UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6607
8-29 July

CalCOFI Cruise 6608
5-25 August

Special Cruise 6608
27 August - 1 September

and

CalCOFI Cruise 6609
7-24 September

SIO Reference 68-21

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CalCOFI Cruise 6607
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Sponsored by

Marine Research Committee

SIO Reference 68-21

Approved for distribution:

W. A. Nierenberg

W. A. Nierenberg, Director

CONTENTS

INTRODUCTION

The data in this report were collected on Cruises 6607, 6608 and 6609 of the California Cooperative Fisheries Investigations (CalCOFI) program by the RV David Starr Jordan of the Bureau of Commercial Fisheries and the RV Alexander Agassiz of the Scripps Institution of Oceanography. Data for Special Cruise 6608 by the RV Alexander Agassiz are also included in this report. 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 6507 and 6509, both of which appear in Scripps Institution report, SIO Ref. 67-17; and 6601, 6602, 6604, 6605 and 6606, all of which appear in SIO Ref. 68-3.

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 6607 and Special Cruise 6608 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 6608 and 6609 only 10-meter temperature and salinity values were collected.

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.

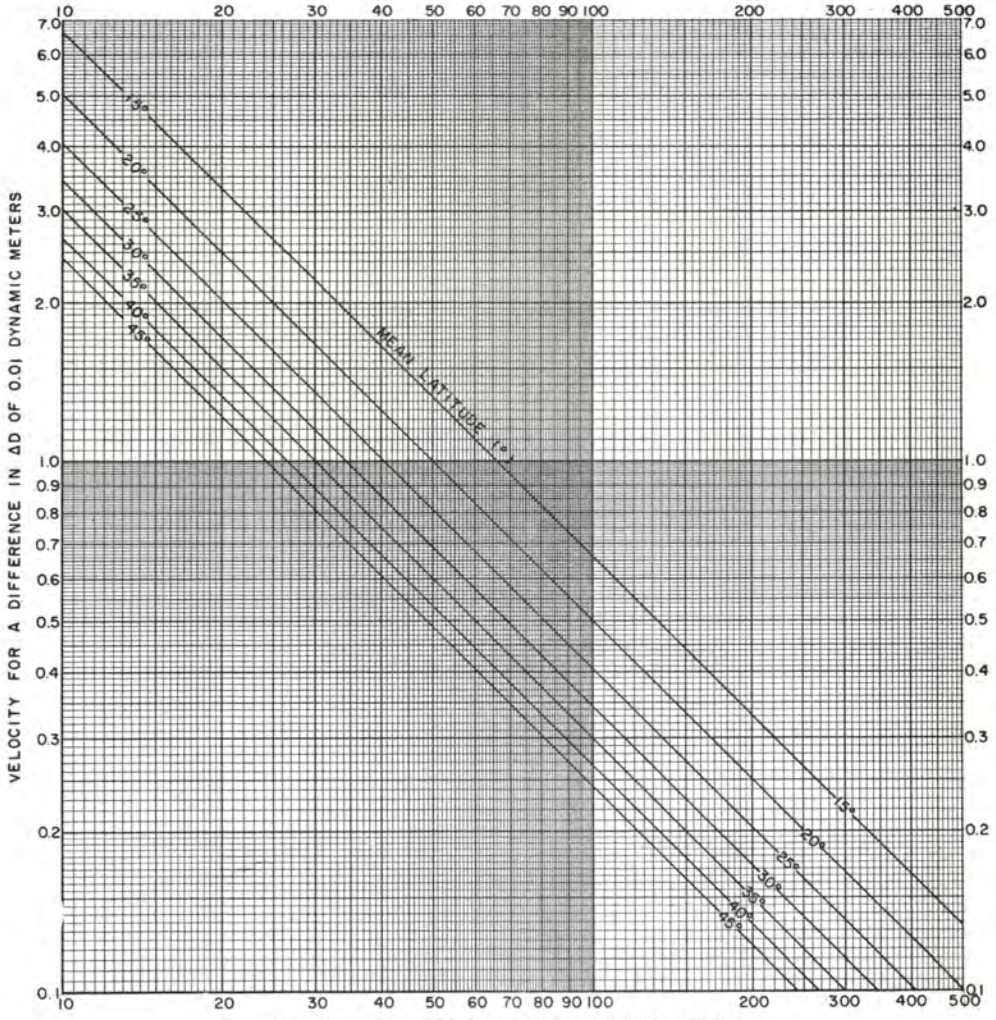
Values which are not used in interpolation because they seem to be in error without apparent reason are indicated by the following notation.

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 6607

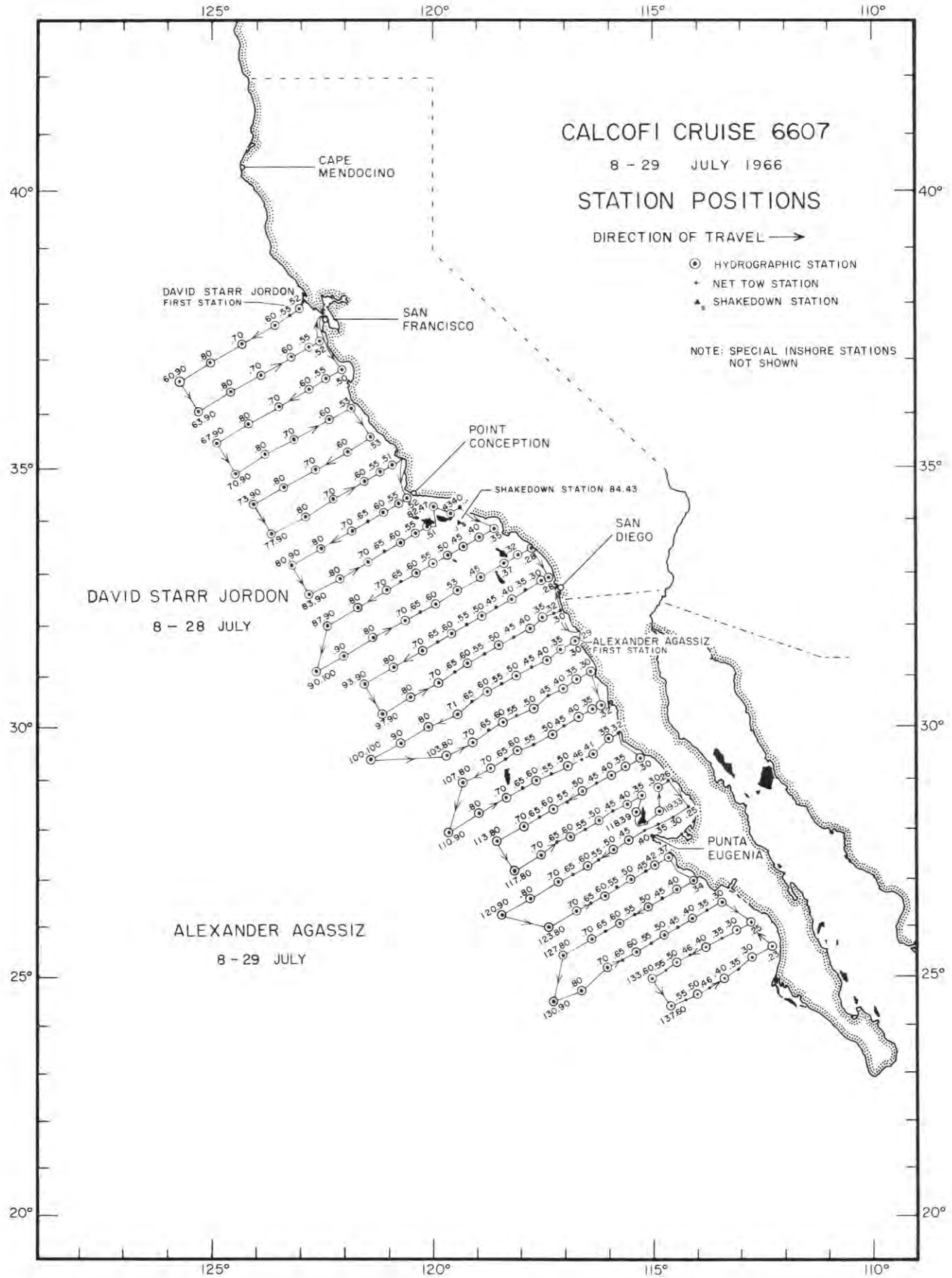

CALCOFI CRUISE 6607
8 - 29 JULY 1966
STATION POSITIONS
DIRECTION OF TRAVEL →
HYDROGRAPHIC STATION
NET TOW STATION
SHAKEDOWN STATION
NOTE: SPECIAL INSHORE STATIONS NOT SHOWN
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SHAKEDOWN STATION 84.43
SAN DIEGO
PUNTA EUGENIA
DAVID STARR JORDON FIRST STATION
ALEXANDER AGASSIZ FIRST STATION
DAVID STARR JORDON
8 - 28 JULY
ALEXANDER AGASSIZ
8 - 29 JULY
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 1

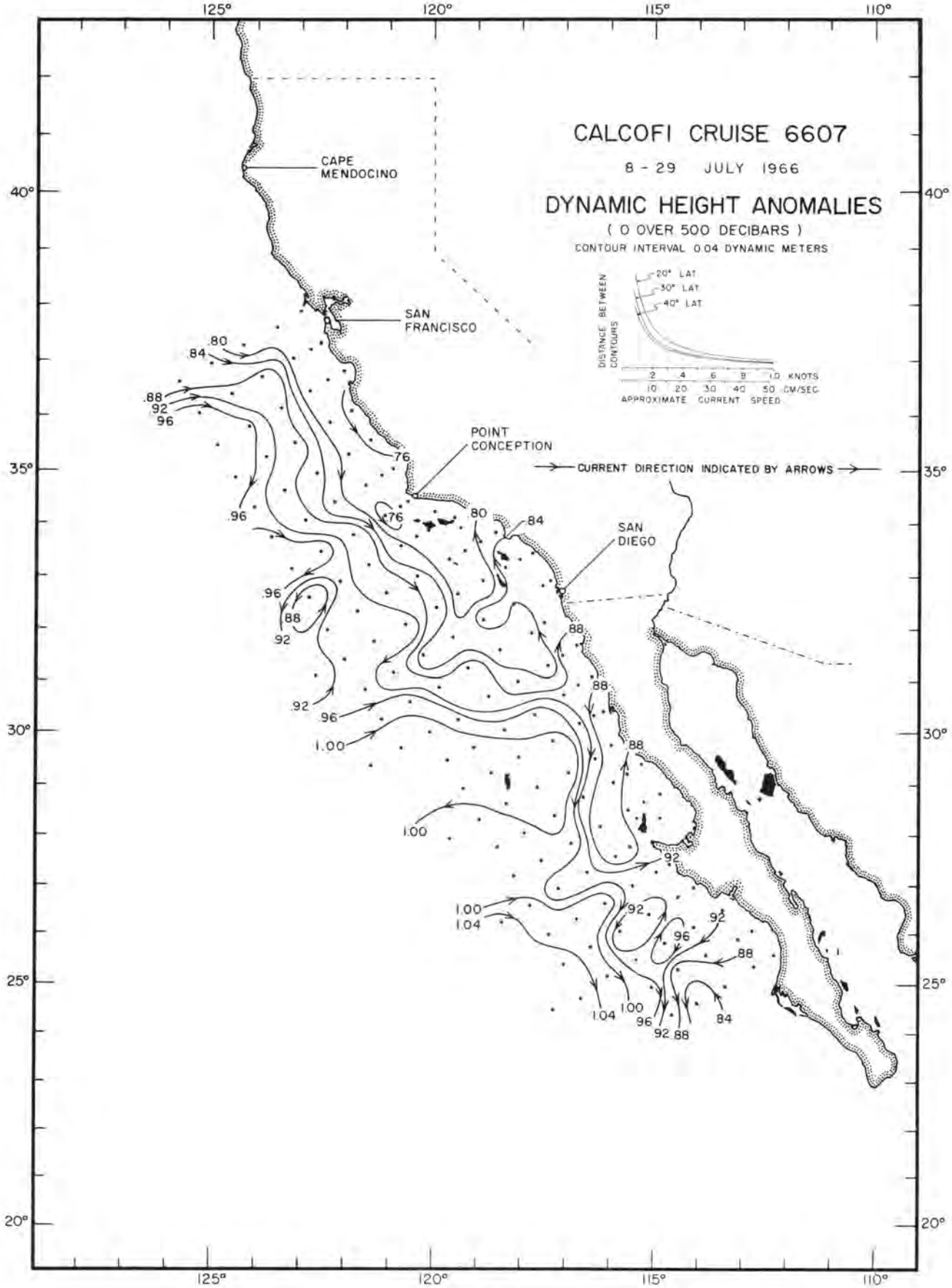

CALCOFI CRUISE 6607
8 - 29 JULY 1966
DYNAMIC HEIGHT ANOMALIES
(0 OVER 500 DECIBARS)
CONTOUR INTERVAL 0.04 DYNAMIC METERS
20° LAT
30° LAT
40° LAT
DISTANCE BETWEEN CONTOURS
.2 .4 .6 .8 1.0 KNOTS
10 20 30 40 50 CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
CURRENT DIRECTION INDICATED BY ARROWS
125°
120°
115°
110°
40°
35°
30°
25°
20°
.80
.84
.88
.92
.96
.76
1.00
1.04

FIGURE 2

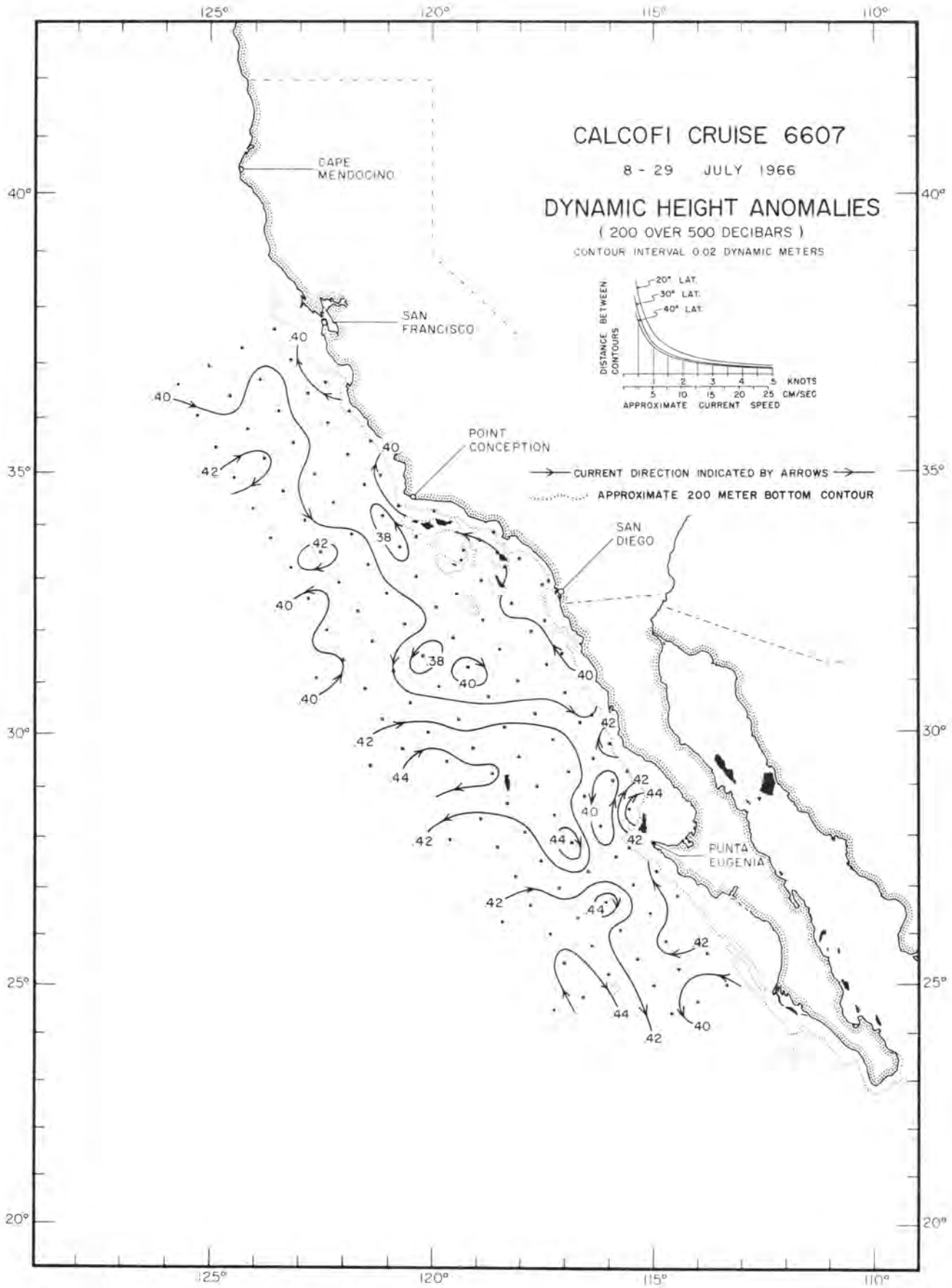

CALCOFI CRUISE 6607
8 - 29 JULY 1966
DYNAMIC HEIGHT ANOMALIES
(200 OVER 500 DECIBARS)
CONTOUR INTERVAL 0.02 DYNAMIC METERS
20° LAT.
30° LAT.
40° LAT.
DISTANCE BETWEEN CONTOURS
KNOTS
CM/SEC
APPROXIMATE CURRENT SPEED
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
CURRENT DIRECTION INDICATED BY ARROWS
APPROXIMATE 200 METER BOTTOM CONTOUR
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 3

