UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

Physical and Chemical Data

CalCOFI Cruise 6601
12 January - 7 February

CalCOFI Cruise 6602
15 February - 6 March

CalCOFI Cruise 6604
26 March - 3 May

CalCOFI Cruise 6605
5-29 May

Special Cruise 6605
11-14 May

and

CalCOFI Cruise 6606
12 June - 1 July

SIO Reference 68-3

UNIVERSITY OF CALIFORNIA

SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6601
12 January - 7 February

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CalCOFI Cruise 6605
5-29 May

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and

CalCOFI Cruise 6606
12 June - 1 July

Sponsored by

Marine Research Committee

SIO Reference 68-3

Approved for distribution:

W. A. Nierenberg

W. A. Nierenberg, Director

CONTENTS

INTRODUCTION

The data in this report were collected on Cruises 6601, 6602, 6604, 6605 and 6606 of the California Cooperative Fisheries Investigations (CalCOFI) program by the RV David Starr Jordan of the Bureau of Commercial Fisheries, the RV Alaska of the California Fish and Game Department and the RV Alexander Agassiz of the Scripps Institution of Oceanography. The RV Alexander Agassiz participated in Cruises 6601, 6602, 6604 and Special Cruise 6605; RV David Starr Jordan, in 6601, 6605 and 6606; and the RV Alaska, in 6604 only. The first two figures in this cruise-numbering system represent the year of the cruise; the last two figures, the month. The cruises preceding this one in the series are 6504 and 6505 (El Golfo II), both of which appear in Scripps Institution report, SIO Ref. 67-16; and 6507 and 6509, which appear in SIO Ref. 67-17.

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.

TABULATED DATA

On Cruises 6601 and 6604 the Nansen-bottle-cast data are tabulated at observed depths; the values at standard depths are computer interpolations according to a modified Rattray technique[1/], except that some property values at standard depths have been determined from consideration of other information such as bathythermograph traces and adjacent stations. These property values were entered in the "observed" columns to prevent instabilities or to indicate features not covered by the hydrographic cast. The values are indicated by notations (see FOOTNOTES).

On Cruises 6602, 6605 and 6606 only 10-meter temperature and salinity values were collected.

For the few Nansen-bottle casts made by the Agassiz on Special Cruise 6605, the property values at standard depths were read from property curves before the computations were made.

The Salinity-Temperature-Depth Recorder was not used on any of the cruises in this report.

[1/] Rattray, Maurice (1962). Interpolation errors and oceanographic sampling. Deep-Sea Res. 9: 25-37.

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

STANDARD PROCEDURES

The observed data have been plotted and then evaluated using the method described by Klein.[2] This involves consideration of their variation as functions of density or depth and their relation to each other and comparison with concurrent bathythermograph observations and with previous or adjacent observations. 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 ±0.004‰ salinity at the 95 per cent probability level, and a probable accuracy of ±0.01‰ salinity or better at the same level of probability."[3] The values are recorded to two decimal places when 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 than those obtained by manual titration.

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[2] Klein, Hans T. A new technique for processing physical oceanographic data. MS.

[3] Quotation from Department of Oceanography, University of Washington, Tech. Rep. No. 66, UW Ref. 60-18, October 1960.

A hyphen is used to indicate a missing observed value. The time is the time of messenger release. When more than one bottle cast was made on station, messenger times and wire angles are given in order of increasing depth, and a significant change in position during a multiple cast is listed similarly. Multiple casts are indicated by a letter following all observed depths of each cast except the cast originating at the surface. Footnotes corresponding to each letter explain the type of cast.

On stations where more than one cast was lowered, slight discrepancies in the property values may be noted. These may be caused by changes in geographical position, real changes with time, slight errors in measurement or a combination of these factors. Values at standard depths in the area of these discrepancies may be determined from reconciliation of the plotted observed values and entered in the "observed" columns with notations.

FOOTNOTES

In addition to footnotes, three special notations are used without footnotes because their meaning is always the same.

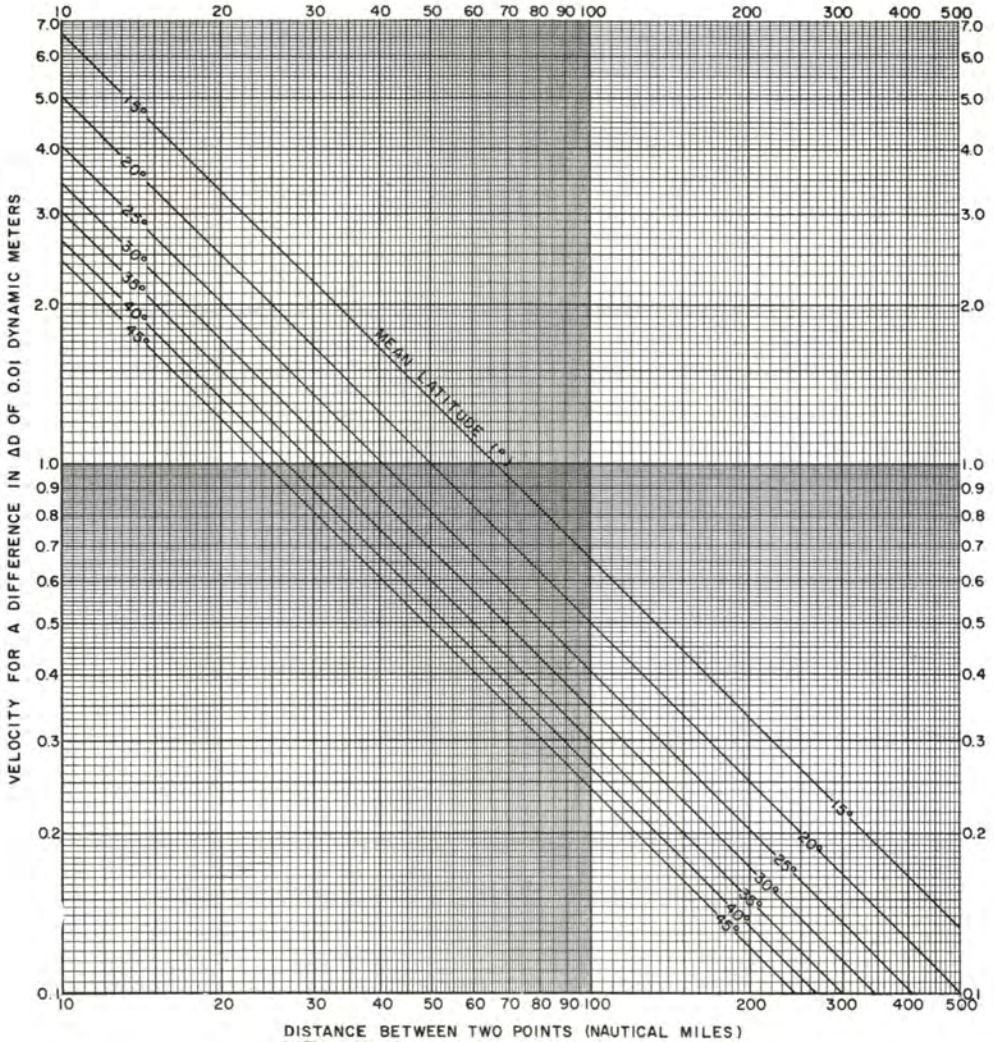
Values which are not used in interpolation because they seem to be in error without apparent reason are indicated by the following notation.

u: uncertain value

Values at standard levels of depth entered in the observed columns to limit machine interpolations may have either of the following notations.

k: a value determined from another measurement such as a bathythermogram or STD recording.

g: a value determined from considerations such as stability or previous or surrounding stations.



VELOCITY OF GEOSTROPHIC FLOW
(NAUTICAL MILES PER DAY)

cm/sec	0	1	2	3	4	5	6	7	8	9
0	KNOTS / NM/DAY	0.02 / 0.47	0.04 / 0.93	0.06 / 1.40	0.08 / 1.86	0.10 / 2.33	0.12 / 2.80	0.14 / 3.26	0.16 / 3.73	0.17 / 4.20
10	0.19 / 4.66	0.21 / 5.13	0.23 / 5.59	0.25 / 6.06	0.27 / 6.53	0.29 / 6.99	0.31 / 7.46	0.33 / 7.93	0.35 / 8.39	0.37 / 8.86
20	0.39 / 9.32	0.41 / 9.79	0.43 / 10.26	0.45 / 10.72	0.47 / 11.19	0.49 / 11.66	0.51 / 12.12	0.52 / 12.59	0.54 / 13.05	0.56 / 13.52
30	0.58 / 13.99	0.60 / 14.45	0.62 / 14.92	0.64 / 15.38	0.66 / 15.85	0.68 / 16.32	0.70 / 16.78	0.72 / 17.25	0.74 / 17.72	0.76 / 18.18
40	0.78 / 18.65	0.80 / 19.11	0.82 / 19.58	0.84 / 20.05	0.85 / 20.51	0.87 / 20.98	0.89 / 21.45	0.91 / 21.91	0.93 / 22.38	0.95 / 22.84
50	0.97 / 23.31	0.99 / 23.78	1.01 / 24.24	1.03 / 24.71	1.05 / 25.17	1.07 / 25.64	1.09 / 26.11	1.11 / 26.57	1.13 / 27.04	1.15 / 27.51
60	1.17 / 27.98	1.18 / 28.44	1.20 / 28.90	1.22 / 29.37	1.24 / 29.84	1.26 / 30.30	1.28 / 30.77	1.30 / 31.24	1.32 / 31.70	1.34 / 32.17
70	1.36 / 32.63	1.38 / 33.10	1.40 / 33.57	1.42 / 34.03	1.44 / 34.50	1.46 / 34.96	1.48 / 35.43	1.50 / 35.90	1.52 / 36.36	1.53 / 36.83
80	1.55 / 37.30	1.57 / 37.76	1.59 / 38.23	1.61 / 38.69	1.63 / 39.16	1.65 / 39.63	1.67 / 40.09	1.69 / 40.56	1.71 / 41.03	1.73 / 41.49
90	1.75 / 41.96	1.77 / 42.42	1.79 / 42.89	1.81 / 43.36	1.83 / 43.82	1.85 / 44.29	1.86 / 44.76	1.88 / 45.22	1.90 / 45.69	1.92 / 46.15
100	1.94 / 46.62	1.96 / 47.09	1.98 / 47.55	2.00 / 48.02	2.02 / 48.48	2.04 / 48.95	2.06 / 49.42	2.08 / 49.88	2.10 / 50.35	2.12 / 50.82

CONVERSION TABLE
(CENTIMETERS / SECOND – KNOTS – NAUTICAL MILES / DAY)

1 cm/sec = 0.019 kts = 0.466 NAUTICAL MILES / DAY
1 kt = 24 NAUTICAL MILES / DAY = 51.48 cm/sec
1 NAUTICAL MILE / DAY = 0.042 kts = 2.14 cm/sec

FIGURES
Cruise 6601

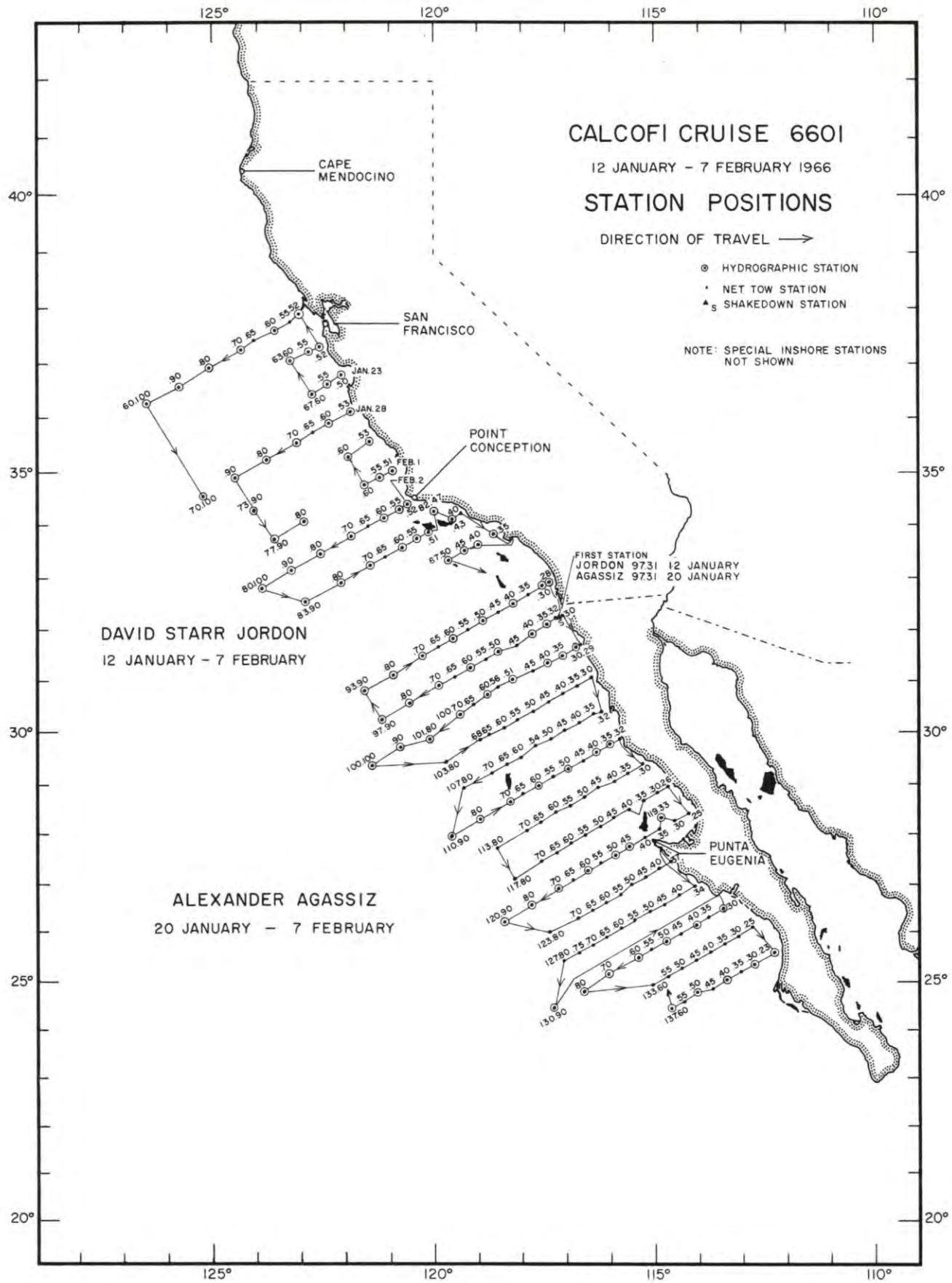

CALCOFI CRUISE 6601
12 JANUARY - 7 FEBRUARY 1966
STATION POSITIONS
DIRECTION OF TRAVEL
HYDROGRAPHIC STATION
NET TOW STATION
SHAKEDOWN STATION
NOTE: SPECIAL INSHORE STATIONS NOT SHOWN
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
PUNTA EUGENIA
FIRST STATION
JORDON 9731 12 JANUARY
AGASSIZ 9731 20 JANUARY
DAVID STARR JORDON
12 JANUARY - 7 FEBRUARY
ALEXANDER AGASSIZ
20 JANUARY - 7 FEBRUARY
JAN. 23
JAN. 28
FEB. 1
FEB. 2
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 1

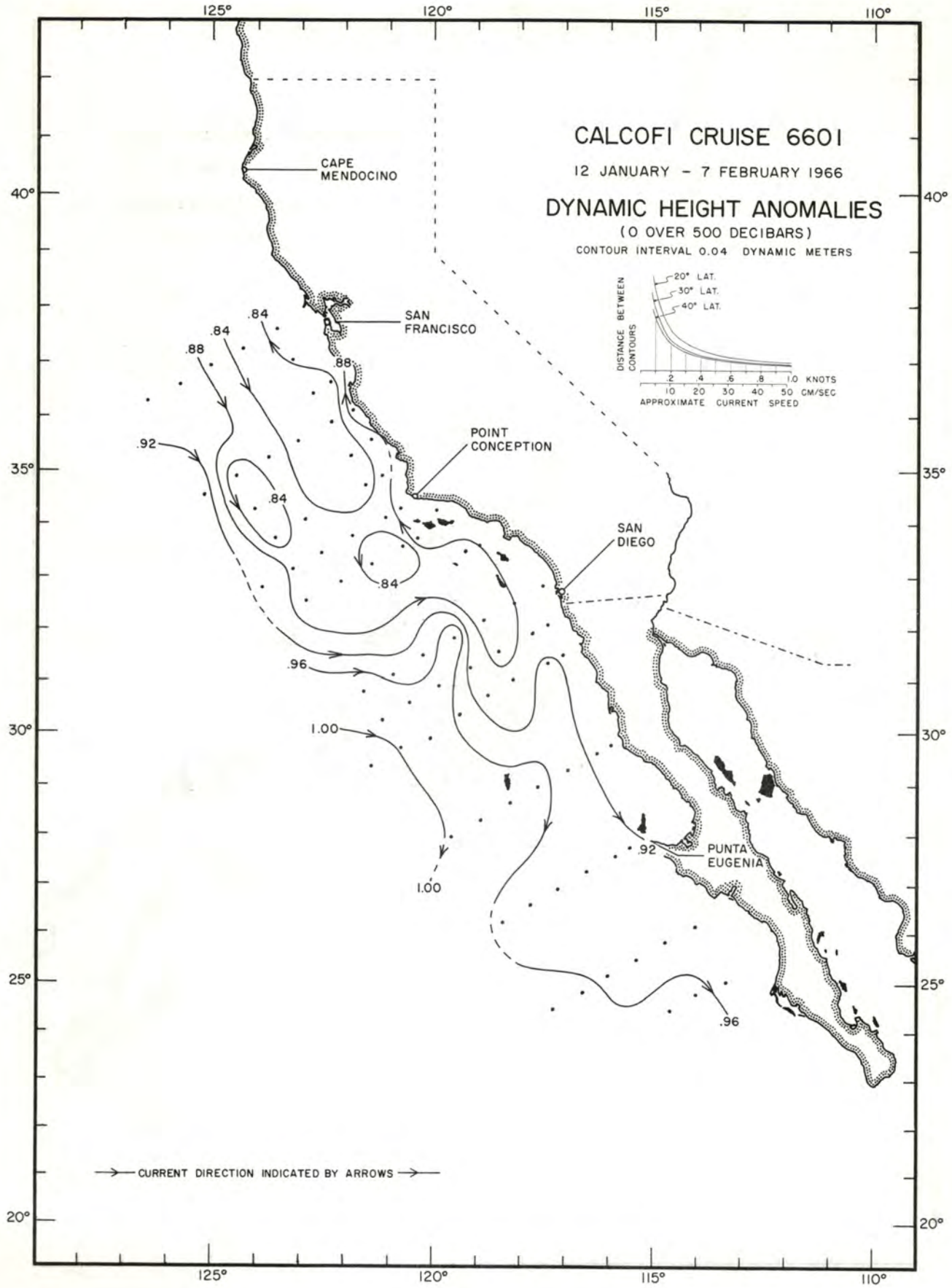

CALCOFI CRUISE 6601
12 JANUARY - 7 FEBRUARY 1966
DYNAMIC HEIGHT ANOMALIES
(0 OVER 500 DECIBARS)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
20° LAT.
30° LAT.
40° LAT.
DISTANCE BETWEEN CONTOURS
.2 .4 .6 .8 1.0 KNOTS
10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
.84
.84
.88
.88
.92
.84
.84
.96
1.00
1.00
.92
.96
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 2

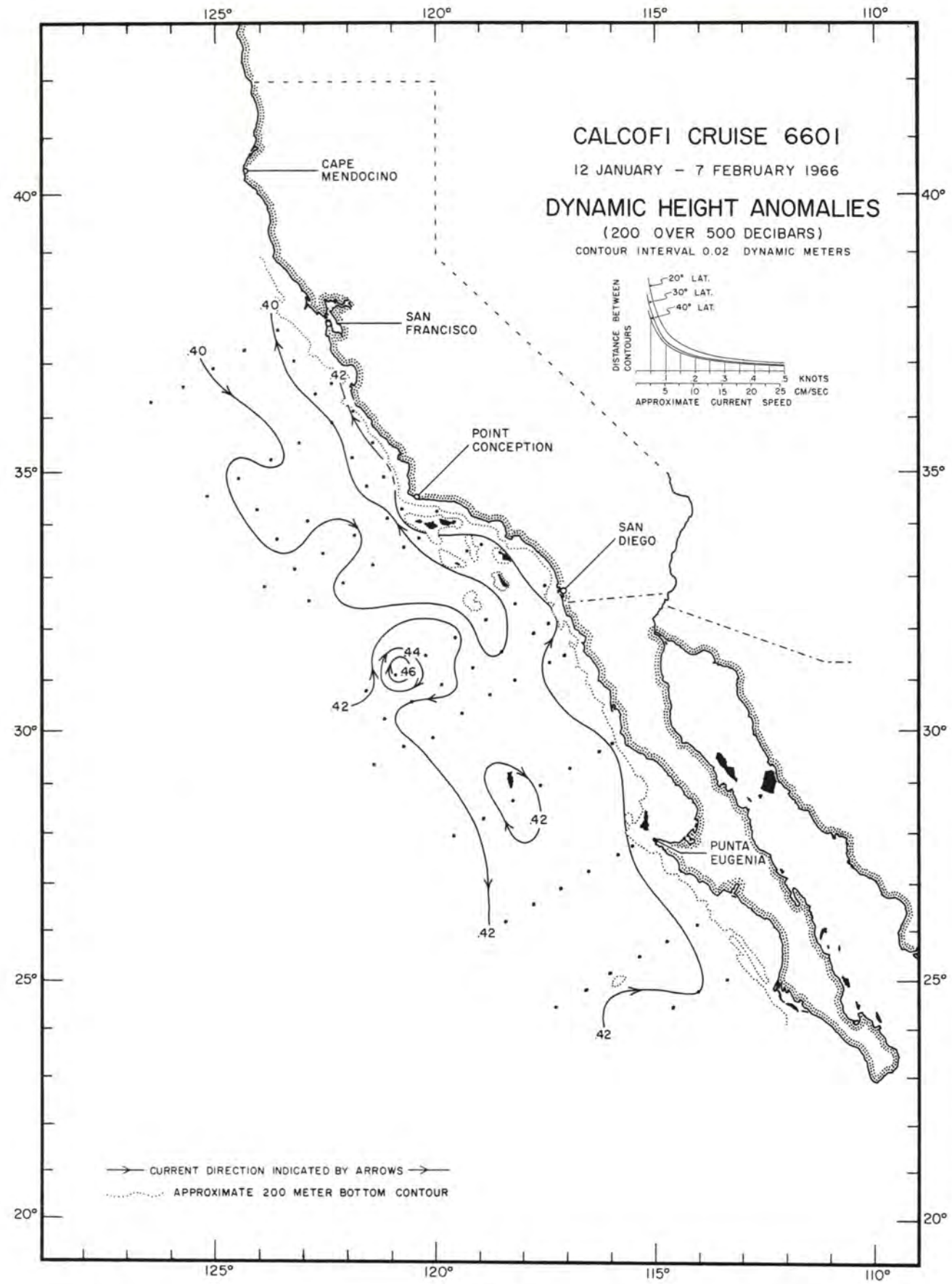

CALCOFI CRUISE 6601
12 JANUARY – 7 FEBRUARY 1966
DYNAMIC HEIGHT ANOMALIES
(200 OVER 500 DECIBARS)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
20° LAT.
30° LAT.
40° LAT.
DISTANCE BETWEEN CONTOURS
KNOTS
CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°
.40
.42
.44
.46
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR

FIGURE 3

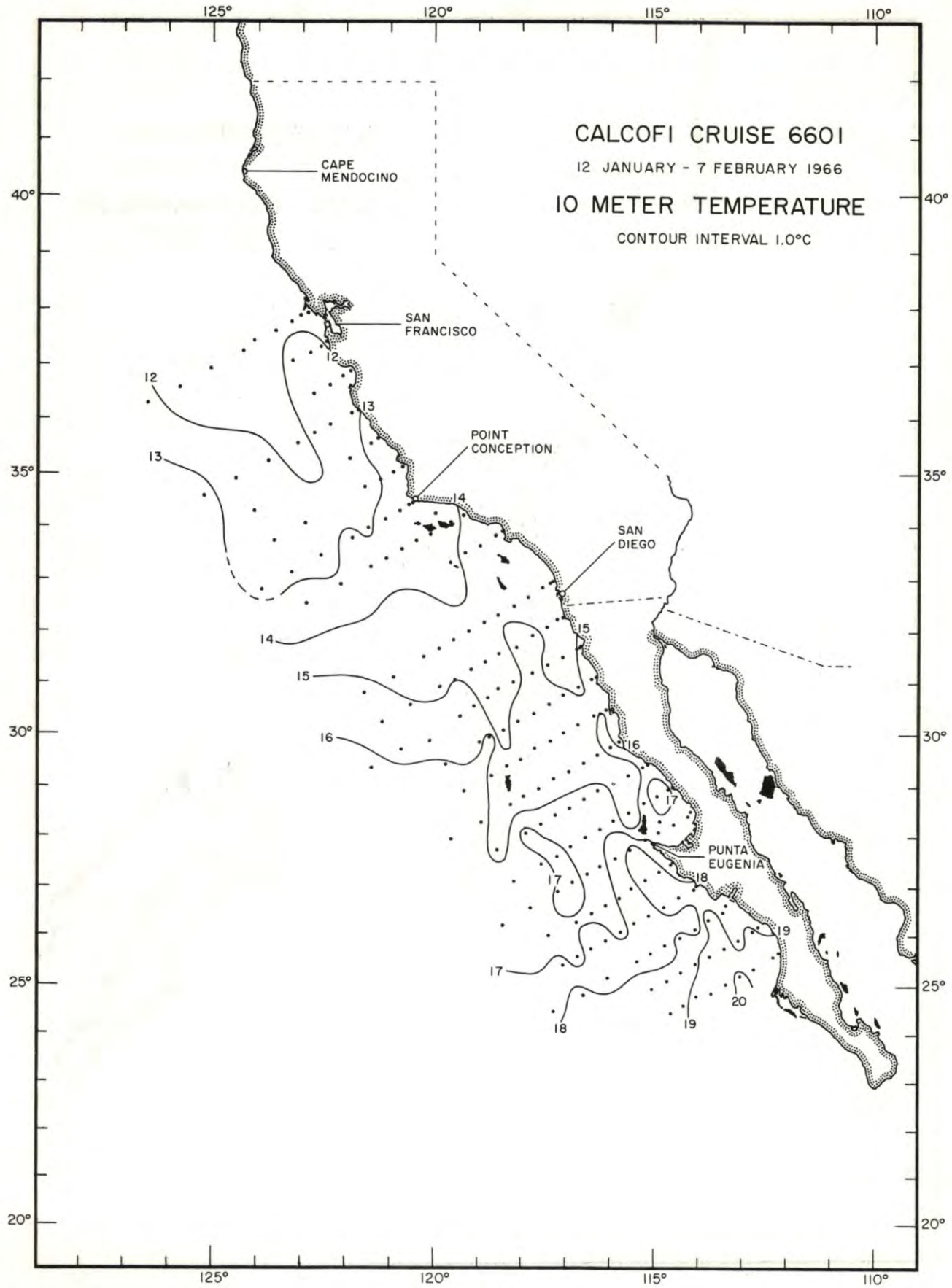

CALCOFI CRUISE 6601
12 JANUARY - 7 FEBRUARY 1966
10 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 4

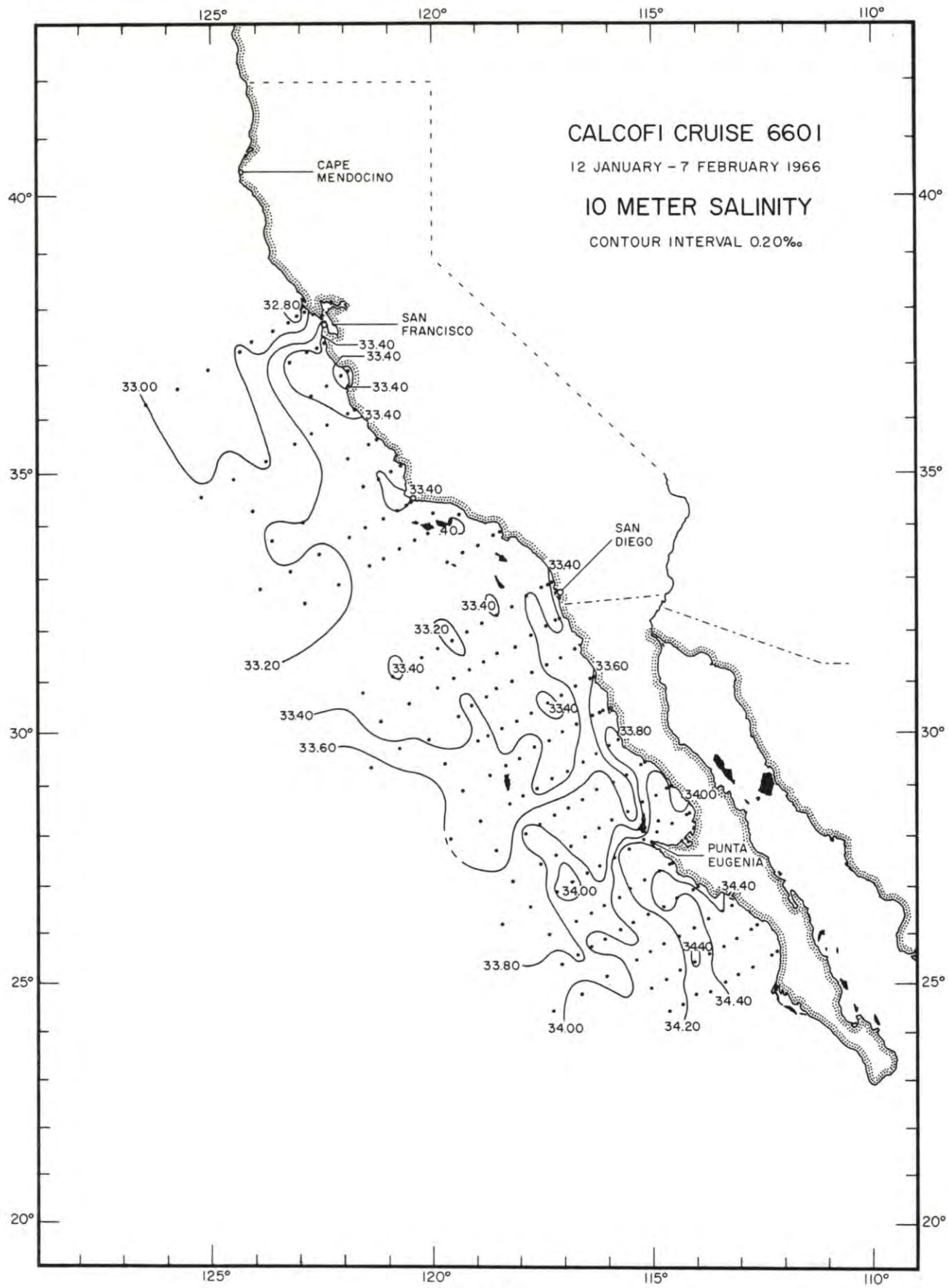

CALCOFI CRUISE 6601
12 JANUARY - 7 FEBRUARY 1966
10 METER SALINITY
CONTOUR INTERVAL 0.20‰
CAPE MENDOCINO
SAN FRANCISCO
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°
32.80
33.40
33.40
33.40
33.40
33.00
33.40
.40
33.40
33.40
33.20
33.20
33.40
33.60
33.40
33.40
33.80
33.60
34.00
34.00
34.40
34.40
33.80
34.40
34.00
34.20

FIGURE 5

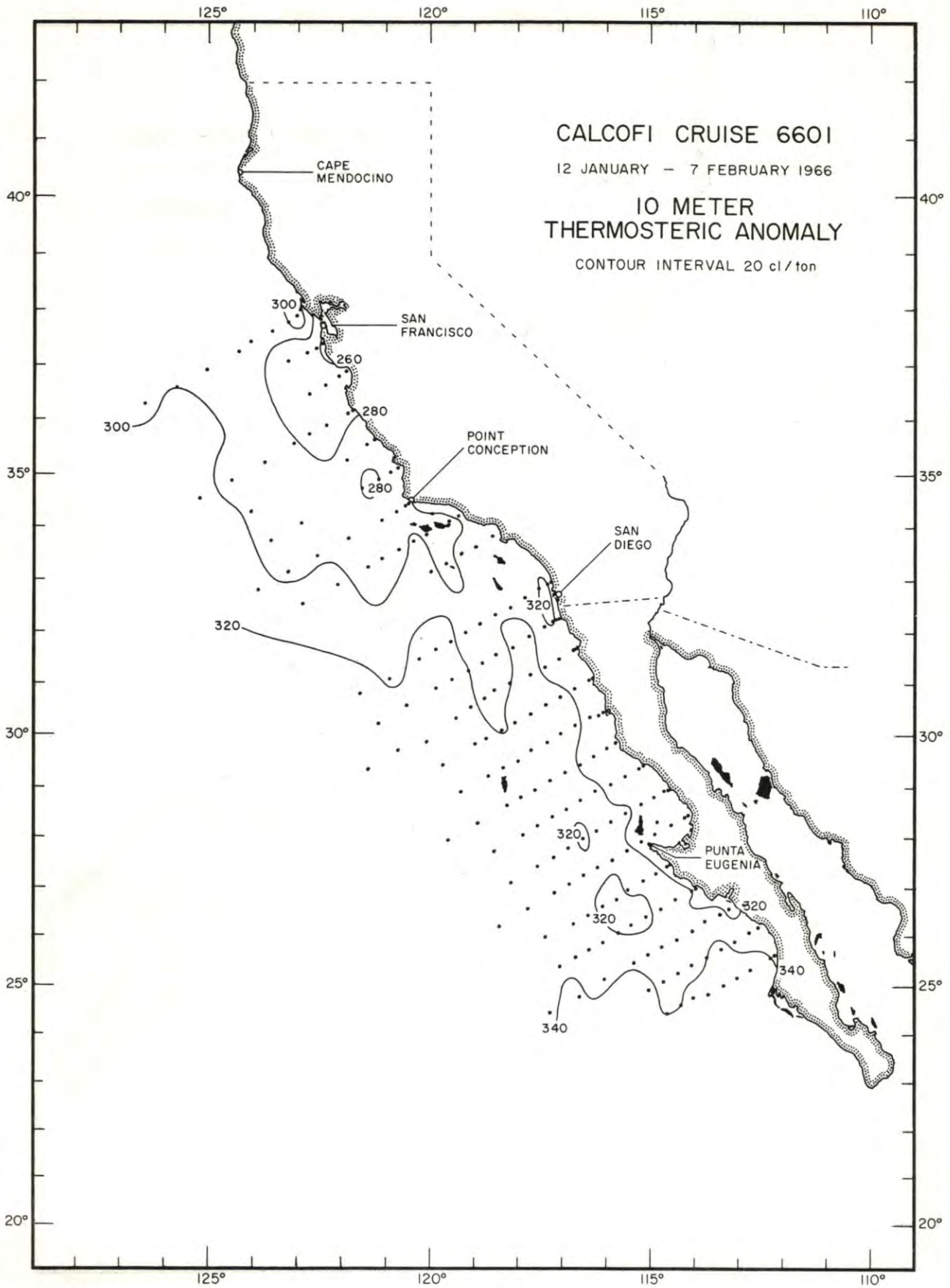

CALCOFI CRUISE 6601
12 JANUARY – 7 FEBRUARY 1966
10 METER
THERMOSTERIC ANOMALY
CONTOUR INTERVAL 20 cl / ton
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
300
260
280
280
300
320
320
320
320
340
340
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 6

