, WEATHER CLOUDY, SEA VERY RCLGH, WIRE ANGLE 14.

1	11.85	33.952	-	-	-	-	214.3	0	11.85	33.95	-	25.82	218.5	0
10	11.82	33.952	-	-	-	-	217.8	10	11.82	33.95	-	25.83	217.9	.022
35	10.30	33.966	-	-	-	-	190.7	20	11.47	33.95	-	25.89	211.7	.043
45	10.07	33.983	-	-	-	-	185.7	30	10.52	33.96	-	26.07	194.8	.064
60	9.77	33.999	-	-	-	-	179.8	50	9.99	33.99	-	26.19	183.9	.102
73	9.48	34.027	-	-	-	-	173.1	75	9.46	34.03	-	26.31	172.6	.147
98	9.18	34.053	-	-	-	-	166.6	100	9.17	34.06	-	26.38	165.9	.189
118	9.13	34.076	-	-	-	-	164.1	125	9.02	34.10	-	26.43	160.6	.231
137	8.81	34.128	-	-	-	-	155.4	150	8.65	34.15	-	26.53	151.4	.270
167	8.50	34.177	-	-	-	-	147.2	200	8.26	34.22	-	26.64	140.5	.345
196	8.28	34.218	-	-	-	-	140.9	250	7.99	34.25	-	26.71	134.4	.416
236	8.08	34.235	-	-	-	-	136.8	300	7.69	34.28	-	26.76	129.5	.484
266	7.86	34.251	-	-	-	-	132.5	400	7.21	34.28	-	26.84	121.5	.615
315	7.61	34.264	-	-	-	-	128.1	500	6.06	34.29	-	27.01	106.1	.735
380	7.39	34.269	-	-	-	-	124.7	600	5.47	34.33	-	27.11	96.2	.844
479	6.24	34.287	-	-	-	-	108.5							
568	5.61	34.320	-	-	-	-	98.5							
643	5.28	34.356	-	-	-	-	92.1							

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED	INPUT				COMPUTED			
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
81.65							CCCCI CRUISE 6407	81.65							
ALEXANDER AGASSIZ, JUNE 20 1964, 0031 GCT, 33 48.5N 121 23.5W SOUNDING 1846 FM, WIND 320 FORCE 6, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 40.															
C	13.40	33.562	-	-	-	-	275.8	0	13.40	33.56	-	25.22	275.9	0	
8	13.36	33.556	-	-	-	-	275.4	10	13.35	33.55	-	25.22	275.7	.028	
27	13.27	33.553	-	-	-	-	273.9	20	13.33	33.55	-	25.22	275.3	.055	
35	13.03	33.558	-	-	-	-	269.0	30	13.23	33.55	-	25.24	273.4	.083	
46	11.44	33.662	-	-	-	-	232.5	50	11.29	33.67	-	25.71	229.3	.133	
58	11.04	33.687	-	-	-	-	223.7	75	9.98	33.78	-	26.02	199.3	.187	
77	9.91	33.787	-	-	-	-	197.7	100	9.39	33.87	-	26.19	183.4	.235	
92	9.56	33.843	-	-	-	-	188.0	125	8.92	33.94	-	26.32	171.0	.280	
106	9.28	33.883	-	-	-	-	180.7	150	8.66	34.04	-	26.44	159.7	.322	
125	8.86	33.952	-	-	-	-	169.2	200	7.97	34.08	-	26.58	146.8	.400	
150	8.66	34.044	-	-	-	-	159.4	250	7.13	34.06	-	26.68	136.8	.473	
180	8.38	34.095	-	-	-	-	151.5	300	6.85	34.11	-	26.76	129.4	.542	
203	7.88	34.082	-	-	-	-	145.4	400	5.67	34.15	-	26.94	112.0	.667	
239	7.19	34.047	-	-	-	-	138.6	500	5.60	34.30	-	27.07	99.9	.779	
287	7.03	34.115	-	-	-	-	131.4								
364	5.76	34.104	-	-	-	-	116.5								
439	5.64	34.209	-	-	-	-	107.2								
507	5.60	34.304	-	-	-	-	99.6								

81.70	CCCCI CRUISE 6407											81.70		
ALEXANDER AGASSIZ, JUNE 19 1964, 2051 GCT, 33 39.5N 121 44.5W, SOUNDING 1940 FM, WIND 100 FORCE 4, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 22.														
1	13.84	33.54	-	-	-	-	285.9	0	13.84	33.54	-	25.11	285.9	0
10	13.75	33.55	-	-	-	-	283.4	10	13.75	33.55	-	25.14	283.4	.028
33	12.96	33.54	-	-	-	-	269.0	20	13.67	33.55	-	25.16	281.9	.057
43	11.65	33.54	-	-	-	-	245.1	30	13.33	33.54	-	25.22	276.0	.085
56	10.98	33.54	-	-	-	-	233.6	50	11.31	33.54	-	25.60	239.2	.136
71	10.13	33.56	-	-	-	-	218.0	75	10.10	33.58	-	25.85	216.0	.194
94	10.02	33.72	-	-	-	-	204.4	100	9.92	33.74	-	26.00	201.3	.246
112	9.35	33.80	-	-	-	-	187.9	125	8.98	33.86	-	26.25	177.8	.294
130	8.90	33.89	-	-	-	-	174.4	150	8.73	33.96	-	26.37	166.7	.338
157	8.68	33.98	-	-	-	-	164.5	200	8.15	34.01	-	26.50	154.5	.420
183	8.37	34.01	-	-	-	-	157.7	250	7.44	34.01	-	26.60	144.7	.496
219	7.88	34.01	-	-	-	-	150.7	300	7.35	34.15	-	26.72	133.0	.568
246	7.47	34.01	-	-	-	-	145.1	400	6.52	34.22	-	26.89	117.0	.698
285	7.37	34.12	-	-	-	-	135.6	500	5.63	34.27	-	27.04	102.5	.814
346	7.25	34.23	-	-	-	-	125.7	600	5.30	34.36	-	27.15	92.0	.918
438	6.02	34.22	-	-	-	-	110.9							
520	5.54	34.28	-	-	-	-	100.7							
594	5.32	34.35	-	-	-	-	93.0							

82.47				CCCCI CRUISE 6407										82.47			
ALEXANDER AGASSIZ, JUNE 19 1964, 0250 GCT, 34 16.5N 120 04W, SOUNDING 310 FM, WIND 290 FORCE 6, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 13.																	
C	11.84	33.988	6.73	1.12	17	0.23	215.5	0	11.84	33.99	6.73	25.86	215.3	0			
10	11.18	33.955	5.62	1.35	19	0.22	203.4	10	11.18	34.00	5.62	25.98	203.0	.021			
29	10.56	33.988	4.32	1.78	23	0.26	193.4	20	10.83	33.99	4.93	26.04	197.8	.041			
44	9.64	34.010	2.94	2.26	30	0.31	176.9	30	10.51	33.99	4.22	26.10	192.4	.061			
54	9.55	34.033	2.82	2.33	34	0.30	173.8	50	9.60	34.02	2.88	26.27	175.5	.098			
68	9.28	34.064	2.45	2.48	35	0.30	167.3	75	9.07	34.09	2.06	26.42	162.1	.140			
83	8.88	34.119	1.73	2.60	38	0.23	157.1	100	8.77	34.14	1.80	26.50	153.9	.180			
98	8.78	34.137	1.81	2.64	39	0.17	154.3	125	8.61	34.17	1.41	26.55	149.3	.218			
123	8.62	34.167	1.44	2.73	41	0.02	149.7	150	8.41	34.18	1.33	26.59	145.6	.256			
141	8.49	34.177	1.37	2.78	43	0.00	147.0	200	8.20	34.20	1.09	26.64	141.1	.329			
171	8.26	34.193	1.18	-	-	-	142.5	250	7.95	34.21	1.16	26.68	136.8	.401			
200	8.20	34.205	1.09	-	-	-	140.8	300	7.51	34.21	1.03	26.75	130.7	.470			
229	8.08	34.209	1.03	-	-	-	138.7	400	6.72	34.25	.52	26.89	117.3	.599			
268	7.82	34.209	1.24	-	-	-	135.1	500	6.40	34.27	.56	26.95	111.8	.720			
328	7.24	34.222	.81	-	-	-	126.2										
382	6.82	34.244	.57	-	-	-	119.1										
441	6.56	34.257	.51	-	-	-	114.8										
500	6.40	34.271	.56	-	-	-	111.7										

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED			
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD		
82.48							CCCFI CRUISE 6407							82.48		
ALEXANDER AGASSIZ, JUNE 18 1964, 1631 GCT, 34 09N 120 04.5W, SOUNDING 255 FM, WIND 260 FORCE 3, WEATHER CLEAR, SEA RCLGH, WIRE ANGLE 25.																
2	11.51	34.022	-	-	-	-	207.1	0	11.51	34.02	-	25.94	207.3	0		
10	11.40	34.020	-	-	-	-	205.4	10	11.40	34.02	-	25.96	205.4	.021		
29	9.98	33.988	-	-	-	-	183.9	20	10.69	34.00	-	26.07	194.7	.041		
42	9.62	34.012	-	-	-	-	176.4	30	9.93	33.99	-	26.20	183.0	.060		
51	9.57	34.026	-	-	-	-	174.6	50	9.57	34.02	-	26.28	175.0	.096		
65	9.43	34.044	-	-	-	-	171.1	75	9.18	34.08	-	26.39	164.6	.138		
77	9.16	34.084	-	-	-	-	164.0	100	8.90	34.13	-	26.47	156.6	.179		
91	9.03	34.103	-	-	-	-	160.6	125	8.61	34.16	-	26.54	150.1	.218		
114	8.68	34.162	-	-	-	-	150.9	150	8.49	34.18	-	26.58	146.8	.256		
132	8.58	34.166	-	-	-	-	149.2	200	8.08	34.21	-	26.66	138.7	.328		
158	8.44	34.191	-	-	-	-	145.3	250	7.83	34.21	-	26.70	135.2	.399		
185	8.19	34.202	-	-	-	-	140.8	300	7.47	34.22	-	26.76	129.5	.467		
217	7.99	34.210	-	-	-	-	137.4	400	7.09	34.23	-	26.82	123.6	.599		
268	7.73	34.215	-	-	-	-	133.4									
320	7.32	34.223	-	-	-	-	127.2									
379	7.14	34.230	-	-	-	-	124.3									

82.50 CCCFI CRUISE 6407 82.50
ALEXANDER AGASSIZ, JUNE 19 1964, 0520 GCT, 34 11N 120 15W, SOUNDING 260 FM, WIND 300 FORCE 6, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 32.

2	11.19	34.066	5.66	1.30	22	0.25	198.3	0	11.19	34.07	5.66	26.04	198.0	0
10	11.12	34.068	5.60	1.34	22	0.23	197.0	10	11.12	34.07	5.60	26.05	196.8	.020
27	8.85	34.135	2.11	2.52	37	0.10	155.5	20	9.60	34.11	3.43	26.34	168.9	.038
40	8.76	34.136	1.61	2.63	40	0.06	154.1	30	8.82	34.14	2.00	26.49	154.7	.054
48	8.68	34.135	1.65	2.69	40	0.04	153.0	50	8.67	34.14	1.65	26.52	152.4	.085
60	8.63	34.138	1.64	2.65	39	0.06	152.0	75	8.64	34.17	-	26.55	149.8	.123
72	8.65	34.164	1.53	2.69	41	0.08	150.4	100	8.38	34.19	-	26.60	144.5	.160
84	8.58	34.184	-	2.73	42	0.07	147.8	125	8.20	34.20	-	26.64	141.1	.197
104	8.34	34.191	1.09U	2.87	47	0.05	143.8	150	8.03	34.21	1.09	26.67	138.0	.232
118	8.26	34.195	1.58U	2.90	49	0.04	142.4	200	7.81	34.21	.84	26.70	134.9	.302
142	8.08	34.203	1.14	-	-	-	139.2	250	7.58	34.21	.84	26.74	131.7	.370
165	7.99	34.206	1.03	-	-	-	137.7	300	7.24	34.23	.83	26.80	125.6	.437
191	7.86	34.213	.86	-	-	-	135.4							
235	7.69	34.206	.82	-	-	-	133.5							
281	7.34	34.222	.84	-	-	-	127.5							
333	7.12	34.231	.78	-	-	-	123.9							

82.55 CCCFI CRUISE 6407 82.55
ALEXANDER AGASSIZ, JUNE 19 1964, 0926 GCT, 34 01N 120 36.5W, SOUNDING 500 FM, WIND 330 FORCE 5, WEATHER CLEAR, SEA RCLGH, WIRE ANGLE 28.

2	12.24	33.93	6.46	1.01	17	0.26	227.0	0	12.24	33.93	6.46	25.73	227.0	0
11	12.20	33.93	6.47	1.08	16	0.23	226.3	10	12.21	33.93	6.47	25.74	226.4	.023
33	11.54	33.91	5.68	1.31	17	0.27	215.9	20	12.07	33.93	6.30	25.77	223.9	.045
59	9.86	33.82	3.80	1.94	24	0.25	194.4	30	11.72	33.92	5.90	25.82	218.4	.067
68	9.80	33.93	3.39	2.07	26	0.25	185.3	50	10.17	33.83	4.12	26.03	198.7	.109
87	9.22	34.06	2.33	2.56	37	0.08	166.7	75	9.61	33.99	3.00	26.25	177.9	.157
99	9.05	34.10	2.02	2.47	37	0.04	161.1	100	9.04	34.10	2.00	26.43	160.9	.199
112	8.75	34.15	1.90	2.61	40	0.04	152.9	125	8.70	34.16	1.80	26.53	151.4	.239
139	8.68	34.17	1.52	2.66	38	0.06	150.4	150	8.61	34.18	1.56	26.56	148.6	.277
157	8.56	34.18	1.61	2.67	41	0.08	147.8	200	8.24	34.23	1.32	26.65	139.5	.351
181	8.37	34.21	1.41	2.78	44	0.04	142.8	250	7.98	34.25	1.02	26.71	134.3	.421
212	8.18	34.24	1.25	2.91	47	0.02	137.9	300	7.71	34.26	.99	26.76	129.8	.490
238	8.04	34.24	1.04	3.01	51	0.01	135.9	400	7.08	34.29	.88	26.87	119.0	.620
281	7.80	34.26	1.00	3.00	52	0.01	131.0	500	6.15	34.30	.59	27.00	106.5	.739
338	7.52	34.27	.96	3.03	54	0.02	126.4	600	5.43	34.35	-	27.13	94.2	.846
429	6.82	34.29	.80	3.17	68	0.01	115.6							
512	6.04	34.31	.57	3.27	78	0.02	104.4							
583	5.52	34.34	.60	3.40	85	-	96.0							

82.60 CCCFI CRUISE 6407 82.60
ALEXANDER AGASSIZ, JUNE 19 1964, 1305 GCT, 33 51N 120 57W, SOUNDING 1220 FM, WIND 310 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY RCLGH, WIRE ANGLE 42.

1	13.57	33.52	-	-	-	-	282.1	0	13.57	33.52	-	25.15	282.1	0
9	13.56	33.51	-	-	-	-	282.7	10	13.55	33.51	-	25.15	282.5	.028
27	13.20	33.52	-	-	-	-	275.0	20	13.46	33.52	-	25.18	280.0	.056
34	12.16	33.49	-	-	-	-	257.9	30	12.85	33.52	-	25.30	268.4	.084
44	11.76	33.55	-	-	-	-	246.3	50	11.70	33.59	-	25.57	242.3	.135
55	11.56	33.69	-	-	-	-	232.5	75	10.51	33.76	-	25.92	209.4	.192
72	10.62	33.76	-	-	-	-	211.3	100	9.49	33.88	-	26.18	184.2	.242
85	10.20	33.76	-	-	-	-	204.3	125	9.21	33.91	-	26.25	177.6	.287
99	9.50	33.88	-	-	-	-	184.3	150	8.75	33.95	-	26.36	167.7	.331
122	9.25	33.91	-	-	-	-	178.2	200	8.18	34.04	-	26.51	152.7	.413
140	8.94	33.93	-	-	-	-	172.0	250	7.28	34.05	-	26.65	139.6	.488
163	8.51	33.98	-	-	-	-	162.0	300	6.44	34.06	-	26.78	128.0	.557
180	8.28	34.01	-	-	-	-	156.4	400	5.63	34.12	-	26.93	113.8	.682
210	8.12	34.06	-	-	-	-	150.4	500	4.95	34.20	-	27.07	100.1	.794
250	7.28	34.05	-	-	-	-	139.6							
315	6.29	34.07	-	-	-	-	125.4							
384	5.74	34.10	-	-	-	-	116.5							
448	5.30	34.16	-	-	-	-	107.0							

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH									
INPUT								COMPUTED									
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
82.65								CCCCI CRUISE 6407								82.65	
ALEXANDER AGASSIZ, JUNE 19 1964, 1637 GCT, 33 41N 121 17.5W, SOUNDING 1870 FM, WIND 030 FORCE 6, WEATHER OVERCAST, SEA RCLGP, WIRE ANGLE 32.																	
2	13.58	33.55	6.55	0.74	3	0.17	280.1	0	13.58	33.55	6.55	25.17	280.1	0			
10	13.55	33.55	6.47	0.76	3	0.16	279.5	10	13.55	33.55	6.47	25.18	279.5	.028			
31	11.60	33.50	6.18	1.16	8	0.33	247.2	20	13.40	33.55	6.42	25.21	276.6	.056			
57	10.12	33.57	4.81	1.55	15	0.21	217.1	30	11.80	33.50	6.23	25.48	250.7	.082			
79	10.24	33.78	4.66	1.75	17	0.43	203.5	50	10.31	33.54	4.96	25.78	222.4	.130			
91	10.06	33.80	4.32	1.87	20	0.29	199.1	75	10.19	33.75	4.69	25.96	204.9	.184			
103	9.56	33.86	3.56	2.04	25	0.07	186.7	100	9.65	33.84	3.72	26.13	189.6	.233			
128	9.13	33.93	2.99	2.32	30	0.01	174.9	125	9.18	33.92	3.04	26.26	176.4	.280			
145	8.92	33.98	2.75	2.30	32	0.02	168.0	150	8.87	33.99	2.74	26.37	166.5	.323			
166	8.68	34.02	2.70	2.33	36	0.01	161.5	200	8.31	34.07	2.25	26.52	152.4	.404			
195	8.36	34.07	2.28	2.47	38	-	153.1	250	7.77	34.11	1.97	26.63	141.8	.480			
243	7.84	34.10	2.01	2.68	44	-	143.5	300	7.13	34.13	1.66	26.74	131.6	.550			
292	7.26	34.13	1.70	2.84	52	-	133.3	400	5.89	34.13	1.32	26.90	116.1	.679			
366	6.08	34.09	1.58	2.97	64	-	121.3	500	5.57	34.28	.57	27.06	101.1	.793			
474	5.62	34.24	.71	3.29	76	-	104.7	600	5.18	34.35	.47	27.16	91.4	.896			
569	5.38	34.34	.44	3.38	85	-	94.4	700	4.59	34.37	.62	27.24	83.5	.991			
710	4.54	34.37	.62	3.44	102	-	83.0	800	4.30	34.42	.68	27.32	76.8	1.078			
863	4.12	34.45	.72	3.43	112	-	72.7	1000	3.76	34.50	.82	27.44	65.4	1.237			
1058	3.60	34.51	.88	3.38	125	-	63.2										
1133	3.44	34.52	1.10	3.33	130	-	60.9										

P3.44A				CCOFI CRUISE 6407												83.44A	
ALEXANDER AGASSIZ, JUNE 18 1964, 2104 GCT, 34 10N 119 40W, SOUNDING 156 FM, WIND 100 FORCE 2, WEATHER CLEAR, SEA RCLGRATE, WIRE ANGLE 12.																	
C	14.92	33.867	7.34	C.40	9	0.06	283.7	0	14.92	33.87	7.34	25.14	283.5	0			
1C	13.68	33.879	7.19	0.56	10	0.10	257.9	10	13.68	33.88	7.19	25.41	257.8	.027			
3C	10.87	33.842	3.56	1.84	20	0.51	209.4	20	11.74	33.85	4.62	25.77	223.9	.051			
39	10.68	33.871	3.48	1.94	21	0.50	204.1	30	10.87	33.84	3.56	25.92	209.5	.073			
54	10.26	33.888	3.14	2.02	23	0.34	195.9	50	10.36	33.88	3.21	26.04	198.1	.114			
70	9.96	33.917	2.95	2.09	26	0.18	188.9	75	9.83	33.93	2.86	26.17	185.8	.162			
83	9.61	33.969	2.59	2.17	28	0.07	179.4	100	9.33	34.04	2.32	26.33	169.8	.207			
103	9.26	34.055	2.25	2.38	33	0.14	167.6	125	8.62	34.16	1.58	26.54	150.2	.248			
122	8.67	34.155	1.64	2.64	38	0.08	151.3	150	8.44	34.20	1.29	26.60	144.6	.285			
142	8.48	34.195	1.37	2.75	43	0.09	145.6	200	8.11	34.22	.96	26.67	138.4	.357			
176	8.33	34.214	1.09	-	-	-	142.0	250	7.61	34.22	.91	26.74	131.4	.427			
206	8.04	34.223	.94	-	-	-	137.1										
246	7.64	34.215	.91	-	-	-	132.1										
275	7.44	34.215	.86	-	-	-	129.4										

83.45A				CCCCI CRUISE 6407												83.45A			
ALEXANDER AGASSIZ, JUNE 18 1964, 1908 GCT, 34 12N 119 50W, SOUNDING 230 FM, WIND 080 FORCE 4, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 13.																			
1	14.09	33.851	7.13	0.43	10	0.08	268.1	0	14.09	33.85	7.13	25.30	268.1	0					
11	13.70	33.854	7.05	0.51	9	0.09	260.1	10	13.76	33.85	7.07	25.37	261.6	.027					
30	10.70	33.832	3.50	1.79	20	0.23	207.3	20	12.50	33.84	5.60	25.61	238.4	.052					
45	9.96	33.914	2.81	2.06	27	0.33	189.1	30	10.70	33.83	3.50	25.94	207.4	.074					
55	9.82	33.957	2.85	2.12	28	0.15	183.7	50	9.90	33.93	2.83	26.15	186.9	.113					
65	9.46	33.990	2.62	2.75	31	0.05	175.5	75	9.40	34.02	2.40	26.31	172.4	.159					
84	9.36	34.038	2.25	2.32	33	0.03	170.4	100	9.22	34.06	2.45	26.37	166.7	.202					
98	9.23	34.062	2.45	2.33	35	0.02	166.7	125	8.90	34.12	1.85	26.47	157.3	.243					
123	8.91	34.116	1.85	2.48	38	0.09	157.8	150	8.80	34.14	1.72	26.50	154.4	.282					
142	8.84	34.137	1.78	2.58	39	0.04	155.2	200	8.42	34.21	1.36	26.61	143.6	.358					
171	8.66	34.164	1.58	-	-	-	150.5	250	8.12	34.22	.94	26.66	138.5	.431					
201	8.41	34.213	1.34	-	-	-	143.2	300	7.35	34.22	.74	26.78	127.8	.500					
235	8.22	34.222	1.07	-	-	-	139.8	400	6.68	34.25	.40	26.89	116.8	.627					
290	7.46	34.222	.74	-	-	-	129.2												
344	7.08	34.233	.72	-	-	-	123.3												
404	6.66	34.253	.37	-	-	-	116.3												

83.53A				CCCCI CRUISE 6407												83.53A	
ALEXANDER AGASSIZ, JUNE 18 1964, 1309 GCT, 33 55.5N 120 23W, SOUNDING 250 FM, WIND 320 FORCE 7, WEATHER CLOUDY, SEA VERY RCLGP, WIRE ANGLE 40.																	
C	11.78	33.933	-	-	-	-	218.5	0	11.78	33.93	-	25.82	218.7				
8	11.78	33.937	-	-	-	-	218.2	10	11.77	33.94	-	25.83	217.8				
24	11.46	33.924	-	-	-	-	213.5	20	11.54	33.93	-	25.86	214.5				
35	11.32	33.919	-	-	-	-	211.4	30	11.39	33.92	-	25.88	212.6				
42	11.14	33.928	-	-	-	-	207.6	50	11.08	33.93	-	25.95	206.5				
54	11.05	33.937	-	-	-	-	205.4	75	9.40	34.05	-	26.33	170.2				
66	9.74	34.007	-	-	-	-	178.7	100	8.93	34.12	-	26.46	157.8				
77	9.26	34.060	-	-	-	-	167.3	125	8.74	34.16	-	26.52	152.0				
97	8.95	34.117	-	-	-	-	158.3	150	8.64	34.17	-	26.55	149.8				
112	8.86	34.137	-	-	-	-	155.5	200	8.45	34.20	-	26.60	144.7				
135	8.68	34.166	-	-	-	-	150.7	250	8.13	34.23	-	26.67	137.9				
158	8.62	34.171	-	-	-	-	149.4	300	7.78	34.25	-	26.74	131.5				
185	8.53	34.186	-	-	-	-	147.0										
230	8.23	34.218	-	-	-	-	140.2										
277	7.98	34.237	-	-	-	-	135.3										
331	7.48	34.267	-	-	-	-	126.1										