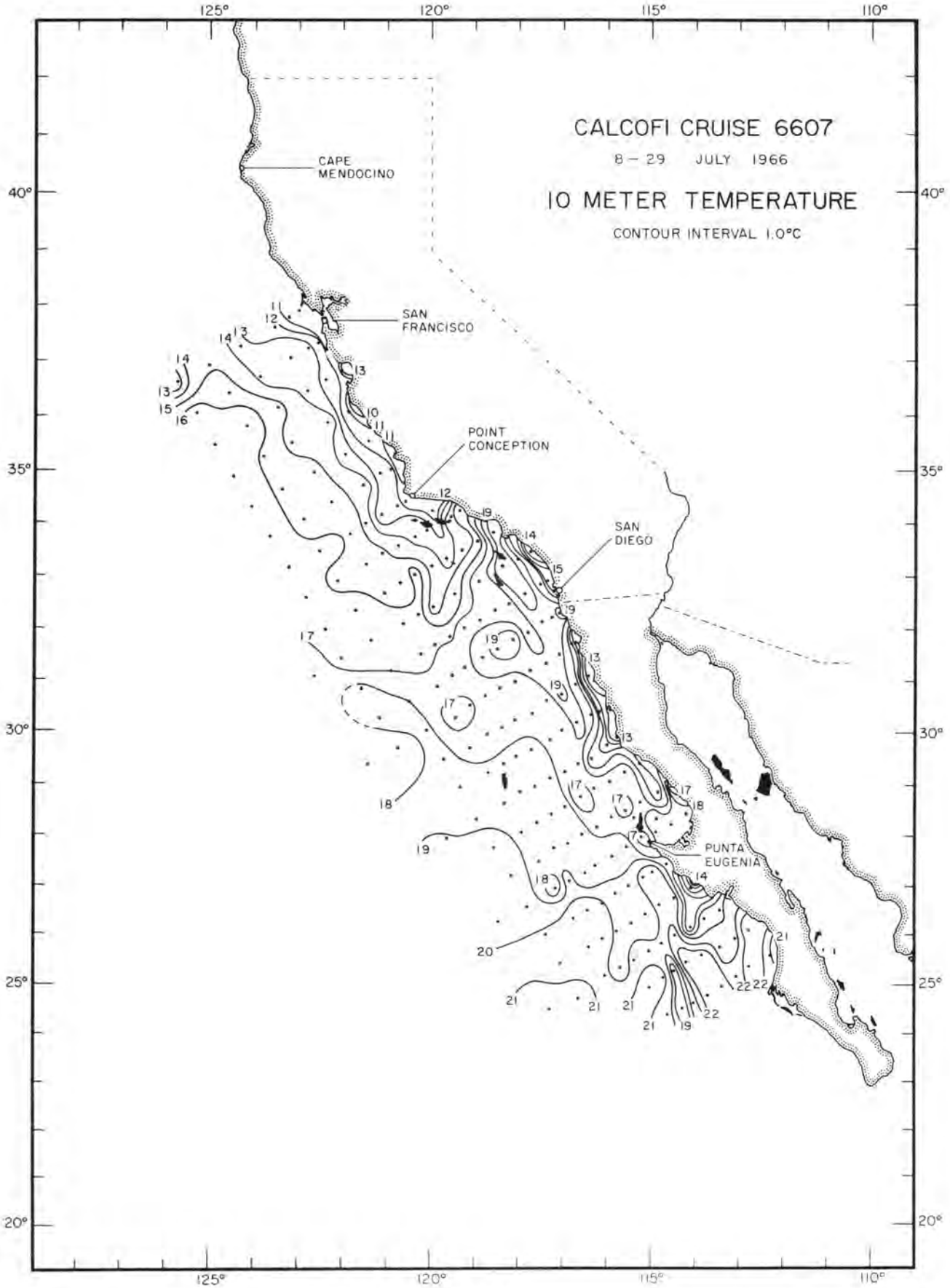

CALCOFI CRUISE 6607
8 – 29 JULY 1966
10 METER TEMPERATURE
CONTOUR INTERVAL 1.0°C
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 4

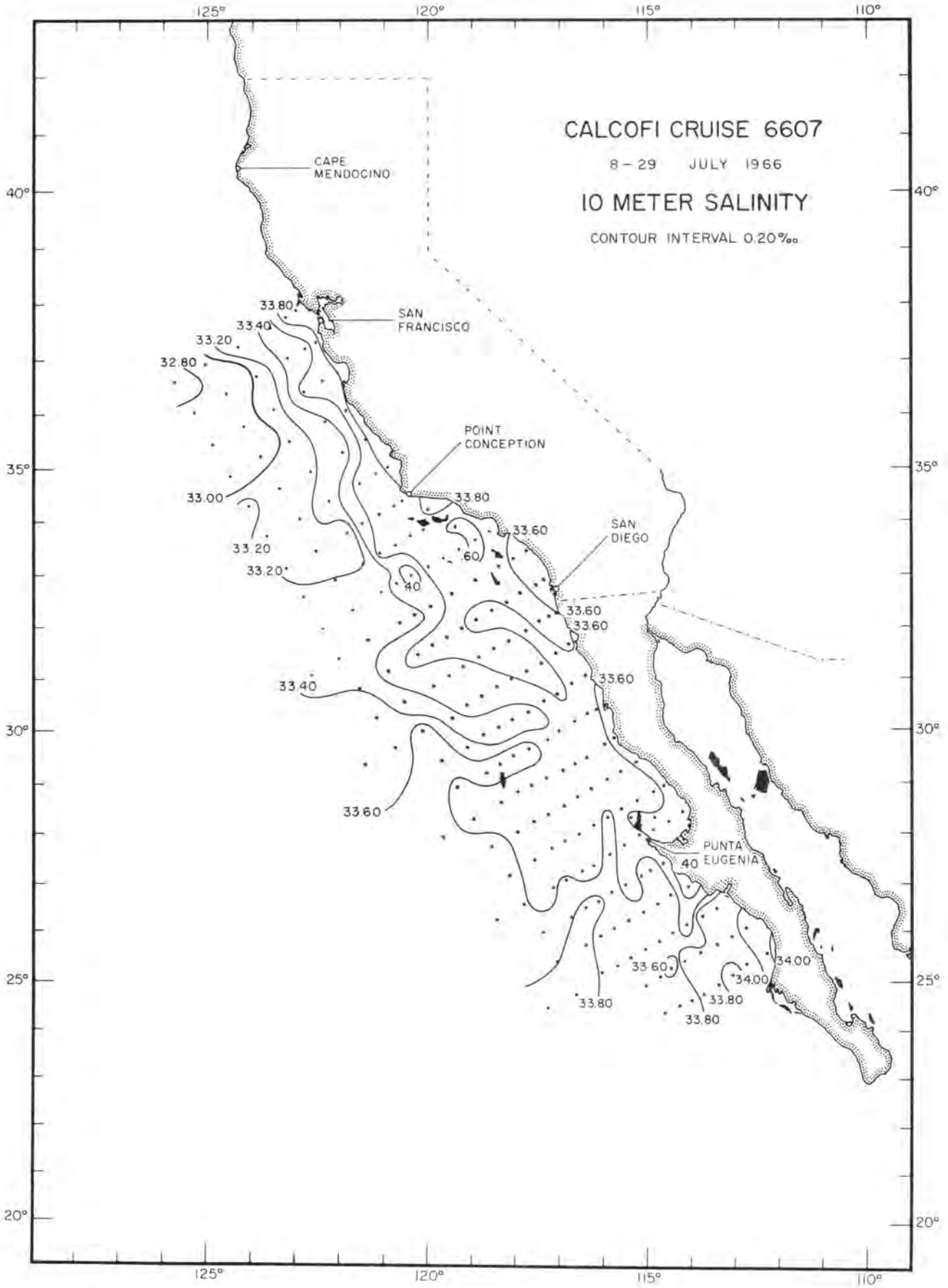

CALCOFI CRUISE 6607
8 – 29 JULY 1966
10 METER SALINITY
CONTOUR INTERVAL 0.20‰
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°
33.80
33.40
33.20
32.80
33.00
33.20
33.20
.60
.40
33.80
33.60
33.60
33.60
33.60
33.40
33.60
.40
33.60
34.00
34.00
33.80
33.80
33.80

FIGURE 5

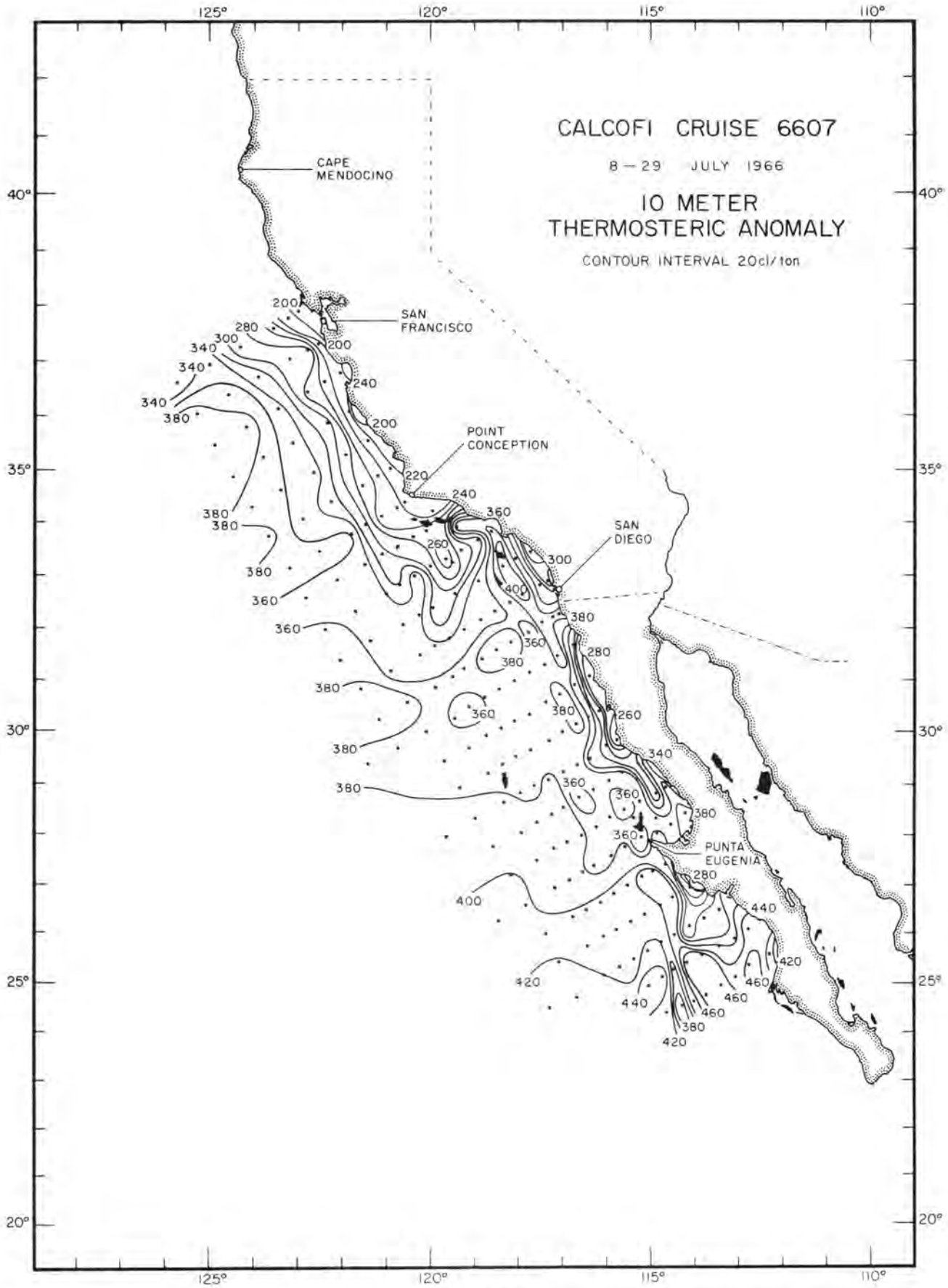

CALCOFI CRUISE 6607
8 – 29 JULY 1966
10 METER
THERMOSTERIC ANOMALY
CONTOUR INTERVAL 20cl/ton
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 6

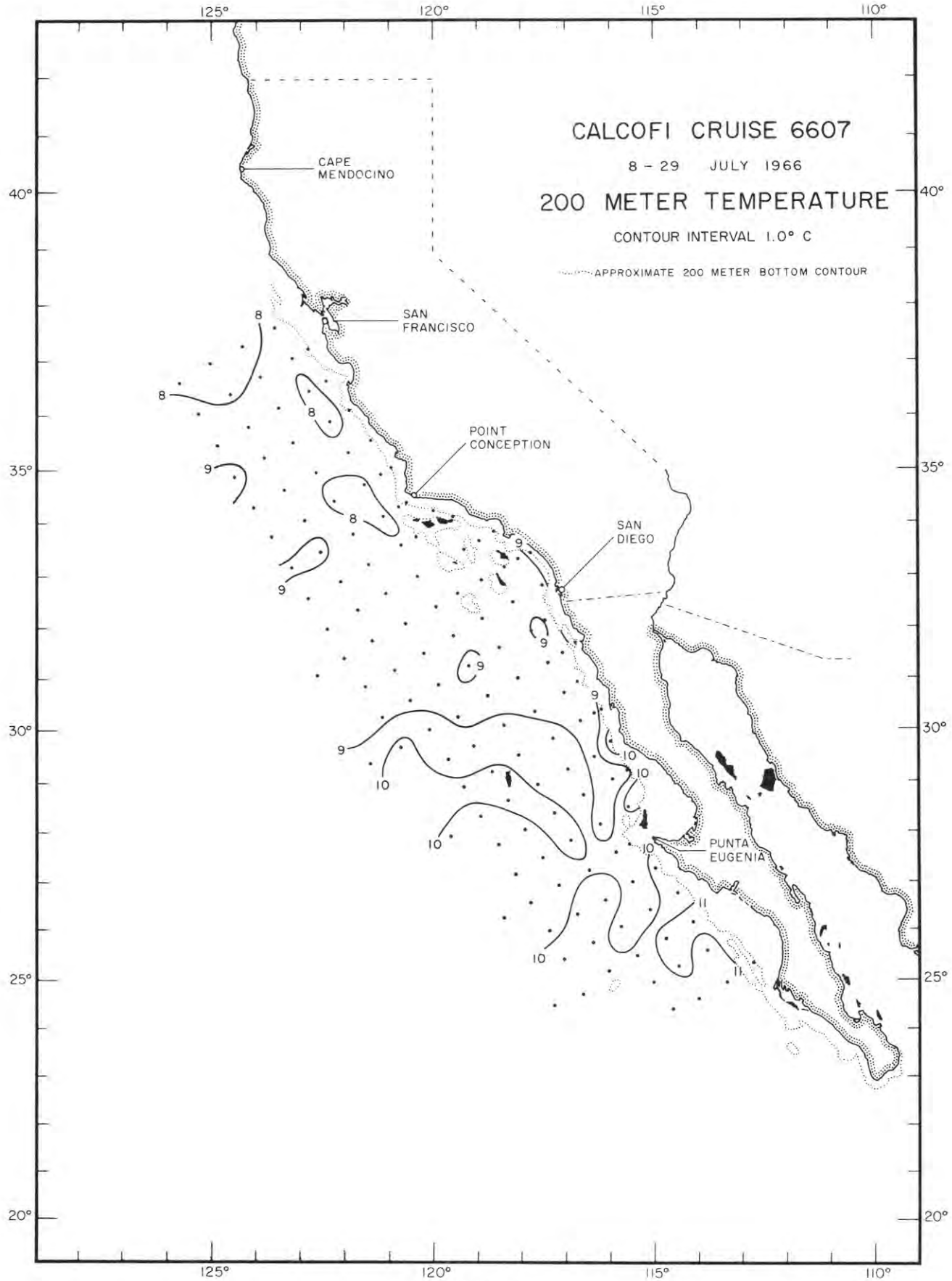

CALCOFI CRUISE 6607
8 - 29 JULY 1966
200 METER TEMPERATURE
CONTOUR INTERVAL 1.0° C
APPROXIMATE 200 METER BOTTOM CONTOUR
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 7

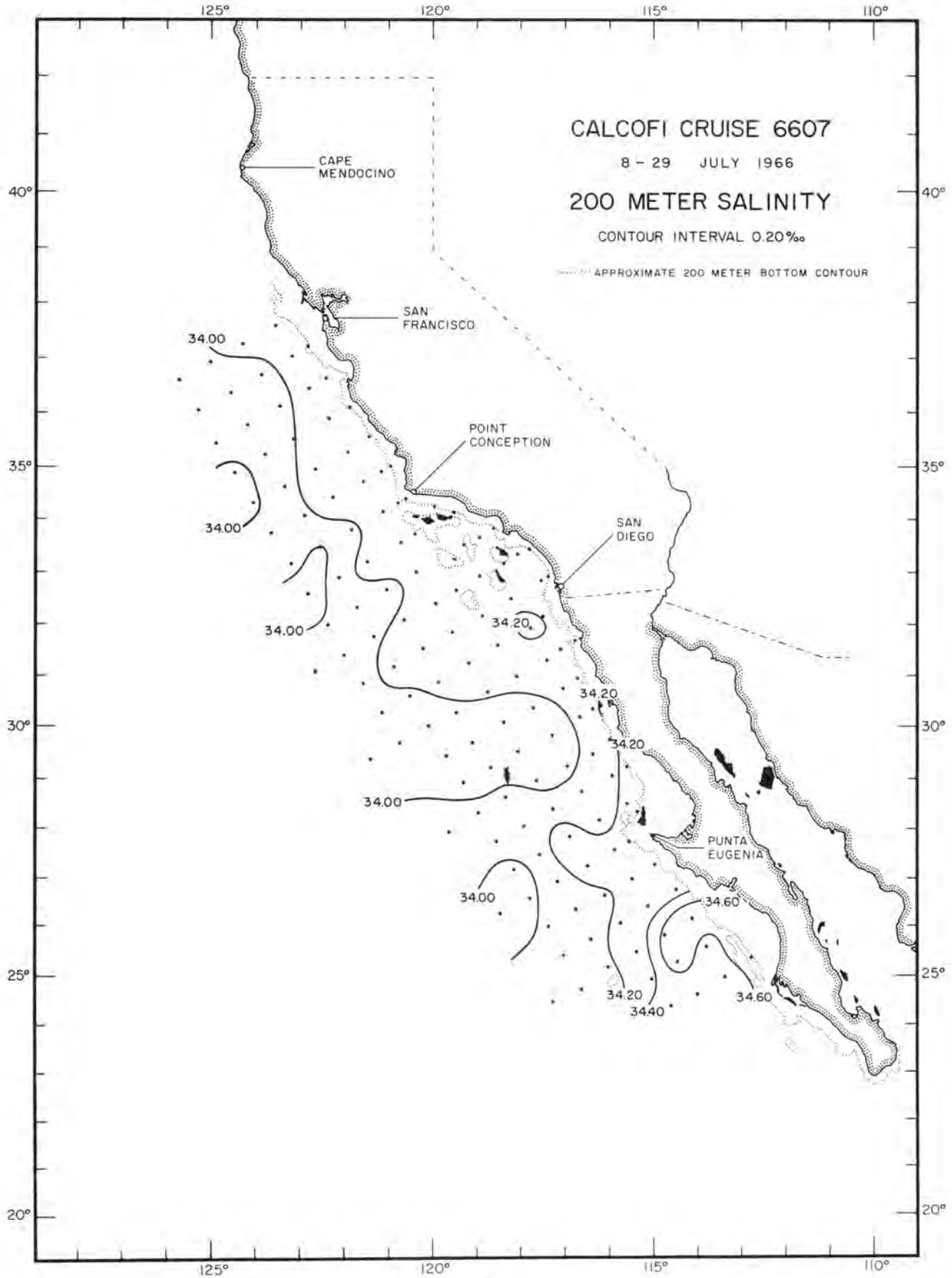

CALCOFI CRUISE 6607
8 - 29 JULY 1966
200 METER SALINITY
CONTOUR INTERVAL 0.20‰
APPROXIMATE 200 METER BOTTOM CONTOUR
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
34.00
34.00
34.00
34.00
34.20
34.20
34.20
34.60
34.20
34.40
34.60
125°
120°
115°
110°
40°
35°
30°
25°
20°