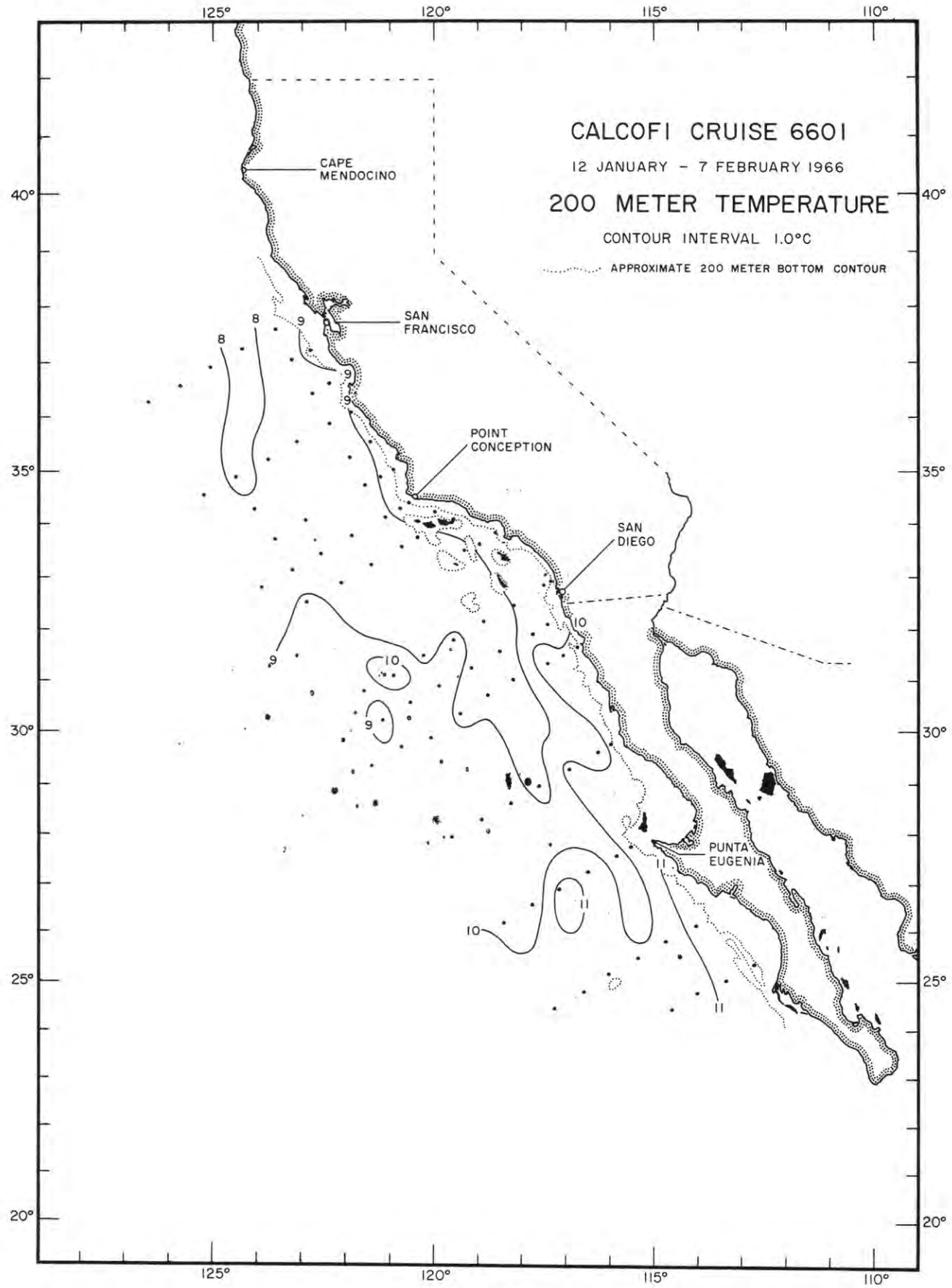

CALCOFI CRUISE 6601
12 JANUARY - 7 FEBRUARY 1966
200 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
APPROXIMATE 200 METER BOTTOM CONTOUR
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°
8
9
10
11

FIGURE 7

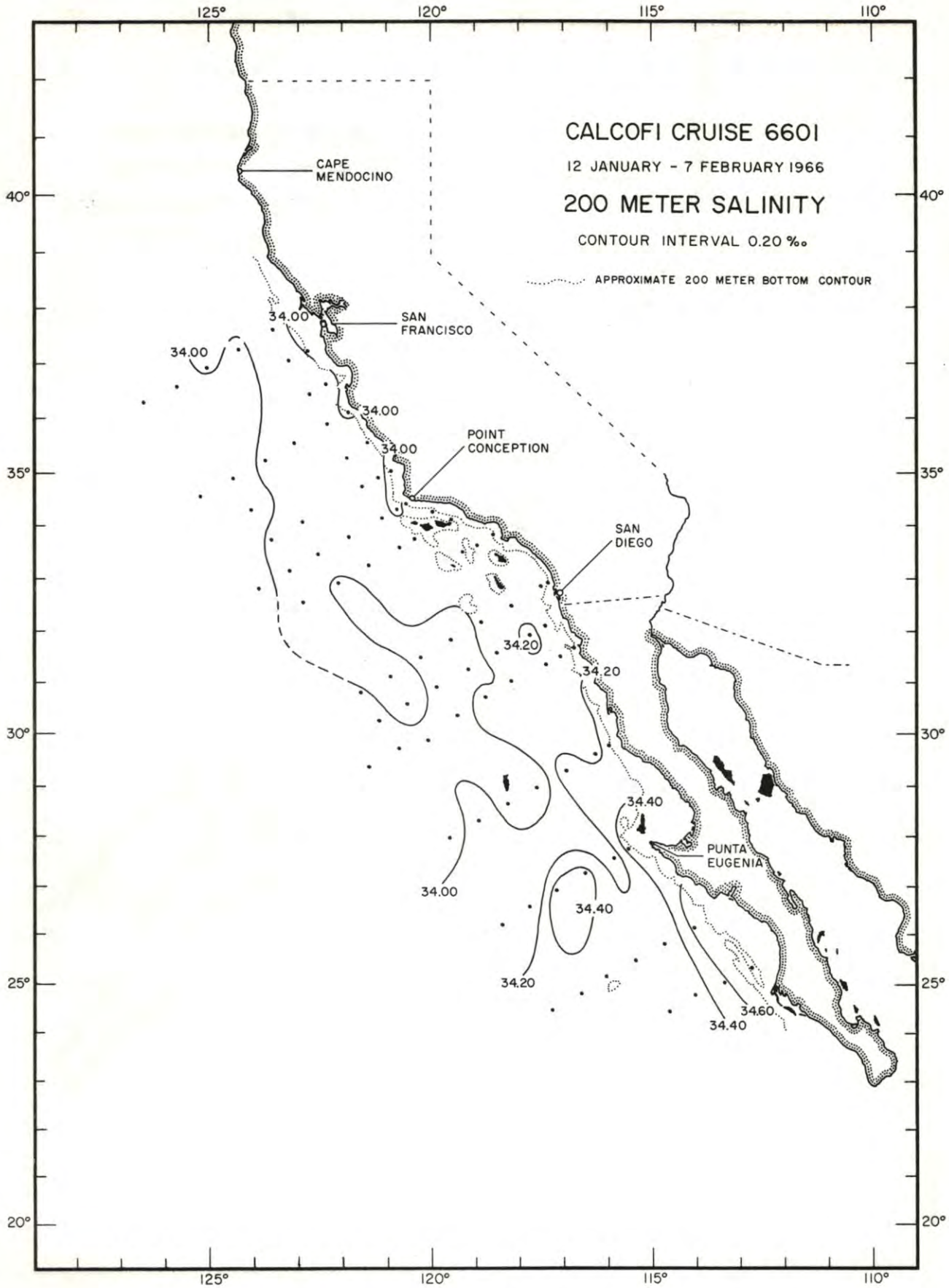

CALCOFI CRUISE 6601
12 JANUARY - 7 FEBRUARY 1966
200 METER SALINITY
CONTOUR INTERVAL 0.20 ‰
APPROXIMATE 200 METER BOTTOM CONTOUR
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
34.00
34.20
34.40
34.60
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 8

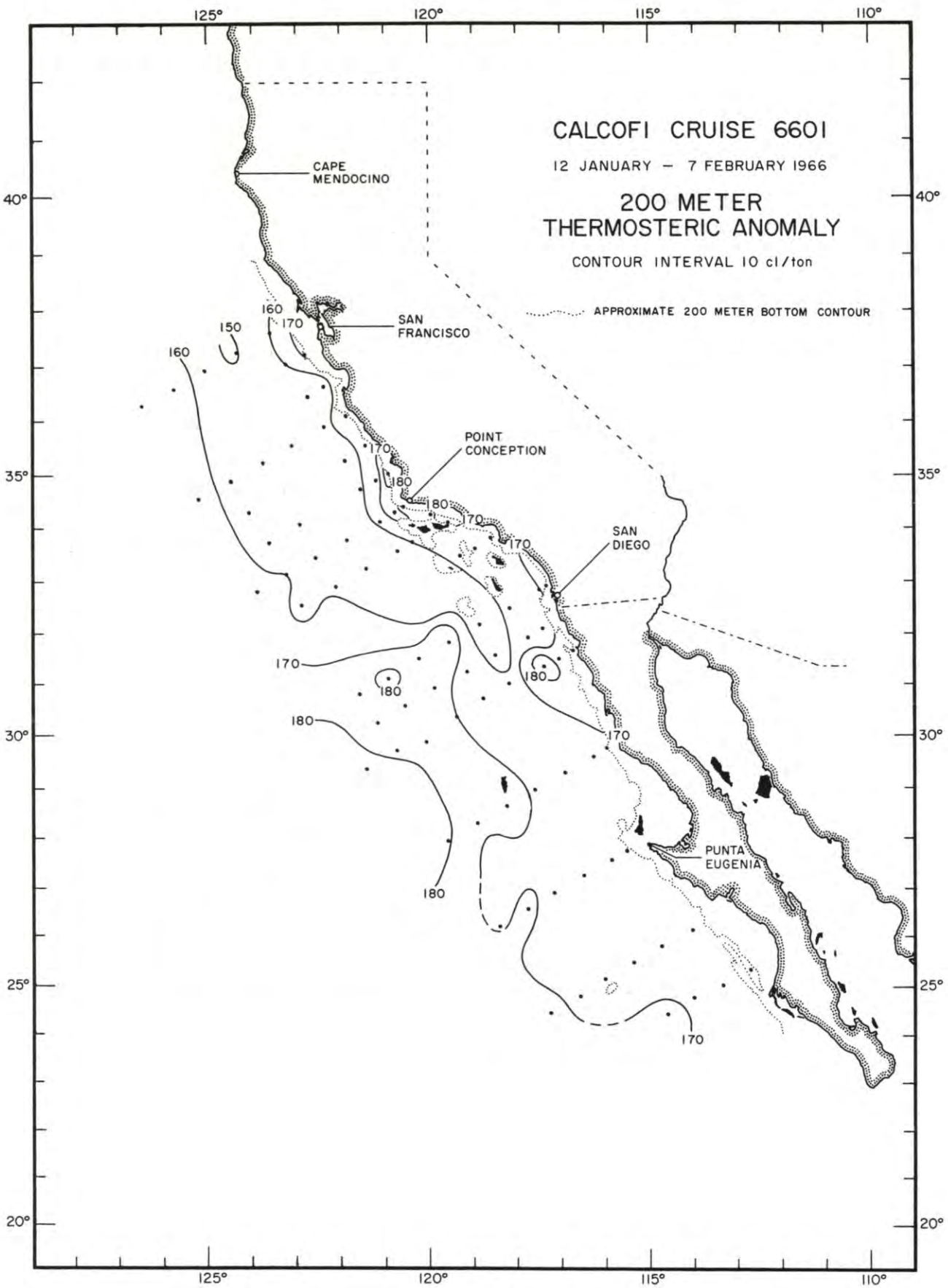

CALCOFI CRUISE 6601
12 JANUARY – 7 FEBRUARY 1966
200 METER
THERMOSTERIC ANOMALY
CONTOUR INTERVAL 10 cl/ton
APPROXIMATE 200 METER BOTTOM CONTOUR
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°
150
160
170
180

FIGURE 9

PERSONNEL
Cruise 6601

SHIPS' CAPTAINS

Davis, Laurence E., RV Alexander Agassiz
Forster, Charles W., RV David Starr Jordan

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz

Mead, Richard V., Principal Marine Technician (in charge)
Born, Barbara M., Senior Engineering Aid
Bryan, Walter R., Senior Marine Technician
Clark, James H., Senior Marine Technician, Hopkins Marine Station
Rosendahl, Donald V., Senior Electronics Technician
Wagner, Vaughn M., Fisheries Technician, Bureau of Commercial Fisheries

RV David Starr Jordan

Counts, Robert C., Fishery Research Biologist (in charge), Bureau of Commercial Fisheries
*Conway, Carol B., Senior Engineering Aid
*Farrar, Lloyd J., Biological Technician, Bureau of Commercial Fisheries
**Hart, Joe T., Laboratory Technician
Hester, Arthur W., Senior Marine Technician
**Justice, David K., Fishery Biologist, Bureau of Commercial Fisheries
**Kirk, Patricia, Physical Science Technician, Bureau of Commercial Fisheries
Lawson, Jan B., Senior Marine Technician
***Scallion, Robert J., Marine Technician, Hopkins Marine Station
**Smith, Dr. Paul, Fishery Biologist, Bureau of Commercial Fisheries
**Theilacker, Gail, Physical Science Technician, Bureau of Commercial Fisheries
*Wirth, David, Laboratory Assistant
**Wolf, Robert S., Marine Operations Supervisor, Bureau of Commercial Fisheries

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	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
60.52					CALCOFI CRUISE 6601								60.52	

DAVID STARR JORDAN, JANUARY 24 1966, 1342 GMT, 37 53.5N 123 01.5W, SOUNDING 48 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 17.

0	11.64	32.473	6.66	-	-	-	323.6	0	11.64	32.473	6.66	24.72	323.6	0
9	11.68	32.578	6.43	-	-	-	316.6	10	11.71	32.617	6.41	24.81	314.3	.032
19	12.04	32.998	6.24	-	-	-	292.0	20	12.07	33.029	6.18	25.07	290.3	.062
30	12.32	33.268	5.53	-	-	-	277.2	30	12.32	33.268	5.53	25.20	277.2	.091
48	12.34	33.442	5.28	-	-	-	264.7	50	12.28	33.463	5.17	25.36	262.0	.145
67	11.18	33.656	3.57	-	-	-	228.4							

60.60					CALCOFI CRUISE 6601								60.60	

DAVID STARR JORDAN, JANUARY 24 1966, 1806 1942 GMT, 37 37N 123 37W, SOUNDING 1700 FM, WIND 340 FORCE 3, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 25 15.

1	11.87	32.915	6.87	-	-	-	295.1	0	11.87	32.915	6.87	25.02	295.1	0
10	11.86	32.912	6.86	-	-	-	295.1	10	11.86	32.912	6.86	25.02	295.1	.030
30	12.52	33.420	5.93	-	-	-	269.6	20	12.18	33.152	6.44	25.14	283.1	.058
50	12.47K	33.44 G	-	-	-	-	267.2	30	12.52	33.420	5.93	25.28	269.6	.086
63	12.36	33.446	5.51	-	-	-	264.8	50	12.47	33.440	5.68	25.31	267.2	.140
71	11.84	33.488	4.87	-	-	-	252.3	75	11.51	33.531	4.52	25.56	243.4	.204
85	10.81	33.647	3.76	-	-	-	222.8	100	10.58	33.743	3.37	25.89	211.8	.262
100	10.58	33.743	3.37	-	-	-	211.8	125	9.86	33.863	2.83	26.11	191.3	.313
115	10.14	33.808	3.14	-	-	-	199.8	150	9.40	33.968	2.41	26.27	176.3	.359
138	9.56	33.930	2.46	-	-	-	181.6	200	8.71	34.044	2.30	26.44	160.2	.445
161	9.28	33.991	2.38	-	-	-	172.7	250	8.20	34.123	1.65	26.58	146.9	.524
190	8.84	34.021	2.43	-	-	-	163.8	300	7.50	34.134	1.27	26.69	136.2	.597
219	8.50	34.087	1.99	-	-	-	153.9	400	6.24	34.130	.86	26.86	120.3	.730
246	8.25	34.120	1.69	-	-	-	147.8	500	5.51	34.200	.55	27.00	106.4	.849
295	7.58	34.137	1.28	-	-	-	137.1	600	5.04	34.257	.32	27.10	96.9	.957
348	6.76	34.110	1.22	-	-	-	128.3	700	4.74	34.320	.26	27.19	89.0	1.057
400	6.24G	34.13 G	-	-	-	-	120.3	800	4.41	34.374	.30	27.27	81.4	1.150
428A	5.98	34.175	.77	-	-	-	113.8	1000	3.86	34.451	.42	27.39	70.1	1.318
434	5.98	34.151	.80	-	-	-	115.6	1200	3.34	34.495	.63	27.47	61.9	1.468
478A	5.66	34.198	.60	-	-	-	108.3	1500	2.69	34.559	1.06	27.58	51.4	1.665
518	5.41	34.201	.49	-	-	-	105.2	2000	2.06	34.609	1.67	27.68	42.6	1.945
528A	5.38	34.224	.43	-	-	-	103.1							
603	5.03	34.258	.32	-	-	-	96.7							
622A	5.03	34.272	.32	-	-	-	95.6							
725A	4.62	34.333	.24	-	-	-	86.6							
822A	4.36	34.385	.32	-	-	-	80.0							
964A	3.97	34.438	.39	-	-	-	72.1							
1061A	3.67	34.470	.47	-	-	-	66.8							
1205A	3.33	34.496	.64	-	-	-	61.7							
1350A	2.98	34.544	.85	-	-	-	55.0							
1492A	2.70	34.558	1.05	-	-	-	51.6							
1633A	2.51	34.571	1.19	-	-	-	49.1							
1775A	2.30	34.589	1.39	-	-	-	46.0							
1918A	2.12	34.604	1.58	-	-	-	43.5							
2014A	2.05	34.610	1.69	-	-	-	42.5							
2111A	1.98	-	1.82	-	-	-	-							
2209A	1.92	-	1.93	-	-	-	-							

60.70					CALCOFI CRUISE 6601								60.70	

DAVID STARR JORDAN, JANUARY 25 1966, 0127 GMT, 37 17N 124 21W, SOUNDING 2000 FM, WIND 310 FORCE 1, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 07.

0	11.94	33.018	6.12	-	-	-	288.7	0	11.94	33.018	6.12	25.08	288.7	0
10	11.89	33.008	6.18	-	-	-	288.6	10	11.89	33.008	6.18	25.08	288.6	.029
30	11.92	33.104	6.13	-	-	-	282.0	20	11.90	33.051	6.17	25.12	285.6	.058
60	11.87	33.113	6.01	-	-	-	280.5	30	11.92	33.104	6.13	25.15	282.0	.086
70	10.66	33.191	5.10	-	-	-	254.0	50	11.89	33.110	6.05	25.16	281.1	.143
84	9.56	33.461	4.39	-	-	-	216.3	75	10.19	33.282	4.78	25.60	239.6	.208
99	9.04	33.645	4.15	-	-	-	194.7	100	9.03	33.655	4.10	26.08	193.8	.263
114	9.00	33.778	3.36	-	-	-	184.2	125	8.88	33.854	3.07	26.26	176.8	.309
138	8.70	33.919	2.89	-	-	-	169.3	150	8.59	33.956	2.72	26.39	164.8	.353
158	8.49	33.970	2.65	-	-	-	162.4	200	7.74	33.991	2.45	26.54	150.2	.433
187	7.78	33.954	2.76	-	-	-	153.5	250	7.20	34.054	1.99	26.67	138.2	.507
216	7.66	34.041	2.05	-	-	-	145.4	300	6.79	34.092	1.50	26.75	130.0	.576
247	7.23	34.052	2.01	-	-	-	138.7	400	5.97	34.135	.85	26.90	116.6	.704
297	6.82	34.091	1.52	-	-	-	130.5	500	5.41	34.189	.57	27.01	106.1	.821
350	6.26	34.102	1.14	-	-	-	122.6	600	4.89	34.245	.31	27.11	96.1	.928
433	5.82	34.159	.71	-	-	-	113.1							
516	5.32	34.197	.53	-	-	-	104.4							
601	4.89	34.246	.31	-	-	-	96.0							

A) OVERLAPPING CASTS.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
60.80					CALCOFI CRUISE 6601								60.80	

DAVID STARR JORDAN, JANUARY 25 1966, 0546 GMT, 36 56.5N 125 04W, SOUNDING 2000 FM, WIND CALM, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 01.

1	11.54	32.874	6.07	-	-	-	292.3	0	11.54	32.874	6.07	25.05	292.3	0
13	11.48	32.905	6.23	-	-	-	289.0	10	11.49	32.896	6.21	25.07	289.9	.029
33	11.44	32.989	6.09	-	-	-	282.1	20	11.46	32.937	6.21	25.11	286.3	.058
50	11.41K	32.99 G	-	-	-	-	281.5	30	11.44	32.978	6.13	25.14	283.0	.086
66	10.79	32.966	5.84	-	-	-	272.8	50	11.41	32.990	5.97	25.16	281.5	.143
76	9.98	33.017	5.55	-	-	-	255.8	75	10.06	33.009	5.58	25.41	257.6	.211
86	9.66	33.141	5.37	-	-	-	241.6	100	9.53	33.252	5.07	25.69	231.3	.272
102	9.50	33.267	5.02	-	-	-	229.7	125	8.88	33.551	4.27	26.02	199.3	.327
120	8.94	33.494	4.45	-	-	-	204.4	150	8.70	33.794	3.51	26.24	178.6	.375
144	8.77	33.741	3.65	-	-	-	183.5	200	8.25	34.005	2.48	26.48	156.4	.460
164	8.54	33.897	3.21	-	-	-	168.6	250	7.54	34.042	2.21	26.61	143.7	.537
194	8.36	34.004	2.48	-	-	-	158.0	300	6.71	34.028	2.02	26.71	133.8	.608
221	7.84	34.007	2.56	-	-	-	150.4	400	5.77	34.073	1.24	26.87	118.9	.739
252	7.52	34.044	2.18	-	-	-	143.2	500	5.39	34.165	.59	26.99	107.7	.858
294	6.80	34.028	2.05	-	-	-	134.9	600	4.98	34.233	.39	27.09	97.9	.967
354	6.06	34.036	1.65	-	-	-	125.1							
427	5.66	34.100	1.00	-	-	-	115.6							
503	5.38	34.167	.58	-	-	-	107.4							
581	5.06	34.222	.40	-	-	-	99.7							

60.90					CALCOFI CRUISE 6601								60.90	

DAVID STARR JORDAN, JANUARY 25 1966, 1054 GMT, 36 36N 125 47W, SOUNDING 2000+ FM, WIND 170 FORCE 1, WEATHER MISSING, SEA MISSING, WIRE ANGLE 12.

0	11.82	32.830	6.19	-	-	-	300.5	0	11.82	32.830	6.19	24.96	300.5	0
11	11.78	32.822	6.27	-	-	-	300.4	10	11.79	32.823	6.27	24.96	300.4	.030
31	11.55	32.807	6.20	-	-	-	297.4	20	11.68	32.812	6.25	24.97	299.3	.060
60	11.43	32.870	6.29	-	-	-	290.7	30	11.56	32.807	6.21	24.99	297.6	.090
69	11.41	32.872	6.26	-	-	-	290.2	50	11.45	32.847	6.26	25.04	292.8	.149
83	11.33	32.908	6.21	-	-	-	286.2	75	11.38	32.885	6.24	25.08	288.7	.222
98	10.50	32.938	5.89	-	-	-	270.0	100	10.40	32.968	5.78	25.32	266.2	.292
112	9.85	33.177	5.13	-	-	-	241.9	125	9.46	33.331	5.03	25.76	224.4	.354
137	9.22	33.459	4.88	-	-	-	211.2	150	9.03	33.643	4.49	26.07	194.7	.407
157	8.96	33.736	4.22	-	-	-	186.7	200	8.66	33.995	2.53	26.41	163.0	.498
186	8.85	33.947	2.80	-	-	-	169.4	250	8.16	34.066	2.12	26.54	150.5	.578
214	8.46	34.023	2.41	-	-	-	158.0	300	7.53	34.098	1.74	26.66	139.4	.653
243	8.24	34.059	2.18	-	-	-	152.2	400	6.61	34.142	1.08	26.82	123.9	.790
293	7.61	34.095	1.79	-	-	-	140.7	500	5.69	34.168	.70	26.96	110.8	.913
346	7.06	34.113	1.46	-	-	-	132.0	600	5.21	34.229	.40	27.06	100.9	1.026
428	6.38	34.156	.91	-	-	-	120.1							
512	5.60	34.173	.66	-	-	-	109.4							
597	5.22	34.226	.41	-	-	-	101.2							

60.100					CALCOFI CRUISE 6601								60.100	

DAVID STARR JORDAN, JANUARY 25 1966, 1540 1601 GMT, 36 17N 126 30W, SOUNDING 2500 FM, WIND 160 FORCE 5, WEATHER DRIZZLE, SEA ROUGH, WIRE ANGLE 28 25.

0	12.16	33.002	6.16	-	-	-	293.8	0	12.16	33.002	6.16	25.03	293.8	0
10	12.14	33.001	6.19	-	-	-	293.6	10	12.14	33.001	6.19	25.03	293.6	.029
30	12.15	33.000	6.20	-	-	-	293.8	20	12.14	33.000	6.19	25.03	293.7	.059
59	12.20	-	6.25	-	-	-	-	30	12.15	33.000	6.20	25.03	293.8	.088
67	12.24	33.028	6.10	-	-	-	293.4	50	12.17	33.012	6.28	25.03	293.4	.147
75	11.89K	33.07 G	-	-	-	-	284.0	75	11.89	33.070	5.66	25.13	284.0	.220
80	10.69	33.113	5.36	-	-	-	260.2	100	9.90	33.252	4.87	25.63	237.1	.285
94	9.90	33.186	5.04	-	-	-	242.0	125	9.68	33.515	4.19	25.87	214.2	.342
109A	9.99	33.362	4.61	-	-	-	230.4	150	9.26	33.760	3.46	26.13	189.6	.393
133A	9.48	33.587	3.97	-	-	-	205.7	200	8.34	33.961	3.09	26.43	160.9	.483
151A	9.25	33.769	3.43	-	-	-	188.7	250	7.86	34.029	2.32	26.55	149.0	.562
179A	8.68	33.907	3.22	-	-	-	169.9	300	7.28	34.037	2.15	26.64	140.6	.637
204A	8.28	33.968	3.05	-	-	-	159.5	400	6.15	34.063	1.49	26.81	124.2	.774
231A	8.02	34.013	2.53	-	-	-	152.5	500	5.69	34.178	.60	26.96	110.1	.897
277A	7.61	34.039	2.17	-	-	-	144.8							
326A	6.90	34.033	2.12	-	-	-	135.8							
407A	6.10	34.068	1.41	-	-	-	123.2							
489A	5.76	34.171	.65	-	-	-	111.5							
573A	5.06	34.183	.52	-	-	-	102.6							

63.52					CALCOFI CRUISE 6601								63.52	

DAVID STARR JORDAN, JANUARY 24 1966, 0606 GMT, 37 19N 122 36W, SOUNDING 48 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 07.