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED		
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
83.55A							CCCFI CRUISE 6407							83.55A	
ALEXANDER AGASSIZ, JUNE 18 1964, 1038 GCT, 33 52N 120 30W, SOUNDING 772 FM, WIND 320 FORCE 7, WEATHER CLEAR, SEA HIGH, WIRE ANGLE 47.															
1	11.55	33.821	-	-	-	-	222.7	0	11.55	33.82	-	25.78	222.7	0	
8	11.52	33.820	-	-	-	-	222.2	10	11.52	33.82	-	25.78	222.2	.022	
24	11.55	33.832	-	-	-	-	221.9	20	11.54	33.83	-	25.79	221.8	.044	
31	11.54	33.834	-	-	-	-	221.5	30	11.54	33.83	-	25.79	221.8	.067	
42	11.52	33.840	-	-	-	-	220.7	50	11.17	33.82	-	25.85	216.1	.111	
51	11.04	33.807	-	-	-	-	214.9	75	10.28	33.96	-	26.11	190.9	.162	
68	10.34	33.953	-	-	-	-	192.4	100	9.62	34.02	-	26.27	175.8	.208	
81	10.22	33.962	-	-	-	-	189.7	125	8.98	34.09	-	26.43	160.8	.251	
94	9.90	34.001	-	-	-	-	181.7	150	8.64	34.16	-	26.54	150.5	.290	
112	9.16	34.055	-	-	-	-	166.1	200	8.35	34.21	-	26.62	142.5	.365	
130	8.83	34.124	-	-	-	-	156.0	250	8.12	34.24	-	26.68	137.0	.437	
152	8.62	34.166	-	-	-	-	149.8	300	7.69	34.26	-	26.76	129.5	.506	
170	8.50	34.193	-	-	-	-	146.0	400	6.99	34.30	-	26.89	117.1	.635	
198	8.36	34.210	-	-	-	-	142.7	500	6.14	34.32	-	27.02	104.9	.752	
235	8.22	34.233	-	-	-	-	139.0								
301	7.68	34.262	-	-	-	-	129.2								
370	7.20	34.287	-	-	-	-	120.8								
433	6.71	34.302	-	-	-	-	113.3								

83.51B						CCCFI CRUISE 6407						83.51B					
ALEXANDER AGASSIZ, JUNE 17 1964, 1314 GCT, 33 52N 120 08.5W, SOUNDING 86 FM, WIND 320 FORCE 7, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 33.																	
1	11.19	33.879	4.80	1.16	19	0.20	212.1	0	11.19	33.88	4.80	25.89	212.1	0			
9	11.14	33.883	4.50	1.18	21	0.21	211.0	10	11.13	33.88	4.40	25.90	211.0	.021			
26	11.02	33.880	4.20	1.23	21	0.20	209.1	20	11.08	33.88	4.30	25.91	210.2	.042			
35	10.80	33.877	3.80	1.30	20	0.19	205.6	30	10.97	33.88	4.00	25.93	208.3	.063			
48	10.26	33.900	3.30	1.45	23	0.16	195.0	50	10.23	33.91	3.30	26.08	193.7	.104			
60	9.98	33.952	3.20	1.58	27	0.12	186.6	75	9.49	34.02	2.70	26.29	173.8	.150			
72	9.52	34.016	2.70	1.67	31	0.10	174.6	100	9.25	34.08	2.50	26.38	165.6	.193			
89	9.35	34.055	2.70	1.73	32	0.11	169.0	125	9.12	34.09	2.20	26.41	162.9	.234			
110	9.18	34.088	2.20	1.80	35	0.11	164.0										
132	9.12	34.088	2.20	1.81	35	0.10	163.0										

83.55B				CCCFI CRUISE 6407										83.55B			
ALEXANDER AGASSIZ, JUNE 17 1964, 1640 GCT, 33 44N 120 24.5W, SOUNDING 475 FM, WIND 340 FORCE 5, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 36.																	
1	12.02	33.851	6.39	0.97	12	0.28	228.8	0	12.02	33.85	6.39	25.71	228.9	0			
9	11.95	33.843	6.38	1.01	12	0.27	228.1	10	11.94	33.84	6.38	25.72	228.2	.023			
30	11.88	33.834	6.30	1.05	12	0.27	227.5	20	11.90	33.83	6.34	25.72	228.2	.046			
54	11.01	33.836	5.41	1.41	14	0.32	212.2	30	11.88	33.83	6.30	25.72	227.8	.069			
62	9.50	33.794	4.18	1.77	21	0.09	190.7	50	11.55	33.83	5.93	25.79	222.0	.114			
78	9.37	33.814	3.92	1.87	23	0.05	187.2	75	9.39	33.80	4.00	26.14	188.5	.165			
90	9.28	33.850	3.59	1.94	25	0.03	183.1	100	9.35	33.97	2.95	26.28	175.3	.211			
102	9.36	33.987	2.84	2.18	29	0.04	174.2	125	9.17	34.06	2.20	26.38	165.9	.255			
127	9.16	34.068	2.19	2.41	33	0.02	165.1	150	8.99	34.12	2.09	26.45	158.7	.296			
145	9.02	34.108	2.17	2.43	35	0.03	160.0	200	8.21	34.17	2.15	26.61	143.5	.373			
168	8.80	34.142	1.89	2.58	38	-	154.2	250	7.15	34.10	2.00	26.71	134.1	.444			
196	8.29	34.171	2.16	2.71	43	-	144.6	300	6.37	34.12	1.71	26.83	122.6	.510			
221	7.75	34.142	1.80	2.75	46	-	139.1	400	5.92	34.22	1.01	26.97	109.7	.631			
260	6.94	34.090	2.06	2.77	52	-	132.1	500	5.80	34.30	.73	27.05	102.3	.743			
314	6.26	34.123	1.62	3.04	62	-	121.0										
397	5.92	34.213	1.03	3.20	71	-	110.2										
475	5.84	34.276	.70	3.30	74	-	104.5										
549	5.66	34.334	.79	3.42	81	-	98.1										

83.60B				CCCFI CRUISE 6407										83.60B			
ALEXANDER AGASSIZ, JUNE 17 1964, 2047 GCT, 33 33.5N 120 45W, SOUNDING 812 FM, WIND 320 FORCE 5, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 35.																	
1	14.08	33.588	-	-	-	-	287.1	0	14.08	33.59	-	25.10	287.0	0			
9	14.02	33.589	-	-	-	-	285.9	10	14.02	33.59	-	25.11	285.8	.029			
30	13.72	33.607	-	-	-	-	278.7	20	14.01	33.59	-	25.12	285.6	.057			
54	10.06	33.538	-	-	-	-	218.5	30	13.72	33.61	-	25.19	278.4	.086			
62	10.10	33.681	-	-	-	-	208.6	50	10.32	33.54	-	25.78	222.6	.136			
78	9.96	33.801	-	-	-	-	197.4	75	10.10	33.80	-	26.02	199.8	.189			
91	9.42	33.742	-	-	-	-	193.3	100	9.30	33.77	-	26.13	189.4	.238			
103	9.28	33.793	-	-	-	-	187.4	125	9.07	33.88	-	26.25	177.7	.284			
126	9.07	33.879	-	-	-	-	177.8	150	8.88	33.98	-	26.36	167.4	.328			
141	8.99	33.941	-	-	-	-	172.0	200	8.23	34.07	-	26.53	151.2	.409			
163	8.70	34.019	-	-	-	-	161.9	250	7.34	34.10	-	26.68	136.6	.483			
188	8.44	34.048	-	-	-	-	155.9	300	6.86	34.13	-	26.77	128.1	.552			
211	8.00	34.079	-	-	-	-	147.3	400	5.61	34.13	-	26.94	112.8	.677			
248	7.38	34.099	-	-	-	-	137.3	500	5.14	34.24	-	27.08	99.2	.788			
301	6.85	34.135	-	-	-	-	127.6										
385	5.78	34.127	-	-	-	-	115.0										
464	5.12	34.172	-	-	-	-	104.1										
534	5.18	34.296	-	-	-	-	95.5										

OBSERVED LEVELS OF DEPTH							STANDARD LEVELS OF DEPTH								
INPUT							COMPUTED								
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
83.658							CCOFI CRUISE 6407							83.658	
ALEXANDER AGASSIZ, JUNE 18 1964, 0037 GCT, 33 24N 121 06W, SOUNDING 1905 FM, WIND 100 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 35.															
C	14.02	33.665	-	-	-	-	280.3	0	14.02	33.66	-	25.17	280.7	0	
8	14.00	33.663	-	-	-	-	280.1	10	13.98	33.66	-	25.18	279.9	.028	
30	12.10	33.588	-	-	-	-	249.6	20	13.66	33.65	-	25.23	274.3	.056	
38	11.33	33.559	-	-	-	-	238.1	30	12.10	33.59	-	25.50	249.5	.082	
50	11.30	33.687	-	-	-	-	228.2	50	11.30	33.69	-	25.72	228.0	.130	
62	10.96	33.715	-	-	-	-	220.3	75	10.53	33.80	-	25.94	206.8	.185	
81	10.12	33.822	-	-	-	-	198.5	100	9.52	33.88	-	26.18	184.6	.234	
97	9.60	33.874	-	-	-	-	186.3	125	9.03	33.94	-	26.30	172.7	.279	
113	9.26	33.916	-	-	-	-	177.9	150	8.62	33.99	-	26.41	162.8	.322	
138	8.81	33.963	-	-	-	-	167.6	200	8.30	34.08	-	26.53	151.5	.402	
160	8.50	34.008	-	-	-	-	159.7	250	7.54	34.12	-	26.67	137.9	.476	
190	8.32	34.057	-	-	-	-	153.5	300	6.67	34.09	-	26.77	128.6	.545	
213	8.27	34.116	-	-	-	-	148.4	400	6.03	34.16	-	26.91	115.5	.672	
250	7.54	34.119	-	-	-	-	137.9	500	5.61	34.25	-	27.03	103.8	.787	
301	6.66	34.090	-	-	-	-	128.5								
381	6.16	34.148	-	-	-	-	118.0								
459	5.71	34.200	-	-	-	-	108.7								
525	5.58	34.301	-	-	-	-	99.6								
84.40							CCOFI CRUISE 6407							84.40	
ALEXANDER AGASSIZ, JUNE 17 1964, 0144 GCT, 34 05.5N 119 17W, SOUNDING 106 FM, WIND 100 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 23.															
C	14.34	33.814	-	-	-	-	275.8	0	14.34	33.81	-	25.22	276.1	0	
9	14.18	33.816	-	-	-	-	272.4	10	14.16	33.82	-	25.26	271.7	.027	
28	11.36	33.787	-	-	-	-	221.9	20	13.00	33.80	-	25.48	250.6	.054	
37	10.50	33.815	-	-	-	-	205.2	30	11.08	33.79	-	25.84	216.8	.077	
52	10.00	33.858	-	-	-	-	193.9	50	10.04	33.85	-	26.07	195.1	.118	
65	9.76	33.899	-	-	-	-	187.0	75	9.58	33.93	-	26.21	181.9	.166	
79	9.52	33.948	-	-	-	-	179.6	100	9.35	34.05	-	26.34	169.4	.210	
98	9.36	34.044	-	-	-	-	170.0	125	9.14	34.10	-	26.41	162.5	.252	
116	9.28	34.063	-	-	-	-	167.4	150	8.77	34.16	-	26.52	152.4	.292	
134	8.95	34.128	-	-	-	-	157.5								
153	8.74	34.167	-	-	-	-	151.5								
176	8.60	34.192	-	-	-	-	147.5								
84.41							CCOFI CRUISE 6407							84.41	
ALEXANDER AGASSIZ, JUNE 17 1964, 0547 GCT, 34 07N 119 25W, SOUNDING 125 FM, WIND 140 FORCE 5, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 33.															
1	13.56	33.839	-	-	-	-	258.5	0	13.56	33.84	-	25.40	258.4	0	
5	13.52	33.843	-	-	-	-	257.4	10	13.52	33.84	-	25.41	257.7	.026	
26	13.12	33.839	-	-	-	-	250.1	20	13.23	33.84	-	25.47	252.1	.051	
34	12.90	33.846	-	-	-	-	245.2	30	13.04	33.84	-	25.51	248.5	.076	
47	10.85	33.880	-	-	-	-	206.2	50	10.60	33.88	-	25.99	202.1	.122	
60	10.16	33.868	-	-	-	-	195.7	75	9.77	33.89	-	26.14	187.8	.171	
72	9.90	33.878	-	-	-	-	190.8	100	9.50	33.99	-	26.27	176.2	.217	
89	9.51	33.972	-	-	-	-	177.7	125	9.17	34.08	-	26.39	164.4	.260	
106	9.32	34.028	-	-	-	-	170.6	150	8.60	34.18	-	26.56	148.4	.300	
123	9.20	34.073	-	-	-	-	165.4	200	8.13	34.23	-	26.67	137.9	.373	
148	8.64	34.164	-	-	-	-	150.2								
165	8.36	34.214	-	-	-	-	142.4								
195	8.16	34.230	-	-	-	-	138.3								
84.45							CCOFI CRUISE 6407							84.45	
ALEXANDER AGASSIZ, JUNE 17 1964, 0827 GCT, 33 55.5N 119 37.5W, SOUNDING 400 FM, WIND 100 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 24.															
1	13.76	33.849	5.87	0.94	12	0.21	261.7	0	13.76	33.85	5.87	25.37	261.6	0	
10	13.64	33.848	5.83	0.93	13	0.21	259.4	10	13.64	33.85	5.83	25.39	259.3	.026	
29	10.60	33.861	3.42	1.87	23	0.26	203.5	20	11.43	33.85	4.23	25.82	218.4	.050	
38	10.28	33.871	3.05	1.97	25	0.20	197.4	30	10.56	33.86	3.35	25.99	202.9	.071	
51	9.97	33.890	3.17	2.04	27	0.12	191.0	50	9.99	33.89	3.17	26.11	191.3	.111	
65	9.50	33.966	2.70	2.16	29	0.04	178.0	75	9.28	34.03	2.39	26.33	169.8	.156	
87	9.12	34.068	2.22	2.36	35	0.02	164.5	100	9.03	34.08	2.16	26.41	162.3	.198	
105	8.98	34.095	2.10	2.45	35	0.01	160.4	125	8.75	34.14	1.85	26.51	153.6	.238	
123	8.77	34.141	1.85	2.53	40	0.04	153.8	150	8.67	34.16	1.84	26.53	150.9	.277	
141	8.70	34.154	1.87	2.46	42	0.04	151.8	200	8.32	34.22	1.48	26.63	141.4	.351	
168	8.60	34.171	1.71	-	-	-	149.1	250	8.14	34.24	1.22	26.68	137.3	.423	
200	8.32	34.216	1.48	-	-	-	141.7	300	7.90	34.27	1.03	26.74	131.7	.493	
227	8.23	34.225	1.37	-	-	-	139.7	400	7.47	34.29	.77	26.81	124.2	.627	
272	8.04	34.251	1.11	-	-	-	135.1	500	6.87	34.31	.64	26.91	114.8	.753	
323	7.78	34.277	.98	-	-	-	129.5								
402	7.46	34.296	.77	-	-	-	123.7								
484	7.00	34.305	.67	-	-	-	116.8								
568	6.16	34.345	.46	-	-	-	103.2								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH									
INPUT								COMPUTED									
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
85.41								CCCFI CRUISE 6407								85.41	
ALEXANDER AGASSIZ, JUNE 16 1964, 2109 GCT, 33 53.5N 119 16.5W, SOUNDING 432 FM, WIND 250 FORCE 3, WEATHER CLOUDY, SEA MCCERATE, WIRE ANGLE C7.																	
C	16.96	33.832	-	-	-	-	330.2	0	16.96	33.83	-	24.65	330.3	0			
10	15.80	33.825	-	-	-	-	305.3	10	15.80	33.82	-	24.91	305.7	.032			
30	12.24	33.765	-	-	-	-	239.1	20	13.47	33.78	-	25.37	261.1	.060			
60	10.20	33.826	-	-	-	-	199.5	30	12.24	33.76	-	25.60	239.5	.085			
70	9.80	33.868	-	-	-	-	189.9	50	10.40	33.82	-	25.98	203.2	.130			
84	9.56	33.911	-	-	-	-	183.0	75	9.71	33.88	-	26.15	187.6	.179			
99	9.26	34.008	-	-	-	-	171.1	100	9.25	34.02	-	26.33	170.1	.224			
114	9.19	34.068	-	-	-	-	165.6	125	9.04	34.09	-	26.42	161.7	.266			
140	8.89	34.126	-	-	-	-	156.8	150	8.89	34.15	-	26.49	155.0	.306			
160	8.89	34.173	-	-	-	-	153.3	200	8.51	34.19	-	26.58	146.4	.383			
190	8.60	34.183	-	-	-	-	148.2	250	8.10	34.25	-	26.69	136.0	.456			
219	8.34	34.220	-	-	-	-	141.7	300	7.71	34.26	-	26.76	129.8	.525			
249	8.11	34.244	-	-	-	-	136.6	400	6.84	34.30	-	26.91	115.1	.653			
299	7.72	34.263	-	-	-	-	129.7	500	6.18	34.34	-	27.03	103.8	.769			
353	7.22	34.285	-	-	-	-	121.2	600	5.60	34.38	-	27.13	93.9	.875			
438	6.58	34.316	-	-	-	-	110.6										
522	6.05	34.351	-	-	-	-	101.4										
608	5.56	34.378	-	-	-	-	93.6										

85.46							CCCFI CRUISE 6407							85.46						
ALEXANDER AGASSIZ, JUNE 16 1964, 1416 1618 GCT, 33 44.5N 119 35W, SOUNDING 1020 FM, WIND 320 FORCE 3, WEATHER CLCLCY, SEA SLIGHT, WIRE ANGLE 15 02.																				
C	14.58	33.812	6.3	0.61	11	0.00	280.8	0	14.58	33.81	6.3	25.17	280.9	0						
10	14.38	33.807	6.1	0.55	10	0.00	277.1	10	14.38	33.81	6.1	25.21	276.9	.028						
29	11.65	33.825	4.9	1.29	17	0.32	224.1	20	12.00	33.82	5.0	25.69	230.7	.053						
59	9.90	33.893	3.3	1.83	27	0.04	189.7	30	11.60	33.83	4.8	25.78	222.9	.076						
78	9.28	34.001	2.8	2.14	32	0.02	171.9	50	10.26	33.87	3.6	26.05	197.2	.118						
93	9.18	34.016	2.6	2.19	33	0.02	169.3	75	9.36	33.99	2.9	26.29	174.0	.165						
107	9.18	34.030	2.6	2.23	33	0.03	168.3	100	9.18	34.02	2.6	26.34	169.0	.208						
131	9.16	34.047	2.6	2.20	35	0.02	166.7	125	9.17	34.04	2.6	26.36	167.4	.251						
150	8.86	34.124	2.0	2.42	39	0.06	156.4	150	8.86	34.12	2.0	26.47	156.7	.292						
175	8.68	34.155	2.1	2.44	40	-	151.5	200	8.57	34.19	1.7	26.57	147.2	.370						
203	8.55	34.189	1.7	2.58	43	-	147.0	250	8.09	34.23	1.4	26.68	137.3	.443						
251	8.08	34.231	1.3	2.73	48	-	137.1	300	7.53	34.26	1.0	26.78	127.3	.511						
309	7.44	34.272	1.0	2.95	57	-	125.2	400	6.82	34.30	1.0	26.91	114.9	.638						
406	6.78	34.302	1.0	3.09	67	-	114.2	500	6.13	34.34	.7	27.04	103.2	.753						
502	6.12	34.341	.7	3.77U	78	-	103.0	600	5.58	34.38	-	27.14	93.7	.859						
608	5.54	34.379	.6	3.43	90	-	93.3	700	4.99	34.42	-	27.24	84.1	.955						
765	4.64	34.439	.9	3.53	107	-	78.9	800	4.53	34.45	-	27.31	76.9	1.044						
875B	4.36	34.459	.6	3.41	112	-	74.5	1000	4.26	34.47	-	27.36	72.6	1.211						
924B	4.33	34.462	.4	3.36	117	-	73.9	1200	4.20	34.47	-	27.37	72.0	1.377						
931	4.32	34.461	1.0	3.56	116	-	73.9	1500	4.19	34.47	-	27.37	71.9	1.630						
973B	4.24	34.470	.7	3.48	117	-	72.4													
1023B	4.24	34.472	.4	3.46	118	-	72.3													
1072B	4.22	34.469	.4	3.48	118	-	72.3													
109C	4.22	34.468	.5	3.55	118	-	72.4													
116B	4.20	34.474	.5	3.56	120	-	71.7													
117CB	4.20	34.470	.4	3.48	121	-	72.0													
127CB	4.20	34.474	.4	3.51	121	-	71.7													
1368B	4.19	34.477	.6	3.48	117	-	71.4													
1467B	4.19	34.474	.5	3.50	121	-	71.6													
1566B	4.18	34.474	.5	3.51	123	-	71.5													
1664B	4.20	34.473	.5	3.45	125	-	71.8													
1714B	4.20	34.479	.6	3.48	120	-	71.3													
1764B	4.20	34.478	.6	3.49	122	-	71.4													
1804B	4.20	34.478	.6	3.54	122	-	71.4													
1863B	4.19	34.474	.5	3.53	123	-	71.6													

85.55	CCCFI CRUISE 6407											85.55		
ALEXANDER AGASSIZ, JUNE 16 1964, 0513 GCT, 33 27N 120 11W, SOUNDING 602 FM, WIND 030 FORCE 6, WEATHER MISSING, SEA MISSING, WIRE ANGLE 43.														
1	13.65	33.389	-	-	-	-	293.3	0	13.65	33.39	-	25.04	293.2	0
9	13.63	33.391	-	-	-	-	292.7	10	13.63	33.39	-	25.04	292.8	.029
23	13.04	33.455	-	-	-	-	276.8	20	13.08	33.45	-	25.20	277.9	.058
30	12.22	33.456	-	-	-	-	261.5	30	12.22	33.46	-	25.37	261.2	.085
42	11.71	33.440	-	-	-	-	253.6	50	10.75	33.44	-	25.63	237.1	.135
52	10.64	33.439	-	-	-	-	235.3	75	10.03	33.60	-	25.88	213.4	.192
70	10.21	33.552	-	-	-	-	219.9	100	9.74	33.81	-	26.09	193.3	.243
84	10.00	33.710	-	-	-	-	204.8	125	8.94	33.87	-	26.26	176.5	.290
98	9.77	33.811	-	-	-	-	193.7	150	8.56	33.97	-	26.40	163.4	.333
112	9.17	33.813	-	-	-	-	184.2	200	8.03	34.01	-	26.51	152.8	.413
133	8.82	33.911	-	-	-	-	171.7	250	7.16	34.02	-	26.65	140.2	.488
155	8.52	33.977	-	-	-	-	162.3	300	6.67	34.09	-	26.77	128.6	.558
175	8.40	33.981	-	-	-	-	160.3	400	6.22	34.20	-	26.91	114.8	.684
206	7.92	34.007	-	-	-	-	151.5	500	5.85	34.29	-	27.03	103.6	.799
241	7.28	34.008	-	-	-	-	142.7							
299	6.68	34.088	-	-	-	-	128.9							
365	6.35	34.160	-	-	-	-	119.4							
440	6.08	34.238	-	-	-	-	110.3							

A) THE OXYGEN VALUES WERE TOO UNCERTAIN FOR INTERPOLATION BELOW

56 500 METERS.

B) OVERLAPPING CASTS, RECONCILIATION OF PROPERTY CURVES WHEN NECESSARY.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED	INPUT				COMPUTED			
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
85.60							CCCFI CRUISE 6407	85.60							
ALEXANDER AGASSIZ, JUNE 15 1964, 1956 GCT, 33 17N 120 33.5W, SOUNDING 640 FM, WIND 340 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 16.															
2	14.63	33.202	6.12	C.46	2	0.02	326.5	0	14.63	33.20	6.12	24.69	326.6	0	
11	14.58	33.208	6.11	C.42	2	0.01	325.0	10	14.58	33.21	6.11	24.70	324.9	.033	
31	12.66	33.325	6.26	0.69	3	0.14	279.2	20	13.80	33.26	6.18	24.91	305.7	.064	
60	11.60	33.558	5.18	0.90	9	0.10	242.9	30	12.85	33.32	6.26	25.14	283.1	.094	
79	10.12	33.527	5.05	1.50	16	0.02	220.3	50	11.01	33.38	5.23	25.53	245.9	.147	
94	9.74	33.598	4.21	1.67	20	0.02	209.0	75	10.42	33.53	5.11	25.75	224.9	.206	
108	9.34	33.751	3.96	1.79	23	0.02	191.4	100	9.56	33.66	4.03	26.00	201.6	.260	
132	9.00	33.901	3.92	1.78	25	0.01	175.1	125	9.07	33.88	3.92	26.25	177.7	.308	
152	8.80	33.948	4.22	1.72	26	0.03	168.6	150	8.82	33.95	4.22	26.35	168.8	.352	
175	8.48	33.979	4.01	1.73	30	0.01	161.6	200	7.94	34.00	3.80	26.52	152.3	.433	
205	7.86	33.959	3.76	2.21	37	-	151.3	250	7.36	34.05	2.68	26.64	140.6	.508	
253	7.32	34.055	2.64	2.55	46	-	139.7	300	6.48	34.04	2.32	26.75	130.0	.578	
309	6.38	34.037	2.25	2.75	57	-	129.0	400	5.75	34.11	1.39	26.90	115.9	.706	
396	5.78	34.101	1.42	2.97	69	-	116.9	500	5.33	34.23	.74	27.05	102.1	.820	
502	5.32	34.235	.72	3.26	83	-	101.6	600	5.08	34.37	.91	27.19	88.8	.922	
607	5.06	34.369	.92	3.34	91	-	88.7	700	4.77	34.40	1.11	27.25	83.2	1.015	
759	4.58	34.416	1.18	3.37	100	-	80.0	800	4.43	34.43	1.15	27.31	77.4	1.103	
921	4.04	34.470	1.01	3.40	113	-	70.4	1000	3.79	34.50	1.08	27.43	65.7	1.263	
1076	3.58	34.511	1.22	3.43	126	-	62.9								
1158	3.43	34.517	1.49	3.31	128	-	61.1								

90.28 CCCFI CRUISE 6407 90.28

ALEXANDER AGASSIZ, JULY 12 1964, C728 0649 GCT, 33 28.5N 117 47W, SOUNDING 200 FM, WIND 300 FORCE 4, WEATHER PARTLY CLCUDY, SEA MODERATE, WIRE ANGLE 01 01.