FIGURE 8

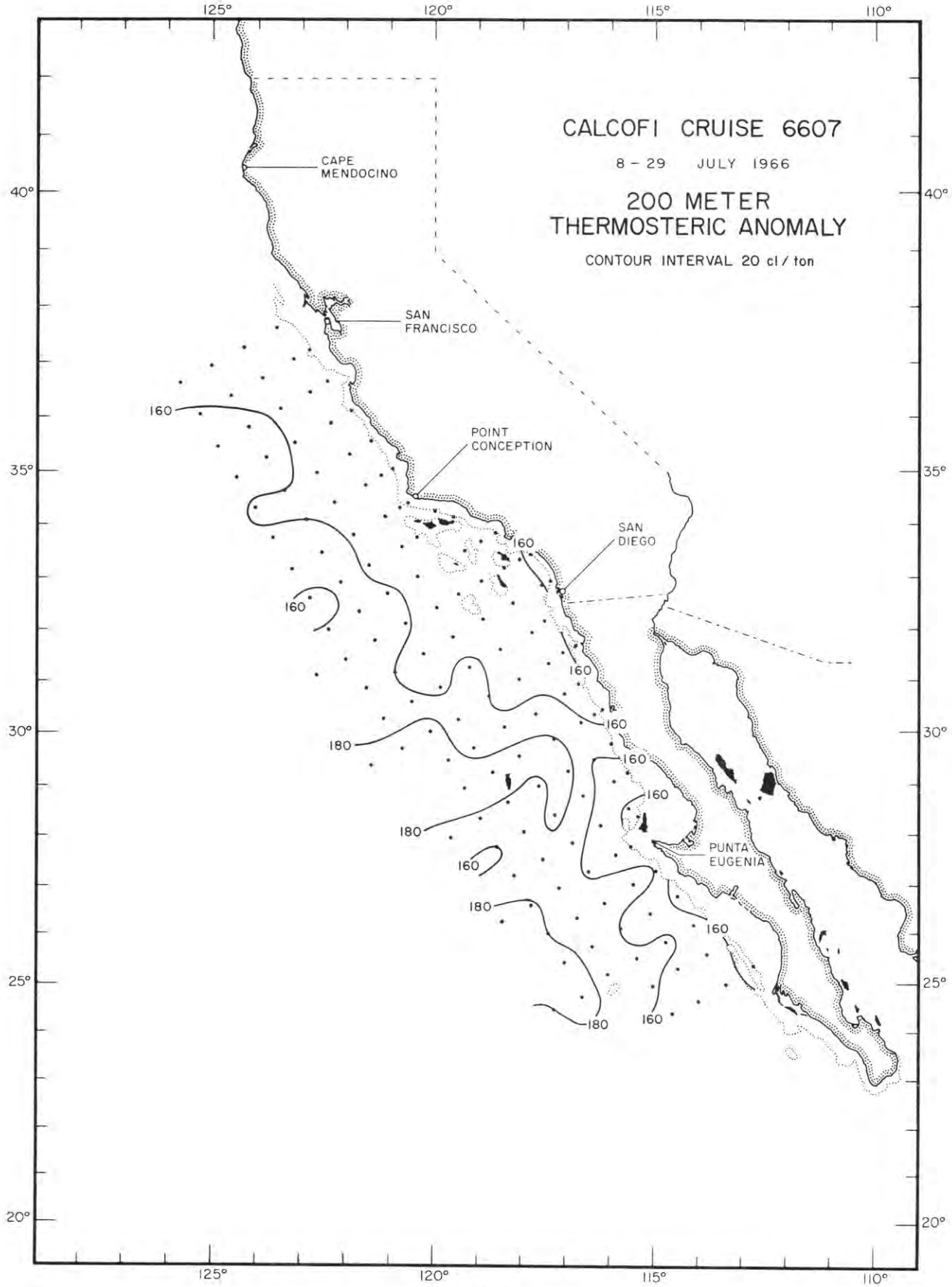

CALCOFI CRUISE 6607
8 – 29 JULY 1966
200 METER
THERMOSTERIC ANOMALY
CONTOUR INTERVAL 20 cl / ton
CAPE MENDOCINO
SAN FRANCISCO
POINT CONCEPTION
SAN DIEGO
PUNTA EUGENIA
125°
120°
115°
110°
40°
35°
30°
25°
20°
160
180

FIGURE 9

PERSONNEL
Cruise 6607

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)
Daniel, Dick A., Marine Technician
Davoll, Peter J., Senior Marine Technician
Graham, Jery B., Electronics Technician
Hester, Arthur W., Senior Marine Technician
Kimura, Makoto, Fishery Biologist (General), Bureau of Commercial Fisheries
Mauck, William W., Marine Technician
Robbins, James H., Jr., Laboratory Assistant

RV David Starr Jordan

Counts, Robert C., Fishery Biologist (in charge), Bureau of Commercial Fisheries
*Brennen, Robert E., Senior Marine Technician
Bryan, Walter R., Senior Marine Technician
Conway, Carol B., Senior Engineering Aid
**Drais, John H., Marine Technician
Hardy, John A., Marine Technician
Metoyer, Jack, Biological Aid, Bureau of Commercial Fisheries
Nicolson, William H., Jr., Laboratory Helper
Simmons, James, Physical Science Technician, Bureau of Commercial Fisheries
Snodgrass, Robert E., Laboratory Assistant

*Line 80 to San Diego.
**San Diego to Line 63.

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	.TT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
60.52						CALCOFI CRUISE 6607							60.52	

DAVID STARR JORDAN, JULY 9 1966, 2330 GMT, 37 54N 123 01.5W, SOUNDING 46 FM, WIND 190 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 00.

0	13.37	33.897	-	-	-	-	250.6	0	13.37	33.897		25.48	250.6	0
10	10.12	33.861	4.95	-	-	-	195.6	10	10.12	33.861	4.95	26.06	195.6	.022
20	9.82	33.909	4.67	-	-	-	187.2	20	9.82	33.909	4.67	26.15	187.2	.041
29	9.50	33.894	3.94	-	-	-	183.3	30	9.46	33.899	3.92	26.20	182.7	.060
50	9.14	33.971	3.49	-	-	-	172.0	50	9.14	33.971	3.47	26.31	172.0	.096
74	8.66	33.987	1.23	-	-	-	163.6							

60.60						CALCOFI CRUISE 6607							60.60	

DAVID STARR JORDAN, JULY 10 1966, 0425 GMT, 37 37N 123 37W, SOUNDING 1800 FM, WIND 210 FORCE 1, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 05.

0	14.22	33.463	6.52	-	-	-	299.1	0	14.22	33.463	6.52	24.97	299.1	0
10	12.37	33.564	6.73	-	-	-	256.3	10	12.37	33.564	6.73	25.42	256.3	.028
20	11.75K	33.61 G	-	-	-	-	241.7	20	11.75	33.610	6.65	25.58	241.7	.053
30	11.44K	33.62 G	-	-	-	-	235.6	30	11.44	33.620	6.11	25.64	235.6	.077
31	11.40	33.620	6.03	-	-	-	234.9	50	10.46	33.674	5.07	25.86	215.0	.122
38	10.45	33.599	5.24	-	-	-	220.3	75	10.01	33.720	4.67	25.97	204.2	.175
49	10.48	33.672	5.10	-	-	-	215.4	100	9.60	33.833	3.54	26.13	189.4	.224
64	10.18	33.685	4.71	-	-	-	209.6	125	8.82	33.899	2.73	26.30	172.6	.270
75	10.01K	33.72 G	-	-	-	-	204.2	150	8.55	33.979	2.41	26.41	162.6	.313
78	10.12	33.771	4.63	-	-	-	202.2	200	8.13	34.059	1.75	26.54	150.6	.392
99	9.64	33.831	3.54	-	-	-	190.1	250	7.66	34.057	1.81	26.61	144.1	.468
124	8.84	33.895	2.75	-	-	-	173.1	300	7.24	34.094	1.44	26.69	135.7	.540
143	8.62	33.961	2.51	-	-	-	165.0	400	5.65	34.100	1.31	26.91	115.6	.671
172	8.36	34.023	2.11	-	-	-	156.6	500	5.70	34.279	.51	27.04	102.7	.785
202	8.11	34.060	1.73	-	-	-	150.3							
230	7.80	34.046	1.86	-	-	-	146.9							
270	7.52	34.075	1.69	-	-	-	140.9							
327	6.92	34.106	1.23	-	-	-	130.6							
401	5.64	34.100	1.31	-	-	-	115.4							
476	5.76	34.248	.53	-	-	-	105.7							
555	5.40	34.321	.46	-	-	-	96.1							

60.70						CALCOFI CRUISE 6607							60.70	

DAVID STARR JORDAN, JULY 10 1966, 0901 GMT, 37 17N 124 21W, SOUNDING 2200 FM, WIND 320 FORCE 4, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 21.

0	14.37	33.369	6.55	-	-	-	309.0	0	14.37	33.369	6.55	24.87	309.0	0
8	13.43	33.389	6.75	-	-	-	289.0	10	13.18	33.371	6.75	25.12	285.6	.030
27	11.26	33.193	6.80	-	-	-	263.9	20	12.01	33.271	6.58	25.27	271.3	.058
36	10.50	33.183	5.84	-	-	-	251.9	30	10.94	33.174	6.14	25.39	259.9	.084
46	10.42	33.440	5.68	-	-	-	239.9	50	10.62	33.531	5.08	25.72	228.2	.133
57	9.94	33.666	3.40	-	-	-	207.1	75	9.37	33.836	2.74	26.17	185.6	.185
72	9.44	33.817	2.61	-	-	-	187.9	100	8.74	33.933	2.62	26.31	171.9	.230
90	9.10	33.896	2.68	-	-	-	177.0	125	8.59	34.004	2.60	26.42	161.4	.273
114	8.74	33.976	2.57	-	-	-	165.6	150	8.28	34.018	2.75	26.48	155.9	.313
132	8.50	34.017	2.63	-	-	-	159.1	200	7.70	34.044	2.36	26.59	145.8	.390
159	8.18	34.019	2.79	-	-	-	154.3	250	7.50	34.121	1.71	26.68	137.2	.462
185	7.88	34.032	2.56	-	-	-	149.1	300	7.03	34.147	1.24	26.76	129.0	.531
213	7.58	34.056	2.17	-	-	-	143.0	400	6.05	34.132	.96	26.88	117.8	.659
250	7.50	34.121	-	-	-	-	137.2	500	5.32	34.179	.64	27.01	105.8	.777
306	6.96	34.149	1.20	-	-	-	128.0							
377	6.28	34.141	1.01	-	-	-	119.9							
449	5.64	34.138	.83	-	-	-	112.5							
527	5.20	34.215	.51	-	-	-	101.8							

60.80						CALCOFI CRUISE 6607							60.80	

DAVID STARR JORDAN, JULY 10 1966, 1347 GMT, 37 56.5N 125 04W, SOUNDING 2300 FM, WIND DIRECTION MISSING FORCE 1, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 00.

0	15.66	32.891	6.04	-	-	-	370.6	0	15.66	32.891	6.04	24.22	370.6	0
11	14.85	32.907	6.19	-	-	-	352.5	10	14.92	32.904	6.18	24.40	354.2	.036
20	14.18K	32.94 G	-	-	-	-	336.6	20	14.18	32.940	6.29	24.58	336.6	.071
30	13.84K	32.95 G	-	-	-	-	329.2	30	13.84	32.950	6.33	24.66	329.2	.104
31	13.82	32.955	6.33	-	-	-	328.4	50	12.40	32.980	6.10	24.97	299.8	.167
50	12.40K	32.98 G	-	-	-	-	299.8	75	9.98	33.169	5.30	25.55	244.4	.236
60	10.60	32.984	5.82	-	-	-	268.3	100	9.40	33.454	4.59	25.87	214.3	.293
69	10.22	33.092	5.46	-	-	-	254.1	125	9.04	33.729	3.63	26.14	188.5	.344
85	9.64	33.295	5.06	-	-	-	229.8	150	8.55	33.831	3.49	26.29	173.6	.390
100	9.40	33.454	4.59	-	-	-	214.3	200	7.98	33.986	3.37	26.50	153.9	.474
115	9.20	33.544	4.01	-	-	-	197.2	250	7.13	33.980	3.16	26.62	142.8	.550
140	8.77	33.604	3.31	-	-	-	178.5	300	6.40	34.004	2.36	26.74	131.7	.620
160	8.45	33.647	3.72	-	-	-	169.5	400	5.36	34.122	1.07	26.89	117.3	.749
190	8.12	33.968	3.43	-	-	-	157.2	500	5.33	34.210	.64	27.03	104.6	.865
218	7.68	33.998	-	-	-	-	148.9	600	4.81	34.283	.37	27.14	93.5	.970
249	7.15	33.980	3.17	-	-	-	143.1							
298	6.42	34.003	2.49	-	-	-	132.0							
352	6.08	34.047	1.78	-	-	-	124.5							
436	5.84	34.177	.7	-	-	-	111.9							
520	5.21	34.242	.50	-	-	-	101.3							
606	4.90	34.265	.35	-	-	-	93.6							

	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
60.90					CALCOFI CRUISE 6607								60.90	
DAVID STARR JORDAN, JULY 10 1966, 1932 GMT, 36 37N 125 47W, SOUNDING 2400 FM, WIND 320 FORCE 2, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 07.														
1	15.06	32.691	6.61	-	-	-	372.7	0	15.06	32.691	6.61	24.20	372.7	0
11	12.64	32.644	6.20	-	-	-	328.9	10	12.80	32.643	6.22	24.63	331.9	.035
20	12.09K	32.71 G	-	-	-	-	314.1	20	12.09	32.710	6.40	24.82	314.1	.068
31	11.43	32.773	6.80	-	-	-	297.9	30	11.51	32.771	6.76	24.97	299.4	.098
41	10.03	32.696	6.84	-	-	-	280.4	50	9.23	32.700	6.50	25.30	267.7	.155
50	9.23K	32.70 G	-	-	-	-	267.7	75	9.67	33.260	5.69	25.67	232.9	.218
51	9.22	32.705	6.45	-	-	-	267.2	100	9.33	33.460	5.47	25.88	212.8	.274
64	9.82	33.153	5.04	-	-	-	243.2	125	8.91	33.661	4.37	26.10	191.6	.325
75	9.67K	33.26 G	-	-	-	-	232.9	150	8.61	33.866	3.24	26.31	171.8	.371
79	9.62	33.304	5.63	-	-	-	228.9	200	7.84	33.981	2.86	26.52	152.3	.454
98	9.43	33.446	5.52	-	-	-	215.4	250	7.19	34.011	2.40	26.64	141.2	.529
100	9.33K	33.46 G	-	-	-	-	212.8	300	6.54	34.019	2.03	26.73	132.2	.599
122	8.94	33.628	4.59	-	-	-	194.5	400	5.78	34.103	1.19	26.89	116.8	.729
141	8.78	33.825	3.29	-	-	-	177.4	500	5.13	34.127	.83	26.99	107.5	.846
173	8.14	33.915	3.11	-	-	-	161.5							
200	7.84	33.981	2.86	-	-	-	152.3							
229	7.48	34.005	2.62	-	-	-	145.6							
270	6.91	34.014	2.20	-	-	-	137.4							
328	6.24	34.029	1.89	-	-	-	127.8							
401	5.78	34.104	1.18	-	-	-	116.7							
475	5.28	34.117	.91	-	-	-	110.0							
555	4.82	34.161	.65	-	-	-	101.7							
63.52					CALCOFI CRUISE 6607								63.52	
DAVID STARR JORDAN, JULY 11 1966, 2238 GMT, 37 19N 122 36W, SOUNDING 47 FM, WIND 300 FORCE 2, WEATHER CLOUDY, SEA SLIGHT, WIRE ANGLE 02.														
1	14.02	33.729	7.04	-	-	-	275.6	0	14.02	33.729	7.04	25.22	275.6	0
10	12.18	33.759	6.89	-	-	-	238.5	10	12.18	33.759	6.89	25.61	238.5	.026
20	10.68K	33.86 G	-	-	-	-	204.9	20	10.68	33.860	5.28	25.97	204.9	.048
21	10.64	33.863	5.07	-	-	-	204.0	30	9.62	33.588	3.20	25.93	207.8	.069
30	9.62	33.588	3.20	-	-	-	207.8	50	8.96	33.945	1.51	26.32	171.2	.107
50	8.96	33.945	1.51	-	-	-	171.2	75	8.95	33.949	1.23	26.32	170.8	.150
75	8.95	33.949	1.23	-	-	-	170.8							
63.55					CALCOFI CRUISE 6607								63.55	
DAVID STARR JORDAN, JULY 11 1966, 2029 GMT, 37 13N 122 50W, SOUNDING 160 FM, WIND 280 FORCE 6, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 14.														
0	14.15	33.404	6.58	-	-	-	302.0	0	14.15	33.404	6.58	24.94	302.0	0
10	13.58	33.448	6.60	-	-	-	287.6	10	13.58	33.448	6.60	25.10	287.6	.029
29	10.09	33.381	5.33	-	-	-	230.6	20	11.70	33.398	6.05	25.42	256.4	.057
43	10.00	33.608	4.32	-	-	-	212.4	30	10.05	33.393	5.26	25.71	229.0	.081
52	10.04	33.779	3.72	-	-	-	200.4	50	10.04	33.745	3.84	25.99	202.8	.124
66	9.76	33.807	3.42	-	-	-	193.8	75	9.67	33.824	3.09	26.11	191.2	.174
80	9.64	33.833	2.92	-	-	-	190.0	100	9.43	33.872	2.83	26.19	183.8	.221
100	9.43	33.872	2.83	-	-	-	183.8	125	9.20	33.918	2.69	26.26	176.8	.267
124	9.20	33.917	2.69	-	-	-	176.9	150	9.07	33.931	2.61	26.29	174.0	.311
143	9.12	33.926	2.64	-	-	-	175.1	200	8.60	34.053	1.98	26.46	157.9	.396
176	8.84	33.969	2.4	-	-	-	167.7	250	8.03	34.000	2.07	26.50	153.6	.476
204	8.56	34.060	1.94	-	-	-	156.8							
243	8.12	34.026	1.98	-	-	-	152.9							
63.60					CALCOFI CRUISE 6607								63.60	
DAVID STARR JORDAN, JULY 11, 1966, 1723 GMT, 37 03N 123 12W, SOUNDING 1300 FM, WIND 300 FORCE 5, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 19.														
0	13.82	33.466	6.40	-	-	-	291.0	0	13.82	33.466	6.40	25.06	291.0	0
10	13.70K	33.47 G	-	-	-	-	288.3	10	13.70	33.470	6.47	25.09	288.3	.029
11	13.68	33.468	6.46	-	-	-	288.1	20	13.30	33.470	6.20	25.17	280.6	.057
20	13.30K	33.47 G	-	-	-	-	280.6	30	11.03	33.465	5.78	25.60	239.9	.084
30	11.03	33.465	5.78	-	-	-	239.9	50	10.30	33.650	4.65	25.87	214.1	.129
40	9.94	33.393	5.6	-	-	-	227.3	75	9.39	33.820	3.06	26.15	187.1	.180
50	10.30K	33.65 G	-	-	-	-	214.1	100	9.00	33.898	2.54	26.28	175.3	.225
55	10.19	33.723	4.23	-	-	-	206.9	125	8.81	33.959	2.52	26.35	167.9	.269
69	9.26	33.793	3.29	-	-	-	187.1	150	8.56	34.027	2.41	26.45	159.2	.310
75	9.39K	33.82 G	-	-	-	-	187.1	200	8.15	34.068	1.94	26.54	150.2	.389
95	9.04	33.883	2.65	-	-	-	177.0	250	7.76	34.107	1.64	26.63	141.8	.464
116	8.90	33.941	2.37	-	-	-	170.6	300	7.24	34.136	1.36	26.73	132.6	.535
134	8.71	33.978	2.66	-	-	-	165.1	400	6.57	34.182	.83	26.85	120.5	.667
153	8.53	34.035	2.34	-	-	-	158.2	500	5.98	34.236	.55	26.97	109.2	.788
183	8.30	34.046	2.08	-	-	-	154.0	600	5.43	34.278	.42	27.07	99.6	.899
218	7.99	34.092	1.81	-	-	-	146.2							
247	7.79	34.103	1.66	-	-	-	142.4							
294	7.28	34.134	1.40	-	-	-	133.3							
348	6.96	34.152	1.09	-	-	-	127.7							
431	6.34	34.208	.70	-	-	-	116.1							
514	5.90	34.242	.53	-	-	-	107.8							
598	5.44	34.277	.42	-	-	-	99.8							

	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
63.70					CALCOFI CRUISE 6607								63.70	

DAVID STARR JORDAN, JULY 11 1966, 1225 GMT, 36 42N 123 55W, SOUNDING 2100 FM, WIND 320 FORCE 3, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 17.