0	12.55	33.380	6.13	-	-	-	273.1	0	12.55	33.380	6.13	25.25	273.1	0
10	12.53	33.372	6.17	-	-	-	273.3	10	12.53	33.372	6.17	25.25	273.3	.027
20	12.47	33.379	6.05	-	-	-	271.7	20	12.47	33.379	6.05	25.26	271.7	.055
30	12.38	33.383	5.84	-	-	-	269.8	30	12.38	33.383	5.84	25.28	269.8	.082
50	11.64	33.479	4.82	-	-	-	249.5	50	11.64	33.479	4.82	25.50	249.5	.134
74	11.20	33.554	4.33	-	-	-	236.3	75	11.19	33.556	4.33	25.64	236.0	.195

A) CAST II.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DC
63.55							CALCOFI CRUISE 6601							63.55
DAVID STARR JORDAN, JANUARY 24 1966, 0338 GMT, 37 13N 122 50W, SOUNDING 195 FM, WIND 320 FORCE 4, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 25.														
0	12.35	-	6.02	-	-	-	-	0	12.35	-0	6.02	-.48	2783.6	0
9	12.34	33.413	6.02	-	-	-	266.8	10	12.34	33.413	6.02	25.31	266.8	.153
27	12.36	33.417	5.95	-	-	-	266.9	20	12.35	33.415	5.98	25.31	266.9	.179
40	12.38	33.423	5.92	-	-	-	266.8	30	12.37	33.418	5.94	25.31	266.9	.206
49	12.38	33.438	5.73	-	-	-	265.7	50	12.38	33.440	5.63	25.33	265.6	.259
50	12.38K	33.44 G	-	-	-	-	265.6	75	11.16	33.626	3.85	25.70	230.2	.322
62	11.72	33.552	4.38	-	-	-	245.5	100	10.64	33.717	3.46	25.86	214.8	.378
74	11.19	33.621	3.88	-	-	-	231.2	125	10.24	33.805	3.11	26.00	201.7	.431
91	10.75	33.692	3.54	-	-	-	218.4	150	9.72	33.890	2.75	26.15	186.9	.480
114	10.48	33.756	3.33	-	-	-	209.2	200	9.16	33.997	2.43	26.33	170.4	.571
130	10.12	33.827	3.01	-	-	-	198.1							
162	9.52	33.920	2.65	-	-	-	181.7							
189	9.26	33.978	2.51	-	-	-	173.3							
227	8.92	34.031	2.20	-	-	-	164.3							
63.60							CALCOFI CRUISE 6601							63.60
DAVID STARR JORDAN, JANUARY 24 1966, 0013 GMT, 37 03N 123 12W, SOUNDING 1400 FM, WIND 330 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 18.														
1	12.46	33.456	5.98	-	-	-	265.9	0	12.46	33.456	5.98	25.32	265.9	0
9	12.44	33.433	5.98	-	-	-	267.2	10	12.44	33.432	5.98	25.31	267.2	.027
29	12.44	33.439	5.94	-	-	-	266.8	20	12.44	33.431	5.96	25.31	267.3	.053
58	12.40	33.441	5.93	-	-	-	265.9	30	12.44	33.439	5.94	25.31	266.7	.080
67	12.34	33.455	5.49	-	-	-	263.8	50	12.43	33.440	5.93	25.32	266.4	.134
80	11.24	33.588	4.05	-	-	-	234.5	75	11.69	33.531	4.60	25.53	246.6	.198
96	10.82	33.700	3.63	-	-	-	219.0	100	10.68	33.715	3.56	25.85	215.5	.256
110	10.31	33.745	3.43	-	-	-	207.2	125	9.88	33.793	3.26	26.05	196.8	.309
134	9.67	33.825	3.16	-	-	-	191.1	150	9.33	33.894	2.90	26.22	180.7	.356
152	9.30	33.903	2.86	-	-	-	179.5	200	8.87	34.080	2.03	26.44	159.8	.443
181	9.03	34.041	2.23	-	-	-	165.2	250	8.17	34.075	1.93	26.54	149.9	.523
208	8.80	34.088	1.99	-	-	-	158.2	300	7.00	34.018	1.71	26.67	138.2	.597
237	8.54	34.101	1.99	-	-	-	153.4	400	6.29	34.129	1.05	26.85	120.9	.732
283	7.18	34.008	1.75	-	-	-	141.4	500	5.28	34.166	.67	27.00	106.3	.851
336	6.82	34.068	1.61	-	-	-	132.2	600	4.98	34.256	.34	27.11	96.2	.958
416	6.14	34.141	.91	-	-	-	118.2							
498	5.29	34.165	.68	-	-	-	106.5							
581	5.03	34.234	.41	-	-	-	98.5							
67.50							CALCOFI CRUISE 6601							67.50
DAVID STARR JORDAN, JANUARY 23 1966, 0933 GMT, 36 49N 122 04.5W, SOUNDING 58 FM, WIND 330 FORCE 2, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 01.														
1	12.54	33.351	5.63	-	-	-	275.1	0	12.54	33.351	5.63	25.23	275.1	0
11	12.54	33.346	5.65	-	-	-	275.4	10	12.54	33.346	5.64	25.22	275.4	.028
22	12.54	33.346	5.76	-	-	-	275.4	20	12.54	33.346	5.74	25.22	275.5	.055
31	12.52	33.350	5.73	-	-	-	274.8	30	12.53	33.349	5.74	25.23	274.9	.083
51	11.98	33.377	5.07	-	-	-	263.0	50	12.01	33.374	5.10	25.35	263.7	.137
74	11.40	33.473	4.37	-	-	-	245.7	75	11.38	33.479	4.34	25.54	244.9	.201
67.55							CALCOFI CRUISE 6601							67.55
DAVID STARR JORDAN, JANUARY 23 1966, 1328 GMT, 36 39N 122 26W, SOUNDING 1100 FM, WIND 340 FORCE 3, WEATHER DRIZZLE, SEA ROUGH, WIRE ANGLE 01.														
1	12.50	33.409	5.86	-	-	-	270.1	0	12.50	33.409	5.86	25.28	270.1	0
12	12.50	33.411	5.90	-	-	-	269.9	10	12.50	33.411	5.90	25.28	270.0	.027
35	12.40	33.412	5.81	-	-	-	268.0	20	12.49	33.412	5.88	25.28	269.6	.054
50	12.21K	33.42 G	-	-	-	-	264.0	30	12.44	33.412	5.84	25.29	268.7	.081
67	10.27	33.622	3.81	-	-	-	215.7	50	12.21	33.420	4.87	25.34	264.0	.134
78	10.06	33.705	3.62	-	-	-	206.1	75	10.12	33.685	3.66	25.93	208.5	.194
94	9.76	33.783	3.21	-	-	-	195.6	100	9.67	33.798	3.15	26.09	193.1	.245
110	9.53	33.823	3.09	-	-	-	189.0	125	9.25	33.895	2.90	26.23	179.3	.292
125	9.25	33.895	2.90	-	-	-	179.3	150	9.01	33.970	2.67	26.33	170.1	.336
151	9.00	33.972	2.66	-	-	-	169.8	200	8.40	34.031	2.39	26.47	156.6	.419
173	8.70	34.002	2.57	-	-	-	163.1	250	8.05	34.092	1.83	26.57	147.0	.497
207	8.34	34.039	2.32	-	-	-	155.1	300	7.58	34.113	1.52	26.66	138.9	.571
240	8.18	34.095	1.86	-	-	-	148.6	400	6.88	34.182	.90	26.81	124.4	.708
273	7.74	34.081	1.79	-	-	-	143.5	500	6.21	34.206	.74	26.92	114.3	.834
333	7.44	34.162	1.16	-	-	-	133.4	600	5.40	34.237	.55	27.05	102.4	.949
388	6.96	34.178	.95	-	-	-	125.8							
473	6.42	34.206	.67	-	-	-	116.8							
558	5.75	34.218	.72	-	-	-	107.8							
641	5.04	34.263	.27	-	-	-	96.4							

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
67.60					CALCOFI CRUISE 6601		
DAVID STARR JORDAN, JANUARY 23 1966, 1740 1925 GMT, 36 29N 122 47.5W, SOUNDING 1600 FM, WIND 340 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 16.							
1	12.30	33.41 G	6.02	-	-	-	266.3
11	12.28	33.411	6.03	-	-	-	265.9
30	12.28	33.408	6.05	-	-	-	266.1
41	12.28	33.407	5.97	-	-	-	266.2
50	11.96K	33.45 G	-	-	-	-	257.3
62	10.83	33.596	3.98	-	-	-	226.9
80	10.52	33.757	3.33	-	-	-	209.8
105	9.70	33.873	2.90	-	-	-	188.0
124	9.46	33.912	2.77	-	-	-	181.3
144	9.32	33.992	2.45	-	-	-	173.2
164	9.10	34.044	2.15	-	-	-	166.0
192	8.76	34.078	2.03	-	-	-	158.4
223	8.26	34.097	1.74	-	-	-	149.6
250	8.01	34.127	1.57	-	-	-	143.9
298	7.64	34.149	1.33	-	-	-	137.1
349	7.12	34.160	1.11	-	-	-	129.2
397A	6.72	34.177	-	-	-	-	122.8
431	6.38	34.196	.71	-	-	-	117.1
442A	6.32	34.197	.72	-	-	-	116.3
488A	5.91	34.178	.67	-	-	-	112.7
514	5.64	34.215	.47	-	-	-	106.8
579A	5.26	34.254	.36	-	-	-	99.5
599	5.04	34.259	.30	-	-	-	96.7
600	5.13G	34.25 G	-	-	-	-	98.4
706A	4.78	34.325	.26	-	-	-	88.9
798A	4.42	34.378	.27	-	-	-	81.2
1057A	3.72	34.474	.59	-	-	-	67.0
1272A	3.18	34.523	.80	-	-	-	58.4
1472A	2.84	34.549	.97	-	-	-	53.5
1626A	2.58	34.574	1.19	-	-	-	49.4
1789A	2.32	34.588	1.35	-	-	-	46.3
1946A	2.12	34.608	1.64	-	-	-	43.2
2092A	1.98	34.627	1.86	-	-	-	40.7
2239A	1.88	34.641	2.00	-	-	-	38.9
2335A	1.86	34.647	2.13	-	-	-	38.3
2432A	1.82	34.650	2.26	-	-	-	37.8
2530A	1.78	34.658	2.31	-	-	-	36.9

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
67.60						
0	12.30	33.410	6.02	25.32	266.3	0
10	12.28	33.411	6.03	25.32	265.9	.027
20	12.28	33.410	6.05	25.32	265.9	.053
30	12.28	33.408	6.05	25.32	266.1	.080
50	11.96	33.450	5.18	25.41	257.3	.132
75	10.61	33.719	3.45	25.87	214.2	.192
100	9.86	33.858	2.95	26.10	191.6	.243
125	9.45	33.916	2.76	26.22	180.9	.290
150	9.26	34.010	2.35	26.32	170.9	.335
200	8.63	34.083	1.96	26.48	156.0	.418
250	8.01	34.127	1.57	26.61	143.9	.495
300	7.62	34.149	1.32	26.68	136.8	.567
400	6.69	34.179	.82	26.84	122.2	.702
500	5.78	34.194	.58	26.96	110.0	.825
600	5.13	34.250	.30	27.09	98.4	.935
700	4.80	34.321	.26	27.18	89.4	1.036
800	4.41	34.379	.27	27.27	81.0	1.129
1000	3.85	34.458	.50	27.39	69.5	1.296
1200	3.35	34.509	.73	27.48	60.9	1.444
1500	2.79	34.554	1.01	27.57	52.7	1.642
2000	2.06	34.615	1.73	27.68	42.2	1.925
2500	1.79	34.655	2.30	27.73	37.2	2.170

Z	T	S	OXY	PHO	SIL	NIT	D*T
70.53					CALCOFI CRUISE 6601		
DAVID STARR JORDAN, JANUARY 28 1966, 0824 GMT, 36 06.5N 121 54W, SOUNDING 600 FM, WIND 300 FORCE 2, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 08.							
0	12.72	33.418	5.99	-	-	-	273.5
10	12.70	33.415	6.02	-	-	-	273.3
30	12.62	33.423	5.96	-	-	-	271.3
59	12.62	33.424	5.97	-	-	-	271.2
69	12.59	33.430	2.79	-	-	-	270.2
75	12.54K	33.44 G	-	-	-	-	268.5
83	11.78	33.549	4.35	-	-	-	246.8
98	11.14	33.614	4.03	-	-	-	230.8
113	10.79	33.683	3.69	-	-	-	219.8
137	10.38	33.799	3.27	-	-	-	204.4
157	9.99	33.853	3.08	-	-	-	194.1
186	9.19	33.941	3.00	-	-	-	175.0
214	8.88	34.038	2.52	-	-	-	163.1
244	8.57	34.096	2.19	-	-	-	154.2
293	8.25	34.165	1.55	-	-	-	144.4
348	7.62	34.148	1.43	-	-	-	136.9
431	6.52	34.175	.83	-	-	-	120.4
516	6.06	34.223	.48	-	-	-	111.1
600	5.59B	34.280	.28	-	-	-	101.3

Z	T	S	OXY	SIG*T	D*T	DD
70.53						
0	12.72	33.418	5.99	25.24	273.5	0
10	12.70	33.415	6.02	25.25	273.3	.027
20	12.66	33.418	6.00	25.26	272.3	.055
30	12.62	33.423	5.96	25.27	271.3	.082
50	12.62	33.424	6.70	25.27	271.2	.136
75	12.54	33.440	3.14	25.30	268.5	.204
100	11.08	33.623	3.98	25.71	229.2	.267
125	10.58	33.744	3.46	25.89	211.7	.323
150	10.14	33.836	3.13	26.04	197.7	.375
200	9.01	33.991	2.77	26.35	168.5	.468
250	8.53	34.107	2.10	26.51	152.8	.550
300	8.18	34.165	1.52	26.61	143.5	.627
400	6.90	34.160	1.07	26.79	126.4	.767
500	6.15	34.213	.53	26.93	112.9	.893
600	5.59	34.280	.28	27.06	101.3	1.007

Z	T	S	OXY	PHO	SIL	NIT	D*T
70.60					CALCOFI CRUISE 6601		
DAVID STARR JORDAN, JANUARY 28 1966, 1214 GMT, 35 53N 122 22.5W, SOUNDING 1650 FM, WIND 130 FORCE 2, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 07.							
0	12.20	33.280	6.09	-	-	-	274.1
10	12.18	33.273	6.08	-	-	-	274.3
31	12.16	33.290	5.98	-	-	-	272.6
60	12.10	33.313	6.01	-	-	-	269.9
71	10.84	33.302	5.06	-	-	-	248.8
83	9.78	33.435	4.36	-	-	-	221.7
99	9.33	33.637	3.91	-	-	-	199.7
114	9.64	33.857	2.90	-	-	-	188.2
139	9.42	33.978	2.42	-	-	-	175.8
160	9.15	34.037	2.23	-	-	-	167.3
190	8.86	34.083	1.99	-	-	-	159.5
219	8.42	34.126	1.66	-	-	-	149.8
249	8.10	34.152	1.48	-	-	-	143.3
300	7.48	34.159	1.26	-	-	-	134.1
352	6.78	34.134	1.11	-	-	-	126.8
438	6.19	34.210	.58	-	-	-	113.7
523	5.72	34.259	.34	-	-	-	104.4
606	5.22	34.282	.24	-	-	-	97.0

Z	T	S	OXY	SIG*T	D*T	DD
70.60						
0	12.20	33.280	6.09	25.24	274.1	0
10	12.18	33.273	6.08	25.24	274.3	.027
20	12.17	33.278	6.03	25.24	273.7	.055
30	12.16	33.289	5.98	25.25	272.7	.082
50	12.12	33.309	6.20	25.27	270.5	.137
75	10.43	33.337	4.79	25.60	239.4	.201
100	9.34	33.653	3.84	26.03	198.7	.256
125	9.61	33.933	2.58	26.21	182.1	.304
150	9.28	34.013	2.31	26.32	171.1	.349
200	8.71	34.099	1.87	26.48	156.1	.432
250	8.09	34.153	1.47	26.62	143.1	.509
300	7.48	34.159	1.26	26.71	134.1	.581
400	6.40	34.169	.82	26.87	119.3	.713
500	5.85	34.248	.39	27.00	106.7	.832
600	5.26	34.281	.24	27.10	97.4	.941

A) OVERLAPPING CASTS.
B) MEAN VALUE OF 5.56 AND 5.62 DEGREES.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DC
70.70					CALCOFI CRUISE 6601								70.70	
DAVID STARR JORDAN, JANUARY 28 1966, 1753 GMT, 35 33N 123 06W, SOUNDING 2000+ FM, WIND 150 FORCE 3, WEATHER FOG, SEA VERY ROUGH, WIRE ANGLE 25.														
0	11.80	33.054	6.02	-	-	-	283.6	0	11.80	33.054	6.02	25.14	283.6	0
8	11.78	33.063	6.18	-	-	-	282.6	10	11.79	33.071	6.19	25.15	282.1	.028
27	11.90	33.187	6.04	-	-	-	275.6	20	11.81	33.107	6.15	25.18	280.0	.056
35	12.10	33.375	5.89	-	-	-	265.3	30	12.02	33.264	5.99	25.26	271.9	.084
50	10.36	33.195	5.27	-	-	-	248.7	50	10.36	33.195	5.27	25.50	248.7	.136
62	9.76	33.321	4.63	-	-	-	229.8	75	9.77	33.529	4.03	25.86	214.5	.195
84	9.90	33.666	3.68	-	-	-	206.5	100	9.75	33.777	3.25	26.06	195.9	.246
102	9.72	33.786	3.21	-	-	-	194.7	125	9.23	33.912	2.84	26.25	177.8	.294
119	9.30	33.883	2.93	-	-	-	181.0	150	9.06	34.011	2.41	26.36	167.8	.337
138	9.14	33.967	2.63	-	-	-	172.3	200	8.42	34.024	2.29	26.46	157.4	.420
164	8.96	34.047	2.20	-	-	-	163.7	250	7.10	33.952	2.77	26.60	144.5	.498
194	8.64	34.047	2.21	-	-	-	158.9	300	6.58	34.013	2.25	26.72	133.2	.569
220	7.66	33.946	3.92U	-	-	-	152.5	400	5.92	34.117	.93	26.89	117.4	.699
266	6.94	33.980	2.85	-	-	-	140.3	500	5.57	34.219	.40	27.01	105.6	.816
314	6.46	34.028	1.94	-	-	-	130.6							
391	5.94	34.107	1.00	-	-	-	118.4							
467	5.72	34.187	.53	-	-	-	109.8							
545	5.31	34.260	.29	-	-	-	99.6							
70.80					CALCOFI CRUISE 6601								70.80	
DAVID STARR JORDAN, JANUARY 28 1966, 2254 GMT, 35 13N 123 47.5W, SOUNDING 2250 FM, WIND 190 FORCE 3, WEATHER FOG, SEA VERY ROUGH, WIRE ANGLE 21.														
0	12.22	32.968	6.25	-	-	-	297.4	0	12.22	32.968	6.25	24.99	297.4	0
8	12.17	32.968	6.38	-	-	-	296.5	10	12.16	32.968	6.37	25.00	296.3	.030
26	12.08	32.970	6.21	-	-	-	294.8	20	12.11	32.969	6.30	25.01	295.4	.059
50	11.93K	32.98 G	-	-	-	-	291.4	30	12.05	32.971	6.19	25.03	294.2	.089
55	11.92	32.989	6.15	-	-	-	290.5	50	11.93	32.980	6.16	25.06	291.4	.148
64	12.40	33.381	5.86	-	-	-	270.3	75	11.86	33.380	5.00	25.38	260.6	.217
75	11.86K	33.38 G	-	-	-	-	260.6	100	9.73	33.402	4.43	25.77	223.3	.278
78	11.31	33.348	4.78	-	-	-	253.4	125	9.39	33.679	3.78	26.04	197.5	.331
92	9.68	33.290	4.83	-	-	-	230.8	150	8.97	33.862	3.36	26.25	177.5	.379
105	9.88	33.490	4.14	-	-	-	219.2	200	8.40	34.009	2.77	26.46	158.3	.464
131	9.18	33.720	3.68	-	-	-	191.3	250	8.03	34.083	1.94	26.57	147.4	.542
151	8.96	33.868	3.34	-	-	-	176.9	300	7.23	34.079	1.82	26.68	136.7	.616
179	8.65	33.960	3.06	-	-	-	165.5	400	5.82	34.086	1.23	26.88	118.4	.748
204	8.36	34.016	2.71	-	-	-	157.1	500	5.27	34.186	.48	27.02	104.7	.865
232	8.15	34.056	2.18	-	-	-	151.1							
279	7.71	34.105	1.73	-	-	-	141.3							
329	6.54	34.038	1.97	-	-	-	130.9							
407	5.78	34.096	1.13	-	-	-	117.3							
489	5.32	34.176	.53	-	-	-	106.0							
572	5.02	34.242	.33	-	-	-	97.7							
70.90					CALCOFI CRUISE 6601								70.90	
DAVID STARR JORDAN, JANUARY 29 1966, 0407 GMT, 34 52.5N 124 30W, SOUNDING 2300 FM, WIND 190 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 13.														
0	12.40	33.157	6.23	-	-	-	286.8	0	12.40	33.157	6.23	25.10	286.8	0
11	12.39	33.161	6.21	-	-	-	286.3	10	12.39	33.160	6.21	25.11	286.4	.029
30	12.38	33.180	6.15	-	-	-	284.7	20	12.38	33.170	6.18	25.12	285.6	.057
50	12.37K	33.19 G	-	-	-	-	283.8	30	12.38	33.180	6.15	25.13	284.7	.086
63	11.60	33.326	5.32	-	-	-	260.0	50	12.37	33.190	5.85	25.14	283.8	.143
72	10.36	33.392	4.67	-	-	-	234.2	75	10.21	33.431	4.50	25.71	228.8	.207
87	10.02	33.588	4.03	-	-	-	214.2	100	9.69	33.666	3.87	25.98	203.2	.262
102	9.64	33.674	3.84	-	-	-	201.8	125	9.05	33.789	3.43	26.18	184.2	.311
117	9.20	33.743	3.60	-	-	-	189.9	150	8.68	33.893	3.31	26.32	171.0	.356
141	8.82	33.870	3.21	-	-	-	174.7	200	7.91	33.987	2.97	26.51	152.9	.438
161	8.52	33.913	3.44	-	-	-	167.1	250	7.28	34.025	2.22	26.63	141.5	.514
189	8.08	33.976	3.07	-	-	-	156.1	300	6.76	34.070	1.62	26.74	131.4	.584
216	7.68	33.998	2.80	-	-	-	148.9	400	6.15	34.183	.69	26.91	115.2	.712
247	7.32	34.023	2.26	-	-	-	142.1	500	5.33	34.204	.45	27.03	104.0	.827
295	6.80	34.062	1.69	-	-	-	132.4	600	5.09	34.317	.26	27.15	92.8	.932
348	6.48	34.143	.99	-	-	-	122.3							
430	5.94	34.194	.61	-	-	-	111.9							
512	5.26	34.211	.42	-	-	-	102.7							
598	5.09	34.314	.26	-	-	-	93.1							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
70.100					CALCOFI CRUISE 6601								70.100	

DAVID STARR JORDAN, JANUARY 27 1966, 0250 GMT, 34 33N 125 13W, SOUNDING 2500 FM, WIND 320 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 35.

0	13.46	33.036	5.95	-	-	-	315.5	0	13.46	33.036	5.95	24.80	315.5	0
9	13.46	33.033	6.02	-	-	-	315.7	10	13.46	33.033	6.02	24.80	315.8	.032
45	13.50	33.049	5.99	-	-	-	315.3	20	13.48	33.036	6.03	24.80	315.8	.063
73	13.44	33.053	6.07	-	-	-	313.9	30	13.49	33.040	6.02	24.80	315.7	.095
75	13.43K	33.05 G	-	-	-	-	313.9	50	13.49	33.053	6.00	24.81	314.9	.158
90	12.36	33.088	6.12	-	-	-	291.1	75	13.43	33.050	6.09	24.82	313.9	.237
103	11.20	32.959	5.91	-	-	-	280.2	100	11.45	32.983	5.97	25.15	282.6	.312
120	10.76	33.197	5.44	-	-	-	255.2	125	10.58	33.271	5.28	25.53	246.7	.379
136	10.16	33.429	4.88	-	-	-	228.2	150	9.69	33.601	4.30	25.93	207.9	.436
154	9.56	33.643	4.16	-	-	-	202.8	200	8.48	33.897	3.81	26.36	167.6	.532
179	8.78	33.811	3.98	-	-	-	178.5	250	7.69	33.993	2.91	26.55	149.4	.613
205	8.42	33.913	3.75	-	-	-	165.6	300	7.10	34.020	2.33	26.65	139.5	.688
226	7.99	33.975	3.22	-	-	-	154.9	400	6.02	34.104	1.16	26.86	119.6	.822
257	7.62	33.997	2.85	-	-	-	148.1	500	5.41	34.181	.59	27.00	106.6	.941
296	7.16	34.018	2.38	-	-	-	140.4	600	4.88	34.245	.26	27.11	96.0	1.048
341	6.55	34.040	1.83	-	-	-	130.8							
426	5.85	34.134	.92	-	-	-	115.3							
512	5.34	34.189	.54	-	-	-	105.3							
586	4.95	34.236	.30	-	-	-	97.4							

73.53					CALCOFI CRUISE 6601								73.53	

DAVID STARR JORDAN, FEBRUARY 1 1966, 2200 GMT, 35 31.5N 121 28.5W, SOUNDING 440 FM, WIND 290 FORCE 5, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 00.

0	13.40	33.364	5.98	-	-	-	290.3	0	13.40	33.364	5.98	25.07	290.3	0
10	13.35	33.365	6.04	-	-	-	289.3	10	13.35	33.365	6.04	25.08	289.3	.029
30	13.22	33.398	5.87	-	-	-	284.4	20	13.29	33.381	5.99	25.10	286.9	.058
50	13.07K	33.40 G	-	-	-	-	281.4	30	13.22	33.398	5.87	25.13	284.4	.086
60	12.43	33.429	5.24	-	-	-	267.3	50	13.07	33.400	5.57	25.16	281.4	.143
70	11.63	33.465	4.63	-	-	-	250.3	75	11.37	33.510	4.40	25.57	242.4	.209
84	11.00	33.603	4.06	-	-	-	229.2	100	10.44	33.734	3.56	25.91	210.2	.266
99	10.46	33.728	3.58	-	-	-	211.0	125	9.95	33.837	3.32	26.07	194.6	.317
114	10.24	33.807	3.39	-	-	-	201.5	150	9.41	33.917	3.03	26.23	180.1	.365
139	9.58	33.871	3.21	-	-	-	186.2	200	9.14	34.092	2.06	26.41	163.1	.452
158	9.32	33.953	2.87	-	-	-	176.1	250	8.54	34.162	1.65	26.55	148.9	.532
189	9.24	34.078	2.07	-	-	-	165.6	300	8.14	34.190	1.39	26.64	141.1	.607
217	8.94	34.104	2.08	-	-	-	159.1	400	7.15	34.204	1.00	26.79	126.4	.747
246	8.58	34.158	1.68	-	-	-	149.8	500	6.35	34.224	.63	26.92	114.6	.874
296	8.18	34.189	1.40	-	-	-	141.7	600	5.56	34.277	.37	27.06	101.3	.989
352	7.64	34.192	1.23	-	-	-	133.9							
434	6.83	34.214	.84	-	-	-	121.4							
518	6.21	34.230	.58	-	-	-	112.4							
603	5.54	34.279	.36	-	-	-	100.8							

73.60					CALCOFI CRUISE 6601								73.60	

DAVID STARR JORDAN, FEBRUARY 1 1966, 1830 GMT, 35 17.5N 121 54W, SOUNDING 1050 FM, WIND 300 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 10.

2	12.91	33.301	6.11	-	-	-	285.6	0	12.91	33.301	6.11	25.12	285.6	0
13	12.88	33.300	6.13	-	-	-	285.1	10	12.89	33.299	6.13	25.12	285.4	.029
33	12.78	33.331	6.00	-	-	-	281.0	20	12.85	33.309	6.10	25.13	283.9	.057
50	12.71K	33.35 G	-	-	-	-	278.3	30	12.80	33.325	6.05	25.16	281.7	.085
63	11.36	33.483	4.59	-	-	-	244.3	50	12.71	33.350	5.24	25.19	278.3	.142
78	10.51	33.597	4.21	-	-	-	221.5	75	10.63	33.576	4.28	25.75	225.0	.205
92	10.16	33.697	3.79	-	-	-	208.4	100	9.92	33.761	3.59	26.02	199.8	.258
107	9.72	33.813	3.43	-	-	-	192.7	125	9.35	33.893	3.12	26.22	181.1	.307
122	9.40	33.879	3.17	-	-	-	182.8	150	9.04	33.991	2.73	26.34	169.0	.351
148	9.06	33.985	2.76	-	-	-	169.8	200	8.49	34.110	2.04	26.52	151.9	.433
167	8.86	34.034	2.50	-	-	-	163.1	250	8.06	34.151	1.61	26.62	142.9	.509
195	8.54	34.105	2.09	-	-	-	153.1	300	7.78	34.203	1.16	26.70	134.9	.580
225	8.24	34.125	1.83	-	-	-	147.3	400	6.62	34.181	.89	26.85	121.2	.714
254	8.04	34.155	1.57	-	-	-	142.2	500	5.87	34.229	.47	26.98	108.3	.835
305	7.74	34.206	1.12	-	-	-	134.2	600	5.31	34.283	.35	27.09	97.9	.945
360	7.05	34.182	1.01	-	-	-	126.7							
443	6.24	34.187	.73	-	-	-	116.0							
526	5.71	34.246	.39	-	-	-	105.3							
610	5.26	34.287	.34	-	-	-	97.0							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
73.90					CALCOFI CRUISE 6601								73.90	
DAVID STARR JORDAN, JANUARY 29 1966, 0955 GMT, 34 18.5N 124 04W, SOUNDING 2000+ FM, WIND 160 FORCE 4, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 25.														
0	12.54	33.073	6.19	-	-	-	295.5	0	12.54	33.073	6.19	25.01	295.5	0
8	12.54	33.072	6.21	-	-	-	295.6	10	12.54	33.071	6.22	25.01	295.6	.030
26	12.47	33.068	6.23	-	-	-	294.6	20	12.50	33.069	6.24	25.02	295.1	.059
35	12.22	33.071	6.15	-	-	-	289.8	30	12.36	33.069	6.20	25.04	292.6	.089
49	11.94	33.169	5.82	-	-	-	277.6	50	11.89	33.180	5.76	25.22	275.9	.146
61	11.24	33.307	5.08	-	-	-	255.2	75	10.54	33.456	4.47	25.68	232.3	.209
82	10.20	33.512	4.30	-	-	-	222.7	100	9.26	33.539	4.44	25.95	205.9	.265
101	9.22	33.543	4.46	-	-	-	205.0	125	9.04	33.764	4.25	26.17	185.9	.314
118	9.18	33.751	3.57U	-	-	-	189.0	150	8.58	33.855	4.03	26.31	172.3	.360
135	8.81	33.786	4.12	-	-	-	180.8	200	8.07	33.988	3.75	26.49	155.1	.443
160	8.46	33.901	4.00	-	-	-	167.1	250	7.55	34.097	2.42	26.65	139.7	.519
189	8.15	33.941	4.01	-	-	-	159.7	300	7.06	34.117	1.83	26.74	131.7	.589
215	7.96	34.053	3.30	-	-	-	148.7	400	6.24	34.176	1.03	26.89	116.9	.718
259	7.44	34.105	2.23	-	-	-	137.6	500	5.66	34.263	.50	27.03	103.5	.834
305	7.02	34.119	1.80	-	-	-	131.0							
382	6.30	34.155	1.16	-	-	-	119.1							
457	5.96	34.231	.69	-	-	-	109.3							
537	5.35	34.283	.39	-	-	-	98.3							
77.51					CALCOFI CRUISE 6601								77.51	
DAVID STARR JORDAN, FEBRUARY 1 1966, 0732 GMT, 35 02N 120 56W, SOUNDING 150 FM, WIND 300 FORCE 1, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 00.														
1	13.65	33.369	5.69	-	-	-	294.8	0	13.65	33.369	5.69	25.02	294.8	0
11	13.64	33.360	5.70	-	-	-	295.2	10	13.65	33.360	5.70	25.01	295.4	.030
31	13.06	33.390	5.73	-	-	-	281.9	20	13.39	33.370	5.73	25.07	289.7	.059
47	12.97	33.405	5.55	-	-	-	279.1	30	13.09	33.388	5.73	25.15	282.7	.087
57	12.87	33.422	5.40	-	-	-	276.0	50	12.94	33.408	5.53	25.19	278.4	.144
71	12.10	33.517	4.47	-	-	-	254.8	75	11.96	33.543	4.30	25.49	250.4	.210
87	11.68	33.610	3.95	-	-	-	240.5	100	11.54	33.648	3.77	25.65	235.2	.271
105	11.49	33.659	3.72	-	-	-	233.6	125	11.01	33.735	3.42	25.81	219.6	.329
131	10.84	33.759	3.32	-	-	-	215.0	150	10.41	33.821	3.03	25.98	203.3	.383
151	10.39	33.824	3.02	-	-	-	202.7	200	9.72	33.956	2.42	26.21	182.1	.481
181	10.00	33.891	2.75	-	-	-	191.4							
208	9.59	33.989	2.24	-	-	-	177.7							
77.55					CALCOFI CRUISE 6601								77.55	
DAVID STARR JORDAN, FEBRUARY 1 1966, 1100 GMT, 34 54.5N 121 13W, SOUNDING 323 FM, WIND 240 FORCE 1, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 05.														
0	13.00	33.404	5.78	-	-	-	279.7	0	13.00	33.404	5.78	25.18	279.7	0
10	13.00	33.405	5.90	-	-	-	279.7	10	13.00	33.405	5.90	25.18	279.7	.028
30	12.98	33.405	5.91	-	-	-	279.3	20	12.99	33.403	5.92	25.18	279.6	.056
55	12.76	33.443	5.64	-	-	-	272.4	30	12.98	33.405	5.91	25.18	279.3	.084
65	12.32	33.493	5.04	-	-	-	260.6	50	12.86	33.429	5.78	25.22	275.4	.140
74	11.60	33.606	4.14	-	-	-	239.4	75	11.56	33.613	4.07	25.61	238.2	.204
89	11.24	33.678	3.53	-	-	-	227.8	100	10.91	33.740	3.48	25.83	217.6	.262
105	10.75	33.768	3.45	-	-	-	212.8	125	10.13	33.869	3.11	26.07	195.2	.314
129	10.02	33.887	3.03	-	-	-	192.0	150	9.61	33.967	2.75	26.23	179.6	.361
148	9.64	33.962	2.77	-	-	-	180.4	200	9.06	34.069	2.30	26.40	163.5	.449
172	9.36	34.009	2.61	-	-	-	172.6	250	8.42	34.119	1.93	26.54	150.3	.529
202	9.04	34.073	2.27	-	-	-	162.9	300	7.83	34.165	1.56	26.66	138.5	.604
229	8.82	34.117	1.94	-	-	-	156.4	400	6.83	34.210	.87	26.84	121.7	.740
269	8.04	34.121	1.94	-	-	-	144.7	500	5.90	34.249	.46	26.99	107.3	.860
327	7.72	34.205	1.18	-	-	-	134.0							
399	6.84	34.210	.87	-	-	-	121.9							
473	6.14	34.235	.56	-	-	-	111.2							
550	5.48	34.283	.31	-	-	-	99.8							
77.60					CALCOFI CRUISE 6601								77.60	
DAVID STARR JORDAN, FEBRUARY 1 1966, 1343 GMT, 34 44N 121 34W, SOUNDING 440 FM, WIND 190 FORCE 4, WEATHER DRIZZLE, SEA VERY ROUGH, WIRE ANGLE 10.														
0	12.94	33.380	6.15	-	-	-	280.4	0	12.94	33.380	6.15	25.17	280.4	0
10	12.90	33.375	6.18	-	-	-	280.0	10	12.90	33.375	6.18	25.18	280.0	.028
30	12.88	33.371	6.12	-	-	-	279.9	20	12.89	33.372	6.16	25.17	280.0	.056
50	12.77K	33.38 G	-	-	-	-	277.2	30	12.88	33.371	6.12	25.18	279.9	.084
60	11.44	33.540	4.03	-	-	-	241.5	50	12.77	33.380	4.65	25.20	277.2	.140
69	10.94	33.610	4.14	-	-	-	227.7	75	10.69	33.643	4.02	25.79	221.1	.203
83	10.42	33.681	3.80	-	-	-	213.8	100	9.93	33.784	3.52	26.04	198.2	.256
98	9.96	33.765	3.61	-	-	-	200.1	125	9.62	33.958	2.81	26.22	180.4	.303
114	9.75	33.912	2.89	-	-	-	185.9	150	9.38	34.003	2.61	26.30	173.3	.348
141	9.46	33.988	2.69	-	-	-	175.7	200	8.89	34.095	2.19	26.45	159.0	.433
160	9.29	34.018	2.53	-	-	-	170.8	250	8.31	34.187	1.50	26.61	143.7	.511
192	9.00	34.071	2.35	-	-	-	162.5	300	7.86	34.218	1.17	26.70	135.0	.583
219	8.61	34.150	1.79	-	-	-	150.8	400	6.89	34.238	.86	26.85	120.4	.716
249	8.32	34.186	1.51	-	-	-	143.9	500	6.18	34.288	.48	26.99	107.8	.837
298	7.87	34.216	1.18	-	-	-	135.3	600	5.37	34.339	.29	27.13	94.4	.945
349	7.50	34.248	1.00	-	-	-	127.8							
433	6.51	34.232	.76	-	-	-	116.0							
517	6.07	34.299	.43	-	-	-	105.6							
603	5.34	34.340	.29	-	-	-	94.0							

77.80 CALCOFI CRUISE 6601 77.80

DAVID STARR JORDAN, JANUARY 29 1966, 2107 GMT, 34 04N 122 57W, SOUNDING 2400 FM, WIND 160 FORCE 6, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 17.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T	OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
2	12.88	33.210	5.92	-	-	-	291.8	0	12.88	33.210	5.92	25.05	291.8	0
11	12.86	33.204	6.04	-	-	-	291.8	10	12.86	33.204	6.03	25.05	291.8	.029
30	12.85	33.231	5.97	-	-	-	289.6	20	12.86	33.213	6.03	25.06	291.1	.058
59	12.82	33.288	5.96	-	-	-	284.9	30	12.85	33.231	5.97	25.07	289.6	.087
67	12.38	33.301	5.58	-	-	-	275.8	50	12.83	33.270	5.96	25.11	286.4	.145
81	10.51	33.372	4.72	-	-	-	238.1	75	11.32	33.330	5.09	25.44	254.8	.213
95	9.93	33.570	4.07	-	-	-	214.1	100	9.87	33.626	3.88	25.92	209.0	.272
110	9.80	33.715	3.59	-	-	-	201.3	125	9.33	33.772	3.43	26.13	189.7	.322
134	9.06	33.798	3.36	-	-	-	183.6	150	9.04	33.909	2.95	26.28	175.1	.368
154	9.04	33.936	2.86	-	-	-	173.1	200	8.17	34.006	2.67	26.49	155.0	.452
181	8.52	33.980	2.84	-	-	-	162.1	250	7.55	34.050	2.12	26.62	143.2	.529
211	7.98	34.019	2.55	-	-	-	151.5	300	7.29	34.114	1.48	26.70	134.9	.601
245	7.58	34.044	2.18	-	-	-	144.1	400	6.47	34.186	.75	26.87	118.9	.733
295	7.32	34.108	1.54	-	-	-	135.8	500	5.67	34.247	.38	27.02	104.6	.850
348	6.95	34.163	1.01	-	-	-	126.8	600	5.13	34.302	.24	27.13	94.5	.956
430	6.18	34.196	.65	-	-	-	114.6							
515	5.57	34.257	.34	-	-	-	102.8							
598	5.14	34.301	.24	-	-	-	94.6							

77.90 CALCOFI CRUISE 6601 77.90

DAVID STARR JORDAN, JANUARY 29 1966, 1600 GMT, 33 43N 123 39W, SOUNDING 2400 FM, WIND 170 FORCE 4, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 22.