C	19.10	33.830	6.94	0.38	5	0.03	380.2	0	19.10	33.83	6.94	24.12	380.2	0		
10	18.72	33.733	5.67	0.91	10	0.16	378.1	10	18.72	33.73	5.67	24.14	378.4	.038		
30	11.20	33.741	4.28	1.18	13	0.14	222.5	20	13.20	33.74	4.64	25.40	258.9	.070		
45	10.40	33.812	3.24	1.90	29	0.10	203.8	30	11.20	33.74	4.28	25.78	222.6	.094		
60	10.01	33.887	2.75	2.13	26	0.03	191.9	50	10.26	33.85	2.98	26.03	198.7	.136		
75	9.56	33.910	2.95	2.07	27	0.01	183.0	75	9.56	33.91	2.95	26.20	183.0	.184		
90	9.58	33.975	2.41	2.30	31	0.03	178.5	100	9.53	33.98	2.33	26.25	177.4	.230		
110A	9.48	33.986	2.32	2.28	31	0.03	176.2	125	9.37	34.01	2.39	26.30	172.7	.274		
135A	9.28	34.027	2.41	-	-	-	170.0	150	9.09	34.09	2.25	26.41	162.4	.317		
166A	8.90	34.128	2.00	-	-	-	156.8	200	8.72	34.16	1.66	26.53	151.7	.397		
200A	8.72	34.157	1.66	-	-	-	151.9	250	8.46	34.22	1.44	26.61	143.4	.473		
235A	8.55	34.215	1.45	-	-	-	145.1	300	8.27	34.25	1.23	26.67	138.4	.546		
275A	8.34	34.224	1.39	-	-	-	141.4									
320A	8.20	34.269	1.12	-	-	-	136.0									
360A	7.88	34.278	.93	-	-	-	130.8									

90.32 CCCFI CRUISE 6407 90.32

ALEXANDER AGASSIZ, JULY 12 1964, C400 0444 GCT, 33 21N 118 01.5W, SOUNDING 385 FM, WIND 300 FORCE 4, WEATHER PARTLY CLCUDY, SEA MODERATE, WIRE ANGLE 06 09.

C	18.90	33.841	6.08	0.32	2	0.01	374.6	0	18.90	33.84	6.08	24.18	374.7	0		
10	16.60	33.759	7.05	0.35	2	0.02	324.6	10	16.60	33.80	7.05	24.71	324.5	.035		
35	11.36	33.703	5.03	1.33	13	0.26	228.0	20	14.35	33.75	6.56	25.17	280.7	.065		
54	10.26	33.807	3.28	1.84	22	0.09	201.8	30	12.25	33.71	5.61	25.56	243.4	.092		
74	9.47	33.971	2.72	2.17	29	0.02	177.1	50	10.32	33.79	3.39	25.97	204.1	.136		
93	9.34	34.025	2.37	2.32	32	0.01	171.1	75	9.46	33.97	2.71	26.26	177.0	.184		
126	9.13	34.104	2.01	2.52	37	0.01	162.0	100	9.30	34.04	2.28	26.34	169.4	.228		
150	8.97	34.136	1.88	2.53	35	0.01	157.2	125	9.14	34.10	2.02	26.41	162.5	.270		
172A	8.78	34.173	1.61	-	-	-	151.6	150	8.97	34.14	1.88	26.47	156.9	.311		
219A	8.75	34.235	1.28	-	-	-	146.6	200	8.75	34.22	1.37	26.57	147.7	.389		
247A	8.70	34.249	1.15	-	-	-	144.8	250	8.69	34.25	1.14	26.60	144.6	.464		
285	8.54	34.264	1.04	-	-	-	141.3	300	8.47	34.26	1.04	26.64	140.6	.538		
333A	8.28	34.264	1.07	-	-	-	137.5	400	7.68	34.29	.80	26.78	127.1	.677		
380A	7.87	34.283	.87	-	-	-	130.3	500	6.60	34.31	.47	26.95	111.3	.804		
438A	7.30	34.293	.68	-	-	-	121.7									
501A	6.59	34.316	.47	-	-	-	110.7									

A) CAST II.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED	INPUT				COMPUTED			
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DO	
90.37							CCOFI CRUISE 6407							90.37	
ALEXANDER AGASSIZ, JULY 12 1964, C101 0141 GCT, 33 11N 118 22.5W, SOUNDING 630 FM, WIND 300 FORCE 4, WEATHER CLEAR, SEA MCCERATE, WIRE ANGLE 21 39.															
C	18.82	33.863	5.86	0.41	3	0.00	371.1	0	18.82	33.86	5.86	24.22	371.3	0	
9	18.51	33.862	6.28	0.43	3	0.00	363.8	10	18.42	33.86	6.28	24.32	361.8	.037	
33	10.95	33.743	4.15	1.64	17	0.19	218.1	20	13.00	33.77	4.83	25.46	252.9	.067	
51	10.14	33.794	3.37	1.82	22	0.05	200.9	30	11.50	33.75	4.35	25.73	227.0	.091	
70	9.71	33.914	2.88	2.11	28	0.03	185.1	50	10.19	33.78	3.42	25.99	202.7	.135	
85	9.26	33.972	2.82	2.19	30	0.01	173.8	75	9.59	33.93	2.87	26.21	182.0	.183	
123	8.86	34.026	2.60	2.32	33	0.01	163.7	100	9.12	33.99	2.75	26.33	170.3	.228	
147	8.62	34.073	2.35	2.44	36	0.00	156.7	125	8.83	34.03	2.55	26.41	163.0	.270	
156A	8.53	34.073	2.34	-	-	-	155.3	150	8.59	34.07	2.35	26.48	156.4	.310	
201A	8.11	34.124	2.00	-	-	-	145.5	200	8.12	34.12	2.01	26.59	145.9	.387	
228A	7.66	34.124	1.82	-	-	-	139.2	250	7.52	34.14	1.74	26.69	136.1	.460	
264A	7.49	34.162	1.68	-	-	-	134.0	300	7.45	34.23	1.12	26.77	128.4	.528	
311A	7.42	34.248	.98	-	-	-	126.7	400	6.76	34.31	.56	26.93	113.4	.654	
358A	7.00	34.252	.81	-	-	-	120.8	500	6.20	34.34	-	27.03	104.1	.770	
414A	6.68	34.318	.52	-	-	-	111.7								
475A	6.32	34.333	.36	-	-	-	106.1								

90.45				CCOFI CRUISE 6407										90.45			
ALEXANDER AGASSIZ, JULY 11 1964, 2111 2147 GCT, 32 54.5N 118 55.5W, SOUNDING 918 FM, WIND 290 FORCE 3, WEATHER CLEAR, SEA MCCERATE, WIRE ANGLE 09 27.																	
C	17.30	33.853	6.91	0.09	2	0.02	333.4	0	17.30	33.89	6.91	24.61	333.6	0			
11	14.76	33.872	7.39	0.19	3	0.07	280.1	10	15.20	33.87	7.33	25.08	289.3	.031			
35	10.06	33.905	3.31	1.92	25	0.06	191.4	20	11.33	33.89	4.52	25.87	213.7	.056			
55	9.45	33.963	2.53	2.15	31	0.02	177.4	30	10.34	33.90	3.54	26.06	196.3	.077			
74	9.21	34.056	2.29	2.21	34	0.02	166.8	50	9.55	33.95	2.62	26.23	179.9	.115			
94	8.92	34.093	2.10	2.41	37	0.01	159.7	75	9.19	34.06	2.26	26.37	166.2	.158			
128	8.69	34.174	1.59	2.58	40	0.03	150.2	100	8.86	34.11	2.00	26.46	157.5	.199			
154	8.50	34.204	1.41	2.64	44	0.04	145.2	125	8.71	34.16	1.62	26.53	151.5	.238			
160A	8.48	34.202	1.50	-	-	-	145.0	150	8.54	34.20	1.47	26.58	146.1	.276			
205A	8.09	34.238	1.12	-	-	-	136.7	200	8.13	34.24	1.17	26.68	137.2	.349			
232A	7.83	34.242	1.04	-	-	-	132.8	250	7.67	34.25	1.04	26.75	130.0	.417			
267A	7.53	34.252	1.04	-	-	-	127.9	300	7.26	34.27	.83	26.83	122.9	.483			
313A	7.17	34.280	.72	-	-	-	121.0	400	6.54	34.31	.50	26.96	110.6	.605			
357A	6.85	34.300	.55	-	-	-	115.3	500	5.89	34.35	-	27.07	99.6	.716			
411A	6.48	34.318	.49	-	-	-	109.2										
469A	6.10	34.339	.44	-	-	-	102.9										

90.53				CCOFI CRUISE 6407										90.53			
ALEXANDER AGASSIZ, JULY 11 1964, 1715 1801 GCT, 32 39.5N 119 28.5W, SCUNDING 680 FM, WIND 310 FORCE 3, WEATHER CLEAR, SEA VERY RCLGH, WIRE ANGLE 03 12.																	
0	14.49	33.919	6.25	-	-	0.14	271.1	0	14.49	33.92	6.25	25.27	271.0	0			
20	13.20	33.910	6.16	-	-	0.19	246.4	10	13.70	33.92	6.23	25.43	255.3	.026			
35	12.95	33.903	5.76	-	-	0.23	242.1	20	13.20	33.91	6.16	25.53	246.4	.051			
55	9.80	33.950	2.86	-	-	0.04	183.9	30	13.00	33.91	5.83	25.57	242.6	.076			
75	9.08	34.037	2.48	-	-	0.02	166.2	50	10.30	33.93	3.18	26.09	193.4	.120			
94	8.86	34.095	2.2	-	-	0.02	158.6	75	9.08	34.04	2.48	26.37	166.0	.165			
129	8.46	34.146	1.61	-	-	0.03	148.9	100	8.80	34.11	2.1	26.47	156.6	.206			
154	8.35	34.195	1.48	-	-	0.03	143.7	125	8.50	34.14	1.67	26.54	149.9	.245			
171A	8.05	34.233	1.15	-	-	-	136.5	150	8.37	34.19	1.50	26.60	144.3	.282			
219A	7.73	34.264	.89	-	-	-	129.7	200	7.86	34.26	.98	26.73	131.9	.353			
248A	7.52	34.260	.82	-	-	-	127.2	250	7.50	34.26	.80	26.79	126.9	.419			
287A	7.03	34.262	.75	-	-	-	120.4	300	6.91	34.27	.72	26.88	118.3	.483			
334A	6.64	34.295	.62	-	-	-	112.9	400	6.30	34.33	.43	27.01	106.1	.600			
382A	6.39	34.319	.43	-	-	-	108.0	500	5.80	34.35	.38	27.09	98.5	.708			
440A	6.08	34.336	.43	-	-	-	102.9										
504A	5.77	34.356	.38	-	-	-	97.7										

A) CAST II.

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PFC	SIL	NIT	D* ² T	Z	T	S	OXY	SIG* ² T	D* ² T	DO	
90.60								CCGFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 11 1964, 1212 GCT, 34 25N 120 02.5W, SOUNDING 750 FM, WIND 270 FORCE 3, WEATHER CLOUDY, SEA VERY RUGGY, WIRE ANGLE C5.								90.60							
C	13.31	33.683	-	0.75	10	0.20	265.1	0	13.31	33.68	-	25.33	265.4	0	
1C	12.40	33.753	-	0.77	11	0.21	242.9	10	12.40	33.75	-	25.56	243.1	.025	
3C	11.92	33.721	-	0.97	11	0.23	236.6	20	12.17	33.74	-	25.60	239.7	.050	
55	10.81	33.656	-	1.18	15	0.15	222.1	30	11.92	33.72	-	25.63	236.7	.073	
65	11.06	33.732	-	1.30	16	0.17	220.7	50	10.92	33.66	-	25.77	223.7	.120	
75	10.80	33.806	-	1.54	20	0.22	210.9	75	10.80	33.81	-	25.91	210.6	.174	
85	10.07	33.861	-	1.85	25	0.22	194.8	100	9.75	33.92	-	26.17	185.3	.224	
104	9.65	33.934	-	2.04	29	0.07	182.7	125	9.17	34.02	-	26.34	168.9	.269	
128	9.12	34.028	-	2.31	35	0.04	167.5	150	8.79	34.10	-	26.47	157.2	.311	
147	8.82	34.095	-	2.41	39	0.07	158.0	200	8.20	34.17	-	26.61	143.4	.387	
171	8.62	34.133	-	-	-	-	152.2	250	7.38	34.17	-	26.73	132.0	.458	
200	8.20	34.172	-	-	-	-	143.2	300	6.98	34.23	-	26.84	122.2	.524	
230	7.52	34.128	-	-	-	-	137.0	400	6.37	34.32	-	26.99	107.7	.644	
265	7.24	34.216	-	-	-	-	126.7	500	5.78	34.36	-	27.10	97.5	.752	
325	6.75	34.253	-	-	-	-	117.5								
403	6.36	34.321	-	-	-	-	107.5								
478	5.86	34.354	-	-	-	-	98.9								
558	5.67	34.368	-	-	-	-	95.7								
90.70								CCGFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 11 1964, C647 GCT, 32 04.5N 120 38W, SOUNDING 2038 FM, WIND 300 FORCE 3, WEATHER MISSING, SEA RUGGY, WIRE ANGLE C7.								90.70							
C	15.27	33.320	6.11	0.48	0	0.03	331.0	0	15.27	33.32	6.11	24.64	331.0	0	
1C	14.40	33.324	6.48	0.57	2	0.08	312.9	10	14.40	33.32	6.48	24.83	313.2	.032	
3C	14.24	33.478	6.37	0.70	0	0.13	298.4	20	14.05	33.37	6.44	24.94	302.5	.063	
4C	14.20	33.510	5.88	0.73	1	0.13	295.2	30	14.24	33.48	6.37	24.98	298.2	.093	
55	12.90	33.309	6.22	0.74	1	0.17	284.8	50	13.25	33.36	6.13	25.09	287.7	.152	
7C	11.78	33.284	6.05	0.87	4	0.14	266.3	75	11.77	33.29	6.04	25.33	265.7	.222	
94	11.32	33.525	5.18	1.19	10	0.05	240.5	100	11.15	33.54	5.09	25.63	236.5	.285	
114	10.63	33.590	4.91	1.33	11	0.02	224.0	125	9.99	33.62	4.36	25.90	211.3	.341	
134	9.79	33.658	4.19	1.69	19	0.02	205.3	150	9.47	33.77	4.27	26.10	192.0	.392	
153	9.39	33.805	4.27	1.66	22	0.02	188.2	200	8.67	34.00	2.80	26.41	162.8	.483	
181	8.91	33.930	3.56	-	-	-	171.6	250	7.99	34.07	2.31	26.57	147.8	.562	
215	8.50	34.041	2.43	-	-	-	157.3	300	7.34	34.11	1.94	26.69	135.9	.636	
244	8.08	34.067	2.34	-	-	-	149.3	400	6.43	34.19	.85	26.88	118.1	.768	
292	7.42	34.097	2.07	-	-	-	137.9	500	5.84	34.31	.52	27.05	102.0	.884	
345	6.93	34.146	1.36	-	-	-	127.8	600	5.39	34.37	.32	27.15	92.3	.988	
428	6.22	34.214	.70	-	-	-	113.8								
511	5.80	34.318	.50	-	-	-	100.9								
595	5.41	34.364	.33	-	-	-	93.0								
90.80								CCGFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 11 1964, C150 GCT, 31 45N 121 19.5W, SOUNDING 2040 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA VERY RUGGY, WIRE ANGLE 22.								90.80							
C	15.60	33.354	6.04	0.34	3	0.01	335.4	0	15.60	33.35	6.04	24.59	335.7	0	
9	15.56	33.358	6.29	0.38	3	0.00	334.3	10	15.55	33.36	6.29	24.61	333.9	.033	
28	15.46	33.359	6.19	0.36	2	0.01	332.1	20	15.50	33.36	6.25	24.62	332.9	.067	
37	14.76	33.370	5.88	0.45	2	0.04	316.8	30	15.44	33.36	6.17	24.63	331.6	.100	
51	14.42	33.427	6.23	0.55	3	0.07	305.7	50	14.43	33.43	6.21	24.90	305.7	.164	
65	13.84	33.403	6.36	0.60	3	0.10	296.0	75	13.30	33.42	6.15	25.13	284.3	.238	
85	13.58	33.547	6.09	0.80	4	0.19	280.3	100	13.15	33.51	6.08	25.23	274.8	.309	
108	12.50	33.456	6.08	0.91	4	0.28	266.6	125	11.10	33.52	5.29	25.63	237.1	.373	
127	10.98	33.538	5.15	1.13	11	0.06	233.7	150	9.97	33.70	4.05	25.96	205.1	.429	
146	10.08	33.675	4.17	1.60	19	0.02	208.7	200	8.96	33.92	3.92	26.30	173.1	.526	
174	9.42	33.816	3.71	-	-	-	187.8	250	7.98	34.05	2.63	26.55	149.2	.608	
207	8.80	33.943	3.96	-	-	-	169.0	300	7.46	34.09	2.20	26.66	139.0	.682	
236	8.12	34.033	2.80	-	-	-	152.4	400	6.32	34.17	.93	26.88	118.3	.816	
283	7.68	34.080	2.39	-	-	-	142.7	500	5.74	34.24	.60	27.01	106.1	.934	
337	6.92	34.104	1.65	-	-	-	130.8	600	5.33	34.32	-	27.12	95.3	1.042	
418	6.18	34.186	.81	-	-	-	115.4								
500	5.74	34.244	.60	-	-	-	105.8								
582	5.40	34.311	.48	-	-	-	96.8								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
90.90								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 10 1964, 2106 GCT, 31 26N 121 58.5W, SOUNDING 2020 FM, WIND 340 FORCE 4, WEATHER OVERCAST, SEA VERY RCLGH, WIRE ANGLE 19.								90.90							
1	16.50	33.476	5.94	C.35	2	0.01	345.9	0	16.50	33.48	5.94	24.49	345.7	0	
11	16.42	33.478	6.33	C.34	2	0.01	344.0	10	16.43	33.48	6.32	24.50	344.1	.035	
29	16.10	33.469	6.24	C.36	2	0.01	337.7	20	16.35	33.48	6.33	24.52	342.4	.069	
36	15.50	33.437	5.92	C.35	3	0.02	327.3	30	16.05	33.47	6.21	24.58	336.6	.103	
52	13.93	33.455	6.38	C.44	3	0.06	293.9	50	14.06	33.45	6.36	25.00	296.9	.166	
67	12.98	33.478	6.14	C.67	5	0.20	273.9	75	12.57	33.48	6.00	25.32	266.1	.237	
90	12.02	33.514	5.40	C.89	7	0.05	253.6	100	11.39	33.53	5.05	25.58	241.3	.301	
107	10.84	33.545	4.81	1.25	13	0.03	230.8	125	10.15	33.58	4.50	25.84	216.8	.359	
125	10.15	33.582	4.50	1.41	17	0.02	216.7	150	9.38	33.79	3.79	26.13	189.1	.410	
142	9.59	33.716	4.03	1.67	22	0.01	197.9	200	8.61	33.97	3.19	26.39	164.2	.500	
169	9.07	33.870	3.49	-	-	-	178.5	250	7.92	34.06	2.39	26.57	147.6	.580	
199	8.62	33.666	3.20	-	-	-	164.6	300	7.23	34.08	1.85	26.68	136.7	.654	
226	8.34	34.027	2.51	-	-	-	156.0	400	6.43	34.14	1.09	26.84	121.9	.788	
270	7.56	34.066	2.23	-	-	-	142.1	500	5.80	34.22	.66	26.98	108.3	.909	
320	7.05	34.086	1.64	-	-	-	133.8								
397	6.45	34.137	1.11	-	-	-	122.4								
475	5.92	34.202	.71	-	-	-	111.0								
555	5.52	34.251	.56	-	-	-	102.7								
90.100								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 10 1964, 1619 GCT, 31 06N 122 40W, SOUNDING 2145 FM, WIND 340 FORCE 5, WEATHER OVERCAST, SEA VERY RCLGH, WIRE ANGLE 19.								90.100							
1	16.78	33.44	5.99	C.38	2	0.01	354.8	0	16.78	33.44	5.99	24.39	354.8	0	
10	16.77	33.44	6.25	C.41	2	0.00	354.5	10	16.77	33.44	6.25	24.39	354.5	.035	
34	16.79	33.44	6.18	C.36	2	0.00	355.0	20	16.78	33.44	6.22	24.39	354.8	.071	
44	14.53	33.39	6.23	C.35	3	0.01	310.7	30	16.79	33.44	6.19	24.39	355.0	.107	
58	13.94	33.43	6.54	C.36	3	0.02	296.0	50	14.10	33.41	6.46	24.96	300.6	.172	
72	13.02	33.55	6.36	C.67	5	0.34	269.4	75	13.02	33.57	6.33	25.30	267.9	.244	
97	11.72	33.554	5.59	1.02	9	0.02	242.4	100	11.55	33.60	5.47	25.61	239.0	.308	
116	10.59	33.645	4.81	1.34	15	0.02	219.3	125	10.16	33.68	4.67	25.92	209.6	.364	
135	9.78	33.734	4.55	1.44	20	0.02	199.5	150	9.48	33.81	4.36	26.13	189.2	.415	
163	9.24	33.870	4.13	1.64	25	0.01	181.0	200	8.62	33.93	3.74	26.36	167.3	.506	
191	8.79	33.912	3.81	-	-	-	171.1	250	7.77	33.99	3.27	26.54	150.7	.587	
229	8.05	33.986	3.47	-	-	-	154.9	300	7.02	34.04	2.45	26.68	136.9	.661	
258	7.66	33.956	3.20	-	-	-	148.7	400	6.52	34.18	1.11	26.86	120.0	.795	
305	6.98	34.050	2.32	-	-	-	135.6	500	5.79	34.25	.65	27.01	105.9	.914	
367	6.72	34.144	1.36	-	-	-	125.2	600	5.23	34.30	.60	27.12	95.7	1.021	
462	6.06	34.234	.80	-	-	-	110.3								
548	5.48	34.269	.56	-	-	-	100.9								
622	5.14	34.331	.64	-	-	-	92.4								
90.120								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 10 1964, 0545 GCT, 30 25.5N 123 57.5W, SOUNDING 2250 FM, WIND 010 FORCE 6, WEATHER MISSING SEA RCLGH, WIRE ANGLE 30.								90.120							
0	16.71	33.37	5.93	C.27	3	0.01	358.3	0	16.71	33.37	5.93	24.35	358.3	0	
9	16.72	33.37	6.17	C.32	2	0.00	358.5	10	16.72	33.37	6.16	24.35	358.5	.036	
31	16.71	33.37	6.08	C.33	3	0.01	358.3	20	16.71	33.37	6.13	24.35	358.3	.072	
58	14.22	33.33	6.02	C.40	3	0.06	308.8	30	16.71	33.37	6.09	24.35	358.3	.108	
67	13.65	33.34	6.19	C.46	4	0.09	296.9	50	14.80	33.33	6.03	24.75	320.5	.176	
83	13.00	33.43	6.21	C.70	4	0.24	277.8	75	13.10	33.40	6.21	25.15	281.9	.251	
96	12.33	33.43	5.73	C.82	7	0.26	265.4	100	12.10	33.45	5.51	25.39	259.8	.320	
109	11.60	33.50	5.20	C.98	10	0.02	247.2	125	11.00	33.53	5.00	25.65	234.6	.382	
134	10.66	33.55	4.89	1.17	14	0.02	227.4	150	9.78	33.64	4.34	25.95	206.5	.438	
151	9.76	33.65	4.33	1.49	20	0.01	205.4	200	8.92	33.87	3.84	26.27	176.2	.535	
176	9.20	33.75	4.49	-	-	-	189.3	250	8.18	33.97	2.63	26.46	157.9	.621	
205	8.83	33.89	3.70	-	-	-	173.4	300	7.59	34.00	2.18	26.57	147.5	.700	
231	8.41	33.95	2.83	-	-	-	162.7	400	6.39	34.06	1.35	26.78	127.4	.842	
274	7.90	33.99	2.43	-	-	-	152.5	500	5.65	34.16	.60	26.95	111.0	.967	
331	7.21	34.02	1.90	-	-	-	140.9								
420	6.20	34.08	1.18	-	-	-	123.5								
504	5.62	34.16	.59	-	-	-	110.6								
577	5.22	34.22	.55	-	-	-	101.6								

OBSERVED LEVELS OF DEPTH							STANDARD LEVELS OF DEPTH								
INPUT							COMPUTED								
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
90.140							CCCCI CRUISE 6407							90.140	
ALEXANDER AGASSIZ, JULY 9 1964, 2029 GCT, 29 46N 125 22.5W, SOUNDING 2340 FM, WIND 350 FORCE 6, WEATHER CLOUDY, SEA VERY RCLGH, WIRE ANGLE 35.															
1	17.98	33.794	5.71	C.30	3	0.01	356.3	0	17.98	33.79	5.71	24.37	356.5	0	
10	17.96	33.794	5.96	C.28	3	0.01	355.8	10	17.96	33.79	5.96	24.38	356.1	.036	
26	18.12	33.883	5.85	0.27	2	0.01	353.0	20	18.03	33.85	5.89	24.40	353.3	.071	
50	16.48	33.683	5.74	0.27	2	0.01	330.4	30	18.19	33.91	5.84	24.41	352.7	.107	
58	16.44	33.714	6.08	0.27	2	0.01	327.3	50	16.48	33.68	5.74	24.64	330.6	.175	
70	16.08	33.714	6.19	0.27	3	0.01	319.4	75	16.10	33.72	6.19	24.76	319.4	.257	
82	15.82	33.689	6.04	0.25	3	0.00	315.6	100	15.60	33.73	6.07	24.88	308.0	.336	
93	15.62	33.706	6.09	0.25	2	0.00	310.1	125	15.41	33.85	5.83	25.02	295.2	.412	
111	15.54	33.784	5.99	C.24	2	0.00	302.7	150	12.25	33.54	5.23	25.43	255.9	.482	
126	15.40	33.856	5.82	C.33	3	0.10	294.5	200	9.60	33.71	4.41	26.03	198.5	.597	
149	12.34	33.538	5.25	-	-	-	257.6	250	8.70	33.92	4.24	26.34	169.2	.691	
170	10.80	33.580	4.95	-	-	-	227.6	300	7.97	33.97	3.36	26.49	155.0	.775	
194	9.77	33.676	4.42	-	-	-	203.7	400	6.96	34.11	1.47	26.74	130.9	.923	
233	8.97	33.885	4.38	-	-	-	175.8	500	5.88	34.15	.93	26.92	114.4	1.052	
276	8.31	33.948	3.80	-	-	-	161.4								
346	7.36	34.021	2.47	-	-	-	142.8								
417	6.82	34.123	1.29	-	-	-	128.1								
490	5.99	34.148	.94	-	-	-	115.9								