1	14.90	32.990	6.13	-	-	-	347.5	0	14.90	32.990	6.13	24.47	347.5	0
10	13.98	33.001	6.25	-	-	-	328.2	10	13.98	33.001	6.25	24.67	328.2	.034
20	13.98K	33.00 G	-	-	-	-	328.3	20	13.98	33.000	6.37	24.67	328.3	.067
27	13.99A	32.998	6.38	-	-	-	328.6	30	13.98	32.999	6.33	24.67	328.4	.100
38	13.92	33.006	6.18	-	-	-	326.7	50	13.78	33.032	6.17	24.73	322.0	.165
52	13.74	33.037	6.17	-	-	-	320.9	75	10.62	33.090	6.03	25.38	260.8	.238
66	13.18	33.051	6.16	-	-	-	309.1	100	9.95	33.217	5.23	25.59	240.4	.301
75	10.62K	33.09 G	-	-	-	-	260.8	125	9.24	33.565	4.16	25.98	203.7	.357
90	10.32	33.103	5.62	-	-	-	254.9	150	8.88	33.779	3.44	26.20	182.4	.406
108	9.64	33.336	4.88	-	-	-	226.8	200	8.07	33.956	3.31	26.47	157.4	.493
127	9.21	33.590	4.08	-	-	-	201.3	250	7.62	34.016	2.48	26.58	146.7	.570
146	8.95	33.749	3.55	-	-	-	185.6	300	7.12	34.064	1.85	26.69	136.4	.643
173	8.48	33.912	3.01	-	-	-	166.6	400	5.69	34.091	1.50	26.86	119.6	.776
204	8.02	33.962	3.35	-	-	-	156.3	500	5.19	34.142	.71	26.99	107.2	.895
232	7.79	33.997	2.75	-	-	-	150.4							
278	7.34	34.042	2.14	-	-	-	141.0							
330	6.78	34.084	1.54	-	-	-	130.5							
409	5.56	34.047	1.48	-	-	-	118.4							
490	5.24	34.134	.76	-	-	-	108.3							
573	4.80	34.177	.54	-	-	-	100.2							

63.80					CALCOFI CRUISE 6607								63.80	

DAVID STARR JORDAN, JULY 11 1966, 0617 GMT, 36 23N 124 36.5W, SOUNDING 2200 FM, WIND 300 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE(WIRE ANGLE 22.

1	16.04	32.827	6.08	-	-	-	383.3	0	16.04	32.827	6.08	24.09	383.3	0
10	15.58	32.858	6.10	-	-	-	371.3	10	15.58	32.858	6.10	24.22	371.3	.038
20	14.34K	32.95 G	-	-	-	-	339.1	20	14.34	32.950	6.26	24.55	339.1	.073
28	14.11	32.965	6.38	-	-	-	333.4	30	14.07	32.970	6.38	24.63	332.3	.107
30	14.07K	32.97 G	-	-	-	-	332.3	50	12.80	32.866	6.53	24.80	315.5	.172
38	13.72	32.969	6.38	-	-	-	325.5	75	9.72	32.880	5.73	25.37	261.8	.244
51	12.46	32.840	6.54	-	-	-	311.7	100	9.47	33.366	4.63	25.79	222.0	.305
64	10.64	32.840	6.17	-	-	-	279.6	125	8.94	33.658	3.75	26.10	192.3	.358
75	9.72K	32.88 G	-	-	-	-	261.8	150	8.60	33.843	3.30	26.30	173.4	.404
91	9.72	33.225	5.03	-	-	-	236.3	200	7.96	33.953	3.20	26.48	156.0	.488
110	9.16	33.494	4.22	-	-	-	207.7	250	7.14	33.990	2.54	26.63	142.1	.564
129	8.90	33.695	3.65	-	-	-	188.9	300	6.59	34.002	2.22	26.71	134.1	.635
147	8.62	33.829	3.30	-	-	-	174.8	400	6.01	34.123	1.05	26.88	118.0	.766
174	8.49	33.916	3.29	-	-	-	166.4	500	4.91	34.117	.85	27.01	106.0	.883
204	7.86	33.956	3.17	-	-	-	154.5							
234	7.34	33.983	2.68	-	-	-	145.4							
281	6.81	33.999	2.35	-	-	-	137.2							
331	6.27	34.015	1.96	-	-	-	129.2							
412	5.96	34.141	.91	-	-	-	116.1							
490	4.92	34.111	.88	-	-	-	106.5							
571	4.88	34.220	.43	-	-	-	97.9							

63.90					CALCOFI CRUISE 6607								63.90	

DAVID STARR JORDAN, JULY 11 1966, 0110 GMT, 36 03N 125 20W, SOUNDING 2450 FM, WIND 250 FORCE 9, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 10.

1	17.09	32.868	5.82	-	-	-	403.4	0	17.09	32.868	5.82	23.88	403.4	0
10	16.29K	32.87 G	-	-	-	-	385.6	10	16.29	32.870	5.89	24.07	385.6	.039
12	16.24	32.869	5.90	-	-	-	384.6	20	16.12	32.860	5.93	24.10	382.7	.078
20	16.12K	32.86 G	-	-	-	-	382.7	30	15.94	32.850	5.99	24.13	379.5	.116
30	15.94K	32.85 G	-	-	-	-	379.5	50	14.47	33.023	6.15	24.58	336.4	.188
31	15.88	32.843	6.00	-	-	-	378.7	75	12.47	32.943	6.45	24.92	303.9	.268
40	14.60	32.970	6.16	-	-	-	342.8	100	11.11	32.923	6.17	25.16	281.2	.342
51	14.45	33.024	6.15	-	-	-	335.9	125	9.77	33.085	4.79	25.52	247.4	.409
63	13.72	33.013	6.58	-	-	-	322.2	150	9.00	33.463	4.30	25.94	207.5	.466
79	12.06	32.919	6.36	-	-	-	298.2	200	8.47	33.938	3.08	26.39	164.5	.561
99	11.16	32.921	6.22	-	-	-	282.3	250	8.00	34.016	2.38	26.52	152.0	.642
124	9.82	33.072	4.84	-	-	-	249.2	300	7.32	34.042	1.73	26.64	140.7	.717
143	9.02	33.355	4.20	-	-	-	215.9	400	6.14	34.080	1.41	26.83	122.8	.854
173	8.92	33.767	4.55	-	-	-	183.8	500	5.36	34.160	.71	26.99	107.7	.975
200	8.47	33.938	3.08	-	-	-	164.5							
230	8.24	33.998	2.63	-	-	-	156.7							
270	7.73	34.025	2.15	-	-	-	147.5							
329	6.94	34.056	1.48	-	-	-	134.6							
402	6.12	34.081	1.41	-	-	-	122.5							
466B	5.59	34.136	.86	-	-	-	112.1							
544	5.12	34.185	.65	-	-	-	103.1							

A) ALTERNATE VALUE, 14.06 C, NOT USED IN INTERPOLATION.
B) THE LAST TWO NANSEN BOTTLES MAY HAVE DISTRIPPED CAUSING THE D-P DIFFS TO BE SLIGHTLY UNCERTAIN.

	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
67.50					CALCOFI CRUISE 6607								67.50	
DAVID STARR JORDAN, JULY 13 1966, 1552 GMT, 36 48N 122 05W, SOUNDING 64 FM, WIND 340 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 02.														
0	11.90	33.808	6.54	-	-	-	229.8	0	11.90	33.808	6.54	25.70	229.8	0
10	11.77	33.800	6.14	-	-	-	228.1	10	11.77	33.800	6.14	25.72	228.1	.023
19	11.56	33.807	6.00	-	-	-	223.9	20	11.52	33.808	5.96	25.77	223.0	.045
29	10.96	33.820	5.26	-	-	-	212.5	30	10.86	33.821	5.10	25.90	210.8	.067
40	9.88	33.827	3.55	-	-	-	194.2	50	9.63	33.841	3.28	26.13	189.3	.107
59	9.45	33.856	3.04	-	-	-	185.3	75	9.21	33.890	2.62	26.24	179.2	.154
78	9.18	33.897	2.54	-	-	-	178.1							
67.55					CALCOFI CRUISE 6607								67.55	
DAVID STARR JORDAN, JULY 13 1966, 2058 GMT, 36 39N 122 26W, SOUNDING 1250 FM, WIND 320 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 14.														
0	13.33	33.718	7.92	-	-	-	263.0	0	13.33	33.718	7.92	25.35	263.0	0
11	12.73	33.701	7.28	-	-	-	252.9	10	12.80	33.702	7.36	25.45	254.1	.026
29	10.91	33.686	4.89	-	-	-	221.6	20	11.83	33.692	6.10	25.63	237.1	.050
38	10.34	33.681	-	-	-	-	212.5	30	10.83	33.685	4.83	25.80	220.4	.073
53	9.94	33.730	3.87	-	-	-	202.4	50	9.99	33.715	4.00	25.97	204.3	.116
66	9.62	33.828	3.12	-	-	-	190.0	75	9.41	33.868	2.84	26.19	183.8	.165
89	9.12	33.912	2.61	-	-	-	176.1	100	8.93	33.951	2.51	26.33	170.3	.210
109	8.80	33.979	2.45	-	-	-	166.3	125	8.69	34.011	2.27	26.41	162.3	.252
127	8.68	34.015	2.25	-	-	-	161.9	150	8.51	34.074	2.16	26.49	155.0	.292
145	8.55	34.063	2.23	-	-	-	156.4	200	8.16	34.095	1.88	26.56	148.4	.369
173	8.33	34.106	1.85	-	-	-	150.0	250	7.98	34.128	1.65	26.61	143.3	.444
205	8.14	34.092	1.90	-	-	-	148.3	300	7.64	34.134	1.43	26.67	138.2	.517
232	8.06	34.121	1.75	-	-	-	145.0	400	6.84	34.166	.91	26.81	125.2	.654
279	7.80	34.131	1.51	-	-	-	140.6	500	5.96	34.218	.53	26.96	110.3	.778
329	7.40	34.138	1.33	-	-	-	134.6							
410	6.76	34.171	.86	-	-	-	123.7							
491	6.02	34.214	-	-	-	-	111.3							
574	5.70	34.247	.41	-	-	-	105.1							
67.60					CALCOFI CRUISE 6607								67.60	
DAVID STARR JORDAN, JULY 14 1966, 2400 GMT, 36 27.5N 122 50W, SOUNDING 1700 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 26.														
0	14.00	33.654	6.82	-	-	-	280.7	0	14.00	33.654	6.82	25.17	280.7	0
10	13.87	33.673	7.04	-	-	-	276.8	10	13.87	33.673	7.04	25.21	276.8	.028
20	13.15K	33.62 G	-	-	-	-	266.7	20	13.15	33.620	6.66	25.31	266.7	.055
26	12.10	33.511	6.28	-	-	-	255.3	30	10.90	33.370	6.06	25.55	244.8	.081
30	10.90K	33.37 G	-	-	-	-	244.8	50	9.77	33.571	4.47	25.90	211.5	.127
36	11.08	33.432	5.69	-	-	-	243.2	75	9.58	33.833	3.37	26.13	189.0	.177
49	9.78	33.550	4.58	-	-	-	213.2	100	9.14	33.900	2.97	26.26	177.3	.223
60	9.86	33.774	3.52	-	-	-	197.8	125	8.78	33.954	2.64	26.36	167.8	.267
82	9.39	33.855	3.29	-	-	-	184.5	150	8.32	33.990	2.84	26.45	158.4	.308
100	9.14	33.900	2.97	-	-	-	177.3	200	7.86	34.045	2.22	26.57	147.9	.386
117	8.89	33.930	2.73	-	-	-	171.3	250	7.28	34.057	2.25	26.66	139.0	.460
134	8.64	33.979	2.59	-	-	-	163.9	300	6.59	34.057	1.78	26.75	130.1	.529
160	8.14	33.998	2.97	-	-	-	155.3	400	6.29	34.193	.78	26.90	116.2	.657
188	8.03	34.039	2.22	-	-	-	150.7	500	5.68	34.233	.56	27.01	105.9	.774
213	7.65	34.047	2.30	-	-	-	144.8							
255	7.23	34.058	2.23	-	-	-	138.3							
301	6.58	34.057	1.77	-	-	-	130.0							
376	6.42	34.184	.84	-	-	-	118.5							
450	6.00	34.212	.66	-	-	-	111.2							
531	5.46	34.246	.51	-	-	-	102.4							
67.70					CALCOFI CRUISE 6607								67.70	
DAVID STARR JORDAN, JULY 14 1966, 0435 GMT, 36 08N 123 29.5W, SOUNDING 1956 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 34.														
0	15.13	33.105	-	-	-	-	343.8	0	15.13	33.105		24.50	343.8	0
8	15.06	33.101	6.21	-	-	-	342.7	10	15.04	33.100	6.28	24.52	342.3	.034
10	15.04K	33.10 G	-	-	-	-	342.3	20	14.56	33.192	6.50	24.69	325.7	.068
28	14.10	33.273	6.51	-	-	-	310.6	30	14.05	33.272	6.48	24.86	309.7	.100
37	13.90	33.261	6.35	-	-	-	307.6	50	13.59	33.270	6.26	24.96	300.9	.161
48	13.65	33.277	6.29	-	-	-	301.5	75	10.81	33.170	5.95	25.41	258.0	.231
50	13.59K	33.27 G	-	-	-	-	300.9	100	9.79	33.321	5.15	25.70	230.3	.293
60	11.73	33.134	6.10	-	-	-	276.5	125	9.22	33.654	3.85	26.05	196.7	.346
75	10.81K	33.17 G	-	-	-	-	258.0	150	8.94	33.840	3.46	26.24	178.7	.394
81	10.52	33.186	5.86	-	-	-	252.0	200	8.27	33.984	3.46	26.46	158.2	.480
97	9.88	33.281	5.34	-	-	-	234.7	250	7.43	33.992	3.34	26.59	145.8	.558
115	9.42	33.338	4.20	-	-	-	208.4	300	6.64	34.002	2.92	26.70	134.8	.630
139	9.01	33.780	3.57	-	-	-	184.2	400	5.97	34.091	1.64	26.86	119.9	.762
162	8.87	33.885	3.41	-	-	-	174.3	500	5.37	34.153	.65	26.98	108.3	.882
197	8.31	33.984	3.45	-	-	-	158.8							
221	7.97	33.971	3.49	-	-	-	154.9							
263	7.18	34.005	3.23	-	-	-	141.6							
325	6.36	34.001	2.66	-	-	-	131.4							
403	5.96	34.095	1.6	-	-	-	119.5							
483	5.48	34.140	.75	-	-	-	110.5							
553	5.00	34.201	.53	-	-	-	100.6							

67.80 CALCOFI CRUISE 6607 67.80

DAVID STARR JORDAN, JULY 14 1966, 0856 GMT, 35 48N 124 12W, SOUNDING 2150 FM, WIND 300 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 21.

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
0	16.79	32.871	5.71	-	-	-	396.5	0	16.79	32.871	5.71	23.95	396.5	0
8	16.79	32.885	5.81	-	-	-	395.5	10	16.79	32.900	5.83	23.97	394.4	.040
10	16.79K	32.90 G	-	-	-	-	394.4	20	16.79	32.920	5.93	23.99	392.9	.079
20	16.79K	32.92 G	-	-	-	-	392.9	30	16.23	32.880	6.06	24.09	383.6	.118
30	16.23K	32.88 G	-	-	-	-	383.6	50	13.75	32.930	6.38	24.66	328.9	.189
33	15.69	32.844	6.11	-	-	-	374.6	75	11.42	32.920	6.47	25.10	286.8	.267
41	13.94	32.904	6.29	-	-	-	334.5	100	10.70	32.930	6.04	25.24	273.9	.337
50	13.75K	32.93 G	-	-	-	-	328.9	125	9.17	33.152	5.17	25.67	233.2	.401
55	12.97	32.912	6.41	-	-	-	315.3	150	8.61	33.477	4.49	26.01	200.8	.456
68	11.92	32.908	6.49	-	-	-	296.5	200	8.36	33.874	3.44	26.36	167.6	.550
75	11.42K	32.92 G	-	-	-	-	286.8	250	7.60	33.969	3.55	26.54	149.9	.631
91	11.03	32.923	6.26	-	-	-	280.0	300	7.15	34.049	2.17	26.67	137.9	.705
100	10.70K	32.93 G	-	-	-	-	273.9	400	5.81	34.039	1.92	26.84	121.9	.840
109	10.16	32.934	5.76	-	-	-	265.1	500	5.38	34.138	1.01	26.97	109.5	.961
128	9.00	33.206	5.06	-	-	-	226.7	600	4.90	34.228	.46	27.10	97.5	1.071
155	8.54	33.530	4.39	-	-	-	195.8							
183	8.26	33.746	3.93	-	-	-	175.7							
219	8.37	33.974	3.10	-	-	-	160.4							
246	7.65	33.963	3.64	-	-	-	151.0							
294	7.24	34.048	2.19	-	-	-	139.2							
354	6.33	34.036	2.36	-	-	-	128.4							
449	5.43	34.063	1.31	-	-	-	115.7							
537	5.26	34.180	.80	-	-	-	105.0							
611	4.82	34.233	.40	-	-	-	96.3							

67.90 CALCOFI CRUISE 6607 67.90

DAVID STARR JORDAN, JULY 14 1966, 1400 GMT, 35 28N 124 55W, SOUNDING 2450 FM, WIND 340 FORCE 4, WEATHER OVERCAST, SEA SLIGHT, WIRE ANGLE 04.