0	12.78	33.312	6.08	-	-	-	282.4	0	12.78	33.312	6.08	25.15	282.4	0
11	12.74	33.311	6.05	-	-	-	281.7	10	12.74	33.311	6.05	25.16	281.7	.028
20	12.74K	33.31 G	-	-	-	-	281.8	20	12.74	33.310	6.02	25.16	281.8	.056
30	12.74	33.314	5.95	-	-	-	281.5	30	12.74	33.314	5.95	25.16	281.5	.085
50	12.70K	33.31 G	-	-	-	-	281.0	50	12.70	33.310	5.61	25.16	281.0	.141
69	11.32	33.341	4.97	-	-	-	254.1	75	10.71	33.417	4.68	25.62	238.1	.206
76	10.62	33.431	4.63	-	-	-	235.6	100	9.93	33.632	4.04	25.92	209.4	.263
92	10.19	33.570	4.25	-	-	-	218.2	125	9.30	33.855	3.29	26.19	183.1	.312
105	9.76	33.672	3.90	-	-	-	203.8	150	9.05	33.987	2.71	26.34	169.5	.357
118	9.38	33.792	3.53	-	-	-	189.0	200	8.46	34.079	2.09	26.50	153.9	.440
142	9.23	33.970	2.80	-	-	-	173.5	250	7.81	34.110	1.76	26.62	142.4	.516
162	8.78	33.998	2.62	-	-	-	164.6	300	7.27	34.130	1.41	26.72	133.5	.587
188	8.58	34.045	2.31	-	-	-	158.2	400	6.35	34.187	.75	26.89	117.4	.717
215	8.28	34.113	1.85	-	-	-	148.7	500	5.70	34.243	.35	27.01	105.3	.835
241	7.92	34.109	1.80	-	-	-	143.9							
293	7.35	34.125	1.48	-	-	-	134.9							
345	6.79	34.161	.99	-	-	-	124.9							
424	6.19	34.198	.68	-	-	-	114.6							
505	5.67	34.247	.34	-	-	-	104.7							
589	5.20	34.318	.25	-	-	-	94.0							

80.52 CALCOFI CRUISE 6601 80.52

DAVID STARR JORDAN, FEBRUARY 2 1966, 0910 GMT, 34 24N 120 36.5W, SOUNDING 136 FM, WIND 340 FORCE 2, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 07.

1	13.96	33.406	5.73	-	-	-	298.1	0	13.96	33.406	5.73	24.98	298.1	0
11	13.94	33.402	5.76	-	-	-	298.0	10	13.94	33.402	5.76	24.99	298.0	.030
31	13.94	33.402	5.75	-	-	-	298.0	20	13.95	33.400	5.76	24.98	298.4	.060
46	13.78	33.413	5.56	-	-	-	294.1	30	13.94	33.402	5.75	24.99	298.1	.090
50	13.64K	33.43 G	-	-	-	-	290.1	50	13.64	33.430	5.23	25.07	290.1	.149
56	13.08	33.475	4.73	-	-	-	276.0	75	12.62	33.526	4.47	25.35	263.7	.218
70	12.75	33.518	4.52	-	-	-	266.7	100	11.67	33.621	3.96	25.60	239.5	.282
84	12.36	33.544	4.37	-	-	-	257.6	125	11.11	33.729	3.45	25.79	221.8	.340
105	11.46	33.648	3.82	-	-	-	233.8	150	10.63	33.834	3.02	25.95	206.0	.394
130	11.05	33.748	3.37	-	-	-	219.4	200	9.06	34.095	1.79	26.42	161.6	.488
150	10.63	33.834	3.02	-	-	-	206.0							
179	9.50	34.025	2.08	-	-	-	173.6							
203	9.02	34.100	1.77	-	-	-	160.6							

80.55 CALCOFI CRUISE 6601 80.55

DAVID STARR JORDAN, FEBRUARY 2 1966, 1114 GMT, 34 18.5N 120 48W, SOUNDING 415 FM, WIND 290 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 09.

2	13.89	33.398	5.77	-	-	-	297.3	0	13.89	33.398	5.77	24.99	297.3	0
12	13.87	33.400	5.77	-	-	-	296.8	10	13.88	33.400	5.77	25.00	296.9	.030
32	13.66	33.383	5.83	-	-	-	293.9	20	13.84	33.395	5.79	25.00	296.5	.059
42	13.32	33.376	5.86	-	-	-	287.9	30	13.70	33.385	5.82	25.02	294.5	.089
56	13.10	33.420	5.39	-	-	-	280.5	50	13.22	33.392	5.67	25.12	284.9	.147
70	12.08	33.547	4.28	-	-	-	252.3	75	11.89	33.575	4.10	25.52	246.9	.214
95	11.50	33.645	3.81	-	-	-	234.8	100	11.41	33.654	3.76	25.67	232.5	.274
114	11.16	33.684	3.63	-	-	-	226.0	125	10.92	33.734	3.42	25.82	218.3	.331
134	10.72	33.779	3.23	-	-	-	211.5	150	10.36	33.847	2.92	26.01	200.5	.385
154	10.27	33.863	2.85	-	-	-	197.9	200	9.45	33.995	2.46	26.28	174.9	.480
182	9.66	33.952	2.62	-	-	-	181.5	250	9.00	34.087	2.05	26.42	161.3	.566
220	9.28	34.035	2.29	-	-	-	169.4	300	8.51	34.168	1.48	26.56	148.0	.646
249	9.01	34.085	2.06	-	-	-	161.6	400	6.99	34.240	.84	26.84	121.6	.787
298	8.53	34.166	1.50	-	-	-	148.4	500	6.26	34.259	.48	26.96	110.9	.910
349	7.89	34.211	1.06	-	-	-	135.9	600	5.64	34.318	.24	27.08	99.0	1.022
400	6.99G	34.24 G	-	-	-	-	121.6							
430	6.58	-	-	-	-	-	-							
512	6.20	34.264	.45	-	-	-	109.8							
596	5.67	34.315	.25	-	-	-	99.6							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
80.60					CALCOFI CRUISE 6601								80.60	
DAVID STARR JORDAN, FEBRUARY 2 1966, 1658 GMT, 34 09N 121 09W, SOUNDING 1300 FM, WIND 090 FORCE 1, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 03.														
0	13.26	33.327	5.95	-	-	-	290.3	0	13.26	33.327	5.95	25.07	290.3	0
10	13.21	33.309	5.97	-	-	-	290.7	10	13.21	33.309	5.97	25.06	290.7	.029
30	13.22	33.330	5.85	-	-	-	289.3	20	13.22	33.313	5.93	25.06	290.5	.058
60	12.92	33.406	5.58	-	-	-	278.1	30	13.22	33.330	5.85	25.08	289.3	.087
71	12.36	33.492	4.73	-	-	-	261.4	50	13.14	33.365	5.68	25.12	285.3	.145
85	10.91	33.552	4.29	-	-	-	231.5	75	11.95	33.512	4.55	25.46	252.6	.212
100	10.10	33.621	4.13	-	-	-	213.0	100	10.10	33.621	4.13	25.88	213.0	.271
115	9.82	33.733	3.69	-	-	-	200.2	125	9.72	33.773	3.41	26.06	195.6	.323
141	9.52	33.834	3.08	-	-	-	188.0	150	9.28	33.899	3.03	26.23	179.5	.370
160	9.02	33.967	3.00	-	-	-	170.5	200	8.67	34.027	2.44	26.43	160.8	.457
191	8.79	34.011	2.54	-	-	-	163.8	250	7.94	34.078	2.37	26.58	146.5	.536
219	8.38	34.058	2.31	-	-	-	154.3	300	7.18	34.117	1.64	26.72	133.2	.608
250	7.94	34.078	2.37	-	-	-	146.5	400	6.43	34.194	.84	26.88	117.8	.739
300	7.18	34.117	1.64	-	-	-	133.2	500	5.96	34.289	.50	27.02	105.0	.856
354	6.62	34.130	1.21	-	-	-	125.0	600	5.27	34.331	.35	27.14	93.8	.962
439	6.32	34.254	.59	-	-	-	112.0							
523	5.81	34.300	.47	-	-	-	102.4							
608	5.21	34.334	.34	-	-	-	92.9							
80.70					CALCOFI CRUISE 6601								80.70	
DAVID STARR JORDAN, FEBRUARY 2 1966, 2240 GMT, 33 48.5N 121 51W, SOUNDING 2000+ FM, WIND 120 FORCE 3, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 07.														
1	13.40	33.286	6.05	-	-	-	296.0	0	13.40	33.286	6.05	25.01	296.0	0
11	13.36	33.291	6.02	-	-	-	294.9	10	13.36	33.291	6.03	25.02	295.0	.030
31	13.29	33.296	5.82	-	-	-	293.2	20	13.32	33.293	5.93	25.03	294.0	.059
50	13.30K	33.31 G	-	-	-	-	292.3	30	13.29	33.296	5.83	25.04	293.2	.088
61	13.30	33.314	5.87	-	-	-	292.0	50	13.30	33.310	5.89	25.05	292.3	.147
70	12.82	33.305	5.68	-	-	-	283.6	75	12.48	33.307	5.52	25.20	277.3	.219
84	11.88	33.316	5.19	-	-	-	265.7	100	11.07	33.460	4.53	25.58	241.0	.284
99	11.15	33.449	4.55	-	-	-	243.2	125	9.71	33.697	4.36	26.00	201.2	.340
114	10.05	33.614	4.41	-	-	-	212.7	150	9.31	33.833	3.89	26.18	184.9	.389
139	9.52	33.777	4.32	-	-	-	192.3	200	8.53	34.037	2.42	26.46	158.0	.476
158	9.16	-	3.53	-	-	-	-	250	7.98	34.086	2.19	26.58	146.5	.554
189	8.59	33.992	2.74	-	-	-	162.2	300	7.37	34.145	1.48	26.71	133.7	.627
216	8.46	34.087	2.08	-	-	-	153.3	400	6.33	34.160	.91	26.87	119.1	.758
246	8.03	34.081	2.23	-	-	-	147.6	500	5.62	34.224	.53	27.01	105.8	.877
295	7.44	34.144	1.53	-	-	-	134.7	600	5.19	34.296	.30	27.12	95.6	.984
348	6.77	34.143	1.14	-	-	-	126.0							
431	6.12	34.177	.80	-	-	-	115.3							
514	5.54	34.234	.49	-	-	-	104.2							
598	5.20	34.295	.30	-	-	-	95.8							
80.80					CALCOFI CRUISE 6601								80.80	
DAVID STARR JORDAN, FEBRUARY 3 1966, 0345 GMT, 33 28.5N 122 32W, SOUNDING 2000+ FM, WIND 140 FORCE 3, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 20.														
2	12.92	33.120	6.15	-	-	-	299.1	0	12.92	33.120	6.15	24.97	299.1	0
11	12.92	33.118	6.12	-	-	-	299.3	10	12.92	33.118	6.12	24.97	299.3	.030
28	12.86	33.129	6.11	-	-	-	297.3	20	12.90	33.123	6.11	24.98	298.5	.060
50	12.62K	33.13 G	-	-	-	-	292.8	30	12.84	33.129	6.10	25.00	297.0	.090
57	12.10	33.144	5.81	-	-	-	282.3	50	12.62	33.130	5.91	25.04	292.8	.149
66	11.57	33.305	5.17	-	-	-	261.1	75	11.02	33.379	4.85	25.53	246.1	.217
80	10.75	33.406	4.73	-	-	-	239.6	100	10.20	33.590	4.13	25.84	216.9	.275
95	10.34	33.542	4.28	-	-	-	222.7	125	9.64	33.770	3.52	26.07	194.7	.327
109	9.95	33.670	3.87	-	-	-	207.0	150	9.29	33.884	3.13	26.22	180.8	.375
132	9.54	33.804	3.40	-	-	-	190.6	200	8.73	34.060	2.30	26.45	159.3	.461
151	9.28	33.888	3.11	-	-	-	180.3	250	8.14	34.132	1.79	26.59	145.3	.539
180	8.91	34.002	2.49	-	-	-	166.3	300	7.62	34.170	1.40	26.70	135.3	.612
206	8.68	34.074	2.26	-	-	-	157.5	400	6.80	34.233	.81	26.86	119.7	.745
234	8.32	34.117	1.93	-	-	-	149.0	500	5.97	34.246	.47	26.98	108.3	.865
280	7.82	34.153	1.57	-	-	-	139.3							
331	7.34	34.195	1.15	-	-	-	129.6							
410	6.73	34.236	.77	-	-	-	118.5							
489	6.04	34.241	.50	-	-	-	109.5							
572	5.62	34.299	.28	-	-	-	100.2							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DC
80.90					CALCOFI CRUISE 6601								80.90	
DAVID STARR JORDAN, FEBRUARY 3 1966, 0857 GMT, 33 09N 123 13W, SOUNDING 2300 FM, WIND 160 FORCE 5, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 06.														
0	12.93	33.193	6.18	-	-	-	293.9	0	12.93	33.193	6.18	25.03	293.9	0
10	12.94	33.190	6.14	-	-	-	294.3	10	12.94	33.190	6.14	25.02	294.3	.029
31	12.92	33.199	6.12	-	-	-	293.3	20	12.93	33.193	6.13	25.03	294.0	.059
60	12.92	33.218	6.14	-	-	-	291.9	30	12.92	33.198	6.12	25.03	293.4	.088
70	12.92	33.241	6.03	-	-	-	290.2	50	12.92	33.207	6.16	25.04	292.7	.147
75	12.50K	33.29 G	-	-	-	-	278.8	75	12.50	33.290	5.65	25.19	278.8	.219
83	11.26	33.342	4.99	-	-	-	252.9	100	10.49	33.432	4.63	25.67	233.4	.283
99	10.52	33.420	4.67	-	-	-	234.7	125	9.97	33.723	3.64	25.98	203.4	.339
113	10.22	33.606	4.10	-	-	-	216.1	150	9.50	33.894	2.96	26.19	183.4	.388
139	9.70	33.827	3.19	-	-	-	191.4	200	8.76	34.057	2.33	26.44	159.9	.475
159	9.36	33.939	2.82	-	-	-	177.8	250	8.13	34.126	1.83	26.59	145.6	.554
188	9.02	34.040	2.41	-	-	-	165.1	300	7.76	34.191	1.26	26.70	135.5	.626
217	8.41	34.074	2.22	-	-	-	153.5	400	6.85	34.241	.67	26.86	119.7	.759
246	8.16	34.120	1.88	-	-	-	146.5	500	6.12	34.291	.35	27.00	106.8	.879
297	7.78	34.189	1.28	-	-	-	136.0	600	5.50	34.316	.32	27.10	97.6	.988
351	7.34	34.218	.93	-	-	-	127.8							
434	6.53	34.256	.53	-	-	-	114.5							
516	6.02	34.297	.33	-	-	-	105.1							
600	5.50	34.316	.32	-	-	-	97.6							
80.100					CALCOFI CRUISE 6601								80.100	
DAVID STARR JORDAN, FEBRUARY 3 1966, 1427 GMT, 32 49N 123 53.5W, SOUNDING 2000+ FM, WIND 190 FORCE 5, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 05.														
1	12.97	33.028	6.05	-	-	-	306.8	0	12.97	33.028	6.05	24.89	306.8	0
11	12.95	33.020	6.04	-	-	-	307.0	10	12.95	33.021	6.04	24.89	307.0	.031
45	12.94	33.025	6.08	-	-	-	306.5	20	12.95	33.019	6.06	24.89	307.1	.061
81	12.16	33.080	5.81	-	-	-	288.1	30	12.94	33.020	6.07	24.89	306.9	.092
106	10.54	33.319	5.00	-	-	-	242.5	50	12.86	33.031	6.05	24.92	304.6	.154
120	10.21	33.467	4.55	-	-	-	226.2	75	12.38	33.057	5.90	25.03	293.8	.229
140	9.45	33.653	4.26	-	-	-	200.4	100	10.91	33.253	5.22	25.45	253.6	.298
160	9.13	33.809	3.58	-	-	-	183.9	125	10.02	33.516	4.48	25.81	219.4	.357
180	8.80	33.907	3.72	-	-	-	171.7	150	9.26	33.736	3.89	26.11	191.3	.409
215	8.17	33.977	3.59	-	-	-	157.3	200	8.44	33.957	3.68	26.41	162.6	.499
240	7.80	34.002	3.09	-	-	-	150.2	250	7.67	34.005	3.00	26.56	148.2	.579
270	7.42	34.008	2.86	-	-	-	144.6	300	6.96	34.016	2.54	26.67	137.9	.653
304	6.90	34.017	2.49	-	-	-	137.0	400	5.90	34.084	1.25	26.86	119.5	.786
351	6.23	34.038	1.82	-	-	-	127.0	500	5.63	34.216	.51	27.00	106.6	.905
415	5.84	34.102	1.10	-	-	-	117.6	600	5.16	34.292	.28	27.12	95.5	1.013
513	5.58	34.229	.45	-	-	-	105.0							
613	5.08	34.298	.26	-	-	-	94.2							
82.47					CALCOFI CRUISE 6601								82.47	
DAVID STARR JORDAN, FEBRUARY 4 1966, 2143 GMT, 34 15N 119 59W, SOUNDING 310 FM, WIND 300 FORCE 1, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 02.														
0	14.0	33.369	-	-	-	-	301.6	0	14.00	33.369		24.95	301.6	0
10	13.92	33.365	-	-	-	-	300.3	10	13.92	33.365		24.96	300.3	.030
30	13.74	33.378	-	-	-	-	295.8	20	13.84	33.369		24.98	298.3	.060
40	12.98	33.429	-	-	-	-	277.5	30	13.74	33.378		25.01	295.8	.090
51	12.73	33.468	-	-	-	-	270.0	50	12.75	33.463		25.27	270.8	.147
65	12.28	33.644	-	-	-	-	248.8	75	11.97	33.689		25.60	239.9	.211
80	11.84	33.699	-	-	-	-	236.8	100	11.68	33.767		25.71	228.9	.270
100	11.68	33.767	-	-	-	-	228.9	125	11.00	33.812		25.87	213.9	.326
124	11.04	33.806	-	-	-	-	214.9	150	10.20	33.938		26.11	191.2	.377
144	10.33	33.925	-	-	-	-	194.3	200	9.34	34.051		26.34	169.1	.469
175	9.80	33.971	-	-	-	-	182.3	250	8.79	34.149		26.51	153.6	.552
205	9.25	34.068	-	-	-	-	166.5	300	8.36	34.189		26.60	144.3	.629
234	8.93	34.129	-	-	-	-	157.1	400	7.27	34.214		26.78	127.2	.771
274	8.60	34.170	-	-	-	-	149.2	500	6.59	34.247		26.90	115.8	.899
334	8.02	34.206	-	-	-	-	138.1							
409	7.17	34.216	-	-	-	-	125.7							
482	6.60	34.242	-	-	-	-	116.4							
563	6.54	34.260	-	-	-	-	114.3							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
83.43					CALCOFI CRUISE 6601								83.43	
DAVID STARR JORDAN, FEBRUARY 5 1966, 0115 GMT, 34 08N 119 34W, SOUNDING 130 FM, WIND 270 FORCE 1, WEATHER DRIZZLE, SEA SLIGHT, WIRE ANGLE 11.														
0	14.10	33.392	5.85	-	-	-	301.9	0	14.10	33.392	5.85	24.94	301.9	0
10	13.91	33.402	5.79	-	-	-	297.4	10	13.91	33.402	5.79	24.99	297.4	.030
29	13.72	33.426	5.40	-	-	-	291.9	20	13.80	33.408	5.68	25.02	294.7	.060
30	13.71K	33.43 G	-	-	-	-	291.4	30	13.71	33.430	5.32	25.05	291.4	.089
43	12.78	33.549	4.33	-	-	-	265.0	50	12.72	33.554	4.29	25.35	263.5	.145
54	12.67	33.559	4.27	-	-	-	262.2	75	11.84	33.667	3.94	25.60	239.2	.208
69	12.20	33.606	4.24	-	-	-	250.1	100	11.26	33.773	3.34	25.79	221.1	.266
82	11.44	33.738	3.56	-	-	-	226.9	125	10.70	33.871	2.98	25.97	204.4	.320
103	11.22	33.780	3.30	-	-	-	219.9	150	10.39	33.919	2.76	26.06	195.6	.370
127	10.65	33.879	2.95	-	-	-	203.0	200	9.47	34.046	2.16	26.32	171.6	.464
147	10.42	33.913	2.77	-	-	-	196.6							
177	9.97	33.982	2.62	-	-	-	184.2							
202	9.42	34.052	2.11	-	-	-	170.3							
83.51					CALCOFI CRUISE 6601								83.51	
DAVID STARR JORDAN, FEBRUARY 4 1966, 1807 GMT, 33 52N 120 07.5W, SOUNDING 100 FM, WIND 160 FORCE 1, WEATHER CLOUDY, SEA HIGH, WIRE ANGLE 06.														
1	13.90	33.382	5.99	-	-	-	298.7	0	13.90	33.382	5.99	24.98	298.7	0
11	13.79	33.384	5.89	-	-	-	296.4	10	13.81	33.384	5.91	25.00	296.7	.030
20	13.60K	33.39 G	-	-	-	-	292.2	20	13.60	33.390	5.59	25.05	292.2	.059
22	13.34	33.395	5.51	-	-	-	286.9	30	12.98	33.415	5.17	25.19	278.5	.088
31	12.94	33.418	5.12	-	-	-	277.6	50	12.19	33.552	4.26	25.45	253.9	.141
51	12.16	33.557	4.23	-	-	-	253.0	75	11.88	33.641	3.89	25.58	241.7	.204
76	11.87	33.643	3.88	-	-	-	241.4							
83.55					CALCOFI CRUISE 6601								83.55	
DAVID STARR JORDAN, FEBRUARY 4 1966, 1527 GMT, 33 45N 120 22.5W, SOUNDING 600 FM, WIND 160 FORCE 1, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 17.														
0	13.7	33.266	6.04	-	-	-	303.3	0	13.70	33.266	6.04	24.93	303.3	0
9	13.70	33.265	6.10	-	-	-	303.4	10	13.69	33.266	6.10	24.93	303.1	.030
30	13.36	33.285	6.02	-	-	-	295.3	20	13.54	33.273	6.07	24.97	299.6	.061
59	13.26	33.325	6.00	-	-	-	290.5	30	13.36	33.285	6.02	25.01	295.3	.090
68	12.57	33.318	5.72	-	-	-	278.1	50	13.29	33.317	6.01	25.05	291.7	.149
83	11.66	33.311	5.26	-	-	-	262.2	75	12.13	33.308	5.51	25.27	270.7	.220
96	10.84	33.385	4.82	-	-	-	242.6	100	10.61	33.441	4.67	25.65	234.7	.284
110	10.13	33.595	4.30	-	-	-	215.4	125	9.79	33.755	3.68	26.04	198.1	.338
138	9.66	33.851	3.21	-	-	-	189.0	150	9.51	33.913	2.96	26.21	182.0	.386
156	9.44	33.938	2.86	-	-	-	179.1	200	8.83	34.062	2.40	26.43	160.6	.474
184	9.04	34.039	2.51	-	-	-	165.5	250	8.26	34.111	1.95	26.56	148.5	.553
212	8.68	34.072	2.32	-	-	-	157.6	300	7.81	34.154	1.48	26.66	139.0	.627
239	8.36	34.097	2.08	-	-	-	151.1	400	6.99	34.202	.88	26.81	124.4	.765
287	7.94	34.153	1.56	-	-	-	140.9	500	6.29	34.255	.51	26.95	111.6	.889
338	7.43	34.157	1.29	-	-	-	133.6	600	5.70	34.314	.36	27.07	100.1	1.002
418	6.88	34.217	.77	-	-	-	121.8							
499	6.30	34.254	.51	-	-	-	111.7							
582	5.80	34.302	.37	-	-	-	102.1							
83.60					CALCOFI CRUISE 6601								83.60	
DAVID STARR JORDAN, FEBRUARY 4 1966, 1205 1227 GMT, 33 34N 120 45W, SOUNDING 820 FM, WIND 140 FORCE 2, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 16 25.														
0	13.3	33.383	5.97	-	-	-	287.0	0	13.30	33.383	5.97	25.10	287.0	0
8	13.37	33.378	6.02	-	-	-	288.7	10	13.37	33.378	6.05	25.08	288.7	.029
20	13.36K	33.38 G	-	-	-	-	288.3	20	13.36	33.380	6.10	25.09	288.3	.058
30	13.35	33.379	6.04	-	-	-	288.2	30	13.35	33.379	6.04	25.09	288.2	.087
50	13.34K	33.38 G	-	-	-	-	288.0	50	13.34	33.380	4.99	25.09	288.0	.144
58	11.61	33.510	4.51	-	-	-	246.6	75	10.73	33.604	3.99	25.76	224.6	.209
68	10.97	33.556	4.20	-	-	-	232.2	100	10.02	33.758	3.48	26.00	201.6	.263
81	10.58	33.649	3.82	-	-	-	218.8	125	9.52	33.849	3.20	26.15	186.9	.312
96	10.10	33.743	3.53	-	-	-	204.0	150	9.05	33.959	2.84	26.32	171.6	.357
110	9.85	33.789	3.36	-	-	-	196.6	200	8.09	34.053	2.37	26.54	150.6	.439
135	9.30	33.892	3.08	-	-	-	180.3	250	7.50	34.089	1.93	26.65	139.6	.514
154	8.99	33.976	2.77	-	-	-	169.4	300	7.07	34.122	1.51	26.74	131.4	.584
181	8.50	34.039	2.46	-	-	-	157.4	400	6.46	34.186	.84	26.87	118.8	.714
199A	8.11	34.052	2.38	-	-	-	150.8	500	5.68	34.257	.44	27.03	104.1	.831
228A	7.74	34.069	2.15	-	-	-	144.4							
273A	7.28	34.110	1.70	-	-	-	135.1							
324A	6.90	34.131	1.36	-	-	-	128.5							
405A	6.43	34.190	.81	-	-	-	118.1							
487A	5.76	34.248	.48	-	-	-	105.7							
572A	5.42	34.307	.30	-	-	-	97.3							

A) CAST 11.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
83.70					CALCOFI CRUISE 6601								83.70	
DAVID STARR JORDAN, FEBRUARY 4 1966, 0655 GMT, 33 14.5N 121 26W, SOUNDING 2000+ FM, WIND 150 FORCE 3, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 31.														
0	13.4	33.353	-	-	-	-	291.1	0	13.40	33.353	-0	25.06	291.1	0
8	13.37	33.319	5.93	-	-	-	293.0	10	13.37	33.319	5.92	25.04	293.0	.029
25	13.38	33.318	5.84	-	-	-	293.3	20	13.37	33.318	5.86	25.04	293.2	.059
50	13.32	33.320	5.81	-	-	-	292.0	30	13.37	33.318	5.83	25.04	293.1	.088
58	13.04	33.358	5.60	-	-	-	283.9	50	13.32	33.320	5.81	25.05	292.0	.147
70	12.04	33.452	4.84	-	-	-	258.5	75	11.59	33.497	4.69	25.52	247.3	.214
83	10.93	33.569	4.45	-	-	-	230.6	100	10.14	33.690	3.65	25.93	208.5	.272
95	10.28	33.666	3.74	-	-	-	212.6	125	9.50	33.816	3.35	26.13	189.1	.322
115	9.82	33.753	3.56	-	-	-	198.8	150	9.04	33.984	2.90	26.34	169.6	.368
131	9.32	33.857	3.22	-	-	-	183.2	200	8.42	34.081	2.44	26.51	153.2	.450
152	9.02	33.995	2.87	-	-	-	168.4	250	7.63	34.115	2.00	26.66	139.4	.525
174	8.70	34.038	2.70	-	-	-	160.4	300	7.12	34.197	1.65	26.79	126.5	.594
196	8.48	34.078	2.49	-	-	-	154.2	400	6.44	34.261	.76	26.93	113.0	.719
235	7.84	34.086	2.06	-	-	-	144.5	500	5.56	34.248	.43	27.03	103.4	.833
279	7.28	34.178	1.88	-	-	-	130.0							
346	6.85	34.219	1.10	-	-	-	121.3							
418	6.29	34.267	.67	-	-	-	110.7							
493	5.63	34.253	.44	-	-	-	103.8							
83.80					CALCOFI CRUISE 6601								83.80	
DAVID STARR JORDAN, FEBRUARY 4 1966, 0206 GMT, 32 54N 122 08W, SOUNDING 2000+ FM, WIND 150 FORCE 3, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 12.														
0	13.0	33.12	-	-	-	-	300.6	0	13.00	33.120	-0	24.96	300.6	0
10	13.02	33.087	-	-	-	-	303.4	10	13.02	33.087	0	24.93	303.4	.030
30	13.01	33.084	-	-	-	-	303.5	20	13.02	33.085	0	24.93	303.6	.061
60	12.97	33.094	-	-	-	-	302.0	30	13.01	33.084	0	24.93	303.5	.091
70	12.24	33.123	-	-	-	-	286.4	50	12.99	33.089	0	24.94	302.6	.152
83	11.36	33.179	-	-	-	-	266.7	75	11.91	33.133	0	25.18	279.7	.225
98	10.14	33.456	-	-	-	-	225.9	100	10.05	33.491	0	25.79	221.8	.288
113	9.62	33.686	-	-	-	-	200.6	125	9.27	33.776	0	26.14	188.4	.340
138	8.94	33.830	-	-	-	-	179.5	150	8.69	33.890	0	26.32	171.3	.386
158	8.55	33.923	-	-	-	-	166.8	200	8.08	33.994	0	26.49	154.6	.469
186	8.26	33.979	-	-	-	-	158.4	250	7.64	34.056	0	26.61	144.0	.545
214	7.90	34.007	-	-	-	-	151.2	300	7.33	34.149	0	26.72	132.8	.617
243	7.68	34.043	-	-	-	-	145.5	400	6.51	34.216	0	26.89	117.2	.747
291	7.40	34.136	-	-	-	-	134.8	500	5.91	34.284	0	27.02	104.8	.864
344	6.94	34.194	-	-	-	-	124.3	600	5.34	34.342	0	27.13	93.9	.970
426	6.33	34.224	-	-	-	-	114.4							
507	5.87	34.289	-	-	-	-	103.9							
590	5.40	34.337	-	-	-	-	94.9							
83.90					CALCOFI CRUISE 6601								83.90	
DAVID STARR JORDAN, FEBRUARY 3 1966, 2043 GMT, 32 32N 122 54W, SOUNDING 2300 FM, WIND 170 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 20.														
0	13.34	33.100	-	-	-	-	308.5	0	13.34	33.100		24.88	308.5	0
9	13.35	33.095	-	-	-	-	309.1	10	13.35	33.100		24.87	308.6	.031
27	13.28	33.215	-	-	-	-	298.9	20	13.33	33.163		24.93	303.6	.062
50	12.91K	33.25 G	-	-	-	-	289.4	30	13.25	33.221		24.99	297.8	.092
59	12.41	33.282	-	-	-	-	277.8	50	12.91	33.250		25.08	289.4	.151
72	11.68	33.367	-	-	-	-	258.4	75	11.49	33.390		25.45	253.4	.219
75	11.49K	33.39 G	-	-	-	-	253.4	100	9.80	33.680		25.98	203.9	.276
85	10.12	33.513	-	-	-	-	221.3	125	9.66	33.950		26.21	181.6	.325
98	9.82	33.652	-	-	-	-	206.2	150	9.45	34.038		26.31	171.8	.370
116	9.74	33.889	-	-	-	-	187.4	200	9.02	34.135		26.46	158.1	.454
143	9.49	34.017	-	-	-	-	174.0	250	8.50	34.193		26.59	146.0	.532
162	9.38	34.068	-	-	-	-	168.5	300	7.74	34.179		26.69	136.2	.605
196	9.06	34.128	-	-	-	-	159.2	400	6.51	34.161		26.85	121.3	.739
232	8.68	34.178	-	-	-	-	149.8	500	5.85	34.226		26.98	108.3	.860
278	8.16	34.199	-	-	-	-	140.6							
323	7.30	34.154	-	-	-	-	132.1							
378	6.70	34.151	-	-	-	-	124.5							
462	6.06	34.198	-	-	-	-	113.0							
559	5.61	34.279	-	-	-	-	101.6							

INPUT

OUTPUT AT STANDARD LEVELS OF DEPTH

87.35 CALCOFI CRUISE 6601 87.35

DAVID STARR JORDAN, FEBRUARY 5 1966, 0941 GMT, 33 50N 118 37.5W, SOUNDING 300 FM, WIND 270 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 05.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	14.05	33.401	5.78	-	-	-	300.3
10	14.06	33.392	5.73	-	-	-	301.1
30	14.06	33.404	5.64	-	-	-	300.2
45	14.06	33.392	5.41	-	-	-	301.1
55	13.73	33.422	5.25	-	-	-	292.4
70	12.96	33.504	4.48	-	-	-	271.6
84	12.22	33.573	4.21	-	-	-	252.9
99	11.93	33.628	3.86	-	-	-	243.6
124	11.35	33.813	3.10	-	-	-	219.8
144	10.43	33.915	2.80	-	-	-	196.6
173	9.84	34.031	2.56	-	-	-	178.5
203	9.02	34.086	2.22	-	-	-	161.7
237	8.68	34.159	1.86	-	-	-	151.2
291	8.20	34.154	1.31	-	-	-	144.5
345	7.78	34.215	.85	-	-	-	134.1
404	7.45	34.266	.77	-	-	-	125.8

Z	T	S	OXY	SIG*T	D*T	DD
0	14.05	33.401	5.78	24.96	300.3	0
10	14.06	33.392	5.73	24.95	301.1	.030
20	14.06	33.397	5.70	24.96	300.7	.060
30	14.06	33.404	5.64	24.96	300.2	.090
50	13.92	33.404	5.35	24.99	297.5	.150
75	12.67	33.530	4.36	25.34	264.3	.221
100	11.91	33.635	3.83	25.57	242.8	.285
125	11.30	33.819	3.08	25.82	218.5	.343
150	10.28	33.943	2.74	26.10	192.1	.395
200	9.10	34.082	2.26	26.40	163.1	.486
250	8.56	34.162	1.72	26.55	149.2	.566
300	8.12	34.165	1.21	26.62	142.6	.641
400	7.47	34.263	.77	26.79	126.2	.782

87.40 CALCOFI CRUISE 6601 87.40

DAVID STARR JORDAN, FEBRUARY 6 1966, 2056 GMT, 33 38.5N 118 58W, SOUNDING 390 FM, WIND 270 FORCE 4, WEATHER RAIN, SEA MODERATE, WIRE ANGLE 07.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	14.27	33.377	5.82	-	-	-	306.4
10	14.26	33.377	5.79	-	-	-	306.2
20	14.25K	33.38 G	-	-	-	-	305.8
30	13.62	33.502	4.86	-	-	-	284.4
45	12.95	33.613	3.94	-	-	-	263.4
55	12.68	33.652	3.69	-	-	-	255.5
70	12.46	33.691	3.61	-	-	-	248.6
83	11.97	33.751	3.20	-	-	-	235.3
98	11.56	33.748	3.26	-	-	-	228.2
122	11.15	33.914	2.51	-	-	-	208.9
125	11.10K	33.92 G	-	-	-	-	207.6
140	10.32	33.943	2.47	-	-	-	192.8
169	9.68	34.009	2.68	-	-	-	177.6
197	9.11	34.050	2.35	-	-	-	165.7
224	8.90	34.089	2.15	-	-	-	159.6
260	8.45	34.155	1.67	-	-	-	148.1
317	7.85	34.211	1.06	-	-	-	135.4
368	7.57	34.250	.58	-	-	-	128.6
428	7.22	34.288	.48	-	-	-	121.0
485	6.70	34.303	.38	-	-	-	113.1

Z	T	S	OXY	SIG*T	D*T	DD
0	14.27	33.377	5.82	24.90	306.4	0
10	14.26	33.377	5.79	24.90	306.2	.031
20	14.25	33.380	5.42	24.90	305.8	.061
30	13.62	33.502	4.86	25.13	284.4	.091
50	12.80	33.635	3.79	25.40	259.0	.145
75	12.28	33.716	3.45	25.56	243.5	.209
100	11.52	33.762	3.20	25.74	226.5	.268
125	11.10	33.920	2.48	25.94	207.6	.323
150	10.03	33.966	2.55	26.16	186.4	.373
200	9.08	34.054	2.33	26.39	165.0	.462
250	8.58	34.137	1.81	26.53	151.4	.543
300	8.01	34.198	1.23	26.66	138.5	.618
400	7.41	34.273	.53	26.81	124.7	.756
500	6.53	34.304	.35	26.95	111.0	.880

87.45 CALCOFI CRUISE 6601 87.45

DAVID STARR JORDAN, FEBRUARY 6 1966, 2359 GMT, 33 30N 119 19W, SOUNDING 920 FM, WIND 290 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 12.