90.160					CCCCI CRUISE 6407										90.160				
ALEXANDER AGASSIZ, JULY 4 1964, 1132 CCT, 29 04.5N 126 39.5W, SOUNDING 2325 FM, WIND 360 FORCE 5, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 15.																			
1	18.42	33.904	5.69	C.29	3	0.01	356.6	0	18.42	33.90	5.69	24.35	358.9	0					
10	18.42	33.897	5.89	C.31	2	0.00	359.1	10	18.42	33.90	5.89	24.35	358.9	.036					
35	18.36	33.882	5.82	0.30	2	0.02	358.8	20	18.42	33.90	5.89	24.35	358.9	.072					
45	16.18	33.580	5.79	0.35	2	0.01	331.4	30	18.38	33.89	5.84	24.35	358.7	.108					
59	15.67	33.555	6.18	C.30	2	0.00	322.2	50	16.00	33.57	5.87	24.67	328.2	.177					
74	15.48	33.565	6.27	C.29	2	0.00	317.5	75	15.46	33.57	6.27	24.79	316.7	.258					
98	15.27	33.605	6.04	C.29	2	0.00	310.1	100	15.24	33.61	6.03	24.87	309.2	.337					
117	14.98	33.708	5.87	C.33	3	0.12	296.6	125	14.65	33.74	5.74	25.10	287.5	.412					
136	14.03	33.754	5.57	C.49	4	0.16	274.0	150	13.03	33.74	5.35	25.43	255.6	.481					
165	11.86	33.721	5.17	C.27	-	0.01	235.5	200	9.76	33.77	4.38	26.05	196.5	.596					
192	10.06	33.732	4.59	-	-	-	204.2	250	8.68	33.98	3.61	26.39	164.5	.688					
229	9.06	33.934	3.71	-	-	-	173.6	300	7.54	34.01	3.16	26.58	146.0	.768					
257	8.55	33.988	3.60	-	-	-	162.0	400	6.62	34.13	1.50	26.81	125.0	.909					
305	7.46	34.020	3.02	-	-	-	144.2	500	5.75	34.21	.73	26.98	108.4	1.032					
366	6.98	34.104	1.78	-	-	-	131.6	600	5.43	34.31	.5	27.10	97.2	1.141					
461	5.88	34.151	1.06	-	-	-	114.4												
547	5.72	34.281	.44	-	-	-	102.8												
620	5.26	34.320	.5	-	-	-	94.6												

90.180				CCCCI CRUISE 6407										90.180			
ALEXANDER AGASSIZ, JULY 9 1964, 0158 GCT, 28 26N 128 00W, SOUNDING 2455 FM, WIND 010 FORCE 4, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 16.																	
C	18.94	34.186	5.59	C.26	2	C.01	350.5	0	18.94	34.19	5.59	24.44	350.2	0			
9	18.92	34.184	5.84	C.23	2	C.01	350.2	10	18.92	34.17	5.84	24.44	349.7	.035			
27	18.78	34.204	5.76	0.24	1	0.01	345.4	20	18.86	34.17	5.82	24.46	348.3	.070			
36	18.30	34.215	5.52	0.26	2	0.01	333.1	30	18.70	34.21	5.70	24.51	343.0	.105			
50	18.30	34.429	5.71	C.21	2	0.00	317.6	50	18.30	34.43	5.71	24.78	317.5	.171			
63	18.24	34.483	5.97	0.22	2	0.00	312.2	75	17.80	34.42	5.83	24.90	306.5	.249			
85	17.67	34.401	5.79	C.21	2	0.00	304.9	100	17.64	34.44	5.81	24.95	301.4	.326			
103	17.64	34.442	5.81	0.19	2	0.00	301.2	125	17.43	34.46	5.76	25.02	295.1	.402			
122	17.44	34.447	5.76	0.22	2	0.00	296.3	150	17.26	34.50	5.71	25.09	288.3	.476			
139	17.39	34.510	5.75	C.20	2	0.01	290.5	200	12.80	33.88	5.17	25.59	241.0	.610			
165	16.77	34.425	5.59	-	-	0.19	282.7	250	9.73	33.85	4.42	26.12	190.2	.721			
196	13.58	33.958	5.22	-	-	0.01	250.2	300	8.71	34.00	3.47	26.40	163.4	.812			
222	10.68	33.765	5.00	-	-	-	211.9	400	6.87	34.05	2.36	26.71	134.2	.966			
265	9.39	33.913	4.08	-	-	-	180.2	500	5.80	34.10	1.28	26.89	117.2	1.098			
314	8.45	34.019	3.27	-	-	-	158.2										
391	7.00	34.044	2.45	-	-	-	136.3										
471	6.06	34.072	1.56	-	-	-	122.4										
554	5.34	34.162	.94	-	-	-	107.3										

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPLT								COMPUTED				INPUT				COMPUTED			
Z	T	S	OXY	PFO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD					
90.199								CCCCI CRUISE 6407								90.199			
ALEXANDER AGASSIZ, JULY 8 1964, 1703 GCT, 28 CON 129 20W, SOUNDING 2362 FM, WIND 050 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 12.																			
C	19.20	34.395	5.69	0.22	2	0.00	341.6	0	19.20	34.40	5.69	24.53	341.3	0					
1C	19.16	34.395	5.84	0.25	2	0.00	340.7	10	19.16	34.40	5.84	24.54	340.3	.034					
29	19.18	34.398	5.74	0.20	2	0.00	340.9	20	19.17	34.40	5.80	24.54	340.5	.068					
39	19.12	34.441	5.36	0.22	2	0.00	336.3	30	19.18	34.40	5.73	24.54	340.8	.102					
53	18.06	34.418	5.90	0.21	2	0.00	312.7	50	18.40	34.43	5.77	24.76	319.9	.169					
68	17.85	34.440	5.92	0.17	2	0.00	306.2	75	17.78	34.45	5.89	24.92	303.9	.247					
92	17.66	34.475	5.81	0.16	2	0.00	299.3	100	17.60	34.51	5.74	25.01	295.4	.323					
112	17.53	34.552	5.68	0.17	2	0.03	290.7	125	17.28	34.52	5.64	25.10	287.3	.397					
131	16.82	34.447	5.61	0.22	3	0.17	282.2	150	15.54	34.27	5.57	25.31	267.2	.467					
150	15.54	34.267	5.57	0.33	4	0.08	267.5	200	11.05	33.83	5.20	25.88	213.3	.589					
178	12.82	33.920	5.40	-	-	0.01	238.4	250	9.45	33.92	4.95	26.22	180.6	.690					
212	10.36	33.818	5.12	-	-	0.00	202.7	300	8.51	34.00	4.12	26.43	160.5	.778					
240	9.63	33.898	5.03	-	-	-	185.0	400	6.62	34.03	1.82	26.73	132.5	.930					
288	8.76	33.988	4.35	-	-	-	165.0	500	5.67	34.12	-	26.92	114.2	1.059					
342	7.66	34.012	3.34	-	-	-	147.5	600	5.07	34.23	-	27.08	99.2	1.172					
424	6.30	34.043	1.34	-	-	-	127.5												
508	5.64	34.127	2.03U	-	-	-	113.3												
594	5.11	34.220	.73	-	-	-	100.4												

95.30 CCCCCI CRUISE 6407 95.30

ALEXANDER AGASSIZ, JUNE 15 1964, C305 GCT, 32 37N 117 22W, SOUNDING 125 FM, WIND 160 FORCE 2, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE C2. A)

0	16.62	33.818	6.40	C.38	4	0.04	323.6
5	16.59	33.818	6.54	C.38	4	0.00	323.0
10	16.50	33.812	6.40	C.42	4	0.00	321.4
15	16.08	33.806	6.51	C.41	4	0.00	312.7
20	13.00	33.783	6.33	C.74	11	0.07	251.9
25	11.58	33.761	4.71	1.28	20	0.23	227.6
30	11.05	33.754	4.15	1.54	16	0.26	218.9
35	10.76	33.790	3.71	1.71	18	0.18	211.4
40	10.48	33.816	3.46	1.80	20	0.13	204.8
45	10.28	33.885	2.96	1.88	22	0.04	196.4
50	10.02	33.928	2.94	2.03	-	-	189.0
55	9.81	33.957	2.97	2.21	-	-	183.5
60	9.70	33.982	2.52	2.21	-	-	179.9
65	9.62	33.991	2.65	2.11	-	-	178.0
70	9.53	33.959	2.91	2.18	-	-	176.0
75	9.46	34.000	2.73	2.19	-	-	174.8
80	9.33	34.016	2.80	2.22	-	-	171.6
85	9.33	34.028	2.78	2.27	-	-	170.7

100.30 CCCCCI CRUISE 6407 100.30

ALEXANDER AGASSIZ, JULY 14 1964, 0609 GCT, 31 40.5N 116 46.5W, SOUNDING 213 FM, WIND CALM, WEATHER FOG, SEA SMCCT, WIRE ANGLE C3.

C	13.37	33.839	7.53	C.62	17	0.17	254.8	0	13.37	33.84	7.53	25.44	254.8	0
1C	12.25	33.854	6.00	0.81	33	0.19	232.8	10	12.25	33.85	6.00	25.67	233.0	.024
30	10.58	33.841	3.74	0.87	51	0.25	204.6	20	10.84	33.84	4.15	25.92	209.0	.047
45	10.19	33.883	2.87	1.11	57	0.29	195.1	30	10.58	33.84	3.74	25.97	204.7	.067
60	10.02	33.901	3.36	1.09	55	0.25	191.0	50	10.12	33.89	3.00	26.09	193.4	.107
75	9.85	33.904	2.91	1.11	58	0.17	188.1	75	9.85	33.90	2.91	26.14	188.4	.155
90	9.81	33.918	2.66	1.15	61	0.17	186.4	100	9.71	33.93	2.60	26.19	183.9	.202
110	9.63	33.934	2.54	1.16	59	0.07	182.4	125	9.60	33.94	2.46	26.21	181.4	.249
136	9.58	33.950	2.42	1.22	59	0.06	180.4	150	9.47	33.96	2.47	26.25	177.9	.294
165	9.34	33.988	2.58	1.17	59	0.03	173.8	200	9.05	34.11	2.20	26.43	160.4	.380
200	9.05	34.112	2.20	-	-	-	160.2	250	8.77	34.22	1.54	26.56	148.0	.460
235	8.86	34.189	1.65	-	-	-	151.6	300	8.41	34.27	1.25	26.66	139.0	.534
275	8.60	34.251	1.40	-	-	-	143.2							
320	8.22	34.288	1.11	-	-	-	134.9							
360	7.78	34.307	.86	-	-	-	127.2							

A) SHAKECOWN STATION.

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT				COMPUTED				INPUT				COMPUTED			
Z	T	S	CRY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
100.35								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 14 1964, C953 GCT, 31 31N 117 07W, SOUNDING 600 FM, WIND 070 FORCE 2, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 08.								100.35							
C	16.17	33.771	7.76	0.33	2	0.00	317.2	0	16.17	33.77	7.76	24.78	317.3	0	
1C	15.80	33.771	8.64	0.36	3	0.01	309.2	10	15.80	33.77	8.64	24.87	309.3	.031	
3C	11.66	33.793	5.15	1.55	20	0.16	226.7	20	13.00	33.78	6.60	25.47	252.1	.059	
4C	10.88	33.805	3.67	1.87	21	0.22	212.3	30	11.66	33.79	5.15	25.73	226.9	.083	
51	10.40	33.809	3.33	1.91	22	0.08	204.0	50	10.44	33.81	3.34	25.97	204.6	.127	
65	10.19	33.805	3.32	1.93	23	0.08	200.9	75	9.91	33.81	3.37	26.06	196.0	.177	
80	9.73	33.823	3.41	1.96	25	0.07	192.2	100	9.41	33.94	2.78	26.24	178.5	.224	
101	9.40	33.952	2.72	2.17	29	0.02	177.4	125	9.08	34.01	2.63	26.35	168.2	.268	
125	9.08	34.008	2.63	2.22	31	0.01	168.4	150	8.66	34.06	2.53	26.46	158.2	.310	
145	8.76	34.059	2.51	2.37	34	0.02	159.8	200	7.72	34.07	2.35	26.61	144.0	.387	
175	8.16	34.048	2.74	-	-	-	151.9	250	8.22	34.29	-	26.70	134.7	.458	
205	7.68	34.075	2.30	-	-	-	143.1	300	7.81	34.32	.80	26.79	126.7	.526	
235	8.26	-	-	-	-	-	-	400	6.88	34.34	.53	26.94	112.7	.651	
274	8.04	34.305	.96	-	-	-	131.0	500	6.42	34.35	.51	27.01	106.1	.767	
333	7.50	34.331	.69	-	-	-	121.6								
408	6.81	34.336	.52	-	-	-	112.1								
484	6.48	34.347	.50	-	-	-	107.0								
564	6.14	34.356	.51	-	-	-	102.2								
100.40								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 14 1964, 1244 GCT 31 21N 117 27W, SOUNDING 1060 FM, WIND 340 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 20.								100.40							
1	17.08	33.840	5.83	0.32	1	0.00	332.3	0	17.08	33.84	5.83	24.63	332.3	0	
1C	17.08	33.839	6.11	0.32	1	0.00	332.4	10	17.08	33.84	6.11	24.63	332.3	.033	
29	15.33	33.812	6.46	0.43	1	0.01	296.3	20	16.20	33.83	6.34	24.82	313.6	.066	
38	12.34	33.714	5.32	1.16	6	0.62	244.7	30	15.33	33.81	6.46	25.00	296.4	.096	
45	11.67	33.683	5.24	1.33	8	0.59	234.9	50	11.58	33.68	5.18	25.66	233.6	.149	
62	10.98	33.674	4.64	1.45	13	0.13	223.7	75	10.67	33.70	4.32	25.84	216.5	.206	
76	10.64	33.700	4.30	1.57	17	0.04	216.0	100	9.49	33.81	3.43	26.13	189.4	.257	
94	9.67	33.784	3.52	1.82	22	0.02	194.1	125	9.12	33.91	3.07	26.27	176.2	.303	
117	9.21	33.868	3.26	1.95	26	0.02	180.7	150	8.95	34.02	2.53	26.38	165.5	.347	
135	9.02	33.968	2.82	2.14	31	0.01	170.4	200	8.40	34.15	1.86	26.57	147.7	.427	
162	8.88	34.044	2.36	-	-	-	162.7	250	7.99	34.22	1.27	26.68	136.7	.500	
185	8.48	34.128	2.02	-	-	-	150.5	300	7.15	34.20	1.11	26.79	126.7	.568	
216	8.30	34.175	1.66	-	-	-	144.4	400	6.53	34.31	.6	26.96	110.4	.692	
252	7.96	34.225	1.25	-	-	-	135.9	500	6.04	34.36	.47	27.06	100.6	.803	
307	7.07	34.202	1.09	-	-	-	125.4								
376	6.62	34.283	.61	-	-	-	113.6								
445	6.36	34.349	.5	-	-	-	105.4								
521	5.92	34.367	.43	-	-	-	98.7								
100.50								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 14 1964, 1816 GCT, 30 57.5N 118 07W, SOUNDING 920 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA RCLG, WIRE ANGLE 24.								100.50							
1	15.85	33.761	6.04	0.50	1	0.10	311.0	0	15.85	33.76	6.04	24.85	311.1	0	
1C	15.68	33.748	6.34	0.53	3	0.09	308.3	10	15.68	33.75	6.34	24.88	308.2	.031	
28	12.72	33.572	6.00	0.87	7	0.20	262.2	20	14.33	33.67	6.26	25.11	286.1	.061	
37	12.41	33.538	5.42	0.95	8	0.23	258.9	30	12.65	33.56	5.96	25.37	261.7	.088	
51	11.77	33.533	5.51	1.14	10	0.27	247.8	50	11.78	33.53	5.51	25.51	248.2	.139	
65	11.29	33.579	4.86	1.28	11	0.16	236.0	75	10.72	33.67	4.35	25.81	219.6	.198	
87	10.29	33.731	4.15	1.68	20	0.03	208.0	100	10.00	33.84	3.93	26.07	195.2	.250	
106	9.99	33.859	3.88	1.95	24	0.02	193.6	125	9.45	33.89	3.05	26.20	182.8	.298	
124	9.48	33.888	3.05	2.07	29	0.02	183.4	150	8.90	34.00	2.87	26.37	166.2	.343	
143	8.89	33.953	3.03	2.14	32	0.01	169.6	200	8.51	34.15	1.88	26.55	149.3	.423	
165	8.92	34.116	2.20	-	-	-	157.9	250	8.00	34.19	1.49	26.66	139.0	.497	
201	8.50	34.153	1.87	-	-	-	149.0	300	7.46	34.23	1.13	26.77	128.6	.566	
228	8.34	34.177	1.71	-	-	-	144.9	400	6.68	34.28	.68	26.92	114.6	.693	
274	7.68	34.209	1.31	-	-	-	133.1	500	5.98	34.30	.56	27.02	104.4	.809	
324	7.28	34.244	.98	-	-	-	125.1								
404	6.66	34.282	.67	-	-	-	114.2								
485	6.08	34.286	.58	-	-	-	106.7								
568	5.64	34.358	.45	-	-	-	96.1								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPLT							COMPUTED		INPUT				COMPUTED		
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	CXY	SIG*T	D*T	DD	
100.60							CCCFI CRUISE 6407							100.60	
ALEXANDER AGASSIZ, JULY 14 1964, 2344 GCT, 30 41N 118 47W, SOUNDING 1660 FM, WIND 060 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 30.															
1	16.97	33.599	5.84	0.41	1	0.00	347.4	0	16.97	33.60	5.84	24.47	347.3	0	
9	16.96	33.600	6.10	0.42	2	0.00	347.1	10	16.95	33.60	6.10	24.47	346.9	.035	
26	16.86	33.598	6.02	0.43	2	0.00	345.0	20	16.91	33.60	6.08	24.48	346.0	.069	
36	16.48	33.587	5.68	0.41	2	0.00	337.4	30	16.78	33.60	5.94	24.51	343.1	.104	
48	15.48	33.526	6.35	0.35	2	0.00	320.3	50	15.17	33.51	6.41	24.81	315.0	.170	
61	-	33.496	6.46	0.47	3	0.01	-	75	13.11	33.50	5.97	25.23	274.8	.244	
81	12.83	33.498	5.85	0.74	6	0.19	269.6	100	11.83	33.54	5.31	25.51	248.3	.310	
98	11.91	33.527	5.34	1.02	9	0.08	250.7	125	10.55	33.68	4.23	25.85	216.0	.369	
113	10.50	33.596	4.68	1.31	13	0.02	221.4	150	9.77	33.88	3.27	26.14	188.6	.420	
129	10.41	33.707	4.04	1.65	19	0.01	211.7	200	9.04	34.07	2.42	26.40	163.2	.510	
151	9.74	33.881	3.26	-	-	-	188.0	250	8.45	34.13	2.06	26.54	149.9	.590	
178	9.14	33.970	3.12	-	-	-	172.1	300	7.20	34.09	1.99	26.70	135.5	.664	
202	9.03	34.076	2.39	-	-	-	162.6	400	6.33	34.20	.88	26.90	116.2	.795	
243	8.60	34.133	2.05	-	-	-	151.9	500	5.91	34.30	.57	27.03	103.6	.910	
287	7.43	34.084	2.12	-	-	-	139.0								
360	6.59	34.156	1.20	-	-	-	122.7								
433	6.18	34.235	.74	-	-	-	111.7								
513	5.84	34.316	.54	-	-	-	101.5								

100.70 CCCFI CRUISE 6407 100.70

ALEXANDER ACASSIZ, JULY 15 1964, 0503 GCT, 30 19N 119 28W, SOUNDING 2100 FM, WIND 060 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 26.

1	16.97	33.604	5.54	0.36	2	0.00	347.0	0	16.97	33.60	5.54	24.47	347.3	0	
10	16.97	33.614	5.86	0.38	2	0.00	346.3	10	16.97	33.61	5.86	24.48	346.6	.035	
32	16.40	33.579	5.86	0.40	1	0.00	336.2	20	16.97	33.61	5.86	24.48	346.6	.069	
42	16.16	33.568	5.50	0.40	2	0.00	331.8	30	16.43	33.58	5.86	24.58	336.8	.104	
54	15.18	33.531	6.12	0.40	2	0.00	313.7	50	15.64	33.55	5.81	24.73	322.0	.170	
69	-	33.489	6.14	0.45	2	0.00	-	75	13.11	33.51	5.75	25.24	274.0	.245	
82	12.76	33.523	5.40	0.80	6	0.30	266.5	100	12.00	33.55	4.89	25.48	250.6	.311	
109	11.75	33.580	4.71	1.15	10	0.06	243.9	125	10.88	33.69	3.97	25.80	220.8	.370	
126	10.84	33.696	3.94	1.57	17	0.01	219.7	150	10.13	33.87	3.04	26.07	195.1	.423	
154	10.06	33.891	2.99	1.96	25	0.01	192.4	200	9.74	34.06	2.42	26.28	174.8	.517	
181	9.94	34.000	2.77	-	-	-	182.4	250	9.13	34.12	2.05	26.43	160.8	.603	
217	9.54	34.095	2.19	-	-	-	169.0	300	8.34	34.20	1.50	26.62	143.1	.682	
245	9.20	34.117	2.11	-	-	-	162.1	400	7.16	34.25	.86	26.83	123.1	.821	
289	8.49	34.189	1.60	-	-	-	146.1	500	6.33	34.31	.53	26.99	107.9	.943	
349	7.78	34.244	1.15	-	-	-	131.9	600	5.61	34.36	.45	27.12	95.6	1.052	
441	6.76	34.264	.68	-	-	-	116.8								
528	6.16	34.334	.50	-	-	-	104.1								
602	5.59	34.364	.45	-	-	-	95.0								

100.80 CCCFI CRUISE 6407 100.80

ALEXANDER AGASSIZ, JULY 15 1964, 0946 GCT, 29 56N 120 09W, SOUNDING 2020 FM, WIND 350 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 25.