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
0	16.67	32.867	5.65	-	-	-	394.1	0	16.67	32.867	5.65	23.98	394.1	0
10	16.50K	32.86 G	-	-	-	-	390.9	10	16.50	32.860	5.79	24.01	390.9	.039
11	16.16	32.851	5.80	-	-	-	384.2	20	15.48	32.860	5.91	24.24	369.0	.077
20	15.48K	32.86 G	-	-	-	-	369.0	30	15.31	32.880	6.03	24.29	364.0	.114
28	15.32	32.857	6.00	-	-	-	365.9	50	14.49	32.875	6.27	24.47	347.5	.185
30	15.31K	32.88 G	-	-	-	-	364.0	75	13.28	32.951	6.35	24.77	318.3	.269
40	14.89	32.870	6.16	-	-	-	356.1	100	11.01	32.812	6.48	25.09	287.7	.345
55	14.30	32.880	6.30	-	-	-	343.4	125	10.12	32.962	5.75	25.36	262.1	.415
69	13.86	32.981	6.28	-	-	-	327.3	150	9.34	33.351	4.77	25.79	221.1	.476
95	11.24	32.809	6.51	-	-	-	291.9	200	8.64	33.896	3.63	26.33	170.0	.575
117	10.45	32.862	6.12	-	-	-	274.8	250	8.00	34.007	2.78	26.52	152.6	.658
136	9.70	33.133	5.21	-	-	-	242.8	300	7.43	34.068	2.22	26.65	140.3	.733
155	9.24	33.427	4.64	-	-	-	213.9	400	6.06	34.094	1.74	26.85	120.8	.869
185	8.86	33.747	3.81	-	-	-	180.7	500	5.49	34.154	1.10	26.97	109.6	.989
218	8.37	33.964	3.44	-	-	-	161.1	600	5.01	34.235	.52	27.09	98.1	1.100
248	8.02	34.005	2.81	-	-	-	153.1							
296	7.48	34.061	2.24	-	-	-	141.4							
348	6.83	34.133	2.05	-	-	-	127.5							
430	5.68	34.066	1.54	-	-	-	118.4							
513	5.44	34.167	1.02	-	-	-	108.1							
598	5.02	34.234	.53	-	-	-	98.3							

70.53 CALCOFI CRUISE 6607 70.53

DAVID STARR JORDAN, JULY 15 1966, 1746 GMT, 36 06.5N 121 54W, SOUNDING 600 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA 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
1	11.00	33.675	5.51	-	-	-	223.9	0	11.00	33.675	5.51	25.76	223.9	0
11	11.01	33.663	5.52	-	-	-	225.0	10	11.01	33.662	5.52	25.75	225.1	.022
34	10.80	33.774	5.37	-	-	-	211.8	20	10.96	33.712	5.48	25.80	220.5	.045
50	10.53K	33.78 G	-	-	-	-	208.3	30	10.86	33.770	5.45	25.86	214.5	.067
63	9.78	33.722	3.33	-	-	-	200.4	50	10.53	33.780	4.21	25.93	208.3	.109
74	9.48	33.762	3.23	-	-	-	192.8	75	9.46	33.769	3.21	26.10	191.8	.159
93	9.09	33.903	2.81	-	-	-	176.3	100	8.96	33.934	2.74	26.31	172.1	.205
107	8.86	33.955	2.70	-	-	-	169.0	125	8.73	33.981	2.64	26.38	165.1	.248
122	8.76	33.974	2.63	-	-	-	166.1	150	8.43	34.040	2.66	26.48	156.4	.289
151	8.42	34.042	2.66	-	-	-	156.0	200	8.05	34.094	1.99	26.58	146.9	.366
170	8.24	34.072	2.31	-	-	-	151.2	250	7.59	34.161	1.56	26.70	135.5	.439
198	8.06	34.090	-	-	-	-	147.3	300	7.05	34.178	1.13	26.79	126.9	.506
232	7.84	34.149	1.75	-	-	-	139.8	400	6.45	34.194	.79	26.88	118.2	.634
260	7.44	34.164	1.46	-	-	-	133.2	500	5.78	34.219	.51	26.98	108.1	.753
309	6.98	34.180	1.07	-	-	-	125.9	600	5.31	34.319	.35	27.12	95.2	.862
370	6.65	34.3110	.85	-	-	-	111.9							
467	6.00	34.199	.65	-	-	-	112.2							
555	5.49	34.267	.36	-	-	-	101.1							
629	5.22	34.359	.34	-	-	-	91.2							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
70.60					CALCOFI CRUISE 6607								70.60	
DAVID STARR JORDAN, JULY 15 1966, 1405 GMT, 35 53N 122 22.5W, SOUNDING 1700 FM, WIND 325 FORCE 6, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 26.														
0	14.12	33.388	6.28	-	-	-	302.6	0	14.12	33.388	6.28	24.94	302.6	0
9	14.14	33.377	6.28	-	-	-	303.8	10	14.12	33.377	6.29	24.93	303.4	.030
33	13.18	33.390	6.42	-	-	-	284.2	20	13.81	33.376	6.38	24.99	297.4	.060
57	11.90	33.448	5.73	-	-	-	256.3	30	13.35	33.385	6.42	25.09	287.7	.090
67	11.42	33.467	5.51	-	-	-	246.5	50	12.28	33.430	5.96	25.34	264.5	.145
83	10.97	33.504	5.07	-	-	-	236.0	75	11.18	33.480	5.28	25.58	241.4	.209
95	10.51	33.581	4.87	-	-	-	222.7	100	10.24	33.660	4.42	25.89	212.4	.266
107	9.87	33.775	3.72	-	-	-	197.9	125	9.46	33.848	2.92	26.16	186.1	.316
134	9.32	33.877	2.88	-	-	-	181.8	150	8.76	33.922	3.28	26.33	169.9	.361
150	8.76	33.922	3.28	-	-	-	169.9	200	7.89	34.018	2.80	26.54	150.3	.443
173	8.37	34.009	3.03	-	-	-	157.8	250	7.41	34.095	2.05	26.67	137.9	.517
203	7.84	34.019	2.77	-	-	-	149.5	300	7.10	34.144	1.38	26.75	130.1	.586
229	7.46	34.025	2.44	-	-	-	143.8	400	6.21		.91			
272	7.33	34.143	1.65	-	-	-	133.3	500	5.62		.50			
328	6.82	34.145	1.22	-	-	-	126.4							
416	6.09	-	.86	-	-	-	-							
501	5.61	-	.50	-	-	-	-							
575	5.26	-	.37	-	-	-	-							
70.70					CALCOFI CRUISE 6607								70.70	
DAVID STARR JORDAN, JULY 15 1966, 0730 0735 GMT, 35 31N 123 10W, SOUNDING 2100 FM, WIND 330 FORCE 5, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 11 18.														
2	14.90	33.012	6.19	-	-	-	345.9	0	14.90	33.012	6.19	24.48	345.9	0
12	14.92	33.007	6.08	-	-	-	346.7	10	14.92	33.008	6.10	24.48	346.6	.035
36	14.88	33.020	6.16	-	-	-	344.9	20	14.91	33.016	6.08	24.48	345.9	.069
65	11.29	32.883	6.16	-	-	-	287.3	30	14.90	33.020	6.12	24.49	345.2	.104
76	10.59	32.985	6.16	-	-	-	268.0	50	13.23	32.928	6.17	24.76	319.1	.171
94	9.90	33.124	5.67	-	-	-	246.6	75	10.64	32.974	6.16	25.28	269.7	.245
109	9.79	33.314	4.84	-	-	-	230.8	100	9.85	33.193	5.31	25.59	240.7	.309
121	9.47	33.500	4.75	-	-	-	212.0	125	9.40	33.554	4.56	25.94	206.8	.365
149	9.10	33.799	3.37	-	-	-	184.2	150	9.09	33.805	3.35	26.19	183.6	.415
166	8.95	33.887	3.14	-	-	-	175.4	200	8.42	33.998	2.78	26.45	159.3	.502
194	8.50	33.984	2.84	-	-	-	161.5	250	7.76	34.056	2.23	26.59	145.7	.580
230	8.04	34.043	2.45	-	-	-	150.5	300	7.31	34.092	1.76	26.68	136.8	.653
258	7.66	34.059	2.14	-	-	-	144.0	400	6.16	34.131	1.31	26.87	119.2	.786
306	7.26	34.096	1.71	-	-	-	135.9	500	5.80	34.208	1.00	26.97	109.2	.906
375	6.32	34.116	1.38	-	-	-	122.3	600	5.33	34.291	.45	27.10	97.5	1.016
500A	5.80	34.208	1.00	-	-	-	109.2							
589A	5.38	34.283	.48	-	-	-	98.7							
663A	5.03	34.328	.40	-	-	-	91.4							
70.80					CALCOFI CRUISE 6607								70.80	
DAVID STARR JORDAN, JULY 15 1966, 0152 GMT, 35 14N 123 49W, SOUNDING 2250 FM, WIND 330 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 15.														
0	15.94	32.919	6.0	-	-	-	374.5	0	15.94	32.919	6.00	24.18	374.5	0
10	15.96	32.913	6.02	-	-	-	375.3	10	15.96	32.913	6.02	24.17	375.3	.038
20	15.90K	32.91 G	-	-	-	-	374.3	20	15.90	32.910	6.21	24.19	374.3	.075
29	14.52	32.888	6.39	-	-	-	347.2	30	14.42	32.886	6.40	24.49	345.4	.111
39	13.72	32.868	6.44	-	-	-	332.9	50	13.10	32.839	6.56	24.72	323.1	.178
55	12.76	32.821	6.58	-	-	-	318.1	75	11.60	32.970	6.24	25.11	286.3	.255
67	11.32	32.763	6.40	-	-	-	296.7	100	10.54	33.137	5.44	25.43	256.0	.323
75	11.60K	32.97 G	-	-	-	-	286.3	125	9.79	33.391	4.52	25.75	225.1	.384
92	10.85	33.068	5.77	-	-	-	266.2	150	9.38	33.679	3.73	26.04	197.4	.437
112	10.14	33.255	4.93	-	-	-	240.7	200	8.60	33.940	3.15	26.37	166.2	.530
132	9.64	33.468	4.32	-	-	-	217.0	250	8.08	34.017	2.58	26.51	153.1	.611
151	9.37	33.690	3.7	-	-	-	196.4	300	7.50	34.041	2.31	26.61	143.2	.688
180	8.92	33.868	3.19	-	-	-	176.3	400	6.24	34.063	1.57	26.80	125.4	.827
200	8.60G	33.94 G	-	-	-	-	166.2	500	5.19	34.086	1.10	26.95	111.3	.951
211	8.44	33.973	3.10	-	-	-	161.5	600	5.08	34.290	.33	27.13	94.8	1.060
242	8.17	34.012	2.63	-	-	-	154.7							
290	7.62	34.033	2.41	-	-	-	145.4							
344	6.98	34.072	1.84	-	-	-	134.0							
429	5.88	34.055	1.48	-	-	-	121.5							
513	5.12	34.102	1.02	-	-	-	109.3							
596	5.08	34.278	.37	-	-	-	95.7							

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	DD
70.90					CALCOFI CRUISE 6607								70.90	

DAVID STARR JORDAN, JULY 14 1966, 2043 GMT, 34 53N 124 30W, SOUNDING 2260 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 14.

1	16.43	32.887	5.49	-	-	-	387.4	0	16.43	32.887	5.49	24.05	387.4	0
12	16.34	32.992	6.07	-	-	-	385.1	10	16.39	32.889	6.00	24.06	386.3	.039
31	15.24	32.953	6.05	-	-	-	357.2	20	15.88	32.923	6.13	24.20	372.9	.077
40	15.12	32.930	6.12	-	-	-	356.4	30	15.30	32.951	6.06	24.35	358.6	.113
50	15.07	32.931	6.05	-	-	-	355.3	50	15.07	32.931	6.05	24.38	355.3	.185
64	13.99	32.900	6.22	-	-	-	335.8	75	12.70	32.887	6.37	24.84	312.2	.269
80	12.14	32.890	6.41	-	-	-	301.7	100	11.09	33.013	6.02	25.23	274.3	.343
98	11.23	32.991	6.12	-	-	-	278.3	125	9.71	33.301	4.87	25.69	230.6	.406
120	9.85	33.255	5.00	-	-	-	236.1	150	9.50	33.641	3.93	25.99	202.1	.461
139	9.52	33.442	4.50	-	-	-	217.1	200	9.17	34.041	2.08	26.36	167.3	.555
168	9.48	33.941	2.95	-	-	-	179.5	250	8.67	34.150	1.69	26.53	151.7	.637
194	9.22	34.027	2.17	-	-	-	169.1	300	8.22	34.181	1.44	26.62	142.8	.713
223	8.96	34.086	1.89	-	-	-	160.8	400	7.04	34.186	1.04	26.79	126.2	.853
262	8.54	34.173	1.62	-	-	-	148.1	500	6.16	34.203	.73	26.92	113.8	.980
318	8.06	34.173	1.37	-	-	-	141.1							
390	7.14	34.184	1.08	-	-	-	127.7							
462	6.47	34.198	-	-	-	-	118.0							
541	5.86	34.207	.62	-	-	-	109.9							

73.53					CALCOFI CRUISE 6607								73.53	

DAVID STARR JORDAN, JULY 16 1966, 2105 GMT, 35 31.5N 121 28.5W, SOUNDING 400 FM, WIND 300 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 22.

0	11.52	33.739	6.20	-	-	-	228.2	0	11.52	33.739	6.20	25.72	228.2	0
10	11.45	33.752	6.08	-	-	-	226.0	10	11.45	33.752	6.08	25.74	226.0	.023
34	11.28	33.826	5.32	-	-	-	217.6	20	11.38	33.780	5.89	25.78	222.8	.045
60	10.01	33.895	2.82	-	-	-	191.3	30	11.34	33.812	5.52	25.81	219.7	.067
70	9.66	33.946	2.39	-	-	-	181.9	50	10.53	33.864	3.77	25.99	202.2	.110
87	9.31	33.981	2.39	-	-	-	173.9	75	9.55	33.964	2.32	26.24	178.9	.158
101	8.86	33.952	2.66	-	-	-	169.2	100	8.88	33.953	2.65	26.34	169.5	.202
113	9.10	34.022	2.29	-	-	-	167.6	125	9.07	34.076	2.22	26.40	163.1	.244
139	8.90	34.117	2.13	-	-	-	157.6	150	8.81	34.125	2.01	26.48	155.7	.284
157	8.76	34.130	-	-	-	-	154.5	200	8.45	34.170	1.50	26.58	147.0	.362
182	8.56	34.163	1.64	-	-	-	149.1	250	8.04	34.217	1.21	26.67	137.7	.435
212	8.38	34.176	1.43	-	-	-	145.5	300	7.58	34.219	.96	26.74	131.1	.504
238	8.18	34.216	1.31	-	-	-	139.7	400	6.85	34.218	.85	26.84	121.4	.636
283	7.68	34.219	.97	-	-	-	132.4	500	5.94	34.204	.60	26.95	111.1	.758
342	7.38	34.217	.94	-	-	-	128.5	600	5.42	34.283	.40	27.08	99.1	.870
435	6.50	34.218A	.77	-	-	-	116.9							
520	5.80	34.210A	.55	-	-	-	109.0							
594	5.44	34.275A	.41	-	-	-	100.0							

73.60					CALCOFI CRUISE 6607								73.60	

DAVID STARR JORDAN, JULY 16 1966, 0451 GMT, 35 17.5N 121 58W, SOUNDING 1350 FM, WIND 300 FORCE 5, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 09.

0	13.54	33.335	5.50	-	-	-	295.1	0	13.54	33.335	5.50	25.02	295.1	0
10	13.30	33.359	5.96	-	-	-	288.7	10	13.30	33.359	5.96	25.08	288.7	.029
20	12.32K	33.48 G	-	-	-	-	261.6	20	12.32	33.480	5.98	25.37	261.6	.057
30	12.32K	33.53 G	-	-	-	-	257.9	30	12.32	33.530	5.97	25.41	257.9	.083
34	12.32	33.545	5.95	-	-	-	256.8	50	12.20	33.576	6.13	25.47	252.3	.134
44	12.29	33.562	6.27	-	-	-	255.0	75	10.75	33.768	3.33	25.88	212.9	.192
59	12.01	33.618	5.46	-	-	-	245.8	100	9.58	33.911	2.67	26.19	183.2	.242
72	10.97	33.744	3.55	-	-	-	218.3	125	9.32	33.978	2.42	26.29	174.3	.288
96	9.66	33.896	2.72	-	-	-	185.6	150	9.01	34.034	2.31	26.38	165.4	.331
115	9.41	33.954	2.54	-	-	-	177.4	200	8.31	34.106	2.05	26.55	149.7	.411
134	9.24	33.997	2.32	-	-	-	171.6	250	7.74	34.167	1.48	26.68	137.2	.485
163	8.80	34.060	2.31	-	-	-	160.3	300	7.32	34.213	1.05	26.78	128.0	.553
190	8.42	34.090	2.18	-	-	-	152.5	400	6.47	34.237	.67	26.91	115.2	.680
232	7.98	34.154	1.60	-	-	-	141.4	500	5.62	34.252	.49	27.03	103.8	.796
263	7.58	34.174	1.40	-	-	-	134.4	600	5.01	34.282	.39	27.13	94.6	.901
318	7.22	34.230	.89	-	-	-	125.3							
385	6.61	34.235	.70	-	-	-	117.0							
483	5.75	34.250	.52	-	-	-	105.4							
569	5.17	34.269	.41	-	-	-	97.4							
643	4.82	34.307	.37	-	-	-	90.7							