Z	T	S	OXY	PHO	SIL	NIT	D*T
1	14.07	33.346	5.98	-	-	-	304.7
11	14.06	33.343	5.91	-	-	-	304.7
30	14.02	33.369	5.91	-	-	-	302.0
40	13.78	33.423	5.74	-	-	-	293.3
50	13.10K	33.44 G	-	-	-	-	279.0
55	12.45	33.456	4.49	-	-	-	265.7
69	11.69	33.549	4.27	-	-	-	245.2
92	11.08	33.728	3.58	-	-	-	221.4
112	10.16	33.898	2.91	-	-	-	193.5
131	9.84	33.962	2.66	-	-	-	183.6
150	9.64	33.998	2.58	-	-	-	177.8
179	9.24	34.034	2.49	-	-	-	168.9
212	8.82	34.114	2.01	-	-	-	156.6
241	8.64	34.169	1.60	-	-	-	149.8
290	8.32	34.211	1.22	-	-	-	142.0
344	7.92	34.262	.81	-	-	-	132.5
426	6.96	34.300	.42	-	-	-	116.7
509	6.25	34.328	.24	-	-	-	105.6
593	5.82	34.370	.22	-	-	-	97.3

Z	T	S	OXY	SIG*T	D*T	DD
0	14.07	33.346	5.98	24.92	304.7	0
10	14.06	33.343	5.91	24.92	304.7	.030
20	14.04	33.352	5.93	24.93	303.7	.061
30	14.02	33.369	5.91	24.94	302.0	.091
50	13.10	33.440	4.91	25.19	279.0	.150
75	11.52	33.593	4.11	25.61	238.8	.215
100	10.70	33.802	3.29	25.92	209.5	.271
125	9.91	33.948	2.71	26.17	185.7	.321
150	9.64	33.998	2.58	26.25	177.8	.367
200	8.96	34.084	2.21	26.43	160.9	.454
250	8.58	34.179	1.52	26.56	148.3	.533
300	8.25	34.221	1.14	26.64	140.4	.608
400	7.27	34.291	.52	26.84	121.5	.744
500	6.31	34.324	.25	27.00	106.7	.865
600	5.80	34.374	.22	27.11	96.7	.974

87.50

CALCOFI CRUISE 6601

DAVID STARR JORDAN, FEBRUARY 7 1966, 0311 GMT, 33 20N 119 39.5W, SOUNDING 40 FM, WIND 290 FORCE 6, WEATHER CLOUDY,
SEA VERY ROUGH, WIRE ANGLE 17.

87.50

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
1	13.59	33.336	5.96	-	-	-	296.0
11	13.60	33.334	5.99	-	-	-	296.4
20	13.58	33.339	5.99	-	-	-	295.6
30	13.57	33.336	6.04	-	-	-	295.6
41	13.39	33.373	5.76	-	-	-	289.4
58	12.76	33.428	5.31	-	-	-	273.5

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	13.59	33.336	5.96	25.01	296.0	0
10	13.60	33.334	5.99	25.00	296.4	.030
20	13.58	33.339	5.99	25.01	295.6	.059
30	13.57	33.336	6.04	25.01	295.6	.089
50	13.11	33.402	5.52	25.15	281.9	.147

93.28

CALCOFI CRUISE 6601

DAVID STARR JORDAN, JANUARY 15 1966, 2305 GMT, 32 55N 117 22W, SOUNDING 250 FM, WIND 330 FORCE 1, WEATHER CLOUDY,
SEA SLIGHT, WIRE ANGLE 05.

93.28

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	15.30	33.277	5.95	-	-	-	334.8
10	14.54	33.269	6.07	-	-	-	319.7
30	14.51	33.264	5.95	-	-	-	319.5
45	13.50	33.311	5.59	-	-	-	296.1
60	12.38	33.649	3.89	-	-	-	250.2
74	12.26	33.668	3.77	-	-	-	246.6
89	11.93	33.722	3.57	-	-	-	236.7
108	11.88	33.762	3.39	-	-	-	232.9
134	11.34	33.781	3.28	-	-	-	221.9
163	10.22	33.947	2.64	-	-	-	190.8
199	9.66	34.058	2.29	-	-	-	173.6
232	9.24	34.118	2.05	-	-	-	162.7
273	8.70	34.176	1.67	-	-	-	150.2
316	8.18	34.197	1.35	-	-	-	141.1
355	7.90	34.219	1.09	-	-	-	135.5

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	15.30	33.277	5.95	24.60	334.8	0
10	14.54	33.269	6.07	24.76	319.7	.033
20	14.52	33.261	6.07	24.75	320.0	.065
30	14.51	33.264	5.95	24.76	319.5	.097
50	13.08	33.426	5.01	25.18	279.6	.157
75	12.24	33.671	3.76	25.53	246.0	.223
100	11.90	33.748	3.46	25.66	234.2	.284
125	11.58	33.777	3.33	25.74	226.5	.342
150	10.72	33.867	2.94	25.96	205.0	.396
200	9.65	34.060	2.28	26.30	173.3	.493
250	9.00	34.147	1.88	26.47	156.9	.578
300	8.35	34.189	1.46	26.61	144.1	.655

93.30

CALCOFI CRUISE 6601

DAVID STARR JORDAN, JANUARY 15 1966, 2111 GMT, 32 50.5N 117 31W, SOUNDING 400+ FM, WIND CALM, WEATHER PARTLY CLOUDY,
SEA SLIGHT, WIRE ANGLE 03.

93.30

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	15.14	33.346	5.80	-	-	-	326.4
10	14.78	33.337	5.82	-	-	-	319.6
30	14.56	33.360	5.59	-	-	-	313.5
41	13.52	33.306	5.54	-	-	-	296.9
50	12.95	33.343	5.16	-	-	-	283.3
65	12.25	33.464	4.65	-	-	-	261.5
79	11.79	33.578	4.16	-	-	-	244.8
100	11.38	33.705	3.63	-	-	-	228.2
124	10.84	33.876	2.87	-	-	-	206.4
145	10.39	33.928	2.74	-	-	-	195.0
175	9.87	34.019	2.50	-	-	-	179.9
232	9.38	34.167	1.81	-	-	-	161.2
273	8.88	34.177	1.70	-	-	-	152.8
333	8.04	34.211	1.20	-	-	-	138.0
404	7.45	34.253	.81	-	-	-	126.7
480	6.78	34.310	.37	-	-	-	113.6
559	6.08	34.341	.24	-	-	-	102.6

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	15.14	33.346	5.80	24.69	326.4	0
10	14.78	33.337	5.82	24.76	319.6	.032
20	14.63	33.355	5.72	24.80	315.3	.064
30	14.56	33.360	5.59	24.82	313.5	.096
50	12.95	33.343	5.16	25.14	283.3	.155
75	11.90	33.547	4.30	25.50	249.2	.222
100	11.38	33.705	3.63	25.72	228.2	.283
125	10.82	33.879	2.86	25.96	205.7	.337
150	10.29	33.943	2.71	26.10	192.3	.388
200	9.63	34.096	2.18	26.33	170.4	.480
250	9.17	34.171	1.75	26.46	157.7	.565
300	8.49	34.191	1.49	26.59	146.0	.643
400	7.48	34.250	.83	26.78	127.3	.786
500	6.60	34.321	.31	26.96	110.6	.912

93.40

CALCOFI CRUISE 6601

DAVID STARR JORDAN, JANUARY 15 1966, 1444 GMT, 32 30N 118 12W, SOUNDING 1000 FM, WIND CALM, WEATHER CLEAR,
SEA MODERATE, WIRE ANGLE 02.

93.40

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
2	14.78	33.379	5.79	-	-	-	316.6
12	14.72	33.381	5.88	-	-	-	315.2
20	14.73K	33.39 G	-	-	-	-	314.7
30	14.74K	33.40 G	-	-	-	-	314.2
33	14.74	33.397	5.82	-	-	-	314.4
42	13.32	33.315	5.54	-	-	-	292.4
50	12.99K	33.38 G	-	-	-	-	281.3
57	12.71	33.410	5.03	-	-	-	273.9
71	12.12	33.510	4.64	-	-	-	255.7
96	11.11	33.668	4.04	-	-	-	226.3
116	10.50	33.807	3.54	-	-	-	205.8
135	10.15	33.897	3.30	-	-	-	193.4
155	9.76	33.970	3.04	-	-	-	181.7
185	9.25	34.042	2.66	-	-	-	168.4
219	8.78	34.093	2.22	-	-	-	157.6
250	8.60	34.195	1.63	-	-	-	147.3
299	7.83	34.184	1.32	-	-	-	137.1
354	7.27	34.215	.94	-	-	-	127.1
438	6.68	34.264	.52	-	-	-	115.8
521	6.19	34.321	.36	-	-	-	105.4
606	5.75	34.355	.24	-	-	-	97.6

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	14.78	33.379	5.79	24.79	316.6	0
10	14.73	33.380	5.87	24.80	315.4	.032
20	14.73	33.390	5.88	24.81	314.7	.063
30	14.74	33.400	5.86	24.82	314.2	.095
50	12.99	33.380	5.27	25.16	281.3	.154
75	11.95	33.536	4.54	25.48	250.7	.221
100	10.97	33.697	3.93	25.79	221.8	.281
125	10.32	33.853	3.41	26.02	199.4	.334
150	9.86	33.954	3.11	26.18	184.5	.383
200	9.02	34.063	2.48	26.40	163.4	.472
250	8.60	34.195	1.63	26.57	147.3	.551
300	7.82	34.184	1.31	26.68	136.9	.625
400	6.92	34.241	.68	26.85	120.6	.759
500	6.31	34.309	.40	26.99	107.8	.880
600	5.78	34.353	.25	27.09	98.0	.990

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
93.50					CALCOFI CRUISE 6601								93.50	
DAVID STARR JORDAN, JANUARY 15 1966, 0749 GMT, 32 10N 118 53W, SOUNDING 770 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 15.														
1	14.77	33.388	5.85	-	-	-	315.7	0	14.77	33.388	5.85	24.80	315.7	0
11	14.75	33.385	5.84	-	-	-	315.5	10	14.75	33.385	5.84	24.80	315.5	.032
20	14.74K	33.38 G	-	-	-	-	315.7	20	14.74	33.380	5.90	24.80	315.7	.063
30	14.12	33.335	5.95	-	-	-	306.5	30	14.12	33.335	5.95	24.90	306.5	.094
40	13.82	33.344	5.87	-	-	-	299.9	50	13.34	33.343	5.49	25.06	290.7	.154
55	13.04	33.343	5.28	-	-	-	285.0	75	11.59	33.421	4.72	25.46	252.8	.223
69	12.01	33.367	4.95	-	-	-	264.3	100	10.35	33.657	3.90	25.86	214.5	.281
94	10.52	33.619	4.01	-	-	-	220.0	125	9.71	33.799	3.44	26.08	193.7	.333
116	10.01	33.743	3.66	-	-	-	202.5	150	9.20	33.949	2.95	26.29	174.5	.380
135	9.41	33.861	3.20	-	-	-	184.3	200	8.27	34.051	2.42	26.51	153.3	.463
154	9.15	33.969	2.90	-	-	-	172.3	250	7.66	34.124	1.72	26.66	139.2	.538
183	8.54	34.026	2.62	-	-	-	159.0	300	7.49	34.221	1.01	26.76	129.6	.608
216	8.06	34.072	2.21	-	-	-	148.7	400	6.82	34.298	.49	26.91	115.0	.735
250	7.66	34.124	1.72	-	-	-	139.2	500	6.15	34.341	.29	27.03	103.4	.851
298	7.50	34.219	1.03	-	-	-	129.9	600	5.67	34.374	.22	27.12	95.3	.958
351	7.11	34.267	.69	-	-	-	121.1							
436	6.61	34.316	.39	-	-	-	111.0							
519	6.04	34.348	.27	-	-	-	101.5							
604	5.66	34.375	.22	-	-	-	95.0							
93.60					CALCOFI CRUISE 6601								93.60	
DAVID STARR JORDAN, JANUARY 15 1966, 0101 GMT, 31 50N 119 34W, SOUNDING 2000+ FM, WIND 330 FORCE 4, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 10.														
1	14.50	33.157	5.84	-	-	-	327.1	0	14.50	33.157	5.84	24.68	327.1	0
11	14.48	33.162	5.91	-	-	-	326.4	10	14.48	33.161	5.90	24.69	326.4	.033
45	14.48	33.195	5.83	-	-	-	323.9	20	14.48	33.170	5.91	24.69	325.8	.065
75	14.36	33.221	5.88	-	-	-	319.6	30	14.48	33.179	5.89	24.70	325.1	.098
94	13.82	33.237	5.76	-	-	-	307.8	50	14.47	33.199	5.84	24.72	323.3	.163
110	12.06	32.804U	5.53	-	-	-	306.6	75	14.36	33.221	5.88	24.76	319.6	.244
125	11.28	33.347	5.06	-	-	-	252.9	100	13.17	33.253	5.70	25.03	294.2	.321
144	10.76	33.593	4.33	-	-	-	225.9	125	11.28	33.347	5.06	25.46	252.9	.390
163	9.98	33.727	3.73	-	-	-	203.2	150	10.51	33.644	4.12	25.83	218.1	.450
192	9.36	33.852	3.34	-	-	-	184.2	200	9.15	33.890	3.20	26.25	178.2	.551
216	8.77	33.961	2.94	-	-	-	167.2	250	8.42	34.058	2.57	26.49	154.9	.636
244	8.51	34.051	2.63	-	-	-	156.7	300	7.70	34.094	1.99	26.63	142.0	.712
277	8.01	34.074	2.30	-	-	-	147.8	400	6.86	34.184	.91	26.82	124.0	.851
315	7.52	34.108	1.78	-	-	-	138.5	500	6.07	34.262	.42	26.98	108.3	.973
363	7.14	34.154	1.21	-	-	-	129.9	600	5.46	34.313	.31	27.10	97.4	1.083
432	6.62	34.209	.72	-	-	-	119.1							
515	5.96	34.272	.38	-	-	-	106.3							
604	5.44	34.314	.31	-	-	-	97.0							
93.70					CALCOFI CRUISE 6601								93.70	
DAVID STARR JORDAN, JANUARY 14 1966, 1851 GMT, 31 30N 120 15W, SOUNDING 2050 FM, WIND 330 FORCE 4, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 10.														
2	14.94	33.324	5.76	-	-	-	323.9	0	14.94	33.324	5.76	24.71	323.9	0
14	14.90	33.325	5.81	-	-	-	323.0	10	14.91	33.325	5.80	24.72	323.2	.032
40	14.88	33.328	5.78	-	-	-	322.3	20	14.89	33.327	5.81	24.73	322.6	.065
50	14.82K	33.32 G	-	-	-	-	321.7	30	14.89	33.329	5.80	24.73	322.4	.097
69	13.52	33.218	5.75	-	-	-	303.3	50	14.82	33.320	5.77	24.74	321.7	.162
77	12.64	33.193	5.61	-	-	-	288.5	75	12.85	33.197	5.65	25.05	292.2	.239
96	12.18	33.307	5.30	-	-	-	271.7	100	12.09	33.357	5.13	25.32	266.5	.309
111	11.82	33.476	4.71	-	-	-	252.9	125	11.32	33.478	4.69	25.55	243.9	.374
125	11.32	33.478	4.69	-	-	-	243.9	150	10.59	33.707	3.86	25.86	214.6	.432
155	10.42	33.758	3.69	-	-	-	208.1	200	8.90	33.934	3.68	26.32	171.1	.530
173	9.55	33.804	3.69	-	-	-	190.7	250	8.56	34.091	2.48	26.50	154.5	.613
203	8.86	33.949	3.68	-	-	-	169.4	300	8.07	34.159	1.64	26.62	142.3	.690
237	8.58	34.049	2.86	-	-	-	157.9	400	7.22	34.236	.77	26.81	124.9	.829
267	8.54	34.138	2.02	-	-	-	150.7	500	6.19	34.298	.43	27.00	107.1	.952
314	7.84	34.168	1.56	-	-	-	138.4	600	5.54	34.353	.26	27.12	95.2	1.060
380	7.42	34.228	.89	-	-	-	128.2							
475	6.44	34.266	.51	-	-	-	112.6							
563	5.72	34.350	.30	-	-	-	97.6							
636	5.43	34.356	.25	-	-	-	93.8							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
93.80					CALCOFI CRUISE 6601								93.80	

DAVID STARR JORDAN, JANUARY 14 1966, 1259 GMT, 31 07N 120 57.5W, SOUNDING 2000 FM, WIND 340 FORCE 5, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 15.

2	14.88	33.397	5.75	-	-	-	317.3	0	14.88	33.397	5.75	24.78	317.3	0
14	14.87	33.400	5.86	-	-	-	316.9	10	14.87	33.399	5.84	24.79	316.9	.032
20	14.88K	33.40 G	-	-	-	-	317.1	20	14.88	33.400	5.84	24.79	317.1	.063
30	14.89K	33.40 G	-	-	-	-	317.3	30	14.89	33.400	5.79	24.78	317.3	.095
34	14.90	33.401	5.73	-	-	-	317.4	50	14.90	33.400	5.42	24.78	317.5	.159
50	14.90K	33.40 G	-	-	-	-	317.5	75	12.12	33.733	3.25	25.60	239.3	.229
63	13.54	33.574	4.64	-	-	-	277.6	100	11.33	33.901	2.15	25.88	212.8	.286
73	12.28	33.710	3.41	-	-	-	243.9	125	11.07	34.006	1.64	26.01	200.8	.338
86	11.54	33.834	2.64	-	-	-	221.5	150	10.99	34.077	1.36	26.08	194.0	.388
102	11.30	33.908	2.10	-	-	-	211.9	200	10.73	34.173	1.19	26.20	182.7	.485
115	11.15	33.965	1.80	-	-	-	205.1	250	10.52	34.239	1.13	26.29	174.2	.576
139	11.01	34.053	1.48	-	-	-	196.2	300	10.16	34.329	1.00	26.42	161.6	.663
158	10.97	34.091	1.29	-	-	-	192.7	400	8.45	34.291	.93	26.67	138.1	.820
188	10.84	34.154	1.21	-	-	-	185.9	500	7.23	34.283	.53	26.84	121.6	.957
216	10.60	34.194	1.17	-	-	-	178.9	600	6.24	34.315	.22	27.00	106.5	1.079
244	10.54	34.226	1.15	-	-	-	175.5							
290	10.27	34.321	1.00	-	-	-	164.0							
342	9.56	34.336	1.00	-	-	-	151.5							
424	8.01	34.270	.87	-	-	-	133.2							
505	7.18	34.284	.51	-	-	-	120.8							
589	6.35	34.311	.25	-	-	-	108.1							

93.90					CALCOFI CRUISE 6601								93.90	

DAVID STARR JORDAN, JANUARY 14 1966, 0735 GMT, 30 49N 121 36W, SOUNDING 2250 FM, WIND 360 FORCE 4, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 17.

0	15.50	33.36 A	5.68	-	-	-	332.9	0	15.50	33.360	5.68	24.62	332.9	0
10	15.48	33.36 A	5.72	-	-	-	332.5	10	15.48	33.360	5.72	24.62	332.5	.033
48	15.50	33.36 A	5.69	-	-	-	332.9	20	15.48	33.360	5.72	24.62	332.5	.067
84	15.44	33.36 A	5.70	-	-	-	331.6	30	15.49	33.360	5.72	24.62	332.6	.100
101	12.24	33.26 A	5.45	-	-	-	276.3	50	15.50	33.364	5.70	24.62	332.6	.167
115	11.90	33.38 A	-	-	-	-	261.3	75	15.46	33.373	5.73	24.64	331.0	.250
136	11.08	33.501	4.69	-	-	-	238.1	100	12.41	33.263	5.47	25.18	279.2	.327
155	10.39	33.641	4.17	-	-	-	216.2	125	11.53	33.440	4.96	25.49	250.4	.394
175	9.63	33.800	3.66	-	-	-	192.3	150	10.57	33.602	4.31	25.78	222.1	.454
203	9.06	33.922	3.13	-	-	-	174.4	200	9.11	33.912	3.17	26.27	175.9	.555
231	8.54	34.026	2.90	-	-	-	159.0	250	8.30	34.060	2.56	26.51	152.9	.639
257	8.22	34.069	2.43	-	-	-	151.2	300	7.62	34.105	1.91	26.65	140.1	.715
290	7.81	34.108	1.97	-	-	-	142.5	400	6.54	34.176	.92	26.85	120.5	.850
333	7.04	34.097	1.80	-	-	-	132.9	500	5.88	34.228	.60	26.98	108.6	.971
384	6.68	34.175	1.00	-	-	-	122.4	600	5.43	34.329	.27	27.11	95.9	1.080
465	6.01	34.182	.81	-	-	-	113.6							
553	5.66	34.287	.37	-	-	-	101.6							
627	5.29	34.348	.25	-	-	-	92.8							

97.31					CALCOFI CRUISE 6601								97.31	

DAVID STARR JORDAN, JANUARY 12 1966, 0702 GMT, 32 15N 117 42W, SOUNDING 470 FM, WIND 200 FORCE 1, WEATHER FOG, SEA MISSING, WIRE ANGLE 03. B)

0	14.57	33.326	5.86	-	-	-	316.2	0	14.57	33.326	5.86	24.80	316.2	0
5	14.54	33.330	5.91	-	-	-	315.3	10	14.56	33.342	6.02	24.81	314.8	.032
10	14.56	33.342	6.02	-	-	-	314.8	20	14.53	33.384	5.90	24.85	311.1	.063
15	14.56	33.364	5.94	-	-	-	313.2	30	14.30	33.358	5.98	24.88	308.4	.094
20	14.53	33.384	5.90	-	-	-	311.1	50	12.70	33.517	4.58	25.32	265.8	.152
25	14.46	33.376	5.94	-	-	-	310.3	75	12.11	33.736	3.58	25.61	238.9	.215
30	14.30	33.358	5.98	-	-	-	308.4							
35	13.96	33.353	5.70	-	-	-	302.0							
40	13.79	33.423	5.43	-	-	-	293.5							
45	12.93	33.399	4.99	-	-	-	278.8							
50	12.70	33.517	4.58	-	-	-	265.8							
55	12.50	33.549	4.44	-	-	-	259.8							
60	12.58	33.625	4.10	-	-	-	255.7							
65	12.39	33.668	3.88	-	-	-	249.0							
70	12.22	33.707	3.71	-	-	-	243.0							
75	12.11	33.736	3.58	-	-	-	238.9							
79	11.98	33.763	3.40	-	-	-	234.6							
84	11.94	33.774	3.26	-	-	-	233.0							

A) AN ERROR WAS MADE IN THE STANDARD DIAL SETTING OF THE SALINOMETER FOR THESE SIX SAMPLES. THE EXTRAPOLATION WAS MADE BY COMPARISON WITH SURROUNDING STATIONS AND MUST BE CONSIDERED VERY DOUBTFUL.
B) SHAKEDOWN STATION.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
97.31					CALCOFI CRUISE 6601								97.31	
ALEXANDER AGASSIZ, JANUARY 20 1966, 0354 GCT, 32 15.5N 117 12W, SOUNDING 160 FM, WIND 230 FORCE 4, WEATHER RAIN, SEA SLIGHT, WIRE ANGLE 08.A1														
0	14.76	33.591	5.97	-	-	-	300.6	0	14.76	33.591	5.97	24.96	300.6	0
10	14.76	33.595	5.96	-	-	-	300.3	10	14.76	33.595	5.96	24.96	300.3	.030
20	14.54	33.587	5.88	-	-	-	296.4	20	14.54	33.587	5.88	25.00	296.4	.060
30	14.36	33.587	5.88	-	-	-	292.8	30	14.36	33.587	5.88	25.04	292.8	.089
40	14.20	33.578	5.71	-	-	-	290.3	50	13.94	33.613	5.00	25.15	282.5	.147
49	13.99	33.608	5.07	-	-	-	283.9	75	13.40	33.660	4.43	25.30	268.6	.217
59	13.54	33.653	4.54	-	-	-	271.8	100	12.91	33.730	3.78	25.45	254.1	.282
69	13.48	33.654	4.70	-	-	-	270.5	125	12.38	33.800	3.41	25.61	239.1	.345
79	13.34	33.668	4.21	-	-	-	266.8	150	11.67	33.876	2.42	25.80	220.8	.403
89	13.16	33.703	3.92	-	-	-	260.8							
99	12.92	33.728	3.79	-	-	-	254.4							
109	12.82	33.742	3.66	-	-	-	251.5							
119	12.44	33.805	3.38	-	-	-	239.8							
128	12.35	33.794	3.42	-	-	-	239.0							
138	12.01	-	-	-	-	-	-							
148	11.68	33.583U	2.25	-	-	-	242.5							
158	11.52	33.921	2.79	-	-	-	214.8							
168	11.05	33.988	2.51	-	-	-	201.7							
97.35					CALCOFI CRUISE 6601								97.35	
DAVID STARR JORDAN, JANUARY 12 1966, 2036 GMT, 32 05.5N 117 27.5W, SOUNDING 800 FM, WIND 020 FORCE 1, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 17.														
0	15.04	33.435	5.72	-	-	-	317.8	0	15.04	33.435	5.72	24.78	317.8	0
10	14.94	33.432	5.87	-	-	-	316.0	10	14.94	33.432	5.87	24.80	316.0	.032
29	14.95	33.459	5.84	-	-	-	314.2	20	14.93	33.447	5.88	24.81	314.7	.063
38	14.97	33.455	5.82	-	-	-	314.9	30	14.95	33.456	5.84	24.81	314.4	.095
49	15.05	33.609	5.74	-	-	-	305.3	50	14.94	33.606	5.66	24.93	303.2	.157
62	13.32	33.549	4.52	-	-	-	275.2	75	12.31	33.640	4.01	25.50	249.6	.226
76	12.26	33.650	3.99	-	-	-	247.9	100	11.92	33.810	3.19	25.70	230.0	.287
94	12.09	33.780	3.26	-	-	-	235.3	125	10.45	33.860	3.00	26.01	201.1	.341
100	11.92K	33.81 G	-	-	-	-	230.0	150	9.92	33.981	2.62	26.19	183.5	.390
117	10.71	33.829	3.14	-	-	-	207.7	200	9.07	34.106	2.13	26.43	160.9	.478
135	10.25	33.907	2.81	-	-	-	194.3	250	8.54	34.182	1.60	26.57	147.4	.557
162	9.68	34.033	2.51	-	-	-	175.8	300	8.00	34.195	1.33	26.66	138.7	.631
191	9.14	34.082	2.26	-	-	-	163.8	400	7.39	34.267	.72	26.81	124.8	.769
219	8.94	34.153	1.86	-	-	-	155.5	500	6.61	34.301	.40	26.94	112.1	.894
255	8.47	34.184	1.57	-	-	-	146.2							
312	7.90	34.199	1.27	-	-	-	137.0							
382	7.52	34.262	.79	-	-	-	127.0							
453	6.98	34.284	.53	-	-	-	118.2							
531	6.36	34.314	.34	-	-	-	108.0							
97.40					CALCOFI CRUISE 6601								97.40	
DAVID STARR JORDAN, JANUARY 13 1966, 0005 GMT, 31 55N 117 49W, SOUNDING 800 FM, WIND 020 FORCE 1, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 22.														
1	15.07	33.395	5.75	-	-	-	321.3	0	15.07	33.395	5.75	24.74	321.3	0
10	15.04	33.393	5.78	-	-	-	320.9	10	15.04	33.393	5.78	24.75	320.9	.032
29	14.97	33.404	5.78	-	-	-	318.6	20	15.00	33.398	5.79	24.76	319.6	.064
38	14.97	33.404	5.77	-	-	-	318.6	30	14.99	33.405	5.78	24.77	318.9	.096
52	13.67	33.340	5.56	-	-	-	297.3	50	13.90	33.348	5.61	24.95	301.3	.158
66	12.38	33.390	5.02	-	-	-	269.3	75	12.23	33.509	4.48	25.41	257.9	.229
90	12.01	33.739	3.51	-	-	-	236.9	100	11.85	33.850	2.92	25.74	225.9	.290
109	11.70	33.928	2.50	-	-	-	217.4	125	11.38	34.007	2.22	25.95	206.0	.344
126	11.36	34.011	2.21	-	-	-	205.3	150	10.78	34.090	2.01	25.13	189.6	.395
143	11.01	34.080	1.98	-	-	-	194.2	200	9.81	34.237	1.51	26.41	162.8	.485
170	10.16	34.097	2.11	-	-	-	178.8	250	9.11	34.275	1.27	26.55	149.0	.565
201	9.80	34.241	1.49	-	-	-	162.3	300	8.62	34.299	1.00	26.65	140.0	.640
228	9.31	34.238	1.49	-	-	-	154.8	400	7.27	34.259	.69	26.82	123.8	.777
273	8.94	34.313	1.01	-	-	-	143.6	500	6.49	34.305	.39	26.96	110.4	.901
323	8.32	34.274	.99	-	-	-	137.4							
403	7.23	34.259	.68	-	-	-	123.3							
483	6.62	34.297	.43	-	-	-	112.5							
566	6.02	34.335	.27	-	-	-	102.3							

A1 SHAKEDOWN STATION.