1	17.11	33.616	5.51	0.36	2	0.00	349.3	0	17.11	33.62	5.51	24.45	349.0	0	
9	17.11	33.612	5.85	0.36	3	0.01	349.6	10	17.11	33.61	5.85	24.44	349.7	.035	
32	16.44	33.567	5.84	0.36	2	0.00	338.0	20	17.11	33.61	5.85	24.44	349.7	.070	
41	16.24	33.558	5.50	0.38	2	0.01	334.3	30	16.48	33.57	5.84	24.56	338.6	.104	
54	14.76	33.395	6.21	0.38	3	0.00	315.0	50	15.27	33.45	6.02	24.74	321.5	.171	
68	13.94	33.418	6.13	0.45	3	0.06	296.8	75	13.64	33.44	6.06	25.08	289.3	.247	
90	13.06	33.474	5.74	0.66	5	0.23	275.7	100	12.63	33.49	5.49	25.32	266.5	.318	
108	12.22	33.501	5.30	0.89	7	0.16	258.2	125	11.26	33.56	4.86	25.63	236.9	.381	
125	11.26	33.565	4.86	1.20	10	0.03	236.5	150	9.74	33.68	4.13	25.99	202.9	.437	
150	9.74	33.677	4.13	1.62	19	0.02	203.1	200	8.67	33.93	3.85	26.35	168.0	.531	
175	9.05	33.854	3.86	-	-	-	179.3	250	8.01	34.03	-	26.53	151.1	.613	
209	8.54	33.957	3.85	-	-	-	164.1	300	7.56	34.10	1.98	26.65	139.6	.688	
235	8.18	-	-	-	-	-	-	400	6.57	34.19	.97	26.86	119.9	.823	
277	7.74	34.066	2.37	-	-	-	144.6	500	5.82	34.25	.58	27.00	106.2	.942	
334	7.28	34.136	1.59	-	-	-	133.2	600	5.28	34.32	-	27.13	94.8	1.049	
424	6.32	34.202	.81	-	-	-	115.9								
509	5.78	34.256	.57	-	-	-	105.3								
583	5.39	34.309	.48	-	-	-	96.8								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH									
INPUT								COMPUTED									
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
100.90								CCCCI CRUISE 6407								100.90	
ALEXANDER AGASSIZ, JULY 15 1964, 1448 GCT, 29 33N 120 49W, SOUNDING 2070 FM, WIND 360 FORCE 4, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 15.																	
C	17.50	33.616	5.62	C.31	3	0.01	358.1	0	17.50	33.62	5.62	24.36	357.9	0			
10	17.49	33.614	5.92	C.31	2	0.00	358.1	10	17.49	33.61	5.92	24.35	358.4	.036			
34	17.39	33.594	5.60	C.28	2	0.00	357.2	20	17.48	33.61	5.80	24.35	358.1	.072			
64	15.66	33.483	5.77	C.31	3	0.00	327.3	30	17.44	33.60	5.65	24.36	357.9	.108			
73	15.60	33.563	6.17	C.31	3	0.00	320.2	50	17.00	33.56	5.61	24.43	350.9	.179			
91	15.34	33.649	6.02	C.31	3	0.00	308.4	75	15.68	33.59	6.17	24.76	319.9	.263			
106	14.77	33.606	5.96	C.36	3	0.03	299.7	100	15.10	33.66	5.96	24.94	302.6	.341			
119	14.30	33.633	5.88	C.44	4	0.20	288.2	125	14.10	33.63	5.84	25.13	284.5	.416			
146	12.07	33.629	5.30	C.91	10	0.04	246.1	150	11.78	33.63	5.11	25.59	240.8	.482			
164	11.10	33.628	4.75	1.17	14	0.01	229.1	200	9.72	33.77	4.22	26.06	195.9	.593			
192	9.90	33.718	4.37	-	-	-	202.6	250	8.56	33.99	3.37	26.42	161.9	.685			
223	9.25	33.910	3.81	-	-	-	178.2	300	7.90	34.06	2.57	26.57	147.3	.764			
250	8.56	33.990	3.37	-	-	-	161.9	400	6.88	34.16	1.32	26.80	126.1	.907			
296	7.95	34.055	2.61	-	-	-	148.4	500	5.99	34.24	.69	26.98	109.0	1.030			
356	7.30	34.105	1.88	-	-	-	135.7	600	5.37	34.31	.53	27.11	96.5	1.140			
454	6.38	34.211	.87	-	-	-	116.0										
540	5.70	34.262	.61	-	-	-	103.9										
615	5.31	34.321	.50	-	-	-	95.0										
110.35								CCCCI CRUISE 6407								110.35	
ALEXANDER AGASSIZ, JULY 17 1964, C749 GCT, 29 46N 116 00W, SOUNDING 625 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA WCCERATE, WIRE ANGLE 25.																	
C	16.00	33.752	7.02	C.26	3	0.00	314.9	0	16.00	33.75	7.02	24.81	315.1	0			
9	15.16	33.763	8.07	0.30	5	0.01	296.3	10	15.05	33.76	8.06	25.03	294.2	.030			
27	12.66	33.632	5.66	0.99	10	0.21	256.6	20	13.80	33.71	6.50	25.25	272.7	.059			
36	12.08	33.560	4.66	1.05	9	0.16	251.3	30	12.45	33.61	4.94	25.44	254.4	.085			
50	11.28	33.570	4.60	1.23	12	0.08	236.5	50	11.28	33.57	4.60	25.63	236.5	.135			
63	10.86	33.687	3.99	1.52	16	0.04	220.7	75	10.44	33.74	3.90	25.91	209.7	.191			
85	9.98	33.785	3.82	1.62	20	0.02	198.9	100	9.76	33.91	3.01	26.16	186.2	.241			
101	9.75	33.916	3.00	2.03	26	0.10	185.6	125	9.57	34.04	2.49	26.29	173.6	.286			
119	9.56	33.997	2.72	2.08	28	0.05	176.6	150	9.33	34.07	2.63	26.36	167.6	.329			
136	9.64	34.093	2.26	2.26	31	0.04	170.7	200	9.25	34.28	1.35	26.53	150.8	.411			
161	9.06	34.048	2.83	-	-	-	165.1	250	8.82	34.28	1.27	26.60	144.3	.487			
191	5.30	34.247	1.56	-	-	-	154.0	300	8.57	34.33	.93	26.68	136.9	.560			
218	9.08	34.302	1.23	-	-	-	146.6	400	7.02	34.24	.84	26.84	122.0	.695			
261	8.74	34.276	1.28	-	-	-	143.4	500	6.49	34.34	.45	26.99	107.7	.816			
311	8.49	34.336	.87	-	-	-	135.2										
391	7.09	34.238	.87	-	-	-	123.0										
474	6.69	34.326	.50	-	-	-	111.3										
558	5.92	34.363	.42	-	-	-	99.0										
110.40								CCCCI CRUISE 6407								110.40	
ALEXANDER AGASSIZ, JULY 17 1964, C450 GCT, 29 36N 116 20W, SOUNDING 1356 FM, WIND 060 FORCE 4, WEATHER OVERCAST, SEA WCCERATE, WIRE ANGLE 30.																	
C	17.60	33.702	5.79	C.35	3	0.00	354.2	0	17.60	33.70	5.79	24.39	354.3	0			
5	17.62	33.710	5.96	C.38	3	0.00	354.1	10	17.62	33.71	5.96	24.40	354.1	.035			
26	16.42	33.741	6.21	0.39	3	0.00	324.9	20	16.60	33.74	6.20	24.66	328.9	.070			
35	15.90	33.718	5.78	0.43	2	0.01	315.2	30	16.33	33.74	6.15	24.72	323.0	.102			
47	14.65	33.614	-	C.58	3	0.06	296.7	50	14.33	33.61	-	25.06	290.5	.164			
60	13.55	33.603	6.10	C.70	4	0.15	275.6	75	12.31	33.60	5.05	25.46	252.5	.232			
80	11.93	33.603	4.76	1.16	10	0.06	245.5	100	10.68	33.62	4.37	25.78	222.6	.292			
96	10.94	33.607	4.44	1.39	13	0.03	227.9	125	9.71	33.79	4.06	26.08	194.3	.345			
112	9.99	33.693	4.17	1.58	17	0.01	205.9	150	9.18	33.89	3.48	26.24	178.6	.392			
129	9.64	33.809	4.02	1.63	20	0.01	191.8	200	8.80	34.11	2.18	26.47	156.6	.477			
153	9.16	33.907	3.37	-	-	-	177.1	250	7.67	34.09	2.25	26.63	141.9	.554			
182	9.08	34.087	2.22	-	-	-	162.5	300	7.49	34.19	1.35	26.73	132.0	.625			
206	8.65	34.115	2.18	-	-	-	154.0	400	6.78	34.28	.66	26.90	115.9	.754			
247	7.68	34.082	2.32	-	-	-	142.6	500	6.31	34.35	.46	27.02	104.7	.871			
293	7.53	34.175	1.49	-	-	-	133.6										
366	6.99	34.248	.80	-	-	-	121.0										
441	6.56	34.314	.56	-	-	-	110.5										
520	6.22	34.367	.42	-	-	-	102.3										

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT								COMPUTED							
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	CXY	SIG*T	D*T	DD	
110.50								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 16 1964, 2320 GCT, 29 16N 116 59.5W, SOUNDING 1660 FM, WIND 080 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 13.								110.50							
C	17.06	33.587	6.00	0.36	1	0.00	350.3	0	17.06	33.59	6.00	24.44	350.1	0	
10	16.97	33.597	6.33	0.48	1	0.00	347.5	10	16.97	33.60	6.33	24.47	347.3	.035	
28	16.60	33.576	6.32	0.37	1	0.00	340.9	20	16.84	33.59	6.33	24.49	345.2	.070	
39	15.67	33.503	5.86	0.36	2	0.00	326.0	30	16.20	33.54	6.14	24.60	334.7	.104	
53	15.04	33.484	6.28	0.37	2	0.00	314.2	50	15.18	33.49	6.23	24.79	316.7	.169	
68	14.36	33.513	6.12	0.43	2	0.00	298.2	75	14.12	33.51	6.06	25.03	293.6	.246	
92	12.66	33.496	5.50	0.79	5	0.11	266.6	100	12.40	33.53	5.25	25.39	259.3	.315	
113	12.06	33.741	4.33	1.41	14	0.37	237.6	125	11.50	33.75	4.03	25.73	227.0	.377	
132	11.10	33.758	3.81	1.68	17	0.14	219.5	150	10.37	33.94	2.87	26.08	193.8	.430	
151	10.35	33.949	2.84	2.04	24	0.04	192.8	200	10.03	34.25	1.59	26.38	165.3	.522	
180	9.98	34.112	2.19	-	-	-	174.7	250	9.41	34.34	1.15	26.56	148.8	.603	
214	10.08	34.338	1.25	-	-	-	159.6	300	9.07	34.38	.97	26.64	140.6	.678	
244	9.48	34.335	1.17	-	-	-	150.3	400	7.72	34.38	.55	26.85	121.0	.815	
293	9.15	34.378	.99	-	-	-	142.0	500	6.73	34.38	.53	26.99	107.8	.936	
348	8.22	34.345	.85	-	-	-	130.6	600	5.87	34.40	.46	27.12	95.6	1.046	
433	7.42	34.391	.45	-	-	-	116.0								
518	6.55	34.373	.54	-	-	-	106.0								
602	5.86	34.401	.46	-	-	-	95.4								

110.60								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 16 1964, 1753 GCT, 28 56.5N 117 38.5W, SOUNDING 1910 FM, WIND 350 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 20.								110.60							
C	18.10	33.802	5.84	0.28	1	0.01	358.5	0	18.10	33.80	5.84	24.35	358.6	0	
9	18.08	33.819	5.93	0.25	2	0.00	356.8	10	18.08	33.82	5.93	24.37	356.7	.036	
33	14.86	33.736	6.38	0.46	4	0.04	292.1	20	18.00	33.82	5.98	24.39	354.8	.071	
42	13.84	33.701	5.24	0.72	8	0.33	274.1	30	15.40	33.75	6.37	24.94	302.3	.104	
56	12.58	33.712	4.53	1.20	12	0.51	249.3	50	13.07	33.70	4.81	25.39	259.3	.161	
70	11.50	33.765	3.88	2.06U	18	0.36	225.9	75	10.80	33.82	3.41	25.91	209.8	.220	
95	10.38	33.884	3.03	1.85U	24	0.06	198.1	100	10.34	33.92	2.90	26.07	194.8	.271	
113	10.25	34.024	2.53	2.16	27	0.06	185.6	125	10.19	34.06	2.32	26.21	182.0	.318	
131	10.16	34.082	2.23	2.22	30	0.03	179.9	150	9.81	34.15	2.11	26.34	169.2	.363	
158	9.68	34.183	2.04	2.42	35	0.02	164.7	200	9.33	34.28	-	26.52	152.0	.445	
186	9.49	34.247	3.67U	-	-	-	157.0	250	8.85	34.33	1.10	26.64	141.0	.521	
223	9.08	34.318	1.16	-	-	-	145.4	300	8.43	34.36	.79	26.73	132.6	.592	
250	8.85	34.331	1.10	-	-	-	140.9	400	7.45	34.37	.53	26.88	118.0	.723	
296	8.46	34.356	.81	-	-	-	133.3	500	6.41	34.36	.46	27.02	105.2	.841	
357	8.07	34.392	.57	-	-	-	125.0	600	5.78	34.41	.37	27.14	93.8	.948	
451	6.69	34.329	.52	-	-	-	111.0								
537	6.22	34.389	.41	-	-	-	100.7								
610	5.70	34.412	.36	-	-	-	92.7								

110.70								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 16 1964, 1155 GCT, 28 36.5N 118 18W, SOUNDING 2050 FM, WIND 340 FORCE 2, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 20.								110.70							
1	17.92	33.712	5.67	0.31	2	0.00	360.8	0	17.92	33.71	5.67	24.32	361.0	0	
10	17.93	33.712	5.90	0.33	3	0.00	361.1	10	17.93	33.71	5.90	24.32	361.2	.036	
43	17.73	33.745	5.80	0.33	2	0.01	354.0	20	17.92	33.72	5.90	24.33	360.2	.072	
71	16.51	33.732	5.53	0.35	2	0.01	327.5	30	17.89	33.73	5.89	24.35	358.8	.108	
89	15.20	33.534	6.10	0.34	3	0.00	313.9	50	17.50	33.75	5.72	24.46	348.4	.179	
102	14.69	33.534	6.01	0.38	3	0.01	303.4	75	16.41	33.72	5.56	24.69	326.2	.264	
117	13.10	33.556	5.34	0.74	6	0.00	270.5	100	14.71	33.53	6.02	24.92	304.1	.343	
134	12.13	33.636	4.93	0.97	9	0.05	246.6	125	12.63	33.59	5.13	25.39	259.2	.415	
152	10.94	33.683	4.65	1.17	13	0.02	222.3	150	11.10	33.68	4.72	25.75	225.3	.476	
179	9.90	33.892	3.25	1.84	25	0.00	189.7	200	10.18	34.12	2.16	26.25	177.4	.578	
201	10.18	34.131	2.11	-	-	-	176.6	250	8.30	34.15	-	26.58	146.3	.662	
223	9.64	34.223	1.92	-	-	-	161.1	300	7.77	34.15	1.71	26.66	138.8	.735	
253	8.21	-	-	-	-	-	-	400	6.89	34.25	.81	26.86	119.5	.870	
288	7.86	34.146	1.83	-	-	-	140.3	500	6.20	34.30	.60	27.00	107.1	.990	
334	7.50	34.175	1.44	-	-	-	133.2								
396	6.91	34.250	.83	-	-	-	119.8								
474	6.42	34.293	.65	-	-	-	110.3								
555	5.62	34.308	.55	-	-	-	99.6								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
110.80								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 16 1964, C700 GCT, 28 19N 118 57W, SOUNDING 2050 FM, WIND 080 FORCE 4, WEATHER PARTLY CLCUCY, SEA MODERATE, WIRE ANGLE 17.								110.80							
1	18.33	33.761	5.54	0.35	2	0.00	366.9	0	18.33	33.76	5.54	24.26	366.9	0	
10	18.34	33.761	5.80	0.37	2	0.00	367.1	10	18.34	33.76	5.80	24.26	367.2	.037	
29	18.08	33.758	5.74	0.33	2	0.00	361.2	20	18.10	33.76	5.76	24.32	361.5	.073	
39	17.86	33.760	5.36	0.32	2	0.00	355.9	30	18.08	33.76	5.73	24.32	361.1	.109	
53	16.71	33.730	6.01	0.35	2	0.00	332.1	50	17.70	33.76	5.44	24.42	352.2	.181	
68	15.90	33.623	6.04	0.34	1	0.00	322.2	75	15.42	33.58	6.03	24.81	315.1	.265	
92	15.07	33.556	6.01	0.35	2	0.00	309.6	100	15.00	33.55	6.01	24.88	308.6	.343	
110	14.56	33.537	6.01	0.38	2	0.00	300.5	125	13.85	33.53	5.76	25.10	286.8	.419	
128	13.54	33.525	5.60	0.61	4	0.11	281.2	150	11.68	33.65	4.57	25.62	237.6	.485	
146	11.95	33.634	4.68	1.07	10	0.02	243.5	200	9.53	33.89	3.60	26.18	184.0	.592	
174	10.39	33.734	4.08	-	-	-	209.4	250	8.49	34.01	3.36	26.44	159.4	.680	
206	9.40	33.514	3.55	-	-	-	180.2	300	7.79	34.08	2.42	26.60	144.3	.759	
234	8.88	33.986	3.46	-	-	-	167.0	400	7.13	34.26	.82	26.84	121.9	.897	
278	7.91	34.041	2.96	-	-	-	148.8	500	6.51	34.32	.56	26.97	109.4	1.020	
329	7.66	34.131	1.86	-	-	-	138.7								
408	7.08	34.268	.77	-	-	-	120.7								
489	6.59	34.316	.58	-	-	-	110.7								
573	5.89	34.368	.47	-	-	-	98.2								
110.90								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 16 1964, C213 GCT, 27 57N 119 36W, SOUNDING 2090 FM, WIND 090 FORCE 3, WEATHER OVERCAST, SEA RCLGP, WIRE ANGLE 17.								110.90							
C	18.69	33.844	5.59	0.37	2	0.00	369.4	0	18.69	33.84	5.59	24.23	369.6	0	
10	18.67	33.851	5.84	0.37	2	0.00	368.4	10	18.67	33.85	5.84	24.25	368.4	.037	
29	18.17	-	-	-	-	-	-	20	18.40	33.84	-	24.31	362.8	.074	
38	18.04	33.815	5.52	0.38	2	0.00	356.1	30	18.16	33.82	-	24.35	358.6	.110	
53	17.53	33.878	5.99	0.32	2	0.00	339.8	50	17.56	33.88	5.98	24.54	340.3	.180	
67	16.91	33.881	5.95	0.33	2	0.00	325.5	75	16.40	33.88	5.86	24.82	314.3	.262	
92	16.44	33.908	5.85	0.32	2	0.00	313.1	100	16.24	33.93	5.84	24.89	307.1	.340	
110	16.08	33.930	5.83	0.35	2	0.00	303.6	125	16.00	33.93	5.82	24.94	301.9	.417	
129	14.92	33.850	5.54	0.48	3	0.17	285.0	150	12.76	33.79	4.94	25.52	246.9	.487	
148	12.94	33.756	4.99	0.82	8	0.02	249.8	200	10.00	33.88	3.90	26.10	192.2	.599	
176	10.93	33.767	4.32	-	-	-	215.9	250	8.93	34.01	3.39	26.38	166.0	.690	
209	9.74	33.912	3.84	-	-	-	185.7	300	8.34	34.11	2.31	26.54	149.8	.772	
236	9.05	33.961	3.76	-	-	-	171.4	400	6.91	34.16	-	26.79	126.5	.916	
281	8.70	34.057	2.51	-	-	-	156.1	500	5.99	34.23	.80	26.97	109.8	1.040	
333	7.70	34.123	2.02	-	-	-	139.8								
413	6.78	34.173	-	-	-	-	123.8								
493	6.03	34.220	.82	-	-	-	111.0								
577	5.45	34.291	.76	-	-	-	98.9								
113.30								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 27 1964, 0810 GCT, 29 22N 115 18W, SOUNDING 33 FM, WIND 320 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 05.								113.30							
C	15.31	33.747	7.45	0.44	15	0.07	300.6	0	15.31	33.75	7.45	24.96	300.4	0	
10	13.84	33.666	6.43	0.62	9	0.11	276.7	10	13.84	33.67	6.43	25.21	276.4	.029	
20	12.07	33.697	4.50	1.38	15	0.29	241.0	20	12.07	33.70	4.50	25.59	240.8	.055	
30	11.65	33.746	3.65	1.65	18	0.38	229.9	30	11.65	33.75	3.65	25.70	229.7	.078	
50	10.65	33.818	2.85	2.07	25	0.15	207.5	50	10.65	33.82	2.85	25.94	207.3	.122	
115.35								CCCCI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 27 1964, 0429 GCT, 28 54N 115 26.5W, SOUNDING 512 FM, WIND 330 FORCE 4, WEATHER PARTLY CLOUDY, SEA RCLGP, WIRE ANGLE 22.								115.35							
1	17.84	33.734	5.73	0.31	2	-	357.4	0	17.84	33.73	5.73	24.36	357.7	0	
10	17.75	33.734	5.67	0.58	2	0.00	355.3	10	17.75	33.73	5.67	24.38	355.6	.036	
29	16.74	33.689	5.84	0.35	1	0.00	335.7	20	17.23	33.72	5.70	24.50	344.4	.071	
38	16.04	33.644	6.03	0.30	2	0.00	323.7	30	16.65	33.68	5.86	24.60	334.4	.105	
52	14.63	33.587	5.99	0.42	2	0.04	298.3	50	14.72	33.59	5.99	24.97	299.9	.168	
66	13.88	33.572	5.86	0.57	3	0.11	284.4	75	12.78	33.56	5.36	25.34	264.2	.239	
89	11.66	33.556	4.81	1.08	9	0.15	244.1	100	10.50	33.60	4.37	25.79	221.1	.300	
107	10.30	33.645	4.16	1.35	15	0.04	214.5	125	10.42	33.94	2.57	26.07	194.6	.353	
125	10.42	33.943	2.57	2.02	25	0.02	194.4	150	10.13	34.08	2.22	26.23	179.5	.401	
143	10.21	34.041	2.31	2.11	27	0.03	183.7	200	9.45	34.21	1.73	26.45	159.1	.487	
169	9.89	34.147	2.00	-	-	-	170.7	250	9.43	34.36	.96	26.57	147.7	.566	
201	9.45	34.213	1.72	-	-	-	158.9	300	8.95	34.39	.68	26.67	138.1	.640	
226	9.50	34.324	1.11	-	-	-	151.4	400	8.19	34.42	.43	26.81	124.6	.778	
273	9.26	34.383	.83	-	-	-	143.3	500	7.05	34.40	.35	26.96	110.4	.903	
324	8.68	34.396	.59	-	-	-	133.6								
402	8.17	34.423	.42	-	-	-	124.1								
483	7.26	34.405	.35	-	-	-	112.8								
566	6.29	34.372	.36	-	-	-	102.8								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT

COMPUTED

INPUT

COMPUTED

Z	T	S	CXY	PHC	SIL	NIT	C*T	Z	T	S	OXY	SIG*T	D*T	DD	
119.33								119.33							
CCCFI CRUISE 6407															
ALEXANDER AGASSIZ, JULY 26 1964, 2300 GCT, 28 19N 114 53.5W, SOUNDING 55 FM, WIND 320 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 13.															
C	19.04	33.801	5.88	-	-	-	380.9	0	19.04	33.80	5.88	24.12	381.0	0	
10	18.46	33.800	6.03	-	-	-	367.1	10	18.46	33.80	6.03	24.26	367.1	.037	
19	18.04	33.776	6.14	-	-	-	359.0	20	18.00	33.77	6.15	24.35	358.5	.074	
29	17.56	33.753	6.22	-	-	-	349.5	30	17.49	33.75	6.22	24.46	348.2	.109	
48	15.68	33.747	5.50	-	-	-	308.4	50	15.15	33.75	5.25	25.00	297.0	.174	
73	10.96	33.787	3.11	-	-	-	215.0	75	10.82	33.79	3.05	25.89	212.4	.238	

120.45	CCCFI CRUISE 6407	120.45
ALEXANDER AGASSIZ, JULY 18 1964, 1525 GCT, 27 42.5N 115 33W, SOUNDING 1265 FM, WIND 310 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 18.		

C	19.30	33.854	5.47	C.40	2	0.01	383.3	0	19.30	33.85	5.47	24.09	383.6	0
10	19.32	33.859	5.69	C.43	2	0.00	383.5	10	19.32	33.86	5.69	24.09	383.4	.038
29	15.66	33.647	6.20	C.42	2	0.00	315.3	20	18.00	33.77	5.91	24.35	358.5	.076
38	15.25	33.720	5.76	0.52	3	0.01	301.3	30	15.60	33.65	6.17	24.82	313.8	.109
48	14.10	33.643	5.85	0.63	3	0.15	283.5	50	13.90	33.62	5.83	25.16	281.2	.169
67	12.76	33.592	5.27	1.01	7	0.38	261.4	75	12.30	33.60	5.00	25.47	252.4	.236
91	11.20	33.770	4.00	1.55	14	C.02	220.3	100	11.36	33.89	3.69	25.87	214.3	.295
110	10.94	33.941	3.09	1.90	19	0.02	203.3	125	10.54	34.02	2.60	26.11	190.7	.346
130	10.46	34.050	2.51	2.14	24	0.01	187.2	150	10.27	34.14	2.24	26.25	177.4	.393
148	10.28	34.124	2.27	2.21	27	0.01	178.7	200	9.85	34.31	1.39	26.46	158.0	.479
177	10.08	34.262	1.73	-	-	-	165.3	250	9.48	34.37	1.06	26.57	147.7	.557
210	9.77	34.333	1.25	-	-	-	155.0	300	8.75	34.36	.88	26.68	137.3	.631
239	9.60	34.369	1.09	-	-	-	149.7	400	7.75	34.37	.66	26.84	122.1	.767
286	8.96	34.358	.93	-	-	-	140.6	500	6.83	34.39	.40	26.98	108.3	.889
339	8.30	34.360	.74	-	-	-	130.7	600	6.15	34.42	-	27.10	97.5	1.000
421	7.57	34.381	.62	-	-	-	118.8							
502	6.81	34.395	.40	-	-	-	107.7							
588	6.20	34.416	.39	-	-	-	98.4							

120.50	CCCFI CRUISE 6407	120.50
ALEXANDER AGASSIZ, JULY 18 1964, 1818 GCT, 27 33N 115 54W, SOUNDING 2380 FM, WIND 040 FORCE 4, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 05.		

C	18.95	33.846	5.81	C.40	1	0.00	375.4	0	18.95	33.85	5.81	24.18	375.2	0
10	18.91	33.848	5.72	0.35	2	0.01	374.3	10	18.91	33.85	5.72	24.19	374.2	.037
35	15.76	33.734	6.32	0.44	2	0.01	311.1	20	18.80	33.85	5.73	24.21	371.6	.075
45	14.66	33.687	6.28	0.66	4	0.04	291.6	30	17.22	33.79	6.07	24.55	339.1	.110
60	12.76	33.617	5.40	C.95	7	0.03	259.6	50	14.50	33.68	6.25	25.08	288.8	.173
75	11.72	33.689	4.27	1.43	13	0.04	235.4	75	11.72	33.69	4.27	25.64	235.3	.239
100	10.21	33.763	3.90	1.67	19	0.03	204.3	100	10.21	33.76	3.90	25.97	204.5	.295
120	9.57	33.875	3.76	1.80	23	0.03	185.8	125	9.61	33.94	3.38	26.21	181.6	.344
140	10.04	34.148	2.18	2.32	29	0.02	173.1	150	9.93	34.17	2.17	26.34	169.7	.388
170	9.50	34.186	2.15	2.41	33	0.01	161.7	200	9.49	34.32	1.22	26.53	151.6	.470
200	9.49	34.322	1.22	-	-	-	151.4	250	8.84	34.36	.96	26.66	138.6	.545
240	8.92	34.356	1.00	-	-	-	140.1	300	8.49	34.39	.80	26.74	131.2	.615
270	8.70	34.363	.89	-	-	-	136.3	400	7.29	34.36	.64	26.90	116.6	.745
320	8.29	34.396	.74	-	-	-	127.9	500	6.51	34.38	.49	27.02	105.0	.863
384	7.45	34.364	.66	-	-	-	118.5	600	5.87	34.43	.48	27.14	93.4	.969
484	6.62	34.372	.52	-	-	-	106.9							
573	6.06	34.432	.42	-	-	-	95.5							
648	5.56	34.431	.60	-	-	-	89.7							

120.60	CCOFI CRUISE 6407	120.60
ALEXANDER AGASSIZ, JULY 18 1964, 2335 GCT, 27 13N 116 30.5W, SOUNDING 1980 FM, WIND 060 FORCE 4, WEATHER PARTLY CLCUCY, SEA RCLGH, WIRE ANGLE 24.		