A) SALINITY BOTTLE NUMBERS WERE NOT RECORDED ON THE DATA SHEET. SINCE STANDARD HANDLING PROCEDURES WERE USED, THESE SALINITY VALUES 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
73.70					CALCOFI CRUISE 6607								73.70	
DAVID STARR JORDAN, JULY 16 1966, 0938 GMT, 34 58N 122 40W, SOUNDING 2200 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 08.														
0	15.33	33.187	6.04	-	-	-	342.0	0	15.33	33.187	6.04	24.52	342.0	0
10	15.32	33.188	6.07	-	-	-	341.7	10	15.32	33.188	6.07	24.53	341.7	.034
20	15.00K	33.23 G	-	-	-	-	332.0	20	15.00	33.230	6.40	24.63	332.0	.068
29	13.70	33.305	6.62	-	-	-	300.4	30	12.60	33.150	6.60	25.06	291.0	.099
30	12.60K	33.15 G	-	-	-	-	291.0	50	11.78	33.084	6.13	25.16	281.1	.157
40	12.60	33.194	6.34	-	-	-	287.7	75	10.43	33.259	5.36	25.54	245.1	.223
54	11.39	33.041	6.05	-	-	-	277.4	100	9.76	33.590	4.08	25.91	209.9	.280
68	10.66	33.153	5.75	-	-	-	256.8	125	9.21	33.796	3.39	26.16	186.0	.330
92	10.00	33.521	4.35	-	-	-	218.8	150	8.86	33.941	3.08	26.33	170.0	.375
111	9.46	33.670	3.78	-	-	-	199.3	200	8.08	34.021	2.73	26.51	152.8	.457
131	9.12	33.846	3.26	-	-	-	181.0	250	7.69	34.082	1.96	26.62	142.7	.533
150	8.86	33.941	3.08	-	-	-	170.0	300	7.34	34.131	1.38	26.71	134.3	.605
180	8.40	33.999	2.94	-	-	-	158.9	400	6.37	34.176	.83	26.88	118.5	.736
212	7.92	34.032	2.57	-	-	-	149.7	500	5.80	34.249	.47	27.01	106.0	.854
241	7.74	34.070	2.09	-	-	-	144.3	600	5.15	34.295	.34	27.12	95.2	.962
290	7.44	34.127	1.46	-	-	-	136.0							
342	6.90	34.143	.41U	-	-	-	127.6							
424	6.18	34.192	.77	-	-	-	114.9							
527	5.64	34.265	.40	-	-	-	103.0							
610	5.08	34.298	.33	-	-	-	94.2							
73.80					CALCOFI CRUISE 6607								73.80	
DAVID STARR JORDAN, JULY 19 1966, 1418 GMT, 34 38N 123 22W, SOUNDING 2250 FM, WIND 330 FORCE 5, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 20.														
2	15.90	33.083	5.90	-	-	-	361.6	0	15.90	33.083	5.90	24.32	361.6	0
10	15.90K	33.08 G	-	-	-	-	361.9	10	15.90	33.080	5.84	24.32	361.9	.036
11	15.90	33.075	5.84	-	-	-	362.2	20	14.86	32.984	6.03	24.47	347.0	.072
30	13.38	32.922	6.30	-	-	-	322.4	30	13.38	32.922	6.30	24.73	322.4	.105
39	13.02	32.993	6.37	-	-	-	310.3	50	11.68	32.900	6.28	25.04	292.8	.167
50	11.68K	32.90 G	-	-	-	-	292.8	75	11.07	33.118	5.55	25.32	266.2	.237
53	11.66	32.905	6.23	-	-	-	292.1	100	9.82	33.395	4.67	25.75	225.2	.299
65	11.56	33.043	5.89	-	-	-	280.2	125	9.21	33.608	4.28	26.02	200.1	.353
88	10.30	33.224	5.08	-	-	-	245.6	150	9.03	33.823	3.66	26.21	181.4	.401
105	9.65	33.464	4.53	-	-	-	217.5	200	8.32	33.963	3.49	26.43	160.5	.488
124	9.22	33.598	4.32	-	-	-	200.9	250	7.41	33.976	3.48	26.58	146.8	.567
142	9.17	33.768	3.64	-	-	-	187.5	300	6.98	34.047	2.26	26.69	135.8	.640
169	8.65	33.913	3.87	-	-	-	169.0	400	6.39	34.185	.91	26.88	118.0	.772
198	8.36	33.963	3.47	-	-	-	161.0	500	5.74	34.234	.64	27.00	106.6	.890
226	7.78	33.961	3.82	-	-	-	153.0							
270	7.18	33.998	2.99	-	-	-	142.1							
321	6.88	34.084	1.78	-	-	-	131.8							
400	6.39	34.185	.91	-	-	-	118.0							
482	5.84	34.223	.69	-	-	-	108.5							
566	5.46	34.279	.49	-	-	-	99.9							
73.90					CALCOFI CRUISE 6607								73.90	
DAVID STARR JORDAN, JULY 16 1966, 2039 GMT, 34 18.5N 124 04W, SOUNDING 1800 FM, WIND 330 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 04.														
0	16.66	33.193	5.72	-	-	-	370.1	0	16.66	33.193	5.72	24.23	370.1	0
10	16.65	33.226	5.75	-	-	-	367.5	10	16.65	33.226	5.75	24.26	367.5	.037
20	15.75K	33.14 G	-	-	-	-	354.3	20	15.75	33.140	5.87	24.40	354.3	.073
30	15.68	33.130	6.00	-	-	-	353.5	30	15.68	33.130	6.00	24.40	353.5	.108
50	15.48K	33.11 G	-	-	-	-	350.8	50	15.48	33.110	6.09	24.43	350.8	.179
60	14.40	33.025	6.14	-	-	-	334.8	75	12.57	33.179	6.20	25.09	288.2	.259
69	13.34	33.168	6.26	-	-	-	303.5	100	11.31	33.420	5.07	25.51	248.0	.327
84	11.63	33.195	5.94	-	-	-	270.2	125	10.45	33.694	3.42	25.88	213.3	.385
99	11.34	33.405	5.16	-	-	-	249.7	150	9.67	33.851	2.89	26.13	189.1	.436
114	10.79	33.609	3.87	-	-	-	225.3	200	8.32	34.003	2.90	26.46	157.4	.525
139	10.04	33.773	3.14	-	-	-	200.8	250	7.60	34.041	2.41	26.60	144.5	.602
159	9.36	33.907	2.75	-	-	-	180.1	300	7.08	34.066	2.00	26.69	135.8	.674
189	8.46	33.988	2.96	-	-	-	160.6	400	6.23	34.124	1.24	26.85	120.6	.807
218	8.14	34.019	2.72	-	-	-	153.7	500	5.70	34.219	.57	27.00	107.1	.927
248	7.62	34.040	-	-	-	-	144.9	600	5.22	34.298	.37	27.12	95.7	1.035
297	7.12	34.065	2.01	-	-	-	136.3							
351	6.52	34.076	1.75	-	-	-	127.8							
436	6.08	34.167	.86	-	-	-	115.6							
520	5.59	34.235	.51	-	-	-	104.7							
604	5.20	34.301	.37	-	-	-	95.3							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	O*T	Z	T	S	OXY	SIG*T	O*T	DD
77.51					CALCOFI CRUISE 6607								77.51	

DAVID STARR JORDAN, JULY 16 1966, 0052 GMT, 29 02N 120 56W, SOUNDING 145 FM, WIND 320 FORCE 5, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE MISSING.

0	12.22	33.812	6.6	-	-	-	235.3	0	12.22	33.812	6.60	25.65	235.3	0
11	12.12	33.814	-	-	-	-	233.0	10	12.15	33.819	5.32	25.66	233.6	.073
30	10.66	33.817	3.6	-	-	-	207.7	20	11.51	33.807	4.32	25.77	223.0	.046
41	9.96	33.908	-	-	-	-	189.5	30	10.66	33.817	3.60	25.94	207.7	.068
54	9.80	33.945	3.03	-	-	-	184.2	50	9.85	33.938	3.13	26.17	185.5	.107
69	9.61	33.969	2.56	-	-	-	179.4	75	9.54	33.988	2.47	26.26	177.0	.153
83	9.46	34.013	2.30	-	-	-	173.8	100	9.32	34.034	2.15	26.33	170.1	.197
102	9.31	34.036	2.12	-	-	-	169.8	125	9.17	34.070	1.91	26.38	165.1	.239
126	9.16	34.071	1.90	-	-	-	164.9	150	9.00	34.100	1.83	26.43	160.4	.281
145	9.03	34.095	1.85	-	-	-	161.2	200	8.67	34.139	1.54	26.52	152.4	.360
178	8.84	34.123	1.69	-	-	-	156.2	250	8.09	34.189	1.24	26.64	140.4	.436
207	8.60	34.145	1.49	-	-	-	151.0							
248	8.12	34.187	1.25	-	-	-	141.0							

77.55					CALCOFI CRUISE 6607								77.55	

DAVID STARR JORDAN, JULY 17 1966, 2157 GMT, 34 55N 121 13W, SOUNDING 310 FM, WIND 320 FORCE 6, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 20.

1	12.92	33.740	6.13	-	-	-	253.5	0	12.92	33.740	6.13	25.45	253.5	0
10	12.86	33.739	6.10	-	-	-	252.5	10	12.86	33.739	6.10	25.46	252.5	.025
20	12.73K	33.74 G	-	-	-	-	250.0	20	12.73	33.740	4.81	25.49	250.0	.050
29	10.90	33.809	3.45	-	-	-	212.3	30	10.77	33.819	3.36	25.92	209.4	.074
41	9.94	33.911	2.75	-	-	-	189.0	50	9.89	33.926	2.72	26.15	187.0	.113
51	9.88	33.926	2.72	-	-	-	186.8	75	9.69	33.959	2.74	26.21	181.4	.160
63	9.74	33.960A	2.68	-	-	-	182.2	100	9.50	34.010	2.41	26.28	174.6	.205
77	9.68	33.959A	2.74	-	-	-	181.3	125	9.20	34.063	2.19	26.37	166.1	.248
91	9.56	33.994A	2.50	-	-	-	176.4	150	8.90	34.138	2.06	26.48	156.1	.289
113	9.38	34.027A	2.31	-	-	-	171.6	200	8.47	34.183	1.59	26.58	146.3	.366
130	9.12	34.080A	2.14	-	-	-	163.6	250	8.11	34.213	1.27	26.66	138.9	.439
157	8.84	34.155	2.02	-	-	-	153.8	300	7.84	34.228	1.10	26.71	134.0	.510
181	8.60	34.186	1.65	-	-	-	148.0	400	7.32	34.244	.92	26.80	125.6	.645
208	8.42	34.181	1.56	-	-	-	145.7	500	6.15	34.210	.67	26.93	113.2	.771
243	8.16	34.211	1.31	-	-	-	139.7							
295	7.86	34.274	1.11	-	-	-	134.5							
344	7.69	34.257	1.01	-	-	-	129.7							
400	7.32	34.244	.92	-	-	-	125.6							
458	6.60	34.216	.79	-	-	-	118.3							
500	6.15G	34.210G	-	-	-	-	113.2							

77.60					CALCOFI CRUISE 6607								77.60	

DAVID STARR JORDAN, JULY 17 1966, 1817 GMT, 34 44N 121 34W, SOUNDING 500 FM, WIND 320 FORCE 6, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 06.

2	14.14	33.733	6.46	-	-	-	277.7	0	14.14	33.733	6.46	25.20	277.7	0
10	14.14K	33.74 G	-	-	-	-	277.2	10	14.14	33.740	6.42	25.20	277.2	.028
12	14.14	33.735	6.39	-	-	-	277.6	20	14.14	33.740	6.17	25.20	277.2	.056
20	14.14K	33.74 G	-	-	-	-	277.2	30	13.60	33.680	5.62	25.27	271.0	.083
30	13.60K	33.68 G	-	-	-	-	271.0	50	10.94	33.619	3.96	25.73	227.1	.133
31	12.99	33.630	5.55	-	-	-	262.9	75	10.04	33.743	3.28	25.99	203.0	.187
42	11.58	33.591	4.47	-	-	-	240.1	100	9.30	33.893	2.72	26.22	180.3	.235
57	10.58	33.659	3.66	-	-	-	218.1	125	8.89	33.998	2.46	26.37	166.2	.279
71	10.17	33.722	3.38	-	-	-	206.7	150	8.42	34.009	2.82	26.45	158.6	.321
94	9.45	33.853	2.83	-	-	-	185.5	200	7.91	34.073	2.33	26.58	146.5	.398
114	9.02	33.972	2.52	-	-	-	170.1	250	7.43	34.132	1.45	26.70	135.5	.471
135	8.76	34.006	2.47	-	-	-	163.7	300	6.96	34.163	1.16	26.79	126.9	.538
155	8.31	34.010	2.94	-	-	-	156.8	400	6.41	34.235	.61	26.92	114.6	.664
185	7.94	34.022	2.92	-	-	-	150.7	500	5.77	34.270	.41	27.03	104.1	.779
217	7.88	34.130	1.64	-	-	-	141.8	600	5.30	34.319	.35	27.12	95.1	.886
246	7.48	34.131	1.47	-	-	-	136.2							
294	6.98	34.154	1.22	-	-	-	127.8							
344	6.82	34.227	.70	-	-	-	120.3							
427	6.19	34.240	.57	-	-	-	111.4							
509	5.72	34.274	.40	-	-	-	103.3							
593	5.33	34.315	.35	-	-	-	95.7							

A1 SALINITY BOTTLE ORDER DIFFERS ON THE ORIGINAL DATA AND SALINITY DETERMINATION SHEET. THEY ARE ASSUMED TO BE IN THE CORRECT ORDER.

77.70 CALCOFI CRUISE 6607 77.70

DAVID STARR JORDAN, JULY 17 1966, 1237 GMT, 34 24N 122 16W, SOUNDING 2250 FM, WIND 330 FORCE 5, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 04.A)

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
1	15.14	33.283	6.04	-	-	-	331.0	0	15.14	33.283	6.04	24.64	331.0	0
10	15.15	33.280	6.06	-	-	-	331.4	10	15.15	33.280	6.06	24.63	331.4	.033
20	15.14K	33.28 G	-	-	-	-	331.2	20	15.14	33.280	6.05	24.64	331.2	.066
28	13.66	33.377	6.03	-	-	-	294.4	30	13.34	33.388	5.97	25.10	287.4	.097
55	10.60	33.445	4.75	-	-	-	234.2	50	10.97	33.414	5.06	25.57	242.6	.150
63	10.13	33.565	4.26	-	-	-	217.6	75	9.66	33.702	3.55	26.02	199.9	.206
77	9.60	33.720	3.46	-	-	-	197.7	100	9.23	33.836	3.11	26.19	183.5	.254
89	9.34	33.794	3.35	-	-	-	188.2	125	8.92	33.945	2.88	26.33	170.6	.299
102	9.22	33.843	3.07	-	-	-	182.7	150	8.58	33.999	2.67	26.42	161.6	.341
121	8.98	33.933	2.91	-	-	-	172.4	200	7.93	34.048	2.35	26.56	148.6	.421
138	8.72	33.974	2.77	-	-	-	165.5	250	7.26	34.064	1.99	26.67	138.3	.494
161	8.46	34.016	2.59	-	-	-	158.6	300	6.86	34.103	1.45	26.75	130.1	.563
185	8.14	34.025	2.56	-	-	-	153.3	400	6.19	34.203	.74	26.92	114.2	.690
207	7.83	34.059	2.24	-	-	-	146.4	500	5.59	34.250		27.03	103.6	.805
244	7.32	34.061	2.05	-	-	-	139.3							
285	6.99	34.089	1.60	-	-	-	132.8							
350	6.46	34.152	1.04	-	-	-	121.4							
419	6.08	34.217	.65	-	-	-	111.8							
494	5.63	34.249	-	-	-	-	104.1							

77.80 CALCOFI CRUISE 6607 77.80

DAVID STARR JORDAN, JULY 17 1966, 0757 GMT, 34 04N 122 57W, SOUNDING 2300 FM, WIND 340 FORCE 3, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 05.

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
1	15.45	33.162	-	-	-	-	346.3	0	15.45	33.162		24.48	346.3	0
10	15.46K	33.16 G	-	-	-	-	346.7	10	15.46	33.160		24.47	346.7	.035
11	15.46	33.165	-	-	-	-	346.3	20	15.46	33.160		24.47	346.7	.069
20	15.46K	33.16 G	-	-	-	-	346.7	30	14.55	33.090		24.62	333.0	.103
30	14.55K	33.09 G	-	-	-	-	333.0	50	12.90	33.190		25.03	293.6	.166
31	14.54	33.094	-	-	-	-	332.5	75	11.48	33.288		25.38	260.8	.236
41	14.32	33.120	-	-	-	-	326.2	100	9.80	33.470		25.81	219.4	.296
50	12.90K	33.19 G	-	-	-	-	293.6	125	9.66	33.687		26.00	201.1	.350
56	13.03	33.238	-	-	-	-	292.5	150	9.13	33.820		26.19	183.1	.398
71	11.66	33.260	-	-	-	-	265.9	200	8.47	33.993		26.43	160.5	.486
95	10.36	33.444	-	-	-	-	230.3	250	7.93	34.062		26.57	147.6	.565
100	9.80K	33.47 G	-	-	-	-	219.4	300	7.21	34.087		26.69	135.8	.638
114	9.86	33.608	-	-	-	-	210.1	400	6.28	34.169		26.88	117.8	.770
133	9.46	33.734	-	-	-	-	194.5	500	5.66	34.239		27.02	105.2	.887
153	9.08	33.833	-	-	-	-	181.4	600	5.15	34.292		27.12	95.5	.994
185	8.66	33.941	-	-	-	-	167.1							
218	8.26	34.042	-	-	-	-	153.7							
248	7.96	34.061	2.07	-	-	-	148.1							
297	7.24	34.084	1.72	-	-	-	136.5							
351	6.70	34.133	1.31	-	-	-	125.8							
438	6.00	34.195	.74	-	-	-	112.5							
523	5.54	34.253	.55	-	-	-	102.8							
607	5.12	34.295	.44	-	-	-	94.9							

77.90 CALCOFI CRUISE 6607 77.90

DAVID STARR JORDAN, JULY 17 1966, 0239 GMT, 33 44N 123 40W, SOUNDING 2200 FM, WIND 340 FORCE 5, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 20.

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
0	16.87	33.071	5.78	-	-	-	383.7	0	16.87	33.071	5.78	24.09	383.7	0
10	16.86	33.060	5.69	-	-	-	384.2	10	16.86	33.060	5.69	24.08	384.2	.038
20	16.85K	33.06 G	-	-	-	-	384.0	20	16.85	33.060	5.81	24.08	384.0	.077
29	15.74	33.086	5.98	-	-	-	358.0	30	15.70	33.088	6.00	24.37	357.0	.114
39	15.56	33.100	6.11	-	-	-	353.2	50	15.29	33.123	6.14	24.48	345.8	.184
52	15.18	33.121	6.16	-	-	-	343.7	75	12.37	32.944	6.45	24.95	301.9	.266
65	13.45	32.969	6.51	-	-	-	320.3	100	11.57	33.147	5.85	25.25	272.8	.338
88	11.48	32.965	6.15	-	-	-	284.6	125	10.05	33.259	4.93	25.61	239.0	.403
107	11.60	33.250	5.63	-	-	-	265.6	150	9.52	33.592	4.31	25.95	206.0	.459
124	10.09	33.249	4.95	-	-	-	240.4	200	8.68	33.927	3.19	26.35	168.4	.554
143	9.66	33.499	4.62	-	-	-	215.0	250	7.97	33.993	3.10	26.51	153.2	.637
169	9.18	33.804	3.49	-	-	-	185.0	300	7.26	34.037	2.45	26.65	140.2	.712
200	8.68	33.927	3.19	-	-	-	168.4	400	6.29	34.121	1.11	26.84	121.6	.848
228	8.30	33.977	3.22	-	-	-	159.1	500	5.34	34.157	.68	26.99	107.7	.968
273	7.62	34.005	2.86	-	-	-	147.5							
323	6.98	34.066	2.07	-	-	-	134.4							
404	6.26	34.123	1.07	-	-	-	121.0							
483	5.46	34.146	.74	-	-	-	109.9							
568	5.02	34.219	.44	-	-	-	99.5							

A) AN ASSUMED WIRE ANGLE WAS USED IN DEPTH DETERMINATION FOR THIS STATION.

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

80.52 CALCOFI CRUISE 6607 80.52

DAVID STARR JORDAN, JULY 18 1966, 1240 GMT, 34 24.5N 120 36.5W, SOUNDING 160 FM, WIND 310 FORCE 7, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 07.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	11.50	33.758	4.18	-	-	-	226.4
10	11.50	33.762	4.18	-	-	-	226.1
30	10.22	33.884	3.06	-	-	-	195.5
46	9.90	33.922	2.80	-	-	-	187.5
55	9.69	33.967	2.69	-	-	-	180.9
69	9.57	33.977	2.60	-	-	-	178.2
84	9.41	34.013	2.51	-	-	-	173.1
104	9.29	34.051	2.25	-	-	-	168.4
128	9.08	34.094	2.05	-	-	-	162.0
149	9.07	34.100	-	-	-	-	161.4
177	8.78	34.146	1.64	-	-	-	153.6
201	8.71	34.173	1.50	-	-	-	150.6

Z	T	S	OXY	SIG*T	D*T	DD
0	11.50	33.758	4.18	25.74	226.4	0
10	11.50	33.762	4.18	25.74	226.1	.023
20	10.91	33.819	3.66	25.89	211.7	.045
30	10.22	33.884	3.06	26.06	195.5	.065
50	9.80	33.943	2.75	26.18	184.4	.103
75	9.50	33.990	2.57	26.27	176.2	.149
100	9.31	34.044	2.31	26.34	169.3	.192
125	9.10	34.090	2.07	26.41	162.7	.234
150	9.06	34.102	1.85	26.43	161.0	.275
200	8.71	34.172	1.51	26.54	150.7	.355

80.55 CALCOFI CRUISE 6607 80.55

DAVID STARR JORDAN, JULY 18 1966, 1522 GMT, 34 19N 120 48W, SOUNDING 450 FM, WIND 330 FORCE 6, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 18.