97.50 CALCOFI CRUISE 6601 97.50

DAVID STARR JORDAN, JANUARY 13 1966, 0527 GMT, 31 35.5N 118 30.5W, SOUNDING 1100 FM, WIND 020 FORCE 1, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 04.

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	14.51	33.316	5.83	-	-	-	315.7
10	14.50	33.313	5.85	-	-	-	315.7
20	14.46K	33.31 G	-	-	-	-	315.1
30	14.06	33.314	5.94	-	-	-	306.8
40	13.88	33.334	5.97	-	-	-	301.8
54	12.93	33.292	5.44	-	-	-	286.7
69	12.02	33.373	5.09	-	-	-	264.0
94	11.16	33.529	4.47	-	-	-	237.4
112	10.40	33.698	3.73	-	-	-	212.2
132	9.87	33.788	3.38	-	-	-	197.0
153	9.43	33.888	2.99	-	-	-	182.6
181	8.72	33.987	2.75	-	-	-	164.5
216	8.30	34.047	2.30	-	-	-	153.9
245	7.82	34.069	2.04	-	-	-	145.5
295	7.28	34.131	1.45	-	-	-	133.5
348	6.94	34.172	1.03	-	-	-	126.0
433	6.45	34.223	.60	-	-	-	115.9
517	6.04	34.305	.31	-	-	-	104.8
601	5.62	34.358	.23	-	-	-	95.8

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	14.51	33.316	5.83	24.80	315.7	0
10	14.50	33.313	5.85	24.80	315.7	.032
20	14.46	33.310	5.89	24.81	315.1	.063
30	14.06	33.314	5.94	24.89	306.8	.094
50	13.24	33.302	5.62	25.05	291.7	.154
75	11.79	33.405	4.96	25.41	257.5	.223
100	10.90	33.587	4.21	25.71	228.7	.285
125	10.03	33.762	3.48	26.00	201.5	.339
150	9.49	33.874	3.04	26.18	184.6	.388
200	8.47	34.026	2.51	26.46	158.0	.475
250	7.75	34.075	1.98	26.61	144.1	.553
300	7.24	34.136	1.40	26.73	132.7	.624
400	6.63	34.202	.74	26.86	119.8	.756
500	6.12	34.291	.35	27.00	106.8	.875
600	5.63	34.358	.23	27.11	95.9	.984

97.60 CALCOFI CRUISE 6601 97.60

DAVID STARR JORDAN, JANUARY 13 1966, 1106 GMT, 31 15N 119 10W, SOUNDING 2000 FM, WIND 340 FORCE 2, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 27.

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
2	14.48	33.246	5.75	-	-	-	320.2
11	14.45	33.244	5.83	-	-	-	319.7
29	14.36	33.247	5.81	-	-	-	317.7
57	14.06	33.234	5.88	-	-	-	312.7
65	13.89	33.295	5.80	-	-	-	304.9
78	12.88	33.153	5.78	-	-	-	295.9
89	13.08	33.324	5.51	-	-	-	287.1
102	11.48	33.440	4.78	-	-	-	249.5
121	10.88	33.666	4.02	-	-	-	222.6
138	10.23	33.721	3.70	-	-	-	207.7
160	9.94	33.913	3.06	-	-	-	188.8
180	9.40	33.962	3.14	-	-	-	176.7
202	8.87	33.992	3.26	-	-	-	166.4
241	8.22	34.077	2.14	-	-	-	150.6
280	7.84	34.164	1.46	-	-	-	138.7
350	6.82	34.134	1.26	-	-	-	127.3
423	6.32	34.216	.64	-	-	-	114.8
506	5.94	34.294	.34	-	-	-	104.4

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	14.48	33.246	5.75	24.75	320.2	0
10	14.45	33.244	5.82	24.76	319.8	.032
20	14.41	33.245	5.83	24.77	318.9	.064
30	14.35	33.244	5.82	24.78	317.9	.096
50	14.17	33.222	5.88	24.80	315.7	.159
75	13.09	33.182	5.78	24.99	297.8	.237
100	11.76	33.424	4.90	25.43	255.6	.306
125	10.72	33.682	3.94	25.82	218.6	.366
150	10.05	33.826	3.32	26.05	197.1	.419
200	8.91	33.990	3.26	26.36	167.2	.512
250	8.13	34.100	1.95	26.57	147.5	.592
300	7.54	34.162	1.36	26.70	134.8	.665
400	6.46	34.192	.80	26.88	118.4	.797
500	5.96	34.289	.35	27.02	105.0	.915

97.70 CALCOFI CRUISE 6601 97.70

DAVID STARR JORDAN, JANUARY 13 1966, 1704 GMT, 30 55N 119 52.5W, SOUNDING 1950 FM, WIND 300 FORCE 1, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 22.

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	14.96	33.304	5.72	-	-	-	325.7
9	14.96	33.298	5.72	-	-	-	326.2
45	14.95	33.298	5.53	-	-	-	326.0
77	14.66	33.297	5.55	-	-	-	320.1
96	12.86	33.239	5.49	-	-	-	289.2
109	12.41	33.398	4.94	-	-	-	269.2
126	11.28	33.488	4.47	-	-	-	242.5
145	10.49	33.651	3.98	-	-	-	217.2
163	9.96	33.772	3.55	-	-	-	199.6
191	9.30	33.896	3.11	-	-	-	180.0
214	9.06	34.020	2.87	-	-	-	167.2
239	8.76	34.067	2.54	-	-	-	159.2
270	8.26	34.083	2.37	-	-	-	150.7
310	8.22	34.185	1.48	-	-	-	142.5
360	7.50	34.201	1.10	-	-	-	131.3
440	6.76	34.271	.52	-	-	-	116.3
526	6.06	34.295	.35	-	-	-	105.8
601	5.56	34.331	.25	-	-	-	97.1

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	14.96	33.304	5.72	24.69	325.7	0
10	14.96	33.298	5.72	24.69	326.2	.033
20	14.96	33.296	5.67	24.69	326.3	.065
30	14.96	33.296	5.61	24.69	326.2	.098
50	14.92	33.298	5.53	24.70	325.3	.163
75	14.73	33.297	5.55	24.74	321.6	.245
100	12.71	33.283	5.33	25.14	283.1	.321
125	11.35	33.484	4.49	25.55	244.0	.387
150	10.33	33.688	3.85	25.89	211.8	.445
200	9.19	33.948	3.01	26.28	174.5	.543
250	8.57	34.075	2.49	26.48	155.7	.628
300	8.23	34.159	1.71	26.60	144.6	.706
400	7.09	34.235	.78	26.83	123.3	.845
500	6.26	34.286	.40	26.98	108.8	.968
600	5.57	34.330	.25	27.10	97.3	1.078

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DC
97.80					CALCOFI CRUISE 6601								97.80	
DAVID STARR JORDAN, JANUARY 13 1966, 2206 GMT, 30 35N 120 31W, SOUNDING 2000+ FM, WIND 330 FORCE 4, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 27.														
0	15.06	33.291	5.76	-	-	-	328.8	0	15.06	33.291	5.76	24.66	328.8	0
10	15.02	33.296	5.79	-	-	-	327.6	10	15.02	33.296	5.79	24.68	327.6	.033
49	14.94	33.286	5.75	-	-	-	326.6	20	14.99	33.296	5.79	24.68	327.0	.066
75	14.67K	33.27 G	-	-	-	-	322.3	30	14.97	33.295	5.78	24.68	326.7	.098
79	14.60	33.270	5.75	-	-	-	320.9	50	14.93	33.285	5.75	24.69	326.6	.164
96	13.06	33.214	5.63	-	-	-	294.8	75	14.67	33.270	5.76	24.73	322.3	.245
109	12.12	33.362	5.16	-	-	-	266.6	100	12.74	33.252	5.50	25.11	286.1	.322
128	11.31	33.537	4.58	-	-	-	239.4	125	11.41	33.513	4.66	25.56	242.9	.389
144	10.76	33.640	4.20	-	-	-	222.5	150	10.64	33.725	3.75	25.87	214.1	.447
161	10.42	33.877	2.98	-	-	-	199.3	200	9.31	34.004	3.01	26.31	172.2	.545
185	9.61	33.957	3.12	-	-	-	180.3	250	8.50	34.069	2.54	26.49	155.2	.629
211	9.15	34.033	2.88	-	-	-	167.6	300	7.79	34.108	1.94	26.63	142.2	.706
234	8.84	34.071	2.56	-	-	-	160.1	400	7.20	34.269	.66	26.84	122.1	.844
264	8.20	34.065	2.48	-	-	-	151.2	500	6.29	34.313	.34	26.99	107.2	.965
304	7.76	34.115	1.86	-	-	-	141.2	600	5.50	34.338	.24	27.11	96.0	1.074
354	7.62	34.229	1.03	-	-	-	130.8							
437	6.79	34.280	.51	-	-	-	116.0							
524	6.10	34.322	.30	-	-	-	104.2							
598	5.52	34.338	.24	-	-	-	96.2							
97.90					CALCOFI CRUISE 6601								97.90	
DAVID STARR JORDAN, JANUARY 14 1966, 0237 GMT, 30 15N 121 10.5W, SOUNDING 2000+ FM, WIND 350 FORCE 1, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 25.														
0	15.55	33.307	5.71	-	-	-	337.8	0	15.55	33.307	5.71	24.57	337.8	0
10	15.56	33.303	5.74	-	-	-	338.3	10	15.56	33.303	5.74	24.56	338.3	.034
47	15.50	33.303	5.69	-	-	-	337.1	20	15.55	33.301	5.74	24.56	338.4	.068
78	15.40	33.321	5.70	-	-	-	333.6	30	15.54	33.300	5.72	24.56	338.1	.102
96	12.61	33.132	5.67	-	-	-	292.5	50	15.49	33.314	5.69	24.59	336.1	.169
109	12.00	33.274	5.27	-	-	-	270.9	75	15.41	33.328	5.70	24.61	333.3	.253
128	11.40	33.456	4.74	-	-	-	247.0	100	12.35	33.164	5.56	25.12	285.4	.331
145	10.31	33.658	4.03	-	-	-	213.7	125	11.50	33.427	4.83	25.48	250.9	.399
164	9.80	33.736	3.72	-	-	-	199.7	150	10.14	33.685	3.92	25.92	208.9	.457
190	9.13		3.57	-	-	-	178.6	200	8.93		3.56			
217	8.66		3.55	-	-	-	164.9	250	8.24		3.15			
239	8.38		3.27	-	-	-	157.8	300	7.52		2.74			
268	8.00		2.97	-	-	-	150.2	400	6.75		1.00			
307	7.43		2.67	-	-	-	141.6	500	5.89		.52			
354	7.22		1.47	-	-	-	130.6	600	5.27		.32			
431	6.40		.88	-	-	-	117.0							
516	5.78		.46	-	-	-	104.3							
587	5.34		.32	-	-	-	95.5							
100.30					CALCOFI CRUISE 6601								100.30	
ALEXANDER AGASSIZ, JANUARY 20 1966, 1005 GCT, 31 40.5N 116 46.5W, SOUNDING 230 FM, WIND 160 FORCE 3, WEATHER DRIZZLE, SEA MISSING, WIRE ANGLE 00.														
2	14.96	33.425	6.04	-	-	-	316.9	0	14.96	33.425	6.04	24.79	316.9	0
12	15.00	33.449	5.99	-	-	-	315.9	10	15.00	33.444	6.00	24.79	316.2	.032
32	14.92	33.500	5.85	-	-	-	310.6	20	14.98	33.463	5.97	24.81	314.5	.063
47	14.68	33.603	5.44	-	-	-	298.1	30	14.94	33.493	5.88	24.84	311.5	.095
57	14.47	33.620	-	-	-	-	292.6	50	14.62	33.610	5.33	25.00	296.5	.156
72	13.98	33.663	4.57	-	-	-	279.7	75	13.93	33.670	4.49	25.20	278.1	.228
86	13.80	33.690	4.26	-	-	-	274.1	100	13.71	33.698	4.22	25.26	271.7	.297
101	13.70	33.699	4.21	-	-	-	271.5	125	13.23	33.739	3.73	25.39	259.5	.364
125	13.23	33.739	3.73	-	-	-	259.5	150	12.43	33.848	3.14	25.63	236.5	.427
145	12.74	33.806	3.32	-	-	-	245.3	200	10.15	34.139	2.08	26.28	175.4	.532
174	10.88	34.053	2.32	-	-	-	194.0	250	9.50	34.203	1.72	26.43	160.4	.618
203	10.10	34.144	2.06	-	-	-	174.3	300	8.90	34.246	1.53	26.56	148.0	.698
237	9.66	34.186	1.80	-	-	-	164.2	400	7.16	34.277	.82	26.85	121.1	.839
291	9.00	34.246	1.53	-	-	-	149.5							
345	8.26	34.254	1.36	-	-	-	138.0							
404	7.07	34.279	.77	-	-	-	119.7							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
100.35					CALCOFI CRUISE 6601								100.35	
ALEXANDER AGASSIZ, JANUARY 20 1966, 1327 GCT, 31 30.5N 117 07W, SOUNDING 650 FM, WIND 240 FORCE 3, WEATHER DRIZZLE, SEA MISSING, WIRE ANGLE 03.														
0	14.74	33.438	5.95	-	-	-	311.4	0	14.74	33.438	5.95	24.85	311.4	0
9	14.77	33.434	5.93	-	-	-	312.3	10	14.77	33.440	5.92	24.84	311.9	.031
10	14.77K	33.44 G	-	-	-	-	311.9	20	14.78	33.450	5.84	24.85	311.4	.062
20	14.78K	33.45 G	-	-	-	-	311.4	30	14.78	33.447	5.74	24.84	311.5	.094
29	14.78	33.447	5.75	-	-	-	311.6	50	14.70	33.470	5.61	24.88	308.3	.156
50	14.70K	33.47 G	-	-	-	-	308.3	75	12.46	33.559	4.54	25.40	258.3	.227
54	14.14	33.494	5.58	-	-	-	295.2	100	11.82	33.740	3.41	25.66	233.4	.289
64	12.80	33.524	3.94	-	-	-	267.2	125	11.27	33.867	3.11	25.86	214.4	.346
75	12.46	33.559	4.54	-	-	-	258.3	150	10.88	33.986	2.63	26.03	198.9	.398
90	12.00	33.655	4.13	-	-	-	242.9	200	10.09	34.189	1.68	26.32	170.8	.492
104	11.76	33.773	3.13	-	-	-	229.9	250	9.41	34.273	1.18	26.50	153.8	.576
130	11.16	33.884	3.10	-	-	-	211.2	300	8.49	34.252	1.23	26.63	141.6	.652
148	10.91	33.974	2.68	-	-	-	200.3	400	7.30	34.254	.89	26.81	124.6	.791
173	10.52	34.112	2.10	-	-	-	183.6	500	6.46	34.300	.60	26.96	110.3	.915
202	10.06	34.193	1.65	-	-	-	170.0							
232	9.67	34.255	1.30	-	-	-	159.2							
272	9.06	34.278	1.12	-	-	-	148.0							
330	7.92	34.219	1.36	-	-	-	135.7							
406	7.26	34.259	.84	-	-	-	123.7							
479	6.62	34.292	.64	-	-	-	112.9							
559	6.08	34.320	.53	-	-	-	104.1							
100.40					CALCOFI CRUISE 6601								100.40	
ALEXANDER AGASSIZ, JANUARY 20 1966, 1642 GCT, 31 21N 117 27W, SOUNDING 1020 FM, WIND 340 FORCE 4, WEATHER RAIN, SEA MODERATE, WIRE ANGLE 08.														
0	14.70	33.425	-	-	-	-	311.6	0	14.70	33.425		24.84	311.6	0
10	14.66	33.418	-	-	-	-	311.2	10	14.66	33.418		24.85	311.2	.031
20	14.66K	33.42 G	-	-	-	-	311.1	20	14.66	33.420		24.85	311.1	.062
30	14.66	33.419	-	-	-	-	311.2	30	14.66	33.419		24.85	311.2	.093
50	14.65K	33.42 G	-	-	-	-	310.9	50	14.65	33.420		24.85	310.9	.156
55	13.70	33.514	-	-	-	-	285.1	75	12.62	33.770	4.30	25.54	245.7	.226
64	13.20	33.639	-	-	-	-	266.3	100	12.19	33.933	2.88	25.74	225.9	.285
74	12.64	33.761	4.38	-	-	-	246.8	125	11.77	34.057	2.23	25.92	209.2	.340
89	12.43	33.866	3.37	-	-	-	235.2	150	11.53	34.087	2.14	25.99	202.8	.393
104	12.10	33.955	2.74	-	-	-	222.6	200	10.79	34.152	2.08	26.17	185.1	.492
129	11.72	34.070	2.18	-	-	-	207.3	250	9.92	34.283	1.61	26.43	161.1	.581
149	11.54	34.086	2.14	-	-	-	203.0	300	8.85	34.303	1.33	26.62	142.9	.659
173	11.33	34.107	2.06	-	-	-	197.7	400	7.10	34.243	.97	26.83	122.8	.798
203	10.72	34.158	2.08	-	-	-	183.5	500	6.40	34.299	.57	26.97	109.5	.921
232	10.16	34.209	1.89	-	-	-	170.5							
270	9.63	34.353	1.32	-	-	-	151.3							
329	8.06	34.219	1.43	-	-	-	137.7							
402	7.08	34.245	.95	-	-	-	122.4							
475	6.56	34.284	.64	-	-	-	112.8							
555	6.06	34.337	.50	-	-	-	102.6							
100.51					CALCOFI CRUISE 6601								100.51	
ALEXANDER AGASSIZ, JANUARY 20 1966, 2231 GCT, 31 01.5N 118 14W, SOUNDING 920 FM, WIND 360 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 21.														
0	14.93	33.355	6.03	-	-	-	321.4	0	14.93	33.355	6.03	24.74	321.4	0
9	14.84	33.353	6.15	-	-	-	319.7	10	14.84	33.353	6.14	24.76	319.6	.032
27	14.79	33.353	5.95	-	-	-	318.7	20	14.81	33.355	6.06	24.77	318.9	.064
30	14.78K	33.35 G	-	-	-	-	318.7	30	14.78	33.350	5.94	24.77	318.7	.096
50	14.29K	33.31 G	-	-	-	-	311.7	50	14.29	33.310	5.91	24.84	311.7	.159
52	14.24	33.313	5.88	-	-	-	310.5	75	12.29	33.433	5.08	25.34	264.4	.232
62	12.86	33.362	5.42	-	-	-	280.2	100	11.08	33.657	4.13	25.74	226.6	.294
71	12.45	33.388	5.24	-	-	-	270.7	125	10.41	33.785	3.70	25.95	206.0	.348
85	11.86	33.560	4.63	-	-	-	247.4	150	9.69	33.901	3.28	26.17	185.7	.398
100	11.08	33.657	4.13	-	-	-	226.6	200	8.68	34.025	3.22	26.43	161.2	.486
123	10.47	33.776	3.74	-	-	-	207.6	250	7.94	34.090	2.26	26.59	145.6	.565
142	9.93	33.859	3.38	-	-	-	192.7	300	7.34	34.126	1.72	26.70	134.7	.637
166	9.24	33.974	3.18	-	-	-	173.3	400	6.76	34.254	.73	26.89	117.5	.769
194	8.78	34.011	3.35	-	-	-	163.6	500	6.11	34.302	.44	27.01	105.9	.887
222	8.34	34.073	2.65	-	-	-	152.6							
260	7.81	34.096	2.16	-	-	-	143.4							
317	7.18	34.142	1.54	-	-	-	131.4							
387	6.85	34.248	.79	-	-	-	119.1							
459	6.36	34.281	.53	-	-	-	110.5							
536	5.92	34.321	.39	-	-	-	102.1							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
100.60					CALCOFI CRUISE 6601								100.60	

ALEXANDER AGASSIZ, JANUARY 21 1966, 0352 GCT, 30 42.5N 118 49W, SOUNDING 1600 FM, WIND 330 FORCE 5, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 32.

0	14.04	33.228	6.10	-	-	-	312.7	0	14.04	33.228	6.10	24.83	312.7	0
8	14.06	33.226	6.14	-	-	-	313.3	10	14.06	33.228	6.13	24.83	313.1	.031
25	14.04	33.227	6.07	-	-	-	312.8	20	14.05	33.231	6.10	24.83	312.7	.063
33	13.70	33.196	6.07	-	-	-	308.4	30	13.85	33.207	6.07	24.85	310.5	.094
45	12.94	33.206	5.91	-	-	-	293.2	50	12.85	33.221	5.86	25.07	290.4	.154
57	12.76	33.245	5.78	-	-	-	286.9	75	11.74	33.269	5.47	25.31	266.7	.224
78	11.56	33.279	5.41	-	-	-	262.8	100	10.90	33.540	4.57	25.68	232.2	.287
93	11.20	33.438	5.02	-	-	-	244.8	125	10.28	33.766	3.90	25.96	205.2	.342
100	10.90K	33.54 G	-	-	-	-	232.2	150	9.57	33.873	3.41	26.17	185.9	.392
109	10.89	33.694	4.04	-	-	-	220.7	200	8.96	34.052	2.63	26.40	163.3	.481
124	10.32	33.761	3.92	-	-	-	206.2	250	8.60	34.158	2.08	26.54	150.1	.561
145	9.64	33.862	3.46	-	-	-	187.8	300	8.18	34.232	1.30	26.66	138.5	.636
173	9.34	33.925	3.29	-	-	-	178.5	400	6.97	34.226	.94	26.83	122.3	.772
194	9.02	34.037	2.70	-	-	-	165.3	500	6.27	34.325	.43	27.01	106.1	.893
230	8.73	34.101	2.50	-	-	-	156.2							
269	8.47	34.209	1.64	-	-	-	144.4							
335	7.80	34.248	1.12	-	-	-	131.9							
407	6.90	34.228	.91	-	-	-	121.3							
487	6.32	34.303	.51	-	-	-	108.3							

100.70					CALCOFI CRUISE 6601								100.70	

ALEXANDER AGASSIZ, JANUARY 21 1966, 1001 GCT, 30 21N 119 27W, SOUNDING 2000+ FM, WIND 330 FORCE 4, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 25.

0	15.45	33.397	6.15	-	-	-	329.1	0	15.45	33.397	6.15	24.66	329.1	0
9	15.46	33.392	5.91	-	-	-	329.7	10	15.46	33.392	5.91	24.65	329.8	.033
32	15.48	33.391	6.03	-	-	-	330.2	20	15.47	33.391	5.91	24.65	330.0	.066
59	15.48	33.391	5.97	-	-	-	330.2	30	15.48	33.391	6.00	24.65	330.2	.099
68	15.46	33.387	5.98	-	-	-	330.1	50	15.49	33.392	5.99	24.65	330.3	.165
75	15.40K	33.38 G	-	-	-	-	329.3	75	15.40	33.380	6.05	24.66	329.3	.248
86	12.98	33.180	5.99	-	-	-	295.8	100	12.63	33.433	5.24	25.27	270.7	.324
100	12.63	33.433	5.24	-	-	-	270.7	125	11.38	33.566	4.63	25.61	238.4	.388
113	11.92	33.484	4.98	-	-	-	254.0	150	10.25	33.691	4.22	25.91	210.2	.445
141	10.69	33.670	4.25	-	-	-	219.1	200	8.88	33.953	3.67	26.34	169.5	.542
158	9.88	33.710	4.19	-	-	-	202.9	250	8.14	34.047	2.94	26.53	151.7	.624
184	9.15	33.889	3.97	-	-	-	178.3	300	7.64	34.115	2.09	26.65	139.6	.699
215	8.68	33.992	3.37	-	-	-	163.6	400	6.84	34.223	.98	26.85	120.9	.835
241	8.26	34.034	3.09	-	-	-	154.3	500	6.14	34.293	.49	27.00	106.9	.955
283	7.78	34.091	2.34	-	-	-	143.3	600	5.52	34.371	.36	27.14	93.6	1.062
339	7.37	34.167	1.59	-	-	-	132.0							
428	6.60	34.243	.77	-	-	-	116.3							
511	6.07	34.301	.46	-	-	-	105.4							
583	5.62	34.357	.36	-	-	-	95.9							

101.80					CALCOFI CRUISE 6601								101.80	

ALEXANDER AGASSIZ, JANUARY 21 1966, 1510 GCT, 29 53N 120 02.5W, SOUNDING 2170 FM, WIND 350 FORCE 3, WEATHER PARTLY CLOUDY, SEA HIGH, WIRE ANGLE 13.

1	15.34	33.375	5.94	-	-	-	328.4	0	15.34	33.375	5.94	24.67	328.4	0
11	15.36	33.372	5.94	-	-	-	329.1	10	15.36	33.372	5.94	24.66	329.0	.033
45	15.36	33.371	6.12	-	-	-	329.1	20	15.37	33.372	5.99	24.66	329.2	.066
50	15.36K	33.37 G	-	-	-	-	329.2	30	15.37	33.371	6.05	24.66	329.2	.099
75	15.38	33.372	5.93	-	-	-	329.5	50	15.36	33.370	6.08	24.66	329.2	.165
94	13.26	33.174	6.04	-	-	-	301.6	75	15.38	33.372	5.93	24.66	329.5	.248
108	12.34	33.228	5.71	-	-	-	280.5	100	12.81	33.181	5.92	25.04	292.5	.326
124	11.80	33.411	5.39	-	-	-	257.3	125	11.73	33.421	5.36	25.43	255.3	.395
142	10.56	33.576	4.76	-	-	-	223.9	150	10.22	33.634	4.56	25.87	214.0	.455
163	9.82	33.715	4.33	-	-	-	201.6	200	9.07	33.903	4.06	26.27	176.0	.554
192	9.18	33.872	4.14	-	-	-	180.0	250	8.33	34.024	3.24	26.48	156.1	.639
216	8.87	33.955	3.86	-	-	-	169.1	300	7.47	34.051	2.57	26.63	142.1	.716
239	8.50	34.010	3.52	-	-	-	159.6	400	6.47	34.150	1.15	26.84	121.6	.853
274	7.95	34.041	2.68	-	-	-	149.4	500	5.76	34.255	.58	27.02	105.2	.972
313	7.25	34.056	2.48	-	-	-	138.7	600	5.30	34.314	.44	27.12	95.5	1.079
361	6.81	34.109	1.58	-	-	-	129.0							
428	6.24	34.179	.95	-	-	-	116.6							
510	5.70	34.263	.55	-	-	-	103.9							
595	5.32	34.312	.45	-	-	-	95.8							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
100.90					CALCOFI CRUISE 6601								100.90	
ALEXANDER AGASSIZ, JANUARY 21 1966, 1955 GCT, 29 41N 120 46W, SOUNDING 2125 FM, WIND 350 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 09.														
0	15.72	33.407	5.90	-	-	-	334.1	0	15.72	33.407	5.90	24.61	334.1	0
10	15.68	33.406	5.94	-	-	-	333.3	10	15.68	33.406	5.94	24.61	333.3	.033
45	15.68	33.408	5.91	-	-	-	333.2	20	15.67	33.406	5.95	24.62	333.1	.067
50	15.68K	33.41 G	-	-	-	-	333.0	30	15.67	33.407	5.94	24.62	333.0	.100
74	15.71	33.421	5.88	-	-	-	332.9	50	15.68	33.410	5.89	24.62	333.0	.167
75	15.71K	33.42 G	-	-	-	-	333.0	75	15.71	33.420	5.90	24.62	333.0	.251
94	13.56	33.179	6.14	-	-	-	307.0	100	13.23	33.201	6.06	24.98	299.0	.330
109	12.88	33.263	5.89	-	-	-	287.9	125	12.16	33.310	5.59	25.27	271.3	.402
123	12.28	33.295	5.66	-	-	-	274.4	150	10.91	33.529	4.85	25.67	233.1	.466
143	11.16	33.474	4.97	-	-	-	241.5	200	9.17	33.913	4.01	26.26	176.8	.570
162	10.52	33.621	4.69	-	-	-	219.9	250	8.28	34.001	3.53	26.47	157.1	.656
192	9.34	33.881	3.98	-	-	-	181.8	300	7.57	34.039	2.70	26.60	144.3	.733
216	8.90	33.950	4.1	-	-	-	170.0	400	6.31	34.126	1.38	26.84	121.4	.872
240	8.44	33.988	3.71	-	-	-	160.3	500	5.74	34.245	.55	27.01	105.7	.991
274	7.94	34.025	3.11	-	-	-	150.5	600	5.44	34.334	.29	27.12	95.5	1.098
313	7.38	34.043	2.52	-	-	-	141.4							
360	6.64	34.062	2.02	-	-	-	130.3							
428	6.16	34.177	.96	-	-	-	115.8							
510	5.70	34.254	.51	-	-	-	104.5							
594	5.45	34.329	.30	-	-	-	96.0							
100.100					CALCOFI CRUISE 6601								100.100	
ALEXANDER AGASSIZ, JANUARY 22 1966, 0116 GCT, 29 20N 121 26.5N, SOUNDING 2175 FM, WIND 360 FORCE 2, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 03.														
0	16.59	33.756	5.84	-	-	-	327.5	0	16.59	33.756	5.84	24.68	327.5	0
10	16.59	33.760	5.84	-	-	-	327.2	10	16.59	33.760	5.84	24.68	327.2	.033
40	16.56	33.759	5.83	-	-	-	326.6	20	16.58	33.760	5.84	24.68	327.0	.066
65	16.56	33.766	5.83	-	-	-	326.1	30	16.57	33.760	5.83	24.68	326.8	.098
85	16.55	33.765	5.83	-	-	-	326.0	50	16.56	33.762	5.83	24.69	326.4	.164
100	15.45	33.624	5.97	-	-	-	312.5	75	16.56	33.766	5.82	24.69	326.0	.246
115	14.55	33.657	5.80	-	-	-	291.5	100	15.45	33.624	5.97	24.83	312.5	.326
125	13.51K	33.67 G	-	-	-	-	269.9	125	13.51	33.670	5.66	25.28	269.9	.400
135	12.98	33.671	5.49	-	-	-	259.7	150	12.02	33.641	5.19	25.55	244.2	.465
155	11.69	33.634	5.09	-	-	-	238.9	200	9.71	33.864	4.51	26.14	188.7	.575
180	10.38	33.728	4.57	-	-	-	209.6	250	8.59	34.006	4.14	26.42	161.3	.665
204	9.60	33.891	4.50	-	-	-	185.1	300	7.78	34.047	2.95	26.58	146.6	.744
229	9.00	33.972	4.39	-	-	-	169.8	400	6.81	34.159	1.26	26.80	125.2	.885
258	8.45	34.013	4.00	-	-	-	158.6	500	6.05	34.248	.62	26.97	109.2	1.009
292	7.86	34.033	3.20	-	-	-	148.7							
341	7.46	34.125	1.81	-	-	-	136.4							
405	6.75	34.162	1.22	-	-	-	124.3							
480	6.18	34.232	.70	-	-	-	111.9							
559	5.74	34.287	.50	-	-	-	102.5							
110.35					CALCOFI CRUISE 6601								110.35	
ALEXANDER AGASSIZ, JANUARY 26 1966, 0250 GCT, 29 46N 116 00W, SOUNDING 650 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 08.														
0	16.28	33.874	5.77	-	-	-	312.1	0	16.28	33.874	5.77	24.84	312.1	0
10	16.29	33.873	5.74	-	-	-	312.4	10	16.29	33.873	5.74	24.83	312.4	.031
30	16.18	33.858	5.65	-	-	-	311.1	20	16.25	33.864	5.70	24.84	312.2	.063
50	15.98K	33.89 G	-	-	-	-	304.4	30	16.18	33.858	5.65	24.85	311.1	.094
54	15.92	33.887	4.79	-	-	-	303.3	50	15.98	33.890	4.94	24.92	304.4	.156
64	14.94	33.855	-	-	-	-	285.0	75	13.14	33.630	4.48	25.33	265.7	.227
74	13.22	33.635	4.49	-	-	-	266.9	100	12.14	33.713	4.03	25.58	241.1	.291
88	12.55	33.655	4.36	-	-	-	252.9	125	11.45	33.815	3.49	25.79	221.4	.350
103	12.05	33.730	3.94	-	-	-	238.3	150	11.53	34.178	1.87	26.06	196.1	.403
127	11.42	33.829	3.43	-	-	-	219.8	200	10.39	34.297	1.45	26.36	167.7	.495
147	11.56	34.152	1.98	-	-	-	198.4	250	9.69	34.373	1.02	26.53	150.8	.577
172	11.14	34.276	1.48	-	-	-	182.0	300	9.08	34.405	.76	26.66	138.9	.653
201	10.36	34.298	1.45	-	-	-	167.2	400	7.74	34.332	.67	26.81	124.9	.791
231	9.89	34.329	1.26	-	-	-	157.2	500	6.77	34.324	.48	26.94	112.4	.917
270	9.50	34.415	.77	-	-	-	144.7							
329	8.64	34.371	.74	-	-	-	134.8							
402	7.72	34.331	.67	-	-	-	124.6							
477	6.99	34.320	.52	-	-	-	115.6							
557	6.24	34.351	.37	-	-	-	103.8							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
110.40					CALCOFI CRUISE 6601								110.40	
ALEXANDER AGASSIZ, JANUARY 25 1966, 2348 GCT, 29 37.5N 116 20W, SOUNDING 1375 FM, WIND 290 FORCE 2, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 07.														
0	15.68	33.579	6.03	-	-	-	320.7	0	15.68	33.579	6.03	24.75	320.7	0
10	15.34	33.561	5.99	-	-	-	314.8	10	15.34	33.561	5.99	24.81	314.8	.032
30	15.28	33.559	5.98	-	-	-	313.7	20	15.31	33.560	5.98	24.82	314.3	.063
50	15.20K	33.55 G	-	-	-	-	312.7	30	15.28	33.559	5.98	24.82	313.7	.095
54	14.85	33.510	6.00	-	-	-	308.4	50	15.20	33.550	6.08	24.83	312.7	.158
64	14.17	33.564	5.30	-	-	-	290.7	75	13.26	33.629	4.39	25.30	268.1	.231
74	13.32	33.619	4.47	-	-	-	270.0	100	12.08	33.844	3.36	25.70	230.3	.293
89	12.55	33.776	3.54	-	-	-	244.0	125	10.89	33.876	3.21	25.94	207.2	.349
103	11.95	33.857	3.32	-	-	-	227.1	150	10.22	33.972	2.99	26.13	189.0	.399
128	10.76	33.881	3.19	-	-	-	204.7	200	9.43	34.143	2.33	26.40	163.8	.489
147	10.30	33.958	3.04	-	-	-	191.3	250	9.10	34.250	1.51	26.53	150.8	.570
172	9.71	34.068	2.60	-	-	-	173.7	300	8.63	34.294	1.16	26.64	140.5	.645
201	9.43	34.145	2.32	-	-	-	163.6	400	7.29	34.278	.82	26.83	122.6	.783
231	9.30	34.227	1.68	-	-	-	155.5	500	6.53	34.304	.56	26.96	110.9	.906
270	8.87	34.263	1.41	-	-	-	146.3							
329	8.38	34.314	.95	-	-	-	135.3							
403	7.24	34.276A	.81	-	-	-	122.2							
477	6.70	34.297A	.61	-	-	-	113.6							
557	6.10	34.322A	.46	-	-	-	104.2							
110.50					CALCOFI CRUISE 6601								110.50	
ALEXANDER AGASSIZ, JANUARY 25 1966, 1821 GCT, 29 17N 116 59.5W, SOUNDING 1800 FM, WIND 060 FORCE 3, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 02.														
0	15.39	33.357	6.05	-	-	-	330.8	0	15.39	33.357	6.05	24.64	330.8	0
10	15.36	33.350	6.02	-	-	-	330.7	10	15.36	33.350	6.02	24.64	330.7	.033
30	15.33	33.350	5.94	-	-	-	330.1	20	15.34	33.349	5.98	24.65	330.4	.066
50	15.33K	33.35 G	-	-	-	-	330.1	30	15.33	33.350	5.94	24.65	330.1	.099
60	15.33	33.349	6.00	-	-	-	330.1	50	15.33	33.350	5.97	24.65	330.1	.166
70	13.79	33.210	6.10	-	-	-	309.1	75	13.35	33.201	6.07	24.95	301.4	.245
84	12.85	33.225	5.97	-	-	-	290.1	100	12.19	33.388	5.36	25.32	265.9	.316
99	12.20	33.377	5.38	-	-	-	267.0	125	11.46	33.710	4.49	25.71	229.3	.379
114	12.12	33.559	5.07	-	-	-	252.1	150	10.98	33.930	3.14	25.97	204.8	.434
125	11.46K	33.71 G	-	-	-	-	229.3	200	10.28	34.293	1.76	26.37	166.3	.529
138	11.18	33.826	3.70	-	-	-	215.9	250	9.69	34.345	1.17	26.51	152.9	.611
159	10.86	34.009	2.78	-	-	-	196.9	300	9.03	34.408	.75	26.67	138.0	.686
188	10.52	34.290	-	-	-	-	170.4	400	7.76	34.367	.56	26.83	122.5	.823
218	9.94	34.297	1.52	-	-	-	160.4	500	6.76	34.362	.38	26.97	109.5	.946
248	9.71	34.341	1.19	-	-	-	153.5	600	6.03	34.368	.38	27.07	99.9	1.058
297	9.08	34.409	.76	-	-	-	138.6							
351	8.26	34.364	.68	-	-	-	129.8							
435	7.46	34.377	.47	-	-	-	117.6							
520	6.58	34.360	.37	-	-	-	107.3							
605	6.00	34.369	.38	-	-	-	99.5							
110.60					CALCOFI CRUISE 6601								110.60	
ALEXANDER AGASSIZ, JANUARY 25 1966, 1250 GCT, 28 56.5N 117 39W, SOUNDING 1940 FM, WIND 350 FORCE 5, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 07.														
0	15.52	33.381	5.87	-	-	-	331.8	0	15.52	33.381	5.87	24.63	331.8	0
10	15.56	33.376	5.97	-	-	-	333.0	10	15.56	33.376	5.97	24.62	333.0	.033
45	15.55	33.372	5.93	-	-	-	333.1	20	15.57	33.374	5.98	24.62	333.3	.067
75	15.48	33.363	6.00	-	-	-	332.3	30	15.57	33.374	5.98	24.62	333.3	.100
94	12.72	33.229	5.82	-	-	-	287.4	50	15.54	33.371	5.95	24.62	333.0	.167
109	12.46	33.514	4.96	-	-	-	261.6	75	15.48	33.363	6.00	24.63	332.3	.250
124	11.58	33.643	4.74	-	-	-	236.3	100	12.65	33.332	5.48	25.19	278.5	.327
144	10.50	33.708	4.61	-	-	-	213.1	125	11.52	33.647	4.73	25.65	235.0	.392
163	9.72	33.829	4.35	-	-	-	191.5	150	10.23	33.745	4.54	25.95	205.9	.448
193	9.04	33.960	3.90	-	-	-	171.3	200	8.93	33.975	3.87	26.35	168.5	.543
217	8.68	33.999	3.77	-	-	-	163.0	250	8.19	34.031	3.12	26.51	153.5	.626
242	8.32	34.021	3.30	-	-	-	156.2	300	7.40	34.060	2.47	26.64	140.5	.702
276	7.75	34.058	2.62	-	-	-	145.4	400	6.69	34.167	1.23	26.83	123.1	.839
316	7.20	34.061	2.40	-	-	-	137.7	500	6.19	34.267	.57	26.97	109.4	.961
365	6.72	34.104	1.71	-	-	-	128.2	600	5.49	34.339	.42	27.12	95.8	1.071
434	6.66	34.228	.85	-	-	-	118.2							
518	6.06	34.279	.52	-	-	-	106.9							
602	5.48	34.341	.42	-	-	-	95.5							