C	18.38	33.751	5.74	C.38	-	-	368.8	0	18.38	33.75	5.74	24.24	368.8	0
9	17.94	33.737	5.78	C.40	2	0.00	359.5	10	17.88	33.73	5.79	24.35	358.6	.036
28	16.79	33.599	5.93	C.40	1	-	343.4	20	17.00	33.61	5.90	24.47	347.3	.072
37	16.27	33.685	5.99	0.37	1	0.00	325.7	30	16.72	33.60	5.95	24.53	341.8	.106
50	14.93	33.509	6.16	C.41	2	0.00	310.1	50	14.93	33.51	6.16	24.86	310.0	.172
64	14.19	33.605	5.72	0.54	3	0.15	288.1	75	13.40	33.64	5.55	25.28	270.0	.245
85	13.50	33.705	5.54	C.87	6	0.40	267.2	100	12.00	33.63	5.54	25.55	244.7	.309
103	11.74	33.625	5.54	1.18	10	0.06	240.5	125	10.60	33.73	4.26	25.88	213.1	.367
119	10.91	33.703	4.42	1.34	13	0.02	220.3	150	9.54	33.88	3.69	26.18	184.9	.418
136	10.00	33.783	4.02	1.63	18	0.02	199.4	200	8.68	34.06	2.93	26.45	158.5	.505
162	9.28	33.942	3.45	-	-	-	176.3	250	8.11	34.15	1.96	26.61	143.6	.583
191	8.80	34.041	3.01	-	-	-	161.7	300	7.75	34.22	1.23	26.72	133.3	.654
216	8.42	34.077	2.70	-	-	-	153.4	400	6.93	34.33	.67	26.92	114.1	.784
258	8.05	34.161	1.83	-	-	-	141.9	500	6.30	34.37	.46	27.04	103.1	.899
306	7.70	34.222	1.19	-	-	-	132.5							
381	7.04	34.316	.76	-	-	-	116.6							
469	6.50	34.354	.49	-	-	-	106.8							
549	5.90	34.403	.42	-	-	-	95.8							

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT				COMPUTED				INPUT				COMPUTED			
Z	T	S	CXY	PHC	SIL	NIT	D#T	Z	T	S	OXY	SIG#T	D#T	DD	
120.70								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 19 1964, 0431 GCT, 26 52N 117 10W, SOUNDING 2025 FM, WIND 320 FORCE 4, WEATHER PARTLY CLCUDY, SEA RCLGH, WIRE ANGLE 17.								120.70							
C	19.24	33.763	5.52	C.31	3	0.00	388.5	0	19.24	33.76	5.52	24.03	388.7	0	
9	19.23	33.761	5.54	C.34	1	0.00	388.4	10	19.23	33.76	5.54	24.04	388.5	.039	
29	17.90	33.644	5.72	C.37	5	0.00	365.3	20	18.60	33.70	5.65	24.15	377.7	.077	
38	17.24	33.672	5.88	C.38	1	0.00	348.2	30	17.83	33.65	5.74	24.30	363.3	.114	
52	16.41	33.656	5.82	C.36	1	0.00	330.8	50	16.50	33.65	5.83	24.62	333.3	.184	
67	16.10	33.714	6.12	C.36	1	0.00	319.9	75	15.90	33.71	6.17	24.80	315.8	.266	
91	14.34	33.564	6.26	C.42	1	0.04	294.1	100	13.50	33.56	5.52	25.20	277.8	.341	
110	13.24	33.574	5.30	C.70	5	0.19	271.8	125	11.80	33.59	4.78	25.55	244.1	.407	
129	11.54	33.598	4.71	1.18	10	0.02	238.9	150	10.75	33.70	4.30	25.83	217.9	.465	
148	10.82	33.683	4.34	1.48	14	0.01	220.3	200	9.63	34.07	2.63	26.31	172.3	.564	
177	9.80	33.863	3.61	-	-	-	190.3	250	9.50	34.30	1.35	26.51	153.2	.648	
210	9.62	34.144	2.26	-	-	-	166.6	300	8.90	34.35	.99	26.65	140.3	.724	
239	9.60	34.287	1.46	-	-	-	155.7	400	8.01	34.38	.58	26.81	125.0	.863	
286	9.00	34.329	1.09	-	-	-	143.4	500	6.91	34.36	.51	26.95	111.6	.989	
338	8.64	34.378	.73	-	-	-	134.3	600	6.01	34.40	-	27.10	97.3	1.101	
418	7.80	34.376	.56	-	-	-	122.4								
500	6.91	34.365	.51	-	-	-	111.2								
582	6.12	34.386	.39	-	-	-	99.7								
120.80								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 19 1964, 0920 GCT, 26 35N 117 48.5W, SOUNDING 2085 FM, WIND 310 FORCE 5, WEATHER PARTLY CLCUDY, SEA RCLGH, WIRE ANGLE 12.								120.80							
C	19.66	33.892	5.47	C.27	1	0.02	389.4	0	19.66	33.89	5.47	24.02	389.6	0	
11	19.65	33.885	5.43	C.31	2	0.01	389.7	10	19.65	33.89	5.44	24.03	389.3	.039	
30	18.60	33.816	5.53	C.30	1	0.00	369.2	20	19.64	33.88	5.43	24.02	389.8	.078	
40	17.16	33.661	5.78	C.31	1	0.00	347.2	30	18.60	33.82	5.53	24.24	369.0	.116	
55	16.71	33.723	5.79	C.31	1	0.01	332.6	50	16.85	33.71	5.79	24.58	336.6	.187	
69	16.18	33.723	5.93	C.30	1	0.00	320.9	75	15.97	33.72	5.93	24.79	316.6	.269	
94	15.08	33.676	5.82	C.38	1	0.01	301.0	100	14.55	33.68	5.63	25.07	289.8	.345	
115	13.95	33.848	5.12	C.56	3	0.07	265.5	125	13.35	33.83	5.03	25.44	255.1	.414	
134	12.38	33.791	4.90	C.79	9	0.03	239.8	150	11.10	33.75	4.58	25.81	220.1	.474	
153	10.96	33.745	4.52	1.16	14	0.00	218.1	200	9.55	33.90	3.87	26.19	183.6	.577	
182	10.16	33.850	4.07	-	-	-	197.0	250	9.74	34.32	1.28	26.49	155.5	.664	
216	9.14	33.953	3.64	-	-	-	173.4	300	9.27	34.40	.76	26.63	142.2	.741	
244	9.76	34.291	1.47	-	-	-	158.0	400	7.81	34.36	.60	26.82	123.7	.881	
294	9.34	34.402	.79	-	-	-	143.2	500	6.74	34.36	.46	26.97	109.4	1.004	
348	8.52	34.392	.64	-	-	-	131.5	600	6.02	34.40	.35	27.10	97.4	1.116	
450	7.23	34.347	.56	-	-	-	116.8								
535	6.47	34.368	.41	-	-	-	105.3								
622	5.88	34.402	.34	-	-	-	95.6								
120.90								CCOFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 19 1964, 1403 GCT, 26 18.5N 118 26.5W, SOUNDING 2050 FM, WIND 060 FORCE 4, WEATHER CLOUDY, SEA RCLGH, WIRE ANGLE 19.								120.90							
C	19.20	33.770	5.62	C.33	1	0.00	387.0	0	19.20	33.77	5.62	24.05	387.0	0	
9	19.18	33.770	5.85	C.34	1	0.00	386.5	10	19.17	33.77	5.85	24.06	386.3	.039	
33	17.90	33.678	5.74	C.32	1	0.00	362.8	20	18.40	33.71	5.78	24.21	372.2	.077	
42	17.28	33.691	5.94	C.32	1	0.00	347.7	30	17.93	33.68	5.74	24.30	363.4	.114	
57	16.36	33.673	6.01	C.33	2	0.00	328.5	50	16.72	33.69	5.97	24.60	335.2	.184	
71	15.70	33.638	6.07	C.34	2	0.00	316.8	75	15.60	33.64	6.06	24.81	314.5	.265	
94	14.81	33.629	5.90	C.41	2	0.07	298.9	100	14.60	33.63	5.80	25.02	294.5	.342	
112	13.34	33.641	5.10	C.77	5	0.03	268.8	125	12.39	33.64	4.82	25.48	251.1	.411	
131	11.98	33.649	4.69	1.11	10	0.01	243.0	150	10.85	33.70	4.38	25.81	219.5	.471	
158	10.44	33.761	4.22	1.46	16	0.00	208.2	200	9.18	33.93	3.83	26.27	175.7	.571	
185	9.60	33.892	3.94	-	-	-	185.0	250	8.75	34.14	2.41	26.51	153.6	.656	
221	8.72	33.990	3.49	-	-	-	164.3	300	7.88	34.13	1.98	26.63	141.8	.732	
248	8.76	34.136	2.42	-	-	-	154.1	400	7.20	34.27	.96	26.84	122.1	.870	
295	7.92	34.126	2.03	-	-	-	142.7	500	6.54	34.36	.54	27.00	106.8	.991	
355	7.64	34.243	1.21	-	-	-	130.1	600	5.90	34.40	.41	27.11	96.0	1.100	
449	6.72	34.296	.73	-	-	-	113.9								
535	6.41	34.398	.45	-	-	-	102.4								
609	5.83	34.395	.41	-	-	-	95.5								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT							COMPUTED		INPUT				COMPUTED		
Z	T	S	CXY	PFC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
123.42							CCOFI CRUISE 6407							123.42	
ALEXANDER AGASSIZ, JULY 26 1964, 1627 GCT, 27 14N 114 59.5W, SOUNDING 930 FM, WIND 280 FORCE 2, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 00.															
C	18.37	33.795	6.10	-	-	-	365.3	0	18.37	33.80	6.10	24.28	365.0	0	
10	18.30	33.795	6.07	-	-	-	363.7	10	18.30	33.80	6.07	24.30	363.3	.036	
30	14.69	33.755	5.40	-	-	-	287.2	20	17.00	33.78	5.83	24.60	334.9	.071	
40	13.68	33.730	4.91	-	-	-	268.8	30	14.69	33.76	5.40	25.10	286.8	.103	
55	12.22	33.714	4.01	-	-	-	242.5	50	13.00	33.72	4.48	25.42	256.5	.157	
70	11.70	33.747	3.76	-	-	-	230.8	75	11.50	33.76	3.70	25.74	226.3	.218	
95	10.59	33.852	3.39	-	-	-	204.0	100	10.54	33.86	3.37	25.99	202.5	.272	
115	10.29	33.972	3.02	-	-	-	190.1	125	10.23	34.02	2.80	26.17	185.6	.321	
135	10.18	34.070	2.52	-	-	-	181.1	150	10.01	34.16	2.21	26.31	171.7	.366	
155	9.96	34.180	2.11	-	-	-	169.4	200	9.55	34.31	1.37	26.51	153.3	.449	
185	9.56	34.247	1.68	-	-	-	158.1	250	9.36	34.39	.87	26.60	144.4	.526	
220	9.54	34.367	1.01	-	-	-	148.9	300	8.91	34.38	.86	26.67	138.2	.599	
250	9.36	34.386	.87	-	-	-	144.7	400	8.25	34.42	.46	26.80	125.5	.738	
301	8.90	34.384	.86	-	-	-	137.8	500	7.26	34.47	.44	26.99	108.0	.862	
356	8.53	34.412	.61	-	-	-	130.2	600	6.24	34.44	.38	27.10	97.1	.973	
441	7.95	34.436	.39	-	-	-	120.0								
526	6.94	34.472	.45	-	-	-	103.6								
611	6.17	34.430	.37	-	-	-	97.0								

127.40				CCCFI CRUISE 6407										127.40			
ALEXANDER AGASSIZ, JULY 26 1964, 1147 GCT, 26 44.5N 114 28W, SOUNDING 1465 FM, WIND 320 FORCE 3, WEATHER PARTLY CLCUDY, SEA MODERATE, WIRE ANGLE 05.																	
C	20.54	33.908	5.46	-	-	-	410.3	0	20.54	33.91	5.46	23.81	410.1	0			
10	20.53	33.910	5.35	-	-	-	409.9	10	20.53	33.91	5.35	23.81	409.9	.041			
30	18.79	33.917	5.65	-	-	-	366.4	20	20.50	33.91	5.35	23.82	409.1	.082			
40	17.95	33.937	5.86	-	-	-	345.2	30	18.79	33.92	5.65	24.27	366.2	.121			
55	16.55	33.793	5.89	-	-	-	323.9	50	16.80	33.81	5.88	24.67	328.2	.191			
69	15.82	33.754	5.93	-	-	-	310.9	75	15.33	33.75	5.77	24.96	300.8	.270			
93	13.37	33.723	4.74	-	-	-	263.4	100	12.89	33.73	4.45	25.45	253.7	.340			
112	12.22	33.772	4.05	-	-	-	238.2	125	11.58	33.86	3.59	25.80	220.3	.399			
132	11.26	33.894	3.38	-	-	-	212.2	150	10.64	33.98	2.94	26.07	195.3	.452			
152	10.60	33.986	2.90	-	-	-	194.2	200	9.73	34.13	2.28	26.34	169.4	.545			
181	10.16	34.102	2.41	-	-	-	178.4	250	9.44	34.32	1.25	26.53	150.8	.628			
216	9.48	34.173	2.16	-	-	-	162.3	300	9.06	34.40	.77	26.66	139.0	.703			
245	9.46	34.305	1.35	-	-	-	152.2	400	7.99	34.40	.55	26.82	123.3	.840			
293	9.12	34.398	.80	-	-	-	140.1	500	6.83	34.39	.44	26.98	108.3	.963			
347	8.60	34.418	.61	-	-	-	130.8	600	6.20	34.43	.33	27.10	97.4	1.074			
431	7.60	34.382	.51	-	-	-	119.2										
515	6.68	34.397	.41	-	-	-	105.8										
600	6.20	34.426	.33	-	-	-	97.7										

130.30				CCOFI CRUISE 6407												130.30			
ALEXANDER AGASSIZ, JULY 21 1964, C943 GCT, 26 29N 113 29W, SOUNDING 35 FM, WIND 200 FORCE 2, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 02.																			
C	17.80	33.918	6.09	0.43	4	0.02	343.1	0	17.80	33.92	6.09	24.51	342.9	0					
9	14.42	33.756	5.22	0.79	7	0.22	281.6	10	13.80	33.78	4.58	25.31	267.5	.031					
20	12.17	33.868	2.89	1.87	17	0.73	230.3	20	12.17	33.87	2.89	25.70	230.1	.055					
30	11.60	33.863	2.83	2.00	20	0.89	220.4	30	11.60	33.86	2.83	25.80	220.7	.078					
50	12.08	34.191	.50	3.06	40	0.18	204.9	50	12.08	34.19	.50	25.96	204.9	.121					

130.40				CCCFI CRUISE 6407												130.40			
ALEXANDER AGASSIZ, JULY 21 1964, C506 GCT, 26 14.5N 114 06W, SOUNDING 980 FM, WIND 270 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 11.																			
C	20.48	33.852	5.52	C.32	0	0.00	412.8	0	20.48	33.85	5.52	23.78	413.0	0					
10	20.20	33.852	5.42	C.32	1	0.01	405.8	10	20.20	33.85	5.42	23.85	405.9	.041					
30	18.14	33.800	5.72	C.31	1	0.01	359.6	20	20.00	33.85	5.43	23.91	400.9	.081					
40	17.12	33.756	6.00	C.33	1	0.00	336.4	30	18.14	33.80	5.72	24.34	359.6	.119					
54	16.12	33.769	5.89	C.33	1	0.00	316.3	50	16.37	33.78	5.92	24.75	320.9	.188					
69	15.46	33.737	5.87	0.41	1	0.03	304.5	75	15.09	33.73	5.73	24.99	297.3	.265					
93	13.40	33.714	4.72	0.90	6	0.00	264.6	100	13.02	33.72	4.53	25.42	256.9	.335					
113	12.36	33.741	4.18	1.18	11	0.00	243.1	125	10.93	33.77	3.86	25.85	215.7	.395					
132	10.78	33.796	3.74	1.53	17	0.01	211.3	150	11.03	34.03	2.50	26.04	198.2	.448					
151	11.05	34.054	2.39	2.06	24	0.00	196.8	200	11.12	34.52	.58	26.40	163.6	.540					
180	11.16	34.402	1.06	-	-	-	173.0	250	10.46	34.56	.39	26.55	149.5	.621					
215	11.04	34.568	.43	-	-	-	158.7	300	9.97	34.59	.29	26.66	139.2	.696					
244	10.54	34.555	.41	-	-	-	151.2	400	8.64	34.51	.29	26.81	124.5	.835					
293	10.02	34.597	.30	-	-	-	139.5	500	7.38	34.45	.31	26.95	111.1	.960					
346	9.56	34.570	.27	-	-	-	134.2	600	6.26	34.40	.33	27.07	100.3	1.074					
429	8.16	34.481	.31	-	-	-	119.7												
511	7.28	34.452	.32	-	-	-	109.6												
596	6.32	34.405	.33	-	-	-	100.7												

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHO	SIL	NIT	D=I	Z	T	S	OXY	SIG*T	D=I	DD	
130.50								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 20 1964, 2318 GCT, 25 52N 114 47W, SOUNDING 1920 FM, WIND 060 FORCE 2, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 08.								130.50							
C	20.70	33.848	5.49	C.34	1	0.00	418.7	0	20.70	33.85	5.49	23.72	418.6	0	
10	20.18	33.867	5.48	C.33	1	0.00	404.2	10	20.18	33.87	5.48	23.87	404.0	.041	
30	17.78	33.774	5.94	C.33	1	0.00	353.1	20	19.00	33.83	5.65	24.15	377.8	.080	
40	17.26	33.755	6.14	C.33	1	0.00	342.6	30	17.78	33.77	5.94	24.40	353.4	.117	
50	16.74	33.743	6.15	C.33	1	0.00	331.8	50	16.74	33.74	6.15	24.63	332.0	.186	
65	15.92	33.717	6.07	C.33	1	0.00	315.7	75	15.25	33.67	6.03	24.91	305.0	.266	
80	15.20	33.665	6.02	C.38	1	0.00	304.3	100	13.20	33.63	4.97	25.31	266.9	.338	
99	13.31	33.627	5.08	0.82	5	0.13	269.3	125	11.80	33.89	3.20	25.79	222.0	.400	
124	11.83	33.879	3.25	1.70	16	0.05	223.3	150	11.11	34.07	2.37	26.05	196.7	.453	
144	11.22	34.024	2.54	2.04	22	0.01	201.9	200	10.47	34.39	1.29	26.41	162.2	.544	
174	10.74	34.231	1.80	-	-	-	178.5	250	10.27	34.54	.58	26.57	147.8	.624	
203	10.44	34.403	1.25	-	-	-	160.8	300	9.75	34.56	.37	26.67	137.9	.699	
233	10.31	34.492	.86	-	-	-	152.0	400	8.19	34.46	.39	26.84	121.7	.835	
272	10.17	34.582	.37	-	-	-	143.1	500	6.97	34.44	.39	27.00	106.4	.957	
332	9.22	34.526	.37	-	-	-	132.1								
406	8.10	34.459	.39	-	-	-	120.4								
481	7.16	34.440	.41	-	-	-	108.9								
561	6.43	34.443	.35	-	-	-	99.2								
130.60								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 20 1964, 1746 GCT, 25 29.5N 115 23.5W, SOUNDING 2050 FM, WIND 030 FORCE 3, WEATHER OVERCAST, SEA RCLGH, WIRE ANGLE 07.								130.60							
C	20.76	33.852	-	C.29	2	0.00	419.9	0	20.76	33.85	-	23.70	420.1	0	
10	20.67	33.852	-	C.30	2	0.00	417.7	10	20.67	33.85	-	23.73	417.8	.042	
30	18.07	33.765	-	C.30	1	0.00	360.5	20	19.00	33.79	-	24.12	380.7	.082	
40	17.11	33.726	-	C.32	4	0.00	341.3	30	18.07	33.76	-	24.33	360.8	.119	
54	16.28	33.747	-	C.32	2	0.00	321.4	50	16.60	33.74	-	24.66	328.9	.188	
69	15.60	33.718	-	C.37	1	0.00	308.8	75	15.27	33.72	-	24.95	301.7	.268	
94	13.92	33.712	-	C.74	5	0.04	274.9	100	13.48	33.72	-	25.33	265.7	.339	
114	12.33	33.774	-	1.33	11	0.02	240.1	125	11.69	33.87	-	25.79	221.5	.401	
134	11.26	33.937	-	1.75	18	0.00	209.1	150	10.65	34.01	-	26.09	193.3	.453	
153	10.60	34.027	-	2.01	24	0.01	191.2	200	10.61	34.35	-	26.36	167.5	.545	
183	10.66	34.262	-	-	-	-	174.8	250	10.02	34.48	-	26.56	148.2	.627	
218	10.50	34.427	-	-	-	-	160.0	300	9.46	34.49	-	26.66	138.5	.701	
248	10.04	34.479	-	-	-	-	148.6	400	8.20	34.47	-	26.85	121.1	.838	
298	9.48	34.489	-	-	-	-	138.9	500	7.18	34.45	-	26.98	108.4	.960	
353	8.90	34.494	-	-	-	-	129.6	600	6.25	34.44	-	27.10	97.2	1.071	
437	7.68	34.446	-	-	-	-	115.5								
521	7.01	34.445	-	-	-	-	106.5								
606	6.20	34.436	-	-	-	-	96.9								
130.70								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 20 1964, 1218 GCT, 25 07.5N 116 05W, SOUNDING 2056 FM, WIND 030 FORCE 3, WEATHER MISSING, SEA RCLGH, WIRE ANGLE 14.								130.70							
C	21.02	33.910	5.36	C.29	1	0.00	422.4	0	21.02	33.91	5.36	23.68	422.4	0	
5	21.02	33.912	5.32	C.30	1	0.00	422.3	10	21.02	33.91	5.32	23.68	422.4	.042	
29	18.94	33.814	5.58	C.32	1	0.00	377.5	20	19.50	33.84	5.48	24.03	389.3	.083	
39	18.03	33.774	5.75	C.32	1	0.01	358.9	30	18.93	33.81	5.59	24.15	377.6	.121	
53	17.16	33.805	5.95	C.29	1	0.00	336.7	50	17.32	33.80	5.93	24.54	340.6	.193	
67	16.45	33.789	5.95	C.29	1	0.00	322.0	75	16.02	33.75	5.94	24.80	315.5	.276	
93	14.88	33.657	5.88	C.40	2	0.01	298.3	100	14.30	33.66	5.54	25.11	286.2	.352	
112	13.44	33.721	4.72	0.87	6	0.02	264.9	125	12.42	33.73	4.35	25.54	245.0	.419	
131	12.06	33.736	4.21	1.19	11	0.00	238.0	150	11.02	33.88	3.36	25.92	209.1	.476	
149	11.06	33.870	3.40	1.65	17	0.00	210.6	200	10.02	34.16	2.17	26.31	171.8	.574	
179	10.29	34.029	2.73	-	-	-	189.9	250	9.45	34.25	1.73	26.48	156.1	.658	
211	9.90	34.199	1.99	-	-	-	167.0	300	8.81	34.31	1.20	26.63	141.9	.735	
241	9.58	34.237	1.79	-	-	-	159.1	400	7.95	34.40	.51	26.83	122.7	.874	
289	8.84	34.289	1.34	-	-	-	143.9	500	7.12	34.44	.36	26.98	108.4	.997	
342	8.72	34.415	.60	-	-	-	132.8	600	6.24	34.45	.31	27.11	96.4	1.107	
425	7.62	34.398	.48	-	-	-	118.3								
511	7.04	34.443	.35	-	-	-	107.1								
593	6.29	34.445	.31	-	-	-	97.4								

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT

COMPUTED

INPUT

COMPUTED

Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
130.80							CCCCI CRUISE 6407	130.80						
ALEXANDER AGASSIZ, JULY 19 1964, 2317 GCT, 24 48.5N 116 40.5W, SOUNDING 2145 FM, WIND 360 FORCE 3, WEATHER CLOUDY, SEA RUGH, WIRE ANGLE 15.														
C	20.28	33.828	5.43	0.34	1	0.00	409.5	0	20.28	33.83	5.43	23.82	409.4	.040
10	20.28	33.821	5.43	0.43	1	0.00	410.0	10	20.28	33.82	5.43	23.81	410.1	.041
29	19.08	34.006	5.55	0.33	1	0.00	367.0	20	19.45	33.88	5.49	24.07	385.1	.081
39	18.80	34.092	5.66	0.32	1	0.00	354.0	30	19.09	34.02	5.56	24.27	366.2	.118
53	17.64	33.934	5.66	0.32	2	0.00	338.2	50	17.83	33.96	5.66	24.54	340.7	.189
67	17.14	33.923	5.84	0.31	1	0.00	327.6	75	17.00	33.92	5.84	24.71	324.7	.273
91	15.14	33.819	5.42	0.64	3	0.08	291.8	100	14.22	33.78	5.13	25.22	275.9	.349
110	13.32	33.763	4.81	0.90	6	0.10	259.5	125	12.27	33.79	4.37	25.62	237.8	.414
129	11.99	33.802	4.22	1.20	11	0.07	231.9	150	10.98	33.91	3.29	25.95	206.2	.470
148	11.02	33.901	3.37	1.67	19	0.06	207.6	200	10.22	34.15	2.20	26.27	175.8	.567
176	10.41	34.057	2.59	-	-	-	185.8	250	9.57	34.33	1.32	26.52	152.1	.652
209	10.13	34.184	2.05	-	-	-	171.8	300	9.13	34.43	.70	26.67	137.8	.727
238	9.69	34.296	1.55	-	-	-	156.5	400	7.97	34.43	.44	26.85	120.8	.863
284	9.28	34.411	.85	-	-	-	141.6	500	6.80	34.41	.36	27.00	106.4	.983
336	8.72	34.449	.51	-	-	-	130.2	600	6.20	34.45	-	27.11	95.9	1.093
417	7.77	34.421	.43	-	-	-	118.6							
498	6.82	34.405	.37	-	-	-	107.0							
581	6.28	34.443	.31	-	-	-	97.4							

130.90 CCCI CRUISE 6407 130.90

ALEXANDER AGASSIZ, JULY 20 1964, C204 GCT, 24 27N 117 19.5W, SOUNDING 2100 FM, WIND 080 FORCE 3, WEATHER CLOUDY, SEA RUGH, WIRE ANGLE 23.