Z	T	S	OXY	PHO	SIL	NIT	D*T
1	12.94	33.765	6.38	-	-	-	252.1
9	12.91	33.762	6.33	-	-	-	251.7
10	12.90K	33.76 G	-	-	-	-	251.7
26	11.08	33.707	4.28	-	-	-	222.9
35	10.45	33.709	3.50	-	-	-	212.2
48	10.12	33.752	3.22	-	-	-	203.6
59	9.90	33.770	3.19	-	-	-	198.8
81	9.51	33.884	2.85	-	-	-	184.2
97	9.22	33.921	2.89	-	-	-	177.0
113	9.03	33.973	2.46	-	-	-	170.2
129	8.98	34.030	2.38	-	-	-	165.2
158	8.66	34.087	2.14	-	-	-	156.2
184	8.59	34.173	1.69	-	-	-	148.8
207	8.33	34.204	1.41	-	-	-	142.7
248	8.10	34.227	1.22	-	-	-	137.7
291	7.82	34.237	1.09	-	-	-	133.0
363	7.40	34.246	.92	-	-	-	126.6
438	7.05	34.268	.73	-	-	-	120.3
519	6.24	34.255	.54	-	-	-	110.9

Z	T	S	OXY	SIG*T	D*T	DD
0	12.94	33.765	6.38	25.47	252.1	0
10	12.90	33.760	6.24	25.47	251.7	.025
20	11.89	33.725	5.11	25.64	235.8	.050
30	10.76	33.706	3.89	25.83	217.6	.072
50	10.08	33.755	3.21	25.99	202.7	.115
75	9.61	33.851	2.94	26.14	188.2	.164
100	9.18	33.930	2.81	26.27	175.6	.210
125	9.00	34.016	2.40	26.37	166.5	.253
150	8.75	34.072	2.23	26.45	158.7	.294
200	8.41	34.197	1.48	26.60	144.4	.372
250	8.09	34.228	1.21	26.68	137.5	.444
300	7.76	34.238	1.07	26.73	132.1	.514
400	7.28	34.261	.82	26.82	123.8	.647
500	6.47	34.261	.58	26.93	113.3	.773
600	5.70	34.265	.34	27.03	103.7	.889

80.60 CALCOFI CRUISE 6607 80.60

DAVID STARR JORDAN, JULY 18 1966, 1947 GMT, 34 09N 121 09W, SOUNDING 1150 FM, WIND 350 FORCE 6, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 07.

Z	T	S	OXY	PHO	SIL	NIT	D*T
1	12.40	33.766	6.12	-	-	-	242.0
12	12.40	33.768	6.26	-	-	-	241.8
31	12.06	33.751	5.31	-	-	-	236.9
42	10.64	33.711	3.44	-	-	-	215.2
56	10.24	33.741	3.26	-	-	-	206.4
70	9.82	33.808	3.21	-	-	-	194.7
95	9.22	33.890	3.12	-	-	-	179.3
114	8.82	33.952	2.89	-	-	-	168.6
134	8.62	33.996	2.72	-	-	-	162.4
154	8.39	34.041	2.38	-	-	-	155.7
183	8.08	34.106	1.9	-	-	-	146.4
217	7.68	34.134	1.60	-	-	-	138.7
247	7.44	34.123	1.49	-	-	-	136.3
301	7.08	34.153	1.22	-	-	-	129.2
361	6.44	34.201	.88	-	-	-	117.4
459	5.94	34.271	.48	-	-	-	106.1
544	5.49	34.294	.41	-	-	-	99.1
629	5.09	34.340	.33	-	-	-	91.2

Z	T	S	OXY	SIG*T	D*T	DD
0	12.40	33.766	6.12	25.57	242.0	0
10	12.41	33.768	6.27	25.57	242.0	.024
20	12.29	33.763	6.13	25.59	240.2	.048
30	12.12	33.753	5.41	25.62	237.8	.072
50	10.40	33.720	3.33	25.90	210.6	.117
75	9.69	33.826	3.19	26.11	191.3	.168
100	9.10	33.907	3.06	26.27	176.2	.214
125	8.70	33.977	2.80	26.39	164.9	.257
150	8.44	34.032	2.45	26.47	157.0	.298
200	7.87	34.126	1.72	26.63	142.0	.375
250	7.42	34.124	1.48	26.69	136.0	.446
300	7.09	34.152	1.23	26.76	129.4	.514
400	6.20	34.232	.69	26.94	112.2	.640
500	5.72	34.279	.45	27.04	102.8	.754
600	5.22	34.322	.36	27.13	94.0	.859

80.70 CALCOFI CRUISE 6607 80.70

DAVID STARR JORDAN, JULY 19 1966, 0225 GMT, 33 48.5N 121 51W, SOUNDING 200 FM, WIND 320 FORCE 6, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 22.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	15.84	33.089	5.77	-	-	-	359.9
9	15.84	33.094	5.87	-	-	-	359.5
28	15.71	33.087	5.91	-	-	-	357.3
38	14.51	33.029	6.18	-	-	-	336.7
54	12.70	32.963	6.44	-	-	-	306.6
66	11.73	32.969	-	-	-	-	288.6
75	11.40K	33.17 G	-	-	-	-	276.8
89	10.75	33.182	5.42	-	-	-	256.1
107	9.82	33.459	4.46	-	-	-	220.5
126	9.58	33.640	3.79	-	-	-	203.3
145	9.34	33.803	3.25	-	-	-	187.5
173	8.74	33.907	3.52	-	-	-	170.8
204	8.13	33.975	3.19	-	-	-	156.9
232	7.72	33.988	3.05	-	-	-	150.1
278	7.19	34.008	2.57	-	-	-	141.5
329	6.64	34.052	2.23	-	-	-	131.1
409	6.16	34.149	.93	-	-	-	117.9
490	5.67	34.210	.57	-	-	-	107.5
572	5.20	34.252	.40	-	-	-	99.0

Z	T	S	OXY	SIG*T	D*T	DD
0	15.84	33.089	5.77	24.34	359.9	0
10	15.84	33.094	5.87	24.34	359.5	.036
20	15.78	33.091	5.89	24.35	358.4	.072
30	15.50	33.076	5.96	24.40	353.6	.108
50	13.12	32.974	6.41	24.82	313.6	.175
75	11.90	33.170	6.03	25.21	276.8	.249
100	10.10	33.340	4.83	25.66	233.9	.313
125	9.59	33.632	3.82	25.97	204.1	.368
150	9.24	33.829	3.27	26.18	184.1	.417
200	8.20	33.969	3.25	26.46	158.3	.505
250	7.50	33.995	2.87	26.58	146.6	.583
300	6.94	34.025	2.43	26.68	137.0	.656
400	6.20	34.138	1.08	26.87	119.2	.789
500	5.61	34.216	.54	27.00	106.3	.907

	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
80.80					CALCOFI CRUISE 6607								80.80	

DAVID STARR JORDAN, JULY 19 1966, 0800 0820 GMT, 33 28.5N 122 32W, SOUNDING 2400 FM, WIND 320 FORCE 6, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 25 12.

1	16.36	33.141	5.71	-	-	-	367.3	0	16.36	33.141	5.71	24.26	367.3	0
10	16.36	33.139	5.85	-	-	-	367.5	10	16.36	33.139	5.85	24.26	367.5	.037
20	16.36K	33.14 G	-	-	-	-	367.4	20	16.36	33.140	5.85	24.26	367.4	.074
30	16.36K	33.14 G	-	-	-	-	367.4	30	16.36	33.140	5.81	24.26	367.4	.110
31	16.36	33.151	5.80	-	-	-	366.6	50	16.03	33.213	5.86	24.39	355.0	.183
59	15.33	33.200	5.91	-	-	-	341.0	75	13.40	33.088	6.20	24.85	310.5	.266
68	13.97	33.115	6.18	-	-	-	319.6	100	11.49	33.327	6.37	25.41	258.1	.338
86	12.73	33.102	6.22	-	-	-	296.9	125	10.93	33.529	4.73	25.66	233.6	.400
99	11.54	33.317	6.41	-	-	-	259.6	150	10.29	33.785	3.24	25.97	204.0	.456
128A	10.87	33.546	4.46	-	-	-	231.2	200	9.26	34.000	2.49	26.31	171.7	.551
157A	10.12	33.853	2.95	-	-	-	196.2	250	8.40	34.075	2.15	26.51	153.3	.635
176A	9.82	33.942	2.60	-	-	-	184.8	300	7.82	34.120	1.73	26.63	141.8	.711
205A	9.14	34.008	2.47	-	-	-	169.3	400	7.27	34.253	.71	26.81	124.3	.849
241A	8.53	34.069	2.18	-	-	-	155.6	500	6.28	34.240	.61	26.94	112.5	.974
275A	8.07	34.088	2.11	-	-	-	147.6	600	5.49	34.279	.49	27.07	100.2	1.088
324A	7.64	34.156	1.30	-	-	-	136.5							
394A	7.32	34.252	.73	-	-	-	125.0							
507A	6.20	34.237	.60	-	-	-	111.8							
595A	5.52	34.276	.50	-	-	-	100.8							
668A	5.15	34.330	.41	-	-	-	92.6							

80.90					CALCOFI CRUISE 6607								80.90	

DAVID STARR JORDAN, JULY 19 1966, 1314 GMT, 33 09N 123 13W, SOUNDING 2300 FM, WIND 340 FORCE 6, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 08.

1	16.34	33.122	5.71	-	-	-	368.3	0	16.34	33.122	5.71	24.25	368.3	0
11	16.34	33.118	5.77	-	-	-	368.6	10	16.34	33.118	5.77	24.24	368.6	.037
31	16.32	33.135	5.82	-	-	-	366.9	20	16.33	33.123	5.80	24.25	368.0	.074
60	15.36	33.172	6.4	-	-	-	343.7	30	16.33	33.134	5.82	24.26	367.2	.111
69	14.70	33.139	6.10	-	-	-	332.5	50	15.85	33.171	6.30	24.40	354.2	.183
84	12.76	33.139	6.31	-	-	-	294.7	75	13.91	33.131	6.16	24.78	317.3	.267
98	12.06	33.192	6.06	-	-	-	278.1	100	11.92	33.208	5.95	25.23	274.5	.342
114	10.98	33.330	5.10	-	-	-	249.1	125	10.42	33.393	4.80	25.65	235.0	.406
138	9.98	33.492	4.43	-	-	-	220.6	150	9.89	33.676	3.65	25.96	205.6	.462
156	9.84	33.767	3.27	-	-	-	198.0	200	9.05	33.977	2.65	26.33	170.2	.558
186	9.29	33.918	2.86	-	-	-	178.3	250	8.39	34.068	2.25	26.51	153.6	.641
214	8.83	34.024	2.46	-	-	-	163.4	300	7.57	34.098	1.96	26.65	139.9	.716
244	8.48	34.062	2.29	-	-	-	155.4	400	6.44	34.126	1.30	26.83	123.0	.853
294	7.66	34.098	1.99	-	-	-	141.1	500	5.89	34.203	.58	26.96	110.6	.976
347	6.96	34.100	1.71	-	-	-	131.6	600	5.33	34.271	.45	27.08	99.1	1.087
431	6.21	34.148	1.05	-	-	-	118.6							
514	5.82	34.213	.52	-	-	-	109.0							
599	5.34	34.270	.45	-	-	-	99.2							

82.47					CALCOFI CRUISE 6607								82.47	

DAVID STARR JORDAN, JULY 21 1966, 0053 GMT, 34 15N 119 59W, SOUNDING 310 FM, WIND 280 FORCE 5, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 13.

1	13.92	33.794	7.3	-	-	-	268.9	0	13.92	33.794	7.30	25.29	268.9	0
11	11.70	33.816	5.48	-	-	-	225.7	10	11.88	33.814	5.65	25.71	229.1	.025
30	10.06	33.871	2.95	-	-	-	193.9	20	10.62	33.840	4.04	25.96	205.4	.047
45	9.80	33.927	2.78	-	-	-	185.6	30	10.06	33.871	2.95	26.08	193.9	.067
54	9.69	33.945	2.73	-	-	-	182.5	50	9.74	33.938	2.75	26.19	183.8	.105
69	9.54	33.976	2.59	-	-	-	177.8	75	9.50	33.982	2.56	26.26	176.8	.150
82	9.47	33.987	2.54	-	-	-	175.9	100	9.40	34.009	2.45	26.30	173.2	.194
97	9.42	34.004	2.46	-	-	-	173.9	125	9.22	34.051	2.38	26.36	167.4	.237
121	9.24	34.046	2.44	-	-	-	168.0	150	9.07	34.085	2.04	26.41	162.6	.279
140	9.15	34.068	2.14	-	-	-	165.0	200	8.82	34.154	1.63	26.50	153.6	.360
169	8.94	34.119	1.91	-	-	-	158.0	250	8.28	34.175	1.14	26.60	144.2	.436
196	8.87	34.154	1.7	-	-	-	154.4	300	7.76	34.189	.90	26.69	135.8	.509
225	8.48	34.156	1.24	-	-	-	148.5	400	6.97	34.222	.58	26.83	122.6	.644
264	8.18	34.186	1.09	-	-	-	141.9	500	6.46	34.254	.28	26.92	113.8	.768
320	7.54	34.192	.81	-	-	-	132.5							
373	7.22	34.217	.8	-	-	-	126.3							
432	6.73	34.230	.40	-	-	-	118.9							
491	6.48	34.250	.29	-	-	-	114.3							

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	DD
83.43					CALCOFI CRUISE 6607								83.43	

DAVID STARR JORDAN, JULY 21 1966, 0349 GMT, 34 08N 119 34W, SOUNDING 133 FM, WIND 260 FORCE 5, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 26.

0	14.97	33.705	6.08	-	-	-	296.6	0	14.97	33.705	6.08	25.00	296.6	0
9	14.76	33.700	6.08	-	-	-	296.8	10	14.96	33.700	6.03	25.00	296.8	.030
10	14.96K	33.70 G	-	-	-	-	296.8	20	14.93	33.700	5.41	25.01	296.1	.059
20	14.93K	33.70 G	-	-	-	-	296.1	30	12.64	33.683	4.60	25.46	252.5	.087
29	12.80	33.683	4.67	-	-	-	255.5	50	11.44	33.733	3.62	25.73	227.3	.135
43	11.46	33.689	3.85	-	-	-	231.1	75	10.59	33.779	3.32	25.92	209.4	.190
52	11.42	33.747	3.58	-	-	-	225.8	100	9.93	33.931	2.57	26.15	187.4	.240
65	10.82	33.769	3.56	-	-	-	213.9	125	9.19	34.069	2.34	26.38	165.5	.285
78	10.54	33.785	3.22	-	-	-	208.1	150	8.88	34.137	1.90	26.48	155.8	.326
98	10.00	33.918	2.59	-	-	-	189.4	200	8.64	34.166	1.56	26.54	150.1	.404
121	9.28	34.050	2.42	-	-	-	168.3							
139	8.94	34.121	2.05	-	-	-	157.9							
168	8.79	34.155	1.71	-	-	-	153.1							
191	8.66	34.163	1.58	-	-	-	150.9							

83.51					CALCOFI CRUISE 6607								83.51	

DAVID STARR JORDAN, JULY 20 1966, 2059 GMT, 33 52N 120 08.5W, SOUNDING 65 FM, WIND 320 FORCE 6, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 12.

0	14.76	33.674	5.48	-	-	-	294.5	0	14.76	33.674	5.48	25.02	294.5	0
10	13.30	33.674	5.25	-	-	-	265.6	10	13.30	33.674	5.25	25.33	265.6	.028
25	11.64	33.750	4.24	-	-	-	229.5	20	12.11	33.720	4.60	25.60	240.0	.053
34	11.08	33.794	3.83	-	-	-	216.5	30	11.31	33.774	4.00	25.79	221.9	.076
44	10.51	33.850	3.50	-	-	-	202.8	50	10.17	33.890	3.16	26.08	194.3	.118
59	9.76	33.941	2.75	-	-	-	183.9	75	9.50	33.975	2.84	26.26	177.3	.165
72	9.54	33.969	2.84	-	-	-	178.4	100	9.32	34.015	2.57	26.32	171.5	.209
98	9.32	34.012	2.61	-	-	-	171.7							

83.55					CALCOFI CRUISE 6607								83.55	

DAVID STARR JORDAN, JULY 20 1966, 1825 GMT, 33 44.5N 120 23W, SOUNDING 600 FM, WIND 330 FORCE 5, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 25.

0	13.74	33.647	5.64	-	-	-	276.1	0	13.74	33.647	5.64	25.22	276.1	0
10	13.74	33.643	5.67	-	-	-	276.4	10	13.74	33.643	5.67	25.21	276.4	.028
28	13.56	33.636	5.62	-	-	-	273.4	20	13.66	33.639	5.65	25.23	275.1	.055
54	11.02	33.635	4.12	-	-	-	227.2	30	13.39	33.636	5.51	25.28	270.1	.083
66	10.32	33.628	3.94	-	-	-	216.1	50	11.45	33.635	4.36	25.65	234.7	.133
76	9.75	33.771	3.26	-	-	-	196.3	75	9.80	33.755	3.33	26.03	198.4	.188
88	9.30	33.885	2.98	-	-	-	180.9	100	9.21	33.913	2.85	26.25	177.4	.235
100	9.21	33.913	2.85	-	-	-	177.4	125	8.88	33.979	2.77	26.36	167.5	.279
121	8.92	33.960	2.87	-	-	-	169.5	150	8.50	34.046	2.47	26.47	156.9	.320
138	8.74	34.038	2.44	-	-	-	161.0	200	8.27	34.187	1.46	26.62	143.1	.396
164	8.26	34.056	2.49	-	-	-	152.7	250	7.83	34.223	1.15	26.71	134.1	.468
189	8.34	34.166	1.61	-	-	-	145.7	300	7.59	34.232	.96	26.75	130.2	.536
216	8.12	34.202	1.36	-	-	-	139.8	400	6.70	34.226	.79	26.87	118.8	.666
260	7.75	34.226	1.10	-	-	-	132.9	500	6.01	34.245	.60	26.98	108.9	.786
313	7.54	34.233	.93	-	-	-	129.4							
391	6.78	34.228	.80	-	-	-	119.9							
471	6.16	34.229	.67	-	-	-	111.9							
554	5.83	34.295	.42	-	-	-	103.0							

83.60					CALCOFI CRUISE 6607								83.60	

DAVID STARR JORDAN, JULY 20 1966, 1448 GMT, 33 34N 120 45W, SOUNDING 1200 FM, WIND 310 FORCE 5, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 25.