A) SALINITY BOTTLE NUMBERS AND ORDER DIFFER ON THE ORIGINAL DATA AND SALINITY DETERMINATION SHEETS. THEY ARE ASSUMED TO BE IN THE CORRECT ORDER.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
110.70					CALCOFI CRUISE 6601								110.70	
ALEXANDER AGASSIZ, JANUARY 25 1966, 0709 GCT, 28 36.5N 118 18W, SOUNDING 1900 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 09.														
0	16.09	33.482	5.92	-	-	-	336.6	0	16.09	33.482	5.92	24.58	336.6	0
10	15.91	33.482	5.94	-	-	-	332.7	10	15.91	33.482	5.94	24.62	332.7	.033
20	15.95K	33.48 G	-	-	-	-	333.7	20	15.95	33.480	5.91	24.61	333.7	.067
30	15.98K	33.48 G	-	-	-	-	334.3	30	15.98	33.480	5.88	24.60	334.3	.100
44	16.38	33.647	5.83	-	-	-	330.8	50	16.42	33.654	5.88	24.64	331.3	.167
74	16.47	33.684	5.87	-	-	-	330.1	75	16.46	33.693	5.85	24.66	329.2	.250
93	16.20	33.837	5.27	-	-	-	313.0	100	15.60	33.840	4.90	24.97	299.9	.329
100	15.60K	33.84 G	-	-	-	-	299.9	125	12.06	33.794	3.93	25.66	233.7	.397
108	14.22	33.821	-	-	-	-	272.8	150	10.97	33.817	3.92	25.88	212.9	.453
122	12.29	33.795	3.94	-	-	-	237.8	200	9.14	33.948	4.27	26.29	173.7	.552
142	11.26	33.803	3.91	-	-	-	218.9	250	8.64	34.049	3.24	26.45	158.7	.637
162	10.56	33.845	3.97	-	-	-	204.0	300	8.59	34.221	1.73	26.59	145.2	.716
191	9.34	33.924	4.32	-	-	-	178.6	400	7.21	34.249	.96	26.82	123.8	.856
215	8.91	33.982	4.07	-	-	-	167.7	500	6.58	34.317	.51	26.96	110.6	.980
240	8.63	34.013	3.61	-	-	-	161.3	600	5.65	34.349	.42	27.10	96.8	1.091
275	8.70	34.149	2.29	-	-	-	152.2							
314	8.46	34.247	1.53	-	-	-	141.4							
363	7.58	34.220	1.28	-	-	-	131.0							
432	7.00	34.285	.69	-	-	-	118.3							
516	6.46	34.323	.48	-	-	-	108.6							
600	5.65	34.349	.42	-	-	-	96.8							
110.80					CALCOFI CRUISE 6601								110.80	
ALEXANDER AGASSIZ, JANUARY 25 1966, 0226 GCT, 28 16.5N 118 57.5W, SOUNDING 2015 FM, WIND 330 FORCE 3, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 20.														
1	16.09	33.567	5.94	-	-	-	330.4	0	16.09	33.567	5.94	24.65	330.4	0
10	16.11	33.559	5.91	-	-	-	331.4	10	16.11	33.559	5.91	24.64	331.4	.033
44	16.12	33.564	5.91	-	-	-	331.2	20	16.12	33.558	5.90	24.63	331.7	.066
73	16.06	33.569	5.92	-	-	-	329.6	30	16.12	33.559	5.90	24.63	331.7	.100
75	16.02K	33.57 G	-	-	-	-	328.6	50	16.11	33.565	5.95	24.64	331.0	.166
92	13.82	33.501	5.46	-	-	-	288.4	75	16.02	33.570	5.88	24.66	328.6	.249
100	13.55K	33.55 G	-	-	-	-	279.5	100	13.55	33.550	5.19	25.18	279.5	.326
106	13.13	33.636	5.00	-	-	-	265.2	125	12.00	33.700	4.70	25.60	239.6	.391
120	12.34	33.696	4.70	-	-	-	246.0	150	10.50	33.777	4.43	25.93	208.0	.448
125	12.00K	33.70 G	-	-	-	-	239.6	200	9.82	34.118	2.56	26.31	171.8	.545
139	10.96	33.717	4.70	-	-	-	220.1	250	9.17	34.213	2.03	26.49	154.6	.628
158	10.30	33.836	4.15	-	-	-	200.4	300	8.48	34.276	1.15	26.65	139.5	.705
186	10.10	34.073	2.78	-	-	-	179.6	400	7.60	34.356	.75	26.85	121.1	.841
209	9.64	34.133	2.50	-	-	-	167.8	500	6.71	34.376	.40	26.99	107.8	.962
232	9.39	34.171	2.23	-	-	-	161.1							
265	8.98	34.245	1.84	-	-	-	149.3							
302	8.45	34.277	1.11	-	-	-	139.0							
348	8.10	34.319	.91	-	-	-	130.9							
414	7.46	34.363	.71	-	-	-	118.7							
495	6.76	34.376	.41	-	-	-	108.4							
577	5.90	34.369	.42	-	-	-	98.3							
110.90					CALCOFI CRUISE 6601								110.90	
ALEXANDER AGASSIZ, JANUARY 24 1966, 2129 GCT, 27 57N 119 35.5W, SOUNDING 2000 FM, WIND 330 FORCE 3, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 15.														
1	16.25	33.586	5.82	-	-	-	332.5	0	16.25	33.586	5.82	24.62	332.5	0
11	16.26	33.587	5.82	-	-	-	332.6	10	16.26	33.587	5.82	24.62	332.6	.033
45	16.25	33.579	5.78	-	-	-	333.0	20	16.26	33.584	5.81	24.62	332.8	.067
50	16.25K	33.58 G	-	-	-	-	332.9	30	16.26	33.582	5.79	24.62	332.9	.100
73	16.26	33.584	5.85	-	-	-	332.8	50	16.25	33.580	5.78	24.62	332.9	.167
92	15.22	33.544	5.99	-	-	-	313.6	75	16.16	33.580	5.88	24.64	331.0	.250
100	14.90K	33.54 G	-	-	-	-	307.2	100	14.90	33.540	5.78	24.89	307.2	.331
106	13.87	33.539	5.57	-	-	-	286.6	125	13.27	33.677	4.76	25.33	264.8	.403
120	13.43	33.648	5.03	-	-	-	270.0	150	11.54	33.753	4.33	25.73	227.5	.465
140	12.52	33.737	4.16	-	-	-	246.3	200	9.61	33.937	3.45	26.21	181.9	.569
159	10.66	33.766	4.53	-	-	-	211.5	250	8.86	34.075	2.83	26.44	160.0	.657
188	9.81	33.900	3.52	-	-	-	187.7	300	8.24	34.182	1.87	26.62	143.0	.735
211	9.47	33.966	3.37	-	-	-	177.5	400	7.44	34.302	.82	26.83	122.9	.874
235	9.12	34.033	3.10	-	-	-	167.1	500	6.48	34.328	.49	26.98	108.5	.997
268	8.56	34.122	2.46	-	-	-	152.1	600	5.83	34.380		27.11	96.7	1.107
305	8.20	34.190	1.79	-	-	-	141.9							
351	7.77	34.243	1.18	-	-	-	131.9							
417	7.32	34.319	.72	-	-	-	120.1							
498	6.50	34.327	.49	-	-	-	108.8							
582	5.92	34.367	.80U	-	-	-	98.7							
119.33					CALCOFI CRUISE 6601								119.33	
ALEXANDER AGASSIZ, JANUARY 29 1966, 1227 GCT, 28 19N 114 53W, SOUNDING 60 FM, WIND 220 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 03.														
0	16.97	34.088	5.59	-	-	-	311.8	0	16.97	34.088	5.59	24.84	311.8	0
10	16.98	34.080	5.57	-	-	-	312.6	10	16.98	34.080	5.57	24.83	312.6	.031
25	16.98	34.080	5.61	-	-	-	312.6	20	16.98	34.078	5.59	24.83	312.7	.063
35	17.00	34.087	5.63	-	-	-	312.5	30	16.99	34.084	5.62	24.83	312.5	.094
45	17.00	34.087	5.63	-	-	-	312.5	50	17.04	34.090	5.59	24.83	313.2	.157
50	17.04K	34.09 G	-	-	-	-	313.2	75	17.29	34.215	5.63	24.86	309.7	.235
60	17.22	34.174	5.52	-	-	-	311.1	100	15.66	33.989	3.99	25.07	290.3	.311
75	17.29	34.215	5.63	-	-	-	309.7							
100	15.66	33.989	3.99	-	-	-	290.3							

120.45 CALCOFI CRUISE 6601 120.45

ALEXANDER AGASSIZ, JANUARY 29 1966, 2110 GCT, 27 43N 155 33W, SOUNDING 1300 FM, WIND 330 FORCE 3, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 03.

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	18.30	34.289	5.62	-	-	-	327.8
10	18.06	34.291	5.44	-	-	-	322.0
30	18.00	34.283	5.54	-	-	-	321.2
50	18.00K	34.28 G	-	-	-	-	321.4
60	17.05	34.136	4.78	-	-	-	310.1
70	14.59	33.768	4.68	-	-	-	284.2
85	13.44	33.861	3.81	-	-	-	254.6
100	12.62	33.901	3.47	-	-	-	236.1
115	12.00	33.961	3.15	-	-	-	220.3
139	11.12	34.053	2.67	-	-	-	198.1
159	11.22	34.293	1.78	-	-	-	182.1
189	10.97	34.373	1.23	-	-	-	171.9
218	10.60	34.452	1.01	-	-	-	159.8
247	10.48	34.508	.75	-	-	-	153.7
296	9.36	34.439	.73	-	-	-	140.7
350	8.66	34.403	.70	-	-	-	132.8
435	7.75	34.413	.46	-	-	-	118.9
519	6.86	34.406	.34	-	-	-	107.5
603	6.23	34.403	.31	-	-	-	99.8

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	18.30	34.289	5.62	24.67	327.8	0
10	18.06	34.291	5.44	24.73	322.0	.033
20	18.02	34.288	5.48	24.74	321.4	.065
30	18.00	34.283	5.54	24.74	321.2	.097
50	18.00	34.280	5.06	24.74	321.4	.161
75	14.02	33.759	4.41	25.24	273.4	.236
100	12.62	33.901	3.47	25.64	236.1	.300
125	11.56	33.987	2.99	25.90	210.6	.357
150	11.14	34.185	2.18	26.14	188.7	.408
200	10.82	34.404	1.13	26.36	167.1	.499
250	10.42	34.506	.74	26.51	152.8	.581
300	9.30	34.435	.73	26.65	140.0	.657
400	8.11	34.405	.57	26.81	124.6	.796
500	7.04	34.407	.36	26.97	109.7	.921
600	6.25	34.403	.31	27.07	100.0	1.034

120.50 CALCOFI CRUISE 6601 120.50

ALEXANDER AGASSIZ, JANUARY 30 1966, 0006 GCT, 27 33N 115 52.5W, SOUNDING 2050 FM, WIND 360 FORCE 4, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 06.

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	17.98	34.198	5.66	-	-	-	326.9
10	17.70	34.187	5.61	-	-	-	321.2
30	17.63	34.184	5.61	-	-	-	319.8
55	17.04	34.103	5.59	-	-	-	312.2
65	17.22	34.170	5.56	-	-	-	311.4
75	16.60	34.085	4.94	-	-	-	303.7
90	14.42	33.908	3.74	-	-	-	270.5
105	13.26	33.919	3.38	-	-	-	246.9
125	11.91K	33.87 G	-	-	-	-	225.4
130	11.80	33.862	3.48	-	-	-	224.1
149	10.64	33.937	3.13	-	-	-	198.5
174	10.24	34.069	2.52	-	-	-	182.1
203	9.79	34.174	2.10	-	-	-	167.1
232	9.44	34.246	1.41	-	-	-	156.3
271	9.12	34.322	1.46	-	-	-	145.7
330	8.90	34.444	.51	-	-	-	133.3
402	7.98	34.417	.42	-	-	-	121.9
475	7.05	34.374	.41	-	-	-	112.4
554	6.32	34.396	.32	-	-	-	101.4

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	17.98	34.198	5.66	24.68	326.9	0
10	17.70	34.187	5.61	24.74	321.2	.032
20	17.66	34.185	5.60	24.75	320.5	.065
30	17.63	34.184	5.61	24.76	319.8	.097
50	17.12	34.108	5.60	24.82	313.7	.160
75	16.60	34.085	4.94	24.93	303.7	.238
100	13.58	33.907	3.44	25.45	254.0	.308
125	11.91	33.870	3.45	25.75	225.4	.369
150	10.61	33.942	3.11	26.04	197.6	.423
200	9.83	34.165	2.14	26.35	168.5	.516
250	9.27	34.282	1.40	26.53	151.0	.598
300	9.02	34.390	1.02	26.66	139.2	.673
400	8.01	34.419	.42	26.84	122.1	.810
500	6.79	34.373	.39	26.98	109.0	.933

120.60 CALCOFI CRUISE 6601 120.60

ALEXANDER AGASSIZ, JANUARY 30 1966, 0508 GCT, 27 13N 116 30.5W, SOUNDING 2000 FM, WIND CALM, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 00.

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	16.90	33.802	5.76	-	-	-	331.0
10	16.84	33.830	5.69	-	-	-	327.7
40	16.81	33.857	5.68	-	-	-	325.0
65	16.80	33.881	5.70	-	-	-	323.0
75	16.80K	33.88 G	-	-	-	-	323.1
85	16.06	33.902	5.24	-	-	-	305.3
100	13.64	33.889	3.72	-	-	-	256.4
115	12.73	33.956	3.20	-	-	-	234.1
125	12.60K	34.03 G	-	-	-	-	226.2
136	12.32	34.140	2.30	-	-	-	213.0
156	12.24	34.341	1.46	-	-	-	196.7
181	11.28	34.410	1.17	-	-	-	174.5
205	10.70	34.420	1.09	-	-	-	163.8
230	10.29	34.479	.78	-	-	-	152.7
260	10.26	34.553	.46	-	-	-	146.7
294	9.84	34.548	.39	-	-	-	140.2
343	9.04	34.483	.42	-	-	-	132.5
406	8.14	34.435	.42	-	-	-	122.8
480	7.22	34.404	.35	-	-	-	112.4
560	6.42	34.396	.35	-	-	-	102.6

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	16.90	33.802	5.76	24.64	331.0	0
10	16.84	33.830	5.69	24.67	327.7	.033
20	16.83	33.844	5.68	24.69	326.4	.066
30	16.82	33.849	5.68	24.69	325.8	.098
50	16.80	33.869	5.73	24.71	324.0	.164
75	16.80	33.880	5.61	24.72	323.1	.245
100	13.64	33.889	3.72	25.42	256.4	.318
125	12.60	34.030	2.78	25.74	226.2	.379
150	12.26	34.287	1.68	26.00	201.1	.433
200	10.80	34.416	1.11	26.38	165.8	.527
250	10.27	34.532	.55	26.56	148.4	.608
300	9.75	34.541	.39	26.66	139.2	.683
400	8.22	34.438	.42	26.82	123.7	.821
500	7.00	34.400	.34	26.97	109.8	.945

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
120.70					CALCOFI CRUISE 6601								120.70	
ALEXANDER AGASSIZ, JANUARY 30 1966, 1032 GCT, 26 52N 117 10.5W, SOUNDING 2150 FM, WIND 220 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 18.														
0	17.26	34.039	5.71	-	-	-	321.9	0	17.26	34.039	5.71	24.74	321.9	0
8	17.31	34.046	5.64	-	-	-	322.5	10	17.31	34.047	5.64	24.73	322.5	.032
28	17.28	34.054	5.63	-	-	-	321.2	20	17.30	34.052	5.63	24.73	322.0	.065
57	17.28	34.065	5.63	-	-	-	320.4	30	17.28	34.056	5.63	24.74	321.1	.097
67	17.26	34.050	5.63	-	-	-	321.1	50	17.28	34.066	5.63	24.75	320.4	.161
75	15.20K	33.77 G	-	-	-	-	296.6	75	15.20	33.770	5.38	25.00	296.6	.239
82	14.38	33.691	5.06	-	-	-	285.6	100	13.14	33.774	4.51	25.44	255.2	.308
96	13.55	33.798	4.38	-	-	-	261.3	125	12.20	33.956	3.24	25.76	224.3	.369
109	12.28	33.726	4.77	-	-	-	242.7	150	11.86	34.181	2.01	26.00	201.7	.423
133	12.14	34.101	2.33	-	-	-	212.6	200	11.04	34.440	1.07	26.35	168.2	.518
151	11.84	34.183	1.99	-	-	-	201.1	250	10.00	34.434	.87	26.53	151.3	.600
179	11.35	34.336	1.40	-	-	-	181.2	300	9.35	34.453	.64	26.65	139.5	.675
205	10.96	34.457	1.01	-	-	-	165.5	400	8.17	34.455	.38	26.84	121.8	.813
233	10.34	34.436	.93	-	-	-	156.7	500	6.91	34.400	.33	26.98	108.6	.935
278	9.55	34.438	.75	-	-	-	143.8							
329	9.12	34.473	.50	-	-	-	134.5							
409	8.04	34.449	.37	-	-	-	120.3							
490	7.01	34.400	.33	-	-	-	109.9							
573	6.38	34.445	.29	-	-	-	98.5							
120.80					CALCOFI CRUISE 6601								120.80	
ALEXANDER AGASSIZ, JANUARY 30 1966, 1516 GCT, 26 32.5N 117 49W, SOUNDING 1975 FM, WIND 260 FORCE 2, WEATHER OVERCAST, SEA HIGH, WIRE ANGLE 03.														
0	16.41	33.688	5.83	-	-	-	328.5	0	16.41	33.688	5.83	24.67	328.5	0
10	16.42	33.683	5.74	-	-	-	329.1	10	16.42	33.683	5.74	24.66	329.1	.033
30	16.42	33.680	5.77	-	-	-	329.3	20	16.42	33.680	5.74	24.66	329.3	.066
60	16.43	33.689	5.77	-	-	-	328.9	30	16.42	33.680	5.77	24.66	329.3	.099
70	16.43	33.699	5.75	-	-	-	328.1	50	16.43	33.683	5.78	24.66	329.2	.165
75	14.80K	33.70 G	-	-	-	-	293.5	75	14.80	33.700	5.62	25.03	293.5	.243
85	13.80	33.515	5.23	-	-	-	287.0	100	13.42	33.680	4.54	25.31	267.5	.314
100	13.42	33.680	4.54	-	-	-	267.5	125	12.02	33.786	3.79	25.66	233.6	.377
115	12.74	33.735	4.12	-	-	-	250.5	150	10.55	33.906	3.26	26.02	199.4	.432
140	10.97	33.864	3.37	-	-	-	209.5	200	9.60	34.085	2.54	26.32	170.8	.527
160	10.26	33.945	3.17	-	-	-	191.6	250	9.10	34.275	1.48	26.55	148.9	.609
189	9.84	34.066	2.57	-	-	-	175.9	300	9.14	34.434	.63	26.67	137.7	.683
219	9.24	34.121	2.49	-	-	-	162.4	400	7.67	34.377	.54	26.85	120.5	.818
249	9.10	34.270	1.51	-	-	-	149.3	500	6.63	34.370	.37	26.99	107.2	.939
298	9.17	34.435	.64	-	-	-	138.1	600	5.89	34.386	.34	27.10	96.9	1.049
351	8.29	34.371	.67	-	-	-	129.7							
434	7.30	34.392	.43	-	-	-	114.3							
517	6.48	34.369	.36	-	-	-	105.4							
602	5.88	34.387	.34	-	-	-	96.7							
120.90					CALCOFI CRUISE 6601								120.90	
ALEXANDER AGASSIZ, JANUARY 30 1966, 2006 GCT, 26 12N 118 26W, SOUNDING 2200 FM, WIND 280 FORCE 3, WEATHER OVERCAST, SEA HIGH, WIRE ANGLE 23.														
0	16.44	33.697	5.82	-	-	-	328.5	0	16.44	33.697	5.82	24.67	328.5	0
9	16.40	33.692	5.74	-	-	-	328.0	10	16.40	33.692	5.74	24.67	328.0	.033
41	16.34	33.686	5.76	-	-	-	327.1	20	16.37	33.688	5.72	24.67	327.7	.066
64	16.32	33.695	5.76	-	-	-	326.0	30	16.35	33.687	5.73	24.68	327.3	.098
75	16.30K	33.69 G	-	-	-	-	326.0	50	16.33	33.690	5.80	24.69	326.6	.164
88	14.02	33.576	5.08	-	-	-	286.8	75	16.30	33.690	5.46	24.69	326.0	.246
101	13.16	33.639	4.93	-	-	-	265.5	100	13.20	33.631	4.94	25.31	266.8	.321
115	12.40	33.704	4.91	-	-	-	246.5	125	11.80	33.738	4.77	25.67	233.2	.384
134	11.26	33.763	4.57	-	-	-	221.9	150	10.39	33.807	4.09	25.98	203.9	.439
151	10.34	33.810	4.06	-	-	-	202.9	200	9.83	34.158	2.19	26.34	168.9	.534
178	9.81	33.996	3.13	-	-	-	180.6	250	9.51	34.325	1.28	26.53	151.5	.617
199	9.81	34.149	2.23	-	-	-	169.3	300	8.58	34.310	1.08	26.66	138.5	.692
220	10.08	34.311	1.46	-	-	-	161.6	400	7.57	34.342	.67	26.84	121.7	.828
250	9.51	34.325	1.28	-	-	-	151.5	500	6.60	34.357		26.99	107.8	.950
285	8.68	34.296	1.21	-	-	-	141.0							
328	8.48	34.343	.89	-	-	-	134.6							
390	7.66	34.338	.68	-	-	-	123.3							
467	6.92	34.356	.27U	-	-	-	112.0							
550	6.10	34.351	.60U	-	-	-	102.0							

INPUT

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
130.30							CALCOFI CRUISE 6601						130.30	
ALEXANDER AGASSIZ, FEBRUARY 4 1966, 0212 GCT, 26 29N 113 29W, SOUNDING 45 FM, WIND 260 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 02.														
0	18.38	34.410	5.54	-	-	-	320.9	0	18.38	34.410	5.54	24.75	320.9	0
10	18.40	34.404	5.44	-	-	-	321.8	10	18.40	34.404	5.44	24.74	321.8	.032
20	18.30	34.424	5.26	-	-	-	317.9	20	18.30	34.424	5.26	24.78	317.9	.064
30	18.13	34.423	5.21	-	-	-	314.0	30	18.13	34.423	5.21	24.82	314.0	.096
50	18.08	34.420	5.16	-	-	-	313.1	50	18.08	34.420	5.16	24.83	313.1	.159
75	14.96	34.227	2.00	-	-	-	258.2	75	14.96	34.227	2.00	25.40	258.2	.231
130.40							CALCOFI CRUISE 6601						130.40	
ALEXANDER AGASSIZ, FEBRUARY 4 1966, 0717 GCT, 26 09N 114 07W, SOUNDING 1300 FM, WIND 350 FORCE 4, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 12.														
0	17.95	34.216	5.59	-	-	-	324.9	0	17.95	34.216	5.59	24.70	324.9	0
10	17.98	34.208	5.63	-	-	-	326.1	10	17.98	34.208	5.63	24.69	326.1	.033
30	17.86	34.199	5.61	-	-	-	324.0	20	17.93	34.203	5.63	24.70	325.3	.065
50	17.82K	34.19 G	-	-	-	-	323.7	30	17.86	34.199	5.61	24.71	324.0	.098
59	17.44	34.115	5.51	-	-	-	320.4	50	17.82	34.190	5.55	24.72	323.7	.163
69	14.76	33.818	4.60	-	-	-	284.0	75	13.70	33.740	4.56	25.30	268.5	.237
75	13.70K	33.74 G	-	-	-	-	268.5	100	12.47	33.821	3.77	25.60	239.1	.301
83	13.53	33.742	4.62	-	-	-	265.1	125	12.80	34.280	1.95	25.89	211.6	.358
98	12.52	33.792	3.93	-	-	-	242.3	150	12.01	34.408	1.26	26.15	187.6	.409
112	12.43	34.041	2.74	-	-	-	222.3	200	11.52	34.619	.47	26.40	163.3	.499
125	12.80K	34.28 G	-	-	-	-	211.6	250	11.02	34.626	.36	26.50	154.1	.581
136	12.40	34.342	1.51	-	-	-	199.6	300	10.13	34.586	.36	26.63	142.2	.658
156	11.88	34.435	1.20	-	-	-	183.3	400	8.78	34.523	.30	26.80	125.6	.799
184	11.58	34.580	.59	-	-	-	167.3	500	7.34	34.460	.26	26.97	109.8	.925
211	11.48	34.632	.44	-	-	-	161.7							
239	11.20	34.631	.36	-	-	-	156.8							
286	10.36	34.600	.37	-	-	-	144.9							
338	9.56	34.549	.34	-	-	-	135.7							
421	8.52	34.516	.29	-	-	-	122.3							
505A	7.28	34.458	.26	-	-	-	109.2							
589A	6.50	34.449	.29	-	-	-	99.7							
130.50							CALCOFI CRUISE 6601						130.50	
ALEXANDER AGASSIZ, FEBRUARY 4 1966, 1241 GCT, 25 49N 114 45.5W, SOUNDING 1900 FM, WIND 340 FORCE 3, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 06.														
0	17.56	34.087	5.71	-	-	-	325.2	0	17.56	34.087	5.71	24.70	325.2	0
10	17.58	34.079	5.66	-	-	-	326.3	10	17.58	34.079	5.66	24.69	326.3	.033
30	17.58	34.077	5.68	-	-	-	326.4	20	17.59	34.076	5.66	24.69	326.6	.065
50	17.53K	34.10 G	-	-	-	-	323.6	30	17.58	34.077	5.68	24.69	326.4	.098
60	17.46	34.111	5.63	-	-	-	321.2	50	17.53	34.100	5.67	24.72	323.6	.163
70	15.62	33.813	5.55	-	-	-	302.3	75	15.18	33.791	5.30	25.02	294.6	.241
85	14.58	33.751	4.85	-	-	-	285.2	100	13.18	33.689	5.08	25.36	262.2	.311
100	13.18	33.689	5.08	-	-	-	262.2	125	12.13	33.928	3.12	25.75	225.1	.373
115	12.66	33.906	3.52	-	-	-	236.5	150	10.93	33.985	2.89	26.02	199.8	.427
140	11.32	33.960	2.96	-	-	-	208.4	200	10.03	34.214	1.94	26.35	168.1	.521
159	10.64	34.012	2.83	-	-	-	193.0	250	9.53	34.380	1.06	26.57	147.7	.602
189	10.14	34.150	2.22	-	-	-	174.5	300	9.42	34.485	.52	26.67	138.2	.676
218	9.88	34.308	1.52	-	-	-	158.6	400	8.29	34.466	.39	26.83	122.6	.813
247	9.54	34.372	1.10	-	-	-	148.5	500	7.28	34.442	.32	26.96	110.4	.937
296	9.45	34.483	.54	-	-	-	138.9	600	6.64	34.472	.28	27.07	99.8	1.051
349	8.94	34.483	.44	-	-	-	131.0							
432	7.88	34.454	.37	-	-	-	117.7							
516	7.16	34.443	.31	-	-	-	108.7							
601	6.64	34.473	.28	-	-	-	99.7							

A) THE DEPTHS FOR THE LAST TWO NANSEN BOTTLES WERE DETERMINED FROM AN EXTRAPOLATED DEPTH CURVE, DUE TO MALFUNCTIONING OF THE UNPROTECTED THERMOMETERS.