C	20.40	33.833	5.49	0.35	1	0.00	412.2	0	20.40	33.83	5.49	23.79	412.4	0	
9	20.40	33.830	5.58	0.32	1	0.00	412.4	10	20.40	33.83	5.58	23.79	412.4	.041	
28	19.32	33.986	5.64	0.32	1	0.00	374.2	20	19.80	33.88	5.63	23.98	393.7	.082	
36	19.10	34.124	5.72	0.33	1	0.00	358.9	30	19.29	34.02	5.66	24.22	371.0	.120	
50	18.70	34.103	5.78	0.28	1	0.00	350.8	50	18.70	34.10	5.78	24.43	351.0	.192	
63	17.88	34.017	5.92	0.31	1	0.00	337.7	75	17.39	34.00	5.92	24.67	327.7	.278	
86	17.02	33.992	5.90	0.35	1	0.00	319.9	100	15.62	33.89	5.48	25.00	296.7	.356	
105	15.02	33.851	5.29	0.61	4	0.12	287.0	125	12.68	33.77	4.44	25.52	246.8	.425	
123	12.84	33.767	4.49	1.08	9	0.01	250.1	150	11.33	33.89	3.50	25.87	213.7	.484	
141	11.54	33.819	3.97	1.42	13	0.00	222.6	200	10.74	34.27	1.64	26.27	175.6	.583	
167	11.08	34.037	2.64	-	-	-	198.6	250	10.27	34.45	.93	26.50	154.5	.668	
199	10.75	34.263	1.65	-	-	-	176.3	300	9.64	34.46	.77	26.61	143.6	.745	
226	10.50	34.385	1.18	-	-	-	163.1	400	8.44	34.46	.47	26.80	125.3	.886	
272	10.02	34.471	.81	-	-	-	148.8	500	7.19	34.45	.39	26.98	108.6	1.011	
322	9.35	34.452	.73	-	-	-	139.6								
401	8.42	34.456	.47	-	-	-	125.3								
481	7.41	34.449	.40	-	-	-	111.6								
563	6.52	34.443	.34	-	-	-	100.4								

137.23 CCCI CRUISE 6407 137.23

ALEXANDER AGASSIZ, JULY 22 1964, 1316 GCT, 25 34N 112 19.5W, SOUNDING 40 FM, WIND 330 FORCE 2, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 02.

C	24.46	34.193	6.14	0.12	2	0.01	495.4	0	24.46	34.19	6.14	22.91	495.6	0	
1C	23.37	34.119	6.34	0.14	2	0.01	470.1	10	23.37	34.12	6.34	23.18	470.1	.048	
2C	16.56	33.840	7.39	0.08	1	0.00	320.7	20	16.56	33.84	7.39	24.75	320.7	.088	
3C	13.80	33.874	3.70	0.63	7	0.15	260.6	30	13.80	33.87	3.70	25.38	260.9	.117	
40	12.87	33.972	2.45	1.84	16	0.32	235.6	50	12.61	34.09	1.76	25.78	222.0	.166	
55	12.54	34.165	1.33	2.40	25	0.03	215.2								

137.30 CCCI CRUISE 6407 137.30

ALEXANDER AGASSIZ, JULY 22 1964, 1625 GCT, 25 19.5N 112 47W, SOUNDING 184 FM, WIND 030 FORCE 3, WEATHER CLOUDY, SEA RUGH, WIRE ANGLE 03.

0	22.82	34.026	5.67	0.47	1	0.00	461.8	0	22.82	34.03	5.67	23.27	461.5	0	
1C	21.90	33.996	5.92	0.30	1	0.00	439.2	10	21.90	34.00	5.92	23.51	438.9	.045	
3C	14.08	33.871	4.95	0.72	5	0.23	266.4	20	16.40	33.88	5.44	24.82	314.3	.083	
45	12.57	33.881	3.21	1.58	14	0.26	236.6	30	14.08	33.87	4.95	25.32	266.5	.112	
60	12.52	34.088	1.41	2.30	19	0.19	220.5	50	12.54	33.97	2.40	25.71	229.5	.162	
75	12.36	34.234	.93	2.53	25	0.10	206.8	75	12.36	34.23	.93	25.94	207.1	.217	
90	12.08	34.349	.78	2.58	28	0.04	193.2	100	11.91	34.39	.74	26.15	187.1	.266	
110	11.78	34.423	.68	2.76	30	0.02	182.4	125	11.67	34.48	.55	26.27	176.2	.313	
135	11.60	34.531	.46	2.89	32	0.03	171.2	150	11.45	34.58	.33	26.39	165.0	.356	
155	11.40	34.590	.32	2.94	34	0.02	163.4	200	10.99	34.61	.46	26.49	154.8	.438	
200	10.99	34.608	.46	-	-	-	154.9	250	10.57	34.60	.21	26.56	148.4	.516	
234	10.71	34.602	.24	-	-	-	150.6	300	10.23	34.58	.27	26.60	144.2	.593	
269	10.42	34.584	.20	-	-	-	147.1								
309	10.20	34.582	.27	-	-	-	143.6								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH									
INPUT								COMPUTED									
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
137.40								CCCFI CRUISE 6407								137.40	
ALEXANDER AGASSIZ, JULY 22 1964, 2135 GCT, 25 01N 113 24W, SOUNDING 1500 FM, WIND 270 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 22.																	
C	23.54	33.953	5.22	0.33	1	0.00	486.8	0	23.54	33.95	5.22	23.00	487.0	0			
9	21.56	33.879	5.33	0.32	1	0.00	438.7	10	19.80	33.82	5.56	23.94	398.1	.044			
28	17.56	33.764	5.95	0.33	2	0.01	348.7	20	18.25	33.78	5.84	24.30	363.6	.082			
38	16.80	33.752	6.09	0.37	2	0.01	332.5	30	17.37	33.76	6.00	24.50	344.7	.118			
51	16.15	33.777	5.97	0.38	2	0.01	316.3	50	16.20	33.78	5.98	24.78	317.2	.184			
65	15.42	33.761	5.80	0.46	2	0.04	301.9	75	14.90	33.77	5.53	25.07	290.4	.261			
88	13.86	33.776	4.82	1.03	7	0.10	269.0	100	12.80	33.82	3.84	25.54	245.4	.328			
105	12.48	33.860	3.36	1.53	14	0.03	236.5	125	12.32	34.23	1.58	25.95	206.4	.385			
123	12.37	34.219	1.63	2.28	23	0.01	208.1	150	11.41	34.34	1.27	26.21	182.0	.435			
141	11.70	34.298	1.38	2.47	26	0.01	190.2	200	10.76	34.53	.61	26.47	156.7	.522			
169	11.04	34.418	1.06	-	-	-	169.8	250	10.19	34.54	.43	26.58	146.5	.600			
200	10.76	34.526	.61	-	-	-	157.0	300	9.62	34.55	.32	26.68	136.6	.673			
229	10.40	34.532	.50	-	-	-	150.6	400	8.26	34.49	.59	26.85	120.4	.809			
273	9.98	34.556	.37	-	-	-	141.9	500	7.33	34.49	.36	26.99	107.4	.930			
325	9.26	34.527	.29	-	-	-	132.7										
402	8.24	34.485	.60	-	-	-	120.5										
485	7.50	34.491	.35	-	-	-	109.7										
567	6.60	34.461	.48	-	-	-	100.0										
137.50								CCCFI CRUISE 6407								137.50	
ALEXANDER AGASSIZ, JULY 23 1964, 0310 GCT, 24 41N 114 00.5W, SOUNDING 1930 FM, WIND 270 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 21.																	
1	22.70	33.901	5.30	0.31	0	0.01	467.5	0	22.70	33.90	5.30	23.21	467.6	0			
10	22.25	33.877	5.39	0.29	2	0.02	457.1	10	22.25	33.88	5.39	23.32	456.9	.046			
34	16.38	33.730	6.29	0.31	1	0.02	324.8	20	18.80	33.77	6.04	24.15	377.4	.088			
43	15.67	33.722	6.26	0.35	1	0.00	310.0	30	16.70	33.73	6.28	24.63	331.8	.124			
57	13.96	33.678	5.24	0.76	5	0.40	278.2	50	14.78	33.70	5.78	25.04	293.1	.186			
71	12.98	33.703	4.64	1.11	8	0.46	257.4	75	12.60	33.71	4.49	25.49	249.8	.255			
95	11.50	33.752	3.85	1.47	14	0.06	226.9	100	11.47	33.84	3.37	25.81	219.9	.314			
113	11.42	34.063	2.13	2.16	25	0.02	202.5	125	11.03	34.14	1.93	26.12	190.1	.366			
132	10.97	34.175	1.85	2.32	28	0.02	186.5	150	10.79	34.28	1.47	26.27	175.7	.412			
160	10.71	34.329	1.26	2.57	32	0.02	170.7	200	10.38	34.44	.76	26.47	157.0	.497			
187	10.52	34.418	.91	-	-	-	161.0	250	9.77	34.49	.45	26.61	143.4	.575			
224	10.06	34.474	.54	-	-	-	149.3	300	9.12	34.47	.47	26.70	134.7	.647			
251	9.76	34.494	.45	-	-	-	143.0	400	7.99	34.46	.39	26.87	118.8	.780			
298	9.14	34.474	.47	-	-	-	134.7	500	6.92	34.44	.31	27.01	105.7	.900			
358	8.42	34.460	.43	-	-	-	125.0	600	5.89	34.44	.34	27.15	92.9	1.007			
452	7.44	34.446	.36	-	-	-	112.2										
537	6.52	34.432	.29	-	-	-	101.2										
610	5.80	34.443	.35	-	-	-	91.6										
137.60								CCCFI CRUISE 6407								137.60	
ALEXANDER AGASSIZ, JULY 23 1964, 0900 GCT, 24 18.5N 114 40W, SOUNDING 2060 FM, WIND 060 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 27.																	
1	20.75	33.841	5.46	0.27	1	0.01	420.5	0	20.75	33.84	5.46	23.70	420.6	0			
10	20.56	33.840	5.49	0.27	2	0.01	415.7	10	20.56	33.84	5.49	23.75	415.7	.042			
28	18.02	33.822	5.80	0.28	1	0.01	355.2	20	18.55	33.83	5.72	24.26	367.0	.081			
36	17.45	33.772	5.94	0.30	1	0.01	345.6	30	17.92	33.82	5.82	24.41	353.0	.117			
50	16.36	33.733	6.15	0.29	1	0.00	324.1	50	16.36	33.73	6.15	24.71	324.3	.185			
63	16.01	33.727	6.22	0.30	1	0.00	317.0	75	15.10	33.71	5.84	24.98	298.9	.263			
84	14.04	33.696	5.22	0.68	5	0.17	278.4	100	12.80	33.72	4.46	25.46	252.8	.333			
102	12.58	33.727	4.31	1.17	10	0.02	248.2	125	11.02	33.90	3.14	25.94	207.7	.391			
117	11.22	33.823	3.55	1.60	17	0.01	216.8	150	10.72	34.14	2.10	26.18	184.9	.441			
135	10.83	34.051	2.44	2.04	24	0.00	193.3	200	10.42	34.40	1.19	26.43	160.6	.529			
158	10.68	34.179	1.94	-	-	-	181.3	250	9.80	34.47	.45	26.59	145.4	.608			
187	10.53	34.360	1.22	-	-	-	165.4	300	9.20	34.48	.46	26.70	135.2	.681			
212	10.28	34.423	1.16	-	-	-	156.6	400	8.00	34.44	.38	26.85	120.4	.815			
254	9.76	34.471	.40	-	-	-	144.7	500	6.83	34.43	.36	27.01	105.3	.936			
303	9.16	34.478	.47	-	-	-	134.8										
377	8.30	34.454	.40	-	-	-	123.7										
465	7.18	34.423	.37	-	-	-	110.4										
536	6.56	34.436	.36	-	-	-	101.4										

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHC	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
137.70								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 23 1964, 1413 GCT, 24 00N 115 18W, SOUNDING 2042 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA RUGH, WIRE ANGLE 26.								137.70							
1	21.81	33.852	5.35	C.30	C	0.00	447.2	0	21.81	33.85	5.35	23.42	447.4	0	
10	21.76	33.851	5.33	0.30	1	0.00	446.0	10	21.76	33.85	5.33	23.43	446.1	.045	
32	18.52	33.905	5.78	0.29	1	0.00	360.9	20	21.00	33.86	5.42	23.65	425.5	.088	
41	17.70	33.849	5.91	C.32	1	0.00	345.8	30	18.70	33.91	5.75	24.28	364.8	.128	
54	17.10	33.834	5.95	C.33	1	0.00	333.2	50	17.24	33.84	5.94	24.59	335.9	.198	
68	16.63	33.828	6.01	0.34	1	0.00	323.1	75	16.28	33.83	5.92	24.80	315.3	.280	
89	15.12	33.815	5.41	0.57	3	0.08	291.7	100	13.72	33.75	4.75	25.30	268.2	.354	
107	12.94	33.733	4.35	1.12	9	0.03	254.4	125	12.07	33.92	3.22	25.76	224.6	.416	
124	12.10	33.905	3.25	1.65	15	0.01	226.3	150	11.20	34.14	2.11	26.09	193.0	.469	
150	11.20	34.136	2.11	2.21	25	0.00	193.3	200	10.58	34.46	.87	26.45	158.9	.559	
176	10.92	34.363	1.26	-	-	-	171.8	250	9.85	34.46	.72	26.58	146.9	.638	
210	10.42	34.463	.81	-	-	-	156.0	300	9.31	34.47	.55	26.67	137.7	.712	
237	10.00	34.447	.76	-	-	-	150.3	400	8.08	34.45	.46	26.85	120.8	.848	
280	9.55	34.478	.59	-	-	-	140.8	500	6.98	34.43	.41	26.99	107.3	.969	
337	8.84	34.462	.51	-	-	-	131.1	600	6.26	34.45	-	27.11	96.6	1.079	
428	7.74	34.441	.43	-	-	-	116.7								
513	6.84	34.425	.40	-	-	-	105.8								
584	6.36	34.445	.37	-	-	-	98.2								

137.80								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 23 1964, 1900 GCT, 23 39.5N 115 59.5W, SOUNDING 2040 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA RUGH, WIRE ANGLE 30.								137.80							
1	22.45	33.962	5.22	C.31	1	0.00	456.4	0	22.45	33.96	5.22	23.32	456.5	0	
9	22.43	33.966	5.21	0.34	1	0.00	455.5	10	22.43	33.97	5.21	23.34	455.2	.046	
31	18.87	33.991	5.69	0.32	1	0.00	363.0	20	20.00	33.99	5.54	24.01	390.7	.088	
39	18.54	33.990	5.73	0.30	1	0.01	355.2	30	18.92	33.99	5.68	24.29	364.3	.126	
57	18.32	34.024	5.73	C.33	1	0.01	347.5	50	18.40	34.02	5.73	24.44	349.7	.197	
66	17.66	33.961	5.86	0.34	1	0.00	336.7	75	17.20	33.92	5.84	24.66	329.2	.283	
88	16.28	33.859	5.73	C.43	1	0.01	313.2	100	15.16	33.81	5.26	25.04	292.9	.361	
104	14.56	33.792	4.90	0.74	4	0.07	281.8	125	12.49	33.77	3.86	25.56	243.3	.429	
121	12.78	33.771	3.98	1.29	10	0.03	248.6	150	11.08	33.77	3.44	25.82	218.3	.487	
146	11.26	33.754	3.50	1.58	17	0.02	222.6	200	10.84	34.33	1.36	26.30	172.9	.587	
170	10.58	33.957	3.04	-	-	-	196.0	250	10.30	34.46	.70	26.50	154.2	.671	
203	10.86	34.349	1.23	-	-	-	171.8	300	9.36	34.45	.68	26.65	139.9	.748	
227	10.82	34.465	.78	-	-	-	162.6	400	8.03	34.44	.49	26.85	120.9	.885	
268	9.83	34.445	.69	-	-	-	147.7	500	6.93	34.39	.69	26.97	109.6	1.007	
323	9.02	34.446	.67	-	-	-	135.0								
408	7.94	34.437	.48	-	-	-	119.8								
485	7.04	34.389	.69	-	-	-	111.1								
558	6.36	34.405	.57	-	-	-	101.2								

140.30								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 24 1964, 2202 GCT, 24 45N 112 24.5W, SOUNDING 58 FM, WIND 290 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 05.								140.30							
C	21.24	34.057	5.96	0.37	2	0.02	417.5	0	21.24	34.06	5.96	23.73	417.3	0	
1C	19.16	33.908	6.21	0.28	1	0.01	376.0	10	19.16	33.91	6.21	24.17	375.9	.040	
2C	16.06	33.825	5.67	C.40	2	0.05	310.9	20	16.06	33.82	5.67	24.85	311.2	.074	
3C	13.76	33.792	3.82	1.07	7	C.43	265.9	30	13.76	33.79	3.82	25.32	266.0	.103	
5C	12.10	33.939	2.89	1.73	17	0.08	223.8	50	12.10	33.94	2.89	25.77	223.7	.152	
76	12.12	34.338	.89	2.64	29	0.16	194.8	75	12.11	34.33	.90	26.07	195.2	.205	

140.40								CCCFI CRUISE 6407							
ALEXANDER AGASSIZ, JULY 24 1964, 1641 GCT, 24 25.5N 113 02W, SOUNDING 1793 FM, WIND 310 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 19.								140.40							
C	21.16	33.848	5.53	C.23	0	0.00	430.5	0	21.16	33.85	5.53	23.60	430.4	0	
9	20.88	33.845	5.60	0.21	0	0.00	423.5	10	20.80	33.84	5.62	23.69	421.8	.043	
28	16.65	33.734	6.16	0.42	1	0.00	330.4	20	17.55	33.75	6.04	24.44	349.5	.081	
38	15.67	33.725	6.26	0.36	1	C.00	309.8	30	16.47	33.73	6.18	24.68	326.8	.115	
52	14.74	33.708	5.73	0.55	2	0.14	291.6	50	14.91	33.71	5.90	25.02	295.0	.178	
66	13.38	33.723	4.00	1.31	9	C.45	263.5	75	13.10	33.77	3.65	25.44	254.7	.247	
88	12.34	34.015	2.42	1.93	18	0.12	222.6	100	12.17	34.13	1.84	25.90	211.0	.305	
106	11.97	34.218	1.41	2.34	24	0.04	200.9	125	11.69	34.36	1.01	26.17	185.4	.356	
124	11.70	34.347	1.04	2.55	27	0.04	186.6	150	11.43	34.54	.59	26.36	167.6	.401	
142	11.52	34.503	.67	2.75	31	0.03	171.9	200	10.87	34.61	.38	26.51	152.7	.483	
170	11.20	34.585	.44	-	-	-	160.2	250	10.33	34.62	.26	26.62	142.9	.559	
202	10.86	34.606	.38	-	-	-	152.8	300	9.56	34.56	.36	26.70	134.9	.632	
229	10.57	34.624	.26	-	-	-	146.6	400	8.05	34.48	.34	26.88	118.2	.765	
274	10.00	34.593	.30	-	-	-	139.5	500	7.02	34.46	.47	27.01	105.6	.884	
325	9.12	34.532	.40	-	-	-	130.1								
404	7.99	34.470	.34	-	-	-	118.1								
485	7.14	34.451	.48	-	-	-	107.8								
569	6.58	34.481	.28	-	-	-	98.3								

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT				COMPUTED				INPUT				COMPUTED			
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
140.50							CCCFI CRUISE 6407							140.50	
ALEXANDER AGASSIZ, JULY 24 1964, 1047 GCT, 24 02N 113 41.5W, SOUNDING 1845 FM, WIND 360 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 22.															
1	22.92	33.950	5.25	0.27	0	0.00	470.0	0	22.92	33.95	5.25	23.18	470.0	0	
10	22.88	33.948	5.28	0.29	0	0.00	469.0	10	22.88	33.95	5.28	23.19	468.9	.047	
33	18.05	33.872	5.88	0.30	1	0.00	352.2	20	19.25	33.89	5.72	24.13	379.5	.089	
42	17.28	33.830	5.96	0.30	2	0.01	337.6	30	18.27	33.87	5.85	24.36	357.5	.126	
56	16.12	33.787	5.84	0.43	2	0.01	315.0	50	16.57	33.80	5.90	24.71	323.9	.195	
70	15.39	33.761	5.77	0.52	1	0.05	301.3	75	15.00	33.78	5.51	25.05	291.7	.272	
93	13.79	33.888	4.06	1.20	10	0.08	259.4	100	13.00	33.89	3.60	25.55	244.0	.340	
112	12.12	33.904	3.12	1.72	16	0.03	226.7	125	11.74	34.03	2.50	25.90	210.6	.397	
130	11.62	34.070	2.33	2.05	22	0.02	205.5	150	11.28	34.16	2.00	26.09	193.0	.448	
158	11.13	34.204	1.83	2.31	26	0.01	187.1	200	10.43	34.40	1.07	26.43	160.8	.539	
187	10.68	34.372	1.20	-	-	-	167.1	250	9.93	34.48	.64	26.58	146.7	.618	
224	10.03	34.430	.87	-	-	-	152.0	300	9.34	34.48	.63	26.68	137.4	.692	
251	9.92	34.482	.64	-	-	-	146.4	400	8.53	34.52	.25	26.84	122.2	.829	
298	9.36	34.481	.64	-	-	-	137.6	500	7.32	34.50	.26	27.00	106.6	.951	
359	9.00	34.521	.28	-	-	-	129.1	600	6.14	34.45	.37	27.12	95.1	1.060	
453	7.86	34.521	.24	-	-	-	112.4								
540	6.86	34.474	.30	-	-	-	102.4								
613	5.59	34.444	.39	-	-	-	93.8								

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
60.49-G	VII-3	2131	37°59.0'	122°50.5'	18	300°	4	overcast	moderate	10	8.80	34.021					163
60.50-G	3	2210	37°57.5'	122°53.0'	27	280°	4	overcast	moderate	10	9.83	33.994					181
60.51-G	3	2255	37°55.0'	122°57.5'	36	270°	4	overcast	moderate	10	9.84	33.995					181
60.55-G	4	0131	37°47.5'	123°15.0'	62	300°	5	overcast	very rough	10	10.10	33.865					195
63.50-G	1	0148	37°23.5'	122°28.0'	17	320°	2	overcast	moderate	10	11.36	33.880					215
63.51-G	1	0055	37°21.5'	122°32.5'	35	320°	3	overcast	moderate	10	12.71	33.839					242
67.47-G	VI-30	0530	36°54.5'	121°52.5'	10	080°	3	missing	slight	10	12.48	33.830					239
67.48-G	30	0613	36°53.0'	121°56.0'	18	080°	3	missing	slight	10	11.58	33.803					225
67.49-G	30	0702	36°50.5'	122°00.5'	44	040°	3	missing	slight	10	11.48	33.859					219
70.50-G	29	2348	36°11.5'	121°44.0'	110	300°	4	partly cloudy	slight	10	9.80	33.885					189
70.51-G	29	2307	36°10.5'	121°45.5'	200	300°	5	partly cloudy	moderate	10	10.23	33.853					198
70.52-G	29	2217	36°08.5'	121°50.0'	348	310°	5	partly cloudy	moderate	10	9.87	33.814					195
73.50-G	26	2220	35°38.0'	121°14.0'	10	300°	6	clear	moderate	10	10.24	33.790					203
73.50-G	26	2300	35°37.0'	121°17.0'	65	290°	4	clear	moderate	10	11.80	33.607					243
73.51-G	26	2350	35°35.0'	121°21.0'	206	360°	5	clear	rough	10	13.56	33.602					276
77.48-G	23	2335	35°09.0'	120°42.0'	6	230°	1	overcast	slight	10	10.80	33.930					202
77.48-G	24	0020	35°08.5'	120°43.5'	15	260°	1	overcast	slight	10	10.24	33.943					192
77.49-G	24	1300	35°06.5'	120°48.0'	35	170°	1	missing	slight	10	11.00	33.845					211
77.58-G	24	2040	34°48.5'	121°23.0'	280	-	3	fog	very rough	10	12.91	33.834					246

DATA AT NET TOW STATIONS

Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
78.55A-G	VI-23	1710	34°44.0'	121°06.5'	290	190°	1	fog	slight	10	12.75	33.794					246
78.58A-G	23	1515	34°39.0'	121°17.0'	372	-	2	fog	moderate	10	12.44	33.836					238
78.60A-G	23	1325	34°34.5'	121°27.5'	884	-	2	fog	moderate	10	13.06	33.733					257
78.62A-G	23	1150	34°28.0'	121°37.5'	2000	-	2	missing	missing	10	13.56	33.795					261
78.67A-G	23	0735	34°19.0'	121°58.0'	2030	290°	1	cloudy	moderate	10	13.43	33.770					261
78.55B-G	22	1030	34°35.5'	121°00.5'	320	220°	1	drizzle	slight	10	11.48	33.856					219
78.72B-G	22	2340	34°00.5'	122°12.5'	2112	320°	2	cloudy	rough	10	13.93	33.516					290
79.55-G	22	0430	34°27.0'	120°54.0'	392	120°	3	overcast	moderate	10	11.96	33.870					226
79.58-G	22	0245	34°22.0'	121°04.5'	760	-	3	overcast	rough	10	12.10	33.786					235
79.60-G	22	0100	34°17.0'	121°15.5'	1160	-	4	overcast	rough	10	13.26	33.619					269
80.50-G	20	1550	34°28.0'	120°29.0'	14	-	3	partly cloudy	rough	10	11.01	33.932					205
80.57-G	20	2318	34°14.0'	120°58.5'	512	300°	4	clear	rough	10	11.82	33.908					221
80.62-G	21	0400	34°04.0'	121°19.0'	1575	320°	4	overcast	rough	10	14.28	33.562					293
80.67-G	21	0750	33°53.5'	121°40.0'	1950	330°	4	overcast	moderate	10	13.71	33.552					283
81.58-G	20	0630	34°04.5'	120°52.0'	700	310°	4	cloudy	rough	10	11.80	33.880					223
81.60-G	20	0415	33°59.0'	121°02.5'	1420	330°	5	cloudy	rough	10	13.55	33.511					282
81.62-G	20	0255	33°54.0'	121°12.5'	1400	300°	7	cloudy	rough	10	13.51	33.550					278
81.67-G	19	2305	33°44.5'	121°33.5'	1890	310°	5	cloudy	rough	10	14.04	33.547					289
82.45-G	19	0030	34°20.0'	119°56.0'	242	260°	2	clear	moderate	10	12.44	33.966					228

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
82.47-B	VII-16	1805	34°15.0'	119°58.0'	300	250°	3	missing	moderate	10	12.64	33.931					235
82.58-G	VI-19	1135	33°56.0'	120°46.0'	1440	330°	4	clear	rough	10	11.80	33.790					229
82.62-G	19	1500	33°46.0'	121°06.5'	1650	310°	6	overcast	very rough	10	13.51	33.527					280
83.43A-G	18	2255	34°16.0'	119°41.0'	102	360°	2	clear	moderate	10	12.40	33.863					235
83.57A-G	18	0900	33°47.0'	120°40.0'	888	320°	6	partly cloudy	missing	10	12.57	33.605					257
83.60A-G	18	0700	33°42.5'	120°51.0'	660	320°	7	partly cloudy	missing	10	12.86	33.594					264
83.62A-G	18	0520	33°37.0'	121°01.0'	1700	320°	7	partly cloudy	missing	10	14.05	33.589					286
83.65A-G	18	0325	33°32.0'	121°12.0'	1905	360°	7	cloudy	very rough	10	14.32	33.598					291
83.39-B	VII-16	1300	34°15.5'	119°17.5'	9	260°	1	light fog	slight	10	13.54	33.835					258
83.39B-G	VI-17	0330	34°15.5'	119°17.5'	9	300°	2	partly cloudy	moderate	10	13.14a)	33.854					250
83.40-B	VII-16	1350	34°14.0'	119°22.0'	12	260°	1	fog	slight	10	13.45	33.838					257
83.40B-G	VI-17	0420	34°14.0'	119°22.0'	13	300°	3	missing	missing	10	12.94	-					
83.43-B	VII-16	1525	34°08.0'	119°34.0'	135	260°	3	missing	slight	10	15.38	33.850					295
83.51-B	16	2140	33°52.0'	120°07.5'	70	250°	6	partly cloudy	rough	10	16.22	33.915					308
83.53B-G	VI-17	1500	33°48.0'	120°16.0'	400	300°	6	partly cloudy	rough	10	12.12	33.870					229
83.55-B	VII-16	2355	33°44.0'	120°24.5'	600	320°	5	missing	rough	10	13.52b)	33.876					255
83.52B-G	VI-17	1905	33°39.0'	120°34.5'	625	320°	4	partly cloudy	rough	10	13.32	33.535					276

a) Mean value of 13.08 and 13.20°C.

b) Alternate values: temperature, 13.30°C; delta-T, 251 cl/ton.

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
83.60-B	VII-17	0220	33°34.0'	120°45.0'	1850	320°	5	clear	very rough	10	13.52	33.649					272
83.62B-G	VI-17	2305	33°29.0'	120°55.0'	1910	-	5	clear	rough	10	14.21	33.618					287
83.65-B	VII-17	0445	33°24.0'	121°05.5'	1900	300°	5	cloudy	very rough	10	12.84	33.693					256
83.70-B	17	0705	33°14.0'	121°26.0'	2000	300°	5	cloudy	very rough	10	14.44	33.367					310
83.80-B	17	1135	32°51.0'	122°06.0'	2200	300°	5	cloudy	very rough	10	16.58	33.391					354
83.90-B	17	1615	32°31.0'	122°42.5'	2000+	330°	5	overcast	very rough	10	17.12	33.498					358
84.48-G	VI-17	1045	33°49.0'	119°49.0'	380	360°	4	clear	missing	10	13.40	33.814					257
85.39-G	16	2335	33°58.0'	119°07.0'	410	300°	4	cloudy	moderate	10	16.28	33.840					315
85.43-G	16	1835	33°50.5'	119°22.5'	520	280°	2	cloudy	slight	10	14.91	33.810					287
85.49-G	16	1130	33°38.0'	119°47.5'	252	320°	2	missing	missing	10	14.18	33.823					272
85.51-G	16	0945	33°35.0'	119°55.5'	328	320°	5	missing	missing	10	13.94	33.843					265
85.53-G	16	0755	33°30.5'	120°04.0'	547	330°	6	missing	missing	10	13.81	33.850					263
87.32-B	VII-19	0150	33°55.0'	118°27.0'	8	270°	3	overcast	moderate	10	13.80	33.777					268
87.33-B	19	0105	33°54.0'	118°29.5'	27	270°	3	overcast	moderate	10	15.46	33.785					301
87.34-B	19	0025	33°52.0'	118°33.5'	37	280°	3	overcast	rough	10	15.48	33.787					302
87.35-B	18	2335	33°50.0'	118°37.5'	300	280°	3	overcast	rough	10	17.20	33.869					333
87.40-B	18	2130	33°40.0'	118°58.0'	480	280°	2	overcast	moderate	10	16.82	33.831					327
87.45-B	18	1855	33°30.0'	119°19.0'	915	300°	1	overcast	moderate	10	14.89	33.902					281
87.50-B	18	1620	33°20.0'	119°39.5'	38	300°	3	overcast	rough	10	13.46	33.918					251

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
87.55-B	VII-18	1405	33°07.5'	119°58.5'	650	320°	4	overcast	rough	10	13.84	33.877					262
87.60-B	18	1110	32°58.0'	120°20.5'	450	320°	4	drizzle	rough	10	15.10	33.564					310
87.65-B	18	0830	32°49.0'	120°40.5'	2000	320°	5	overcast	rough	10	15.50	33.551					319
87.70-B	18	0550	32°39.5'	121°02.0'	2100	340°	4	overcast	rough	10	15.06	33.278					330
87.80-B	18	0050	32°19.5'	121°43.0'	2000	340°	5	overcast	very rough	10	15.21	33.238					336
87.90-B	17	2015	31°59.5'	122°23.5'	2200	340°	5	overcast	very rough	10	16.04	33.206					356
90.28-G	12	0814	33°29.5'	117°44.5'	16	020°	2	partly cloudy	moderate	10	11.19a)	-					
90.65-G	11	0920	32°15.0'	120°18.0'	1825	300°	3	missing	rough	10	13.84	33.448					292
93.26-B	19	1105	32°57.0'	117°16.5'	20	-	1	overcast	moderate	10	14.18	33.732					279
93.27-B	19	1140	32°56.0'	117°19.0'	60	-	1	overcast	moderate	10	13.53	33.722					266
93.28-B	19	1220	32°54.5'	117°22.0'	300	-	1	overcast	moderate	10	16.26	33.773					319
93.30-B	19	1350	32°50.5'	117°31.0'	450	-	1	overcast	moderate	10	19.24	33.845					382
93.35-B	19	1605	32°40.5'	117°51.5'	250	-	1	overcast	moderate	10	17.45	33.834					341
93.40-B	19	1850	32°30.0'	118°11.5'	950	280°	3	cloudy	rough	10	17.18	33.846					334
93.45-B	19	2125	32°20.0'	118°32.0'	900	300°	6	cloudy	very rough	10	16.30	33.893					311
93.50-B	19	2350	32°10.0'	118°52.5'	900	320°	5	cloudy	very rough	10	15.36	33.914					290
93.55-B	20	0225	32°00.0'	119°13.5'	900	320°	5	overcast	very rough	10	14.12	33.854					268

a) Alternate value, 13.36°C.

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
93.60-B	VII-20	0510	31°50.0'	119°34.0'	2000+	330°	6	overcast	very rough	10	15.46	33.642					312
93.65-B	20	0725	31°40.0'	119°53.5'	2000+	330°	7	overcast	high	10	15.17	33.722					299
93.70-B	20	1000	31°30.0'	120°14.0'	2000+	330°	7	overcast	high	10	13.90	33.823					266
97.29-B	21	1210	32°17.5'	117°04.5'	27	-	1	overcast	moderate	10	14.58	33.814					281
97.29-B	21	1245	32°19.5'	117°04.0'	10	-	1	overcast	moderate	10	14.00	33.824					268
97.30-B	21	1115	32°15.5'	117°08.5'	38	-	1	overcast	moderate	10	13.80	33.924a)					257
97.32-B	21	1005	32°11.5'	117°16.5'	600	300°	2	overcast	moderate	10	15.62	33.768					305
97.35-B	21	0830	32°05.5'	117°28.5'	700	300°	3	overcast	moderate	10	17.50	33.843					342
97.40-B	21	0550	31°56.0'	117°51.0'	450	300°	3	cloudy	moderate	10	17.33	33.870					336
97.45-B	21	0310	31°46.0'	118°10.0'	700	320°	6	cloudy	very rough	10	17.38	33.871					337
97.50-B	21	0025	31°36.0'	118°31.0'	1300	330°	6	cloudy	very rough	10	16.11	33.855					310
97.55-B	20	2200	31°25.5'	118°50.5'	280	330°	6	cloudy	very rough	10	15.12	33.505					314
97.60-B	20	1920	31°15.5'	119°11.0'	1300	330°	6	cloudy	very rough	10	16.82	33.629					342
97.65-B	20	1650	31°05.0'	119°30.5'	1930	330°	6	cloudy	very rough	10	16.54	33.566					340
97.70-B	20	1425	30°55.5'	119°52.0'	1950	330°	5	overcast	very rough	10	15.78	33.506					328
100.29-G	14	0500	31°42.0'	116°43.5'	60	-	1	light fog	moderate	10	11.36	33.863					216
100.45-G	14	1530	31°08.5'	117°47.5'	850	320°	3	overcast	rough	10	16.84	33.845					327

a) Possible evaporation.

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δ _T cl/ton
100.55-G	VII-14	2100	30°50.0'	118°28.0'	1400	320°	4	overcast	rough	10	16.82	33.563					347
100.65-G	15	0220	30°30.0'	119°07.5'	2085	360°	5	overcast	rough	10	16.92	33.620					345
103.28-B	24	0540	31°08.0'	116°19.0'	9	270°	2	cloudy	moderate	10	12.52	33.763					244
103.29-B	24	0620	31°07.5'	116°21.0'	18	270°	2	cloudy	moderate	10	12.42	33.773					242
103.30-B	24	0700	31°05.5'	116°24.5'	37	290°	2	cloudy	moderate	10	14.08	33.744					276
103.35-B	24	0925	30°55.5'	116°45.0'	1000	300°	3	cloudy	rough	10	17.39	33.798					343
103.40-B	24	1150	30°45.5'	117°05.5'	900	300°	3	cloudy	rough	10	17.44	33.791					344
103.45-B	24	1425	30°37.0'	117°24.0'	1200	320°	3	cloudy	rough	10	17.76	33.770					353
103.50-B	24	1650	30°27.5'	117°45.0'	1310	320°	4	overcast	rough	10	16.91	33.730					336
103.55-B	24	1920	30°19.0'	118°05.0'	1100	320°	3	overcast	rough	10	16.34	33.795					319
103.60-B	24	2150	30°08.0'	118°25.5'	1800	320°	4	overcast	rough	10	16.54	33.759					326
103.65-B	25	0025	29°56.0'	118°45.0'	1900	320°	3	cloudy	rough	10	16.80	33.617					343
103.70-B	25	0320	29°46.0'	119°03.5'	1900	320	3	cloudy	rough	10	17.06	33.653					345
103.80-B	25	0755	29°25.0'	119°42.0'	2100	320°	3	cloudy	rough	10	17.05	33.602					349
103.90-B	25	1225	29°04.0'	120°19.0'	2000	300°	3	overcast	rough	10	17.34	33.483					364
106.40-B	26	1650	30°17.0'	116°46.5'	1500	330°	2	cloudy	moderate	10	17.40	33.716					349
107.30-B	26	2320	30°30.0'	116°03.5'	8	350°	3	partly cloudy	moderate	10	12.98	33.774					252

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
107.31-B	VII-26	2225	30°28.0'	116°07.0'	25	280°	2	partly cloudy	moderate	10	13.24a)	33.739					260
107.32-B	26	2140	30°26.0'	116°11.0'	260	300°	3	partly cloudy	moderate	10	14.90	33.750					292
107.35-B	26	1950	30°20.5'	116°23.0'	800	280°	3	cloudy	moderate	10	17.97	33.748					359
107.45-B	26	1425	30°02.5'	117°04.0'	900	340°	2	cloudy	moderate	10	17.69	33.650					360
107.50-B	26	1150	29°50.5'	117°23.5'	1200	340°	2	overcast	moderate	10	17.60	33.600					361
107.55-B	26	0920	29°41.0'	117°42.0'	1700	340°	2	overcast	moderate	10	17.68	33.608					363
107.60-B	26	0650	29°31.0'	118°01.5'	1900	340°	2	overcast	moderate	10	17.79	33.614					365
107.65-B	26	0425	29°21.5'	118°21.0'	1500	330°	2	cloudy	moderate	10	17.86	33.634					365
107.70-B	26	0155	29°10.5'	118°40.0'	1700	340°	2	cloudy	moderate	10	17.65	33.547					367
107.80-B	25	2105	28°49.0'	119°20.5'	2000	350°	3	overcast	rough	10	18.50	33.737					373
107.90-B	25	1645	28°30.0'	119°55.5'	2100	320°	3	overcast	rough	10	18.90	33.826					376
110.32-G	17	1000	29°52.0'	115°47.5'	-	-	-	missing	missing	10	12.18	33.785					236
110.45-G	17	0206	29°26.5'	116°39.0'	524	080°	3	overcast	moderate	10	17.38	33.578					358
110.55-G	16	2033	29°07.0'	117°19.0'	1804	350°	3	fog	rough	10	18.02	33.758					360
110.65-G	16	1450	28°46.5'	117°58.0'	1900	020°	4	overcast	rough	10	17.52	33.741					349
113.28-B	27	0845	29°25.0'	115°11.5'	9	280°	2	clear	moderate	10	12.25	33.763					240
113.29-B	27	0915	29°24.0'	115°13.0'	13	280°	3	clear	moderate	10	12.20	33.754					239

a) Alternate values: temperature, 13.46°C; delta-T, 264 cl/ton.

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P μg at/L	SiO ₃ -Si μg at/L	NO ₂ -N μg at/L	δT cl/ton
113.30-B	VII-27	1000	29°22.0'	115°18.0'	34	280°	4	clear	moderate	10	15.30	33.752					300
113.35-B	27	1220	29°12.0'	115°38.0'	650	290°	3	clear	rough	10	16.38	33.741					324
113.40-B	27	1450	29°02.0'	115°55.0'	900	300°	4	cloudy	rough	10	17.74	33.694					358
113.45-B	27	1730	28°48.5'	116°18.0'	1300	320°	5	cloudy	rough	10	18.04	33.607					371
113.50-B	27	1940	28°39.0'	116°36.0'	2300	320°	4	partly cloudy	moderate	10	18.15	33.611					373
113.55-B	27	2210	28°33.0'	116°59.5'	1800	340°	4	partly cloudy	rough	10	17.71	33.664					359
113.60-B	28	0015	28°24.0'	117°19.0'	2000	340°	4	cloudy	rough	10	19.24	33.861					381
113.65-B	28	0210	28°16.0'	117°36.0'	2050	320°	3	cloudy	rough	10	18.93	33.841					375
113.70-B	28	0440	28°04.5'	117°56.5'	1700	320°	3	cloudy	rough	10	19.24	33.863					381
113.80-B	28	0905	27°41.5'	118°31.5'	2000	350°	3	partly cloudy	moderate	10	18.77	33.844					371
114.89-B	28	1325	27°19.0'	119°07.0'	2000	350°	3	cloudy	moderate	10	19.08	33.795					383
117.25-B	30	0505	28°58.0'	114°37.0'	31	270°	4	fog	moderate	10	15.76	33.751					310
117.25-B	30	0550	28°58.5'	114°36.5'	10	270°	4	fog	moderate	10	15.06	33.751					295
117.26-B	30	0420	28°56.0'	114°41.5'	42	270°	3	missing	moderate	10	14.66	33.747					287
117.30-B	30	0225	28°48.0'	114°56.5'	60	320°	4	overcast	moderate	10	15.57	33.685					311
117.35-B	29	2350	28°38.0'	115°16.0'	100	320°	4	overcast	rough	10	17.66	33.753					352
117.40-B	29	1915	28°28.0'	115°35.5'	500	330°	3	missing	rough	10	17.76	33.724					356
117.45-B	29	1605	28°18.0'	115°56.0'	1700	340°	5	cloudy	rough	10	18.60	33.774					372
117.50-B	29	1320	28°07.0'	116°14.5'	2000	340°	5	cloudy	rough	10	18.76	33.801					374

DATA AT NET TOW STATIONS

Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δT cl/ton
117.55-B	VII-29	1030	27°57.5'	116°34.5'	2100	340° 5	overcast	rough	10	19.58	33.875					389
117.60-B	29	0750	27°48.0'	116°53.0'	1700	340° 5	overcast	rough	10	19.48	33.851					388
117.65-B	29	0510	27°37.5'	117°13.5'	1900	320° 5	missing	rough	10	19.34	33.852					384
117.70-B	29	0230	27°26.5'	117°35.0'	2050	340° 5	cloudy	rough	10	18.48	33.593					383
117.80-B	28	2125	27°08.0'	118°15.0'	2300	340° 4	cloudy	rough	10	19.02	33.744					384
117.90-B	28	1705	26°48.0'	118°48.0'	2050	340° 4	cloudy	rough	10	18.64	33.644					383
118.39-B	29	2110	28°18.5'	115°23.5'	150	320° 3	overcast	moderate	10	16.18	33.708					322
120.22-B	30	1025	28°28.0'	114°04.0'	9	270° 4	partly cloudy	moderate	10	17.58	33.767					349
120.23-B	30	1110	28°26.0'	114°06.5'	15	270° 4	partly cloudy	moderate	10	18.04	33.773					360
120.24-B	30	1155	28°24.0'	114°10.5'	20	270° 3	cloudy	moderate	10	17.94	33.759					358
120.25-B	30	1230	28°22.5'	114°15.0'	28	270° 3	cloudy	moderate	10	17.83	33.765					355
120.30-B	30	1450	28°13.0'	114°34.0'	48	310 3	missing	moderate	10	17.28	33.762					343
120.35-B	30	1710	28°03.0'	114°54.0'	47	340° 4	partly cloudy	rough	10	18.38	33.796					365
120.40-B	30	1915	27°56.5'	115°14.0'	25	var 1	partly cloudy	moderate	10	15.10	33.800					293
120.55-G	18	2120	27°24.0'	116°18.0'	2046	320° 4	partly cloudy	rough	10	19.05	33.870					376
120.65-G	19	0205	26°58.5'	116°50.0'	2170	060° 4	partly cloudy	rough	10	18.34	33.658					373
123.36-B	31	0205	27°26.0'	114°36.0'	25	270° 2	partly cloudy	moderate	10	17.32	33.695					348
123.37-B	31	0245	27°24.0'	114°40.0'	36	270° 2	partly cloudy	moderate	10	16.22	33.658					326
123.42-B	31	0535	27°14.0'	114°59.0'	800	320° 4	partly cloudy	rough	10	18.58	33.797					370

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P µg at/L	SiO ₃ -Si µg at/L	NO ₂ -N µg at/L	δ _T cl/ton
123.45-B	VII-31	0710	27°08.0'	115°11.5'	2200	320°	4	cloudy	rough	10	18.92	33.814					397
123.50-B	31	0935	26°58.0'	115°30.5'	2000	320°	4	cloudy	rough	10	19.35	33.813					388
123.55-B	31	1200	26°47.5'	115°49.5'	2000	320°	4	cloudy	rough	10	19.42	33.835					388
123.60-B	31	1420	26°38.5'	116°09.0'	2050	320°	4	cloudy	rough	10	19.38	33.803					389
123.65-B	31	1640	26°30.0'	116°28.5'	2050	320°	4	overcast	rough	10	19.46	33.765					394
123.70-B	31	1855	26°20.0'	116°48.0'	1950	320°	4	cloudy	rough	10	19.44	33.752					394
123.80-B	31	2320	26°01.5'	117°26.0'	2000	330°	3	cloudy	rough	10	19.67	33.714					402
124.36-B	31	0120	27°24.0'	114°32.0'	10	270°	2	partly cloudy	moderate	10	17.88	33.720					360
127.33-B	VIII-2	0335	26°57.5'	114°02.0'	35	-	1	missing	moderate	10	18.68	33.921					364
127.33-B	2	0410	26°58.5'	114°00.5'	10	-	1	missing	moderate	10	18.78	33.901					367
127.34-B	2	0245	26°55.5'	114°06.5'	42	270°	2	missing	moderate	10	19.19	33.793					385
127.40-B	1	2330	26°42.5'	114°29.0'	1800	270°	3	cloudy	moderate	10	21.02	33.911					422
127.45-B	1	2100	26°34.5'	114°50.0'	1900	300°	2	cloudy	moderate	10	20.73	33.887					416
127.50-B	1	1830	26°24.5'	115°08.0'	2100	340°	3	cloudy	moderate	10	19.51	33.812					391
127.55-B	1	1610	26°13.5'	115°27.0'	1950	340°	2	cloudy	moderate	10	18.75	33.797					375
127.60-B	1	1350	26°03.5'	115°46.5'	2000	340°	2	drizzle	moderate	10	18.88	33.770					379
127.65-B	1	1120	25°54.0'	116°05.5'	2000	330°	3	cloudy	moderate	10	19.45	33.733					396
127.70-B	1	0840	25°44.0'	116°24.5'	2000	330°	3	overcast	rough	10	20.18	33.808					408
127.80-B	1	0350	25°24.0'	117°02.5'	2100	330°	2	cloudy	rough	10	20.42	33.803					415

DATA AT NET TOW STATIONS																	
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	Z m	T °C	S ‰	O ₂ ml/L	PO ₄ -P μg at/L	SiO ₃ -Si μg at/L	NO ₂ -N μg at/L	δT cl/ton
130.25-G	VII-21	1155	26°38.5'	113°11.5'	10	210°	2	cloudy	moderate	10	14.22	34.115					251
130.28-G	21	1107	26°33.0'	113°21.0'	-	-	-	missing	missing	10	19.98	34.122					380
130.35-G	21	0727	26°24.0'	113°48.5'	120	270°	2	missing	moderate	10	19.23	33.794					386
130.45-G	21	0220	26°03.0'	114°26.5'	1878	360°	3	overcast	rough	10	20.27	33.874					406
130.55-G	20	2015	25°42.0'	115°07.0'	2180	050°	2	overcast	rough	10	20.43	33.856					411
133.20-B	VIII-2	1510	26°13.5'	112°26.0'	9	-	1	cloudy	slight	10	21.72	34.029					432
133.21-B	2	1605	26°13.0'	112°32.5'	26	290°	3	cloudy	moderate	10	21.23	34.038					419
133.23-B	2	1710	26°08.5'	112°40.0'	40	300°	3	cloudy	moderate	10	19.38	33.992					375
133.25-B	2	1810	26°05.0'	112°48.5'	45	300°	3	cloudy	moderate	10	19.86	34.062					382
133.30-B	2	2100	25°54.5'	113°07.5'	100	300°	3	cloudy	moderate	10	20.10	33.782					409
133.35-B	3	0410	25°44.5'	113°26.5'	400	270°	4	cloudy	rough	10	20.14	33.764					410
133.40-B	3	0640	25°34.5'	113°45.5'	900	270°	3	cloudy	rough	10	18.58	33.652					381
133.45-B	3	0915	25°22.0'	114°04.5'	2000	300°	4	cloudy	rough	10	20.84	33.836					423
133.50-B	3	1140	25°09.5'	114°23.5'	2000	320°	4	cloudy	rough	10	22.18	33.875					455
133.70-B	3	2155	24°35.0'	115°43.5'	2000	320°	4	cloudy	rough	10	21.46	33.907					434
133.80-B	4	0155	24°14.5'	116°17.0'	2100	330°	3	cloudy	rough	10	21.54	33.971					431
134.56-B	3	1405	24°56.5'	114°43.0'	2000	320°	4	cloudy	rough	10	22.44	33.956					457
134.61-B	3	1640	24°44.0'	115°02.0'	2150	320°	4	cloudy	rough	10	20.96	33.858					425
134.66-B	3	1900	24°33.5'	115°20.0'	2200	340°	4	cloudy	rough	10	20.62	33.831					418

DATA AT NET TOW STATIONS																	
Station	Date	Time	Latitude	Longitude	Sounding	Wind	Weather	Sea	Z	T	S	O ₂	PO ₄ -P	SiO ₃ -Si	NO ₂ -N	δT	
		GCT	North	West	(fm)	Dir	Force		m	°C	‰	ml/L	µg at/L	µg at/L	µg at/L	cl/ton	
137.20-G	VII-22	1045	25°40.0'	112°07.0'	4	290°	2	partly cloudy	slight	10	25.31	34.327				510	
137.21-G	22	1130	25°38.5'	112°11.0'	13	300°	4	cloudy	slight	10	25.20	34.251				513	
137.22-G	22	1211	25°36.0'	112°14.5'	25	300°	3	partly cloudy	slight	10	20.61a)	33.948				409	
137.35-G	22	1903	25°10.0'	113°05.0'	768	100°	3	partly cloudy	rough	10	20.12	33.836				405	
137.45-G	23	0004	24°50.5'	113°42.0'	1885	270°	4	partly cloudy	very rough	10	21.80	33.872				446	
137.55-G	23	0612	24°29.5'	114°21.0'	2040	320°	4	cloudy	very rough	10	21.26	33.855				433	
140.29-G	24	2245	24°47.5'	112°20.5'	34	290°	2	partly cloudy	moderate	10	17.80	33.885				345	
140.35-G	24	1930	24°35.0'	112°43.0'	560	350°	3	partly cloudy	rough	10	23.33	33.982				479	
140.45-G	24	1400	24°15.5'	113°21.0'	1830	330°	3	cloudy	moderate	10	22.84	33.943				468	

a) Mean value of 20.53 and 20.69°C.

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