130.60 CALCOFI CRUISE 6601 130.60

ALEXANDER AGASSIZ, FEBRUARY 4 1966, 1805 GCT, 25 29N 115 24W, SOUNDING 2070 FM, WIND 020 FORCE 2, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 12.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T
0	17.83	34.049	5.58	-	-	-	334.2
10	17.72	34.046	5.54	-	-	-	331.9
29	17.72	34.047	5.61	-	-	-	331.8
50	17.58K	34.05 G	-	-	-	-	328.4
59	17.39	34.044	5.49	-	-	-	324.5
68	17.54	34.115	5.62	-	-	-	322.7
75	17.70K	34.18 A	-	-	-	-	321.7
84	14.69	33.645	5.63	-	-	-	295.2
98	13.53	33.688	5.11	-	-	-	269.0
100	13.50K	33.70 G	-	-	-	-	267.6
113	12.41	33.814	4.15	-	-	-	238.6
125	11.60K	33.95 G	-	-	-	-	214.0
136	11.23	34.035	2.67	-	-	-	201.3
155	10.74	34.080	2.54	-	-	-	189.6
183	10.16	34.156	2.18	-	-	-	174.4
211	10.54	34.437	1.01	-	-	-	159.9
238	10.08	34.437	.89	-	-	-	152.3
285	9.52	34.459	.67	-	-	-	141.8
336	9.02	34.480	.42	-	-	-	132.5
417	7.72	34.416	.40	-	-	-	118.3
499	7.14	34.440	.31	-	-	-	108.6
583	6.40	34.466	.28	-	-	-	97.2

OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
0	17.83	34.049	5.58	24.61	334.2	0
10	17.72	34.046	5.54	24.63	331.9	.033
20	17.71	34.046	5.57	24.63	331.7	.067
30	17.72	34.047	5.60	24.63	331.7	.100
50	17.58	34.050	5.50	24.67	328.4	.166
75	17.70	34.180	5.66	24.74	321.7	.248
100	13.50	33.700	4.99	25.31	267.6	.322
125	11.60	33.950	3.29	25.87	214.0	.383
150	10.86	34.069	2.58	26.10	192.4	.435
200	10.39	34.331	1.45	26.38	165.1	.526
250	9.92	34.441	.83	26.55	149.4	.607
300	9.38	34.468	.59	26.66	138.9	.682
400	7.99	34.431	.41	26.85	121.0	.818
500	7.13	34.440	.31	26.98	108.5	.940
600	6.23	34.471	.27	27.13	94.7	1.050

130.70 CALCOFI CRUISE 6601 130.70

ALEXANDER AGASSIZ, FEBRUARY 4 1966, 2217 GCT, 25 09N 116 02W, SOUNDING 2050 FM, WIND 330 FORCE 2, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 18.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T
0	17.8	33.856	5.72	-	-	-	347.6
9	17.18	33.854	5.65	-	-	-	333.5
38	17.06	33.840	5.68	-	-	-	331.9
61	17.12	33.905	5.70	-	-	-	328.5
75	17.12K	33.92 G	-	-	-	-	327.4
80	17.12	33.930	5.72	-	-	-	326.6
94	14.64	33.632	5.65	-	-	-	295.2
100	13.92K	33.67 G	-	-	-	-	278.0
108	13.40	33.698	5.05	-	-	-	265.8
126	11.86	33.737	4.47	-	-	-	234.3
144	10.82	33.879	3.39	-	-	-	205.8
166	10.32	34.035	2.73	-	-	-	186.0
190	10.22	34.232	1.84	-	-	-	169.8
212	10.16	34.311	1.51	-	-	-	162.9
240	10.24	34.446	.84	-	-	-	154.3
271	9.93	34.495	.60	-	-	-	145.6
315	9.36	34.502	.42	-	-	-	136.1
375	8.51	34.461	.41	-	-	-	126.2
444	7.42	34.421	.30	-	-	-	113.8
522	6.84	34.462	.24	-	-	-	103.1

OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
0	17.80	33.856	5.72	24.47	347.6	0
10	17.15	33.853	5.65	24.62	333.0	.034
20	17.12	33.843	5.64	24.62	333.0	.067
30	17.08	33.839	5.65	24.62	332.4	.101
50	17.09	33.873	5.69	24.65	330.1	.167
75	17.12	33.920	5.72	24.68	327.4	.250
100	13.92	33.670	5.42	25.20	278.0	.326
125	11.95	33.734	4.51	25.64	236.1	.391
150	10.62	33.921	3.18	26.02	199.4	.446
200	10.18	34.272	1.67	26.37	166.2	.540
250	10.17	34.470	.73	26.53	151.3	.621
300	9.57	34.501	.46	26.66	139.3	.697
400	8.05	34.438	.36	26.85	121.3	.834
500	6.93	34.441	.25	27.01	105.8	.955

130.80 CALCOFI CRUISE 6601 130.80

ALEXANDER AGASSIZ, FEBRUARY 5 1966, 0249 GCT, 24 48N 116 39W, SOUNDING 2150 FM, WIND 330 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 04.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T
0	18.68	34.182	5.53	-	-	-	344.6
10	18.62	34.181	5.49	-	-	-	343.2
45	18.50	34.177	5.49	-	-	-	340.6
50	18.48K	34.17 G	-	-	-	-	340.7
75	16.80	33.854	5.55	-	-	-	325.0
95	14.12	33.742	4.74	-	-	-	276.6
100	13.86K	33.74 G	-	-	-	-	271.6
110	12.78	33.722	4.48	-	-	-	252.2
125	12.04	33.806	3.70	-	-	-	232.5
145	11.18	33.892	3.21	-	-	-	211.0
165	10.84	34.119	2.30	-	-	-	188.4
194	10.56	34.312	1.54	-	-	-	169.5
219	10.47	34.437	.97	-	-	-	158.7
243	9.86	34.378	1.14	-	-	-	153.1
277	9.46	34.409	.87	-	-	-	144.5
316	9.10	34.431	.68	-	-	-	137.3
364	8.54	34.441	.47	-	-	-	128.2
433	7.84	34.451	.32	-	-	-	117.4
517	7.14	34.462	.23	-	-	-	107.0
602	6.34	34.457	.28	-	-	-	97.1

OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
0	18.68	34.182	5.53	24.50	344.6	0
10	18.62	34.181	5.49	24.51	343.2	.034
20	18.58	34.180	5.48	24.52	342.3	.069
30	18.54	34.179	5.47	24.53	341.6	.103
50	18.48	34.170	5.55	24.54	340.7	.171
75	16.80	33.854	5.55	24.70	325.0	.255
100	13.86	33.740	4.67	25.26	271.6	.330
125	12.04	33.806	3.70	25.67	232.5	.394
150	11.07	33.946	2.99	25.96	205.1	.450
200	10.53	34.352	1.36	26.37	166.0	.544
250	9.75	34.379	1.10	26.53	151.3	.626
300	9.25	34.424	.75	26.65	140.1	.702
400	8.16	34.447	.38	26.84	122.2	.839
500	7.29	34.461	.24	26.97	109.1	.963
600	6.36	34.457	.28	27.10	97.3	1.074

A) THE TEMPERATURE INVERSION INDICATED BY THE BATHYTHERMOGRAPH OBSERVATION ACCOUNTS FOR THIS SALINITY VALUE.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
130.90					CALCOFI CRUISE 6601								130.90	
ALEXANDER AGASSIZ, FEBRUARY 2 1966, 2008 GCT, 24 26.5N 117 18.5W, SOUNDING 2100 FM, WIND 350 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 18.														
1	17.58	33.891	5.64	-	-	-	340.0	0	17.58	33.891	5.64	24.55	340.0	0
10	17.50	33.886	5.66	-	-	-	338.5	10	17.50	33.886	5.66	24.56	338.5	.034
44	17.44	33.886	5.69	-	-	-	337.1	20	17.46	33.882	5.67	24.57	337.8	.068
50	17.44K	33.89 G	-	-	-	-	336.8	30	17.46	33.882	5.68	24.57	337.8	.102
72	17.44	33.888	5.72	-	-	-	337.0	50	17.44	33.890	5.72	24.58	336.8	.169
75	17.43K	33.88 G	-	-	-	-	337.3	75	17.43	33.880	5.69	24.57	337.3	.254
91	14.98	33.663	5.47	-	-	-	299.9	100	14.08	33.684	5.09	25.17	280.0	.332
105	13.67	33.713	4.88	-	-	-	269.9	125	12.19	33.756	4.28	25.61	238.9	.398
119	12.64	33.731	4.57	-	-	-	249.0	150	11.32	33.963	2.98	25.93	208.2	.454
138	11.44	33.842	3.57	-	-	-	219.2	200	10.57	34.267	1.79	26.30	173.0	.551
157	11.25	34.034	2.69	-	-	-	201.7	250	9.88	34.403	1.03	26.53	151.7	.635
186	10.79	34.187	2.11	-	-	-	182.6	300	9.40	34.469	.84	26.66	139.1	.711
208	10.46	34.308	1.61	-	-	-	168.1	400	8.25	34.490	.35	26.86	120.3	.847
232	10.20	34.378	1.25	-	-	-	158.6	500	7.08	34.419	.34	26.97	109.4	.969
263	9.66	34.415	.92	-	-	-	147.2							
300	9.40	34.469	.84	-	-	-	139.1							
346	8.80	34.480	.49	-	-	-	129.1							
413	8.12	34.489	.33	-	-	-	118.5							
493	7.15	34.422	.34	-	-	-	110.1							
577	6.40	34.417	.36	-	-	-	100.8							
137.23					CALCOFI CRUISE 6601								137.23	
ALEXANDER AGASSIZ, FEBRUARY 6 1966, 1013 GCT, 25 34N 112 19W, SOUNDING 42 FM, WIND 340 FORCE 2, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 00.														
0	19.52	34.538	5.54	-	-	-	339.1	0	19.52	34.538	5.54	24.55	339.1	0
10	19.55	34.534	5.46	-	-	-	340.1	10	19.55	34.534	5.46	24.54	340.1	.034
20	19.51	34.537	5.51	-	-	-	338.9	20	19.51	34.537	5.51	24.56	338.9	.068
30	19.39	34.527	5.42	-	-	-	336.7	30	19.39	34.527	5.42	24.58	336.7	.102
45	19.32	34.530	5.44	-	-	-	334.8	50	19.28	34.530	5.07	24.61	333.8	.169
50	19.28K	34.53 G	-	-	-	-	333.8							
60	17.40	34.256	3.75	-	-	-	309.3							
137.30					CALCOFI CRUISE 6601								137.30	
ALEXANDER AGASSIZ, FEBRUARY 6 1966, 1325 GCT, 25 20N 112 45W, SOUNDING 205 FM, WIND 220 FORCE 2, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 05.														
0	19.64	34.490	5.45	-	-	-	345.5	0	19.64	34.490	5.45	24.49	345.5	0
10	19.66	34.489	5.35	-	-	-	346.1	10	19.66	34.489	5.35	24.48	346.1	.035
30	19.60	34.474	5.34	-	-	-	345.7	20	19.64	34.483	5.34	24.48	346.0	.069
45	19.32	34.458	5.24	-	-	-	340.0	30	19.60	34.474	5.34	24.48	345.7	.104
50	19.31K	34.45 G	-	-	-	-	340.3	50	19.31	34.450	5.15	24.54	340.3	.173
60	18.58	34.398	4.86	-	-	-	326.5	75	15.82	34.071	4.04	25.09	287.7	.252
75	15.82	34.071	4.04	-	-	-	287.7	100	14.90	34.240	2.27	25.43	256.0	.320
90	15.33	34.180	2.83	-	-	-	269.4	125	14.14	34.398	1.46	25.71	229.0	.382
100	14.90K	34.24 G	-	-	-	-	256.0	150	13.31	34.548	.85	26.00	201.7	.437
109	14.80	34.279	1.89	-	-	-	251.1	200	11.92	34.644	.31	26.35	168.6	.531
134	13.71	34.469	1.28	-	-	-	215.2	250	11.23	34.642	.26	26.47	156.6	.615
163	13.04	34.593	.55	-	-	-	193.2	300	10.89	34.625	.27	26.52	152.0	.696
197	11.98	34.643	.32	-	-	-	169.8							
231	11.48	34.646	.29	-	-	-	160.6							
270	11.02	34.635	.23	-	-	-	153.4							
315	10.84	34.622	.27	-	-	-	151.3							
355	10.74	34.619	.23	-	-	-	149.8							
137.40					CALCOFI CRUISE 6601								137.40	
ALEXANDER AGASSIZ, FEBRUARY 6 1966, 1832 GCT, 25 00N 113 23.5W, SOUNDING 1725 FM, WIND 240 FORCE 3, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 09.														
0	19.70	34.427	5.48	-	-	-	351.6	0	19.70	34.427	5.48	24.42	351.6	0
10	19.62	34.416	5.39	-	-	-	350.4	10	19.62	34.416	5.39	24.44	350.4	.035
30	19.58	34.415	5.40	-	-	-	349.5	20	19.60	34.415	5.38	24.44	349.9	.070
50	19.16K	34.36 G	-	-	-	-	343.2	30	19.58	34.415	5.40	24.45	349.5	.105
59	19.13	34.347	5.44	-	-	-	343.4	50	19.16	34.360	5.42	24.51	343.2	.175
69	18.09	34.154	5.46	-	-	-	332.6	75	16.15	34.070	4.82	25.02	295.0	.255
75	16.15K	34.07 G	-	-	-	-	295.0	100	14.28	34.159	2.69	25.50	249.3	.324
85	15.26	34.058	3.55	-	-	-	276.8	125	13.72	34.480	1.25	25.86	214.6	.382
100	14.28	34.159	2.69	-	-	-	249.3	150	12.79	34.604	.64	26.15	187.7	.434
114	13.79	34.335	1.73	-	-	-	226.6	200	11.54	34.596	.59	26.38	165.5	.524
125	13.72K	34.48 G	-	-	-	-	214.6	250	10.78	34.604	.41	26.53	151.6	.606
139	13.02	34.538	.86	-	-	-	196.8	300	10.18	34.597	.34	26.63	142.1	.682
158	12.68	34.643	.55	-	-	-	182.7	400	8.64	34.504	.29	26.81	125.0	.823
187	11.80	34.583	.65	-	-	-	171.0	500	7.24	34.454	.29	26.98	108.9	.948
216	11.29	34.618	.50	-	-	-	159.4	600	6.17	34.438	.31	27.11	96.4	1.059
245	10.84	34.605	.42	-	-	-	152.6							
294	10.26	34.603	.34	-	-	-	143.0							
347	9.48	34.541	.32	-	-	-	135.1							
430	8.18	34.489	.28	-	-	-	119.4							
514	7.07	34.449	.29	-	-	-	107.0							
599	6.18	34.438	.31	-	-	-	96.5							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
137.50					CALCOFI CRUISE 6601								137.50	
ALEXANDER AGASSIZ, FEBRUARY 6 1966, 2335 GCT, 24 41.5N 114 02W, SOUNDING 1910 FM, WIND 250 FORCE 4, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 18.														
1	19.69	34.392	5.45	-	-	-	353.9	0	19.69	34.392	5.45	24.40	353.9	0
10	19.69	34.387	5.37	-	-	-	354.2	10	19.69	34.387	5.37	24.40	354.2	.035
29	19.62	34.392	5.39	-	-	-	352.2	20	19.66	34.396	5.36	24.41	352.8	.071
50	18.72K	34.25 G	-	-	-	-	340.6	30	19.58	34.385	5.39	24.42	351.6	.106
58	18.62	34.241	5.46	-	-	-	338.8	50	18.72	34.250	5.45	24.54	340.6	.176
67	18.30	34.203	5.45	-	-	-	334.0	75	16.83	33.979	5.22	24.79	316.6	.258
81	15.64	33.810	5.00	-	-	-	303.0	100	14.64	33.840	4.27	25.18	279.9	.333
96	14.79	33.827	4.59	-	-	-	284.0	125	12.51	34.049	2.78	25.77	223.1	.397
100	14.64K	33.84 G	-	-	-	-	279.9	150	11.27	34.113	2.39	26.06	196.3	.450
110	13.55	33.966	3.42	-	-	-	249.0	200	10.36	34.285	1.64	26.35	168.1	.543
133	12.11	34.066	2.61	-	-	-	214.6	250	9.82	34.416	.93	26.55	149.6	.625
152	11.19	34.118	2.37	-	-	-	194.5	300	9.39	34.452	.64	26.65	140.3	.700
180	10.64	34.215	1.92	-	-	-	178.0	400	8.25	34.451	.39	26.83	123.2	.839
207	10.27	34.308	1.54	-	-	-	165.0	500	7.18	34.442	.31	26.98	109.0	.963
235	9.94	34.387	1.08	-	-	-	153.8							
282	9.57	34.451	.73	-	-	-	143.1							
333	9.04	34.443	.53	-	-	-	135.5							
413	8.10	34.453	.38	-	-	-	120.9							
494	7.24	34.443	.31	-	-	-	109.7							
577	6.39	34.436	.31	-	-	-	99.3							
137.60					CALCOFI CRUISE 6601								137.60	
ALEXANDER AGASSIZ, FEBRUARY 7 1966, 0434 GCT, 24 24.5N 114 39W, SOUNDING 1930 FM, WIND 300 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 14.														
0	18.22	34.115	5.57	-	-	-	338.5	0	18.22	34.115	5.57	24.56	338.5	0
10	18.25	34.111	5.49	-	-	-	339.5	10	18.25	34.111	5.49	24.55	339.5	.034
44	18.02	34.098	5.50	-	-	-	335.1	20	18.21	34.107	5.47	24.56	338.7	.068
73	17.88	34.085	5.49	-	-	-	332.8	30	18.14	34.103	5.47	24.57	337.5	.102
75	17.87K	34.09 G	-	-	-	-	332.2	50	17.99	34.089	5.50	24.60	335.0	.169
92	15.70	33.854	4.79	-	-	-	301.0	75	17.87	34.090	5.45	24.63	332.2	.253
100	14.75K	33.99 G	-	-	-	-	271.2	100	14.75	33.990	4.11	25.27	271.2	.329
107	14.66	34.005	3.49	-	-	-	268.3	125	13.48	34.142	2.57	25.65	234.8	.393
121	13.66	34.122	2.70	-	-	-	239.7	150	12.15	34.153	2.26	25.92	208.9	.450
141	12.80	34.175	2.29	-	-	-	219.3	200	10.89	34.352	1.35	26.31	172.0	.547
160	11.49	34.139	2.22	-	-	-	198.2	250	10.38	34.490	.80	26.51	153.3	.631
189	11.46	34.412	1.16	-	-	-	177.5	300	9.53	34.467	.63	26.63	141.4	.707
212	10.31	34.286	1.57	-	-	-	167.3	400	8.29	34.463	.34	26.83	122.9	.846
236	10.57	34.477	.85	-	-	-	157.5	500	7.34	34.442	.27	26.95	111.1	.971
269	9.98	34.465	.73	-	-	-	148.6	600	6.46	34.441	.27	27.07	99.7	1.084
307	9.44	34.468	.61	-	-	-	139.8							
354	8.86	34.474	.39	-	-	-	130.5							
420	8.06	34.457	.32	-	-	-	120.0							
502	7.32	34.442	.27	-	-	-	110.9							
587	6.57	34.441	.27	-	-	-	101.2							

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
60.50-J	I-24	1235	37°57.0'	122°53.0'	25	360°	3	missing	slight	11.85a)	32.940	293a)
60.55-J	24	1545	37°47.5'	123°15.0'	60	350°	4	partly cloudy	rough	11.87	32.854	300
60.65-J	24	2315	37°26.0'	124°05.0'	2000+	350°	3	cloudy	moderate	11.72	32.890	294
63.50-J	24	0805	37°23.5'	122°28.0'	15	330°	3	missing	rough	11.84	33.458	255
67.48-J	23	0805	36°53.0'	121°56.0'	19	330°	8	missing	slight	12.06	33.409	262
70.51-J	28	0710	36°10.5'	121°46.0'	265	330°	3	clear	very rough	12.97	33.421	278
70.65-J	28	1520	35°43.0'	122°44.0'	2000	120°	3	clear	very rough	12.34	33.275	277
73.50-J	II-2	0030	35°37.0'	121°17.0'	57	290°	4	partly cloudy	rough	13.28	33.372	288
77.48-J	1	0555	35°08.5'	120°43.5'	17	calm		partly cloudy	slight	13.26	33.356	288
80.51-J	2	0820	34°26.0'	120°32.5'	90	340°	2	clear	rough	13.74	33.396	294
80.65-J	2	2000	33°59.0'	121°30.0'	1500+	110°	2	cloudy	very rough	12.94	33.340	283
83.40-J	5	0330	34°14.0'	119°22.0'	12	calm		missing	missing	14.03	33.389	301
83.65-J	4	0945	33°24.0'	121°06.0'	1950	140°	3	cloudy	rough	13.36	33.361	290
87.33-J	5	0823	33°54.0'	118°29.5'	28	260°	1	clear	moderate	14.04	33.372	303
93.27-J	I-22	0030	32°56.0'	117°19.0'	70	290°	2	clear	slight	14.30	33.418	304
93.35-J	15	1733	32°40.0'	117°51.5'	250	040°	2	light fog	moderate	14.75	33.396	315
93.45-J	15	1140	32°20.0'	118°32.0'	930	330°	3	clear	very rough	14.94	33.397	319

a) Alternate value: 12.20°C; 299 cl/ton.

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Wind Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
93.55-J	I-15	0452	32°00.0'	119°13.0'	-	330°	4	clear	rough	14.23	33.300	311
93.65-J	14	2220	31°40.0'	119°53.0'	2100	330°	4	clear	very rough	14.80	33.270	325
97.29-J	12	1610	32°17.5'	117°05.0'	27	280°	1	clear	moderate	14.36	33.395	307
97.30-J	12	1700	32°16.0'	117°07.0'	32	300°	1	clear	moderate	14.32	33.404	305
97.32-J	12	1820	32°12.0'	117°15.5'	750	300°	4	clear	moderate	14.58	33.260	321
97.45-J	13	0300	31°40.5'	118°08.5'	-	010°	3	clear	missing	15.13	33.376	324
97.55-J	13	0835	31°25.0'	118°50.0'	600	010°	3	clear	missing	14.50a)	33.286	318a)
97.65-J	13	1435	31°05.0'	119°31.0'	1950	330°	3	clear	missing	15.00	33.315	326
100.29-G	20	0840	31°42.0'	116°43.5'	55	160°	3	missing	missing	15.04	33.433	318
100.45-G	20	1925	31°11.5'	117°46.0'	875	340°	4	partly cloudy	very rough	15.15	33.315	329
100.56-G	21	0105	30°52.5'	118°32.0'	1145	340°	6	partly cloudy	very rough	14.7	-	-
100.65-G	21	0705	30°32.0'	119°08.5'	2100	330°	5	missing	very rough	15.43	33.426	326
103.29-G	23	1106	31°07.5'	116°21.0'	-	-	-	missing	missing	15.04	33.595	306
103.30-G	23	1014	31°06.0'	116°24.5'	33	360°	2	partly cloudy	slight	15.24	33.574	312
103.35-G	23	0730	30°55.5'	116°45.5'	1055	300°	3	partly cloudy	moderate	14.96	33.430	316
103.40-G	23	0515	30°46.0'	117°04.5'	1070	330°	4	partly cloudy	moderate	15.20	33.336	328
103.45-G	23	0250	30°36.0'	117°24.0'	1050	300°	3	partly cloudy	moderate	15.54	33.442	327

a) Alternate value: 14.01°C; 308 cl/ton.

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
103.50-G	I-23	0010	30°27.0'	117°45.0'	1500	320°	3	partly cloudy	moderate	15.40	33.362	331
103.55-G	22	2130	30°16.0'	118°05.0'	1290	300°	3	partly cloudy	moderate	15.48	33.385	331
103.60-G	22	1910	30°06.5'	118°25.5'	1860	300°	2	partly cloudy	moderate	14.72	33.331	319
103.65-G	22	1630	29°58.0'	118°45.5'	1900	300°	2	partly cloudy	moderate	16.06	33.538	332
103.68-G	22	1450	29°51.0'	118°59.0'	1925	300°	4	cloudy	moderate	15.47	33.407	328
103.80-G	22	1040	29°26.5'	119°43.0'	2100	280°	3	clear	slight	16.06	33.582	328
107.31-G	23	1447	30°28.0'	116°07.0'	25	040°	3	partly cloudy	slight	15.84	33.749	312
107.32-G	23	1600	30°25.5'	116°11.0'	255	340°	3	partly cloudy	rough	16.12	33.775	316
107.35-G	23	1735	30°21.5'	116°22.5'	950	330°	4	partly cloudy	rough	15.51	33.628	314
107.40-G	23	2000	30°11.0'	116°42.0'	1450	330°	5	partly cloudy	moderate	15.00	33.373	322
107.45-G	23	2227	30°01.5'	117°01.5'	1050	020°	5	cloudy	rough	15.38	33.361	330
107.50-G	24	0037	29°51.5'	117°20.5'	1425	350°	5	cloudy	very rough	15.56	33.360	334
107.54-G	24	0320	29°44.0'	117°41.5'	1700	320°	4	cloudy	rough	15.91	33.425	337
107.60-G	24	0557	29°30.5'	118°00.5'	2000	300°	4	cloudy	rough	15.86	33.475	332
107.65-G	24	0837	29°21.5'	118°21.0'	1750	320°	5	clear	rough	15.84	33.487	331
107.70-G	24	1130	29°11.0'	118°41.0'	1480	330°	4	missing	rough	15.90	33.445	335
107.80-G	24	1542	28°51.5'	119°20.0'	2000	350°	4	overcast	very rough	16.13	33.539	333
110.32-G	26	0445	29°52.0'	115°48.0'	11	010°	1	partly cloudy	moderate	15.60	33.799	303
110.45-G	25	2100	29°27.0'	116°38.0'	2350	020°	2	clear	rough	15.00	33.427	318

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Wind Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
110.55-G	I-25	1542	29°06.5'	117°19.0'	1950	010°	2	partly cloudy	moderate	15.42	33.353	332
110.65-G	25	1000	28°46.0'	117°59.0'	1900	310°	2	overcast	very rough	15.89	33.453	334
113.29-G	26	0945	29°24.0'	115°13.0'	-	-	-	missing	missing	16.15	33.938	304
113.30-G	26	1030	29°22.0'	115°18.0'	32	030°	4	clear	moderate	16.01	33.862	307
113.35-G	26	1240	29°11.5'	115°38.5'	650	020°	3	clear	moderate	15.63	33.631	316
113.40-G	26	1505	29°02.0'	115°57.0'	1030	060°	3	partly cloudy	moderate	15.47	33.580	316
113.45-G	26	1710	28°54.0'	116°19.0'	1090	080°	4	clear	moderate	16.38	33.704	326
113.50-G	26	1935	28°41.5'	116°36.5'	1900	200°	3	partly cloudy	moderate	16.26	33.666	327
113.55-G	26	2210	28°32.0'	116°56.0'	1875	200°	4	partly cloudy	moderate	16.40	33.685	328
113.60-G	27	0030	28°24.0'	117°15.5'	2000	180°	4	partly cloudy	moderate	16.60	33.756	328
113.65-G	27	0315	28°12.0'	117°35.0'	2090	180°	5	overcast	moderate	16.56	33.739	328
113.70-G	27	0558	28°02.0'	117°55.0'	1950	230°	4	overcast	rough	17.04	33.842	331
113.80-G	27	1110	27°42.0'	118°33.5'	2110	300°	6	missing	rough	15.75	33.428	333
117.25-G	29	0310	28°58.0'	114°37.0'	30	310°	3	clear	high	16.44	33.951	310
117.26-G	29	0225	28°56.0'	114°41.5'	41	320°	4	clear	high	17.07	34.115	312
117.30-G	29	0030	28°48.0'	114°57.0'	55	290°	4	clear	high	17.20	34.110	316
117.35-G	28	2218	28°38.0'	115°16.0'	110	350°	3	clear	high	16.28	33.843	315
117.40-G	28	1030	28°28.0'	115°35.5'	540	270°	4	clear	high	15.50	33.419	329
117.45-G	28	0805	28°18.0'	115°56.0'	1880	270°	4	clear	high	16.13	33.706	321

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Wind Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
117.50-G	I-28	0530	28°08.0'	116°15.0'	2300	300°	4	partly cloudy	high	16.18	33.680	324
117.55-G	28	0250	27°58.0'	116°34.5'	2400	280°	5	cloudy	high	16.22	33.767	318
117.60-G	28	0025	27°47.5'	116°53.5'	1900	280°	4	cloudy	high	16.80	33.774	331
117.65-G	27	2153	27°37.5'	117°13.0'	2150	280°	5	partly cloudy	high	17.03	33.925	325
117.70-G	27	1930	27°28.5'	117°32.5'	2000	290°	5	partly cloudy	high	16.92	33.785	333
117.80-G	27	1430	27°05.5'	118°10.5'	2400	300°	6	cloudy	high	16.5	33.736	327
120.24-G	29	0720	28°25.0'	114°10.5'	18	300°	3	clear	slight	16.46	34.022	305
120.25-G	29	0805	28°22.5'	114°15.0'	27	300°	3	clear	slight	16.58	34.016	308
120.30-G	29	1010	28°13.0'	114°34.0'	53	220°	4	clear	slight	16.70	34.020	311
120.35-G	29	1425	28°03.0'	114°54.0'	45	300°	2	partly cloudy	moderate	16.85	34.042	313
120.40-G	29	1825	27°56.5'	115°14.0'	24	020°	2	partly cloudy	moderate	17.04	34.129	310
120.55-G	30	0222	27°23.0'	116°12.0'	2000	270°	1	partly cloudy	moderate	16.22	33.635	328
120.65-G	30	0735	27°03.0'	116°50.5'	2150	240°	2	overcast	high	17.66	34.166	322
123.36-G	31	2325	27°26.0'	114°36.0'	27	310°	5	partly cloudy	rough	17.60	34.233	316
123.37-G	31	2245	27°24.0'	114°40.0'	38	290°	4	partly cloudy	very rough	17.62	34.220	317
123.40-G	31	2100	27°18.0'	114°52.0'	287	330°	6	partly cloudy	very rough	18.40	34.398	322
123.45-G	31	1830	27°08.0'	115°11.5'	2265	360°	4	cloudy	high	18.33	34.375	322
123.50-G	31	1612	26°58.0'	115°31.0'	1800	320°	4	cloudy	high	17.76	34.214	321
123.55-G	31	1315	26°42.5'	115°49.0'	2000	320°	4	partly cloudy	high	17.03	34.057	316

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
123.60-G	I-31	1050	26°35.0'	116°08.0'	2100	300°	4	partly cloudy	high	16.72	33.949	316
123.65-G	31	0830	26°26.5'	116°27.0'	2170	320°	4	partly cloudy	high	16.80	33.873	324
123.70-G	31	0555	26°17.0'	116°46.5'	2120	350°	5	partly cloudy	high	16.93	33.871	327
123.80-G	31	0150	26°00.0'	117°25.0'	2160	330°	3	overcast	high	16.58	33.691	332
127.33-G	II-1	1525	26°57.5'	114°02.0'	35	080°	4	partly cloudy	moderate	18.07	34.379	316
127.34-G	1	1615	26°55.0'	114°06.5'	44	010°	3	partly cloudy	rough	18.51	34.464	320
127.40-G	1	1845	26°43.5'	114°29.0'	1600	350°	4	partly cloudy	very rough	18.47	34.400	324
127.45-G	1	2110	26°33.0'	114°48.5'	1825	340°	4	partly cloudy	high	18.48	34.424	322
127.50-G	1	2340	26°23.0'	115°08.0'	2100	330°	5	partly cloudy	high	17.62	34.192	319
127.55-G	2	0210	26°12.5'	115°29.0'	2050	330°	4	partly cloudy	high	17.39	34.124	318
127.60-G	2	0425	26°03.5'	115°46.5'	2080	320°	4	partly cloudy	high	16.82	33.941	320
127.65-G	2	0651	25°53.0'	116°06.0'	2020	320°	4	partly cloudy	high	17.31	34.020	325
127.70-G	2	0910	25°44.0'	116°24.5'	2125	350°	4	cloudy	high	17.43	34.088	323
127.75-G	2	1200	25°32.5'	116°44.0'	2125	360°	4	cloudy	very rough	16.82	33.771	332
127.80-G	2	1434	25°22.0'	117°04.5'	2110	360°	5	cloudy	very rough	17.29	33.843	337
130.28-G	4	0045	26°33.0'	113°21.0'	30	240°	3	clear	slight	18.34	34.432	318
130.35-G	4	0430	26°19.0'	113°48.0'	320	320°	4	clear	slight	19.04	34.450	334
130.45-G	4	0948	25°58.5'	114°27.0'	1950	340°	3	clear	moderate	18.07	34.210	328
130.55-G	4	1520	25°39.0'	115°04.0'	2070	030°	3	clear	moderate	17.61	34.017	332

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Wind Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
133.23-G	II-6	0515	26°08.5'	112°40.0'	41	350°	1	partly cloudy	moderate	18.92	34.505	327
133.25-G	6	0355	26°04.5'	112°48.0'	47	310°	3	partly cloudy	moderate	19.16	34.474	335
133.30-G	6	0135	25°54.5'	113°07.5'	113	250°	3	partly cloudy	rough	18.84	34.448	329
133.35-G	5	2330	25°44.5'	113°26.5'	435	240°	2	partly cloudy	very rough	19.54	34.512	341
133.40-G	5	2110	25°34.5'	113°45.0'	1500	280°	3	partly cloudy	very rough	19.06	34.373	340
133.45-G	5	1850	25°25.0'	114°04.5'	1800	320°	2	partly cloudy	very rough	18.82	34.406	332
133.50-G	5	1610	25°14.5'	114°24.0'	1790	290°	2	partly cloudy	rough	18.12	34.147	334
133.55-G	5	1400	25°03.5'	114°43.0'	2025	360°	2	partly cloudy	rough	18.38	34.163	339
133.60-G	5	1140	24°54.5'	115°02.0'	2160	360°	4	clear	rough	18.38	34.121	342
137.22-G	6	0930	25°36.0'	112°15.0'	30	320°	2	cloudy	moderate	19.40	34.521	337
137.35-G	6	1550	25°10.0'	113°04.5'	800	240°	3	cloudy	rough	20.04	34.525	354
137.45-G	6	2100	24°49.0'	113°42.0'	1950	220°	3	overcast	very rough	19.13	34.294	348
137.55-G	7	0207	24°32.5'	114°21.0'	1920	280°	4	overcast	very rough	18.32	34.123	340

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