1	14.42	33.637	5.70	-	-	-	290.3	0	14.42	33.637	5.70	25.07	290.3	0
10	14.40	33.629	5.73	-	-	-	290.5	10	14.40	33.629	5.73	25.06	290.5	.029
27	14.18	33.638	5.60	-	-	-	285.5	20	14.31	33.631	5.76	25.09	288.5	.058
37	13.88	33.651	5.91	-	-	-	278.6	30	14.09	33.642	5.84	25.14	283.5	.087
51	13.54	33.661	5.81	-	-	-	271.2	50	13.59	33.662	5.84	25.26	272.0	.142
63	12.14	33.607	4.75	-	-	-	248.9	75	11.11	33.608	4.02	25.69	230.8	.206
87	10.40	33.660	3.49	-	-	-	215.0	100	9.94	33.775	2.96	26.03	199.1	.260
104	9.84	33.811	2.34	-	-	-	194.8	125	9.25	33.899	2.72	26.24	179.1	.308
123	9.29	33.843	2.73	-	-	-	180.1	150	8.93	33.957	2.56	26.33	169.9	.352
142	9.02	33.939	2.61	-	-	-	172.6	200	8.04	34.050	2.18	26.54	150.0	.434
168	8.70	33.935	2.45	-	-	-	163.6	250	7.11	34.084	1.79	26.70	134.8	.507
200	8.04	34.060	2.18	-	-	-	150.0	300	6.74	34.134	1.29	26.79	126.2	.574
226	7.46	34.064	1.98	-	-	-	140.9	400	6.08	34.218	.72	26.95	111.8	.698
273	6.89	34.106	1.59	-	-	-	130.3	500	5.60	34.286	.43	27.06	100.9	.810
324	6.64	34.159	1.03	-	-	-	123.1							
403	6.06	34.220	.71	-	-	-	111.4							
482	5.68	34.274	.46	-	-	-	102.8							
571	5.27	34.330	.37	-	-	-	93.9							

	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 6607								83.70	
DAVID STARR JORDAN, JULY 20 1966, 0750 GMT, 33 12N 121 29W, SOUNDING 1950 FM, WIND 330 FORCE 5, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 05.														
2	15.43	33.218	5.94	-	-	-	341.8	0	15.43	33.218	5.94	24.53	341.8	0
12	15.43	33.198	6.00	-	-	-	343.3	10	15.43	33.200	5.99	24.51	343.1	.034
20	15.43K	33.20 G	-	-	-	-	343.1	20	15.43	33.200	5.99	24.51	343.1	.069
30	15.43K	33.20 G	-	-	-	-	343.1	30	15.43	33.200	5.98	24.51	343.1	.103
32	15.44	33.200	5.98	-	-	-	343.3	50	13.87	33.055	6.24	24.73	322.1	.170
63	12.40	32.953	6.35	-	-	-	301.8	75	11.81	32.982	6.15	25.08	289.1	.247
71	12.06	32.968	6.24	-	-	-	294.6	100	10.55	33.229	5.10	25.50	249.4	.314
85	11.17	33.045	5.84	-	-	-	273.3	125	9.70	33.597	4.03	25.93	208.4	.372
101	10.52	33.244	5.04	-	-	-	247.7	150	9.17	33.874	3.67	26.23	179.6	.421
116	9.96	33.456	4.26	-	-	-	223.0	200	8.56	34.034	2.72	26.45	158.6	.507
144	9.28	33.840	3.77	-	-	-	183.9	250	7.98	34.102	1.96	26.59	145.3	.585
163	8.96	33.921	3.45	-	-	-	173.0	300	7.71	34.201	1.67	26.71	134.1	.658
192	8.60	34.007	2.96	-	-	-	161.3	400	6.71	34.199	1.03	26.85	121.1	.791
220	8.43	34.089	2.17	-	-	-	152.7	500	5.87	34.234	.65	26.99	108.0	.911
249	7.99	34.100	1.96	-	-	-	145.6	600	5.24	34.331	.40	27.14	93.5	1.019
297	7.73	34.199	1.70	-	-	-	134.6							
351	7.24	34.204	1.14	-	-	-	127.6							
443	6.27	34.200	.92	-	-	-	115.4							
531	5.66	34.259	.54	-	-	-	103.7							
614	5.16	34.349	.39	-	-	-	91.3							
83.80					CALCOFI CRUISE 6607								83.80	
DAVID STARR JORDAN, JULY 20 1966, 0250 GMT, 32 54N 122 08W, SOUNDING, WIND 310 FORCE 6, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 06.														
1	15.78	33.193	5.89	-	-	-	351.0	0	15.78	33.193	5.89	24.43	351.0	0
12	15.79	33.252U	5.94	-	-	-	346.9	10	15.79	33.207	5.93	24.44	350.2	.035
30	15.76	33.194	6.01	-	-	-	350.5	20	15.78	33.208	5.97	24.44	349.9	.070
50	14.90K	33.12 G	-	-	-	-	338.0	30	15.76	33.194	6.01	24.43	350.5	.105
60	13.51	33.032	6.08	-	-	-	316.8	50	14.90	33.120	6.06	24.57	338.0	.174
68	14.16	33.367	6.28	-	-	-	304.9	75	14.15	33.380	6.20	24.93	303.8	.255
75	14.15K	33.38 G	-	-	-	-	303.8	100	11.02	33.358	5.01	25.51	247.7	.324
82	12.42	33.310	5.96	-	-	-	275.9	125	9.90	33.653	3.93	25.94	207.5	.382
97	11.22	33.326	5.20	-	-	-	253.4	150	9.29	33.849	3.60	26.19	183.3	.431
111	10.41	33.502	4.38	-	-	-	226.9	200	8.56	33.980	3.12	26.41	162.7	.520
135	9.65	33.744	3.75	-	-	-	196.7	250	7.89	34.051	2.53	26.57	147.9	.599
158	9.13	33.892	3.56	-	-	-	177.7	300	7.20	34.074	2.06	26.68	136.7	.673
191	8.69	-	-	-	-	-	-	400	6.56	34.173	1.22	26.85	121.0	.807
200	8.56K	33.98 G	-	-	-	-	162.7	500	5.68	34.229	.64	27.01	106.2	.926
222	8.25	34.008	2.86	-	-	-	156.1	600	5.16	34.285	.38	27.11	96.0	1.034
251	7.88	34.052	2.52	-	-	-	147.6							
301	7.19	34.075	2.05	-	-	-	136.5							
359	6.89	34.150	1.24	-	-	-	127.0							
442	6.18	34.189	1.19	-	-	-	115.1							
527	5.50	34.246	.48	-	-	-	102.8							
613	5.12	34.291	.36	-	-	-	95.2							
83.90					CALCOFI CRUISE 6607								83.90	
DAVID STARR JORDAN, JULY 19 1966, 1907 2000 GMT, 32 34.5N 122 50W, SOUNDING 2250 FM, WIND 330 FORCE 5, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 27 11.														
0	16.52	33.383	5.79	-	-	-	353.2	0	16.52	33.383	5.79	24.41	353.2	0
9	16.52	33.394	5.88	-	-	-	352.4	10	16.52	33.390	5.91	24.41	352.7	.035
10	16.52K	33.39 G	-	-	-	-	352.7	20	16.52	33.390	6.12	24.41	352.7	.071
20	16.52K	33.39 G	-	-	-	-	352.7	30	14.41	33.478	6.22	24.95	301.8	.103
27	14.96	33.453	6.23	-	-	-	314.8	50	12.76	33.582	5.39	25.36	262.1	.160
34	13.80	33.508	6.18	-	-	-	287.5	75	10.57	33.497	4.50	25.70	229.9	.222
49	12.88	33.589	5.45	-	-	-	263.9	100	10.02	33.640	4.02	25.91	210.3	.277
60	11.52	33.498	4.86	-	-	-	245.9	125	9.38	33.840	3.51	26.17	185.4	.327
82	10.36	33.529	4.41	-	-	-	224.0	150	9.01	33.919	3.25	26.29	173.9	.373
100	10.02	33.640	4.02	-	-	-	210.3	200	8.29	34.038	2.55	26.50	154.5	.457
116	9.51	33.799	3.80	-	-	-	190.5	250	7.82	34.101	1.83	26.62	143.0	.533
133	9.30	33.863	3.27	-	-	-	182.5	300	7.20	34.142	1.34	26.74	131.6	.604
158	8.87	33.943	3.21	-	-	-	170.0	400	6.35	34.211	.87	26.91	115.5	.733
189	8.42	34.023	2.71	-	-	-	157.5	500	5.74	34.275	.45	27.03	103.4	.848
213	8.16	34.052	2.37	-	-	-	151.6	600	5.21	34.311	.33	27.13	94.7	.954
257	7.75	34.110	1.73	-	-	-	141.5							
343A	6.68	34.166	1.10	-	-	-	123.1							
426A	6.23	34.231	.78	-	-	-	112.6							
511A	5.67	34.280	.42	-	-	-	102.2							
594A	5.24	34.310	.34	-	-	-	95.1							

A) CAST 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	DC
84.43					CALCOFI CRUISE 6607								84.43	

DAVID STARR JORDAN, JULY 8 1966, 1830 GMT, 33 57N 119 25.5W, SOUNDING 150 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 04.A)

0	18.69	33.591	5.50	-	-	-	387.7	0	18.69	33.591	5.50	24.04	387.7	0
10	18.22	33.587	5.98	-	-	-	376.9	10	18.22	33.587	5.98	24.16	376.9	.038
20	17.42	33.609	6.13	-	-	-	356.8	20	17.42	33.609	6.13	24.37	356.8	.075
30	16.74	33.599	6.13	-	-	-	342.3	30	16.74	33.599	6.13	24.52	342.3	.110
40	15.90	33.588	6.25	-	-	-	324.7	50	12.80	33.531	5.88	25.32	266.7	.171
50	12.80	33.531	5.88	-	-	-	266.7	75	10.42	33.743	3.43	25.92	209.3	.231
59	11.58	33.609	4.22	-	-	-	238.8	100	9.87	33.883	3.18	26.12	189.9	.281
69	10.73	33.718	3.44	-	-	-	216.2	125	9.26	34.021	2.75	26.33	170.2	.327
79	10.27	33.756	3.42	-	-	-	205.8	150	9.00	34.092	2.41	26.43	160.9	.369
89	9.92	33.826	3.28	-	-	-	194.9							
99	9.88	33.876	3.21	-	-	-	190.6							
108	9.71	33.942	2.93	-	-	-	183.0							
118	9.41	34.001	2.80	-	-	-	174.0							
128	9.21	34.027	2.73	-	-	-	168.9							
137	9.08	34.056	2.61	-	-	-	164.8							
148	9.00	34.092	2.42	-	-	-	160.9							
158	8.94	34.092	2.39	-	-	-	160.0							
168	8.79	34.094	2.42	-	-	-	157.6							

87.35					CALCOFI CRUISE 6607								87.35	

DAVID STARR JORDAN, JULY 21 1966, 1148 GMT, 33 50N 118 37.5W, SOUNDING 350 FM, WIND VARIABLE FORCE 3, WEATHER FOG, SEA SLIGHT, WIRE ANGLE 04.

0	19.82	33.689	5.33	-	-	-	408.1	0	19.82	33.689	5.33	23.83	408.1	0
9	19.78	33.672	5.65	-	-	-	408.3	10	19.39	33.662	5.64	23.92	399.4	.040
30	11.14	33.582	4.37	-	-	-	233.2	20	15.35	33.591	5.26	24.83	312.9	.076
39	10.62	33.732	3.32	-	-	-	213.3	30	11.14	33.582	4.37	25.67	233.2	.103
50	10.41	33.824	3.06	-	-	-	203.0	50	10.41	33.824	3.06	25.98	203.0	.147
64	10.26	33.853	3.03	-	-	-	198.4	75	10.15	33.881	2.97	26.07	194.7	.197
79	10.12	33.890	2.94	-	-	-	193.4	100	9.99	33.909	2.86	26.12	189.9	.246
98	10.00	33.905	2.87	-	-	-	190.4	125	9.77	33.982	2.69	26.22	181.0	.293
123	9.80	33.975	2.71	-	-	-	182.0	150	9.48	34.050	2.59	26.32	171.4	.337
143	9.52	34.042	2.53	-	-	-	172.6	200	8.97	34.147	2.05	26.48	156.4	.421
172	9.36	34.068	2.70	-	-	-	168.2	250	8.80	34.196	1.68	26.54	150.2	.500
201	8.96	34.150	2.02	-	-	-	156.0	300	8.36	34.240	1.40	26.64	140.5	.575
231	8.89	34.176	1.82	-	-	-	153.0	400	7.35	34.260	.86	26.81	124.9	.714
270	8.66	34.216	1.55	-	-	-	146.6	500	6.34	34.304	.51	26.98	108.4	.837
329	8.04	34.256	1.27	-	-	-	134.7							
403	7.32	34.260	.84	-	-	-	124.4							
477	6.54	34.291	.54	-	-	-	112.0							
556	5.92	34.344	.58	-	-	-	100.4							

87.40					CALCOFI CRUISE 6607								87.40	

DAVID STARR JORDAN, JULY 21 1966, 1450 GMT, 33 40N 118 58W, SOUNDING 450 FM, WIND 140 FORCE 1, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 09.

1	18.50	33.676	-	-	-	-	377.0	0	18.50	33.676		24.16	377.0	0
11	14.88	33.555	-	-	-	-	305.7	10	15.18	33.563		24.84	311.5	.034
30	11.52	33.606	-	-	-	-	238.0	20	12.78	33.549		25.33	265.0	.063
40	11.16	33.678	-	-	-	-	226.4	30	11.52	33.606		25.62	238.0	.089
50	10.78	33.711	-	-	-	-	217.5	50	10.78	33.711		25.83	217.5	.134
64	10.48	33.766	3.34	-	-	-	208.5	75	10.20	33.825	3.20	26.02	199.4	.187
78	10.12	33.842	3.17	-	-	-	197.0	100	9.75	33.932	3.08	26.18	184.4	.235
98	9.78	33.927	3.10	-	-	-	185.2	125	9.39	33.997	2.77	26.29	174.0	.280
123	9.42	33.989	2.80	-	-	-	175.0	150	9.12	34.080	2.41	26.40	163.7	.323
143	9.16	34.064	2.52	-	-	-	165.4	200	8.73	34.129	2.75	26.50	154.1	.404
174	9.06	34.112	2.24	-	-	-	160.4	250	8.36	34.190	1.50	26.60	144.1	.481
202	8.70	34.130	2.78	-	-	-	153.6	300	7.85	34.242	1.26	26.72	133.0	.553
232	8.50	34.159	1.82	-	-	-	148.5	400	7.01	34.268	.73	26.86	119.7	.685
271	8.17	34.225	1.29	-	-	-	138.8	500	6.24	34.311	.39	27.00	106.7	.804
330	7.52	34.248	1.20	-	-	-	128.0							
404	6.98	34.269	.70	-	-	-	119.3							
477	6.40	34.299	.45	-	-	-	109.6							
556	5.90	34.348	.28	-	-	-	99.9							

A) 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
87.45					CALCOFI CRUISE 6607								87.45	
DAVID STARR JORDAN, JULY 21 1966, 1808 GMT, 33 30N 119 19W, SOUNDING 900 FM, WIND 310 FORCE 2, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 04.														
0	16.47	33.634	5.88	-	-	-	333.8	0	16.47	33.634	5.88	24.61	333.8	0
10	14.60	33.711	5.91	-	-	-	288.6	10	14.60	33.711	5.91	25.09	288.6	.031
30	10.35	33.846	3.16	-	-	-	200.4	20	12.23	33.784	4.56	25.62	237.5	.057
40	9.96	33.889	3.02	-	-	-	190.9	30	10.35	33.846	3.16	26.01	200.4	.079
54	9.69	33.928	2.72	-	-	-	183.7	50	9.75	33.919	2.80	26.17	185.3	.118
69	9.50	33.959	2.58	-	-	-	178.5	75	9.45	33.967	2.55	26.26	177.1	.164
93	9.34	33.988	2.46	-	-	-	173.8	100	9.31	34.000	2.40	26.31	172.4	.208
113	9.23	34.026	2.30	-	-	-	169.3	125	9.10	34.057	2.24	26.39	165.0	.251
133	9.00	34.076	2.20	-	-	-	162.1	150	8.85	34.095	2.04	26.46	158.3	.292
153	8.82	34.098	2.01	-	-	-	157.8	200	8.41	34.169	1.60	26.58	146.5	.370
182	8.58	34.137	1.79	-	-	-	151.3	250	8.03	34.224	1.15	26.68	137.0	.442
216	8.27	34.195	1.42	-	-	-	142.5	300	7.69	34.245	.94	26.75	130.7	.512
247	8.05	34.222	1.17	-	-	-	137.4	400	6.95	34.274	.62	26.87	118.5	.642
296	7.73	34.244	.95	-	-	-	131.2	500	6.32	34.318	.35	26.99	107.2	.761
348	7.26	34.254	.80	-	-	-	124.1	600	5.82	34.357	.26	27.09	98.2	.871
434	6.78	34.290	.50	-	-	-	115.1							
517	6.22	34.325	.32	-	-	-	105.5							
600	5.82	34.357	.26	-	-	-	98.2							
87.50					CALCOFI CRUISE 6607								87.50	
DAVID STARR JORDAN, JULY 21 1966, 2135 GMT, 33 20N 119 39.5W, SOUNDING 40 FM, WIND 290 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 08.														
0	15.00	33.734	5.86	-	-	-	295.1	0	15.00	33.734	5.86	25.02	295.1	0
10	13.24	33.779	5.16	-	-	-	256.8	10	13.24	33.779	5.16	25.42	256.8	.028
20	11.74	33.832	3.98	-	-	-	225.2	20	11.74	33.832	3.98	25.75	225.2	.052
30	11.04	33.864	3.56	-	-	-	210.7	30	11.04	33.864	3.56	25.90	210.7	.074
50	10.19	33.904	3.10	-	-	-	193.5	50	10.19	33.904	3.10	26.08	193.5	.114
87.55					CALCOFI CRUISE 6607								87.55	
DAVID STARR JORDAN, JULY 22 1966, 0042 GMT, 33 10N 120 00W, SOUNDING 640 FM, WIND 290 FORCE 4, WEATHER CLOUDY, SEA SLIGHT, WIRE ANGLE 07.														
737A	4.84	-	-	-	-	-	-							
746	4.81	-	-	-	-	-	-							
757	4.78	-	-	-	-	-	-							
806	4.58	-	-	-	-	-	-							
816	4.56	-	-	-	-	-	-							
826	4.56	-	-	-	-	-	-							
875	4.40	-	-	-	-	-	-							
885	4.38	-	-	-	-	-	-							
895	4.32	-	-	-	-	-	-							
945	4.21	-	-	-	-	-	-							
955	4.20	-	-	-	-	-	-							
965	4.16	-	-	-	-	-	-							
1014	4.04	-	-	-	-	-	-							
1024	4.02	-	-	-	-	-	-							
1034	4.02	-	-	-	-	-	-							
87.60					CALCOFI CRUISE 6607								87.60	
DAVID STARR JORDAN, JULY 22 1966, 0415 GMT, 33 00N 120 21.5W, SOUNDING 510 FM, WIND 310 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 07.														
2	16.38	33.335	6.28	-	-	-	353.6	0	16.38	33.335	6.28	24.40	353.6	0
10	16.21K	33.33 G	-	-	-	-	350.3	10	16.21	33.330	5.86	24.44	350.3	.035
12	16.36	33.328	5.79	-	-	-	353.7	20	15.50	33.340	5.71	24.60	334.4	.069
20	15.50K	33.34 G	-	-	-	-	334.4	30	15.28	33.353	5.74	24.66	328.8	.103
32	15.22	33.351	5.76	-	-	-	327.7	50	13.82	33.254	6.25	24.90	306.5	.166
43	14.51	33.275	6.20	-	-	-	318.7	75	11.62	33.347	5.41	25.40	258.8	.238
57	13.08	33.253	6.23	-	-	-	292.3	100	10.40	33.620	3.89	25.83	217.9	.298
71	11.85	33.311	5.66	-	-	-	265.5	125	9.44	33.796	3.40	26.13	189.6	.349
96	10.64	33.575	4.08	-	-	-	225.3	150	8.94	33.901	3.37	26.29	174.1	.395
115	9.62	33.761	3.40	-	-	-	195.0	200	8.13	34.030	2.72	26.51	152.8	.479
135	9.33	33.820	3.48	-	-	-	186.1	250	7.62	34.079	2.07	26.63	142.1	.554
155	8.80	33.928	3.32	-	-	-	170.1	300	7.21	34.137	1.39	26.73	132.2	.625
185	8.34	34.005	3.00	-	-	-	157.6	400	6.28	34.162	.94	26.88	118.4	.755
219	7.90	34.052	2.38	-	-	-	147.9	500	5.94	34.273	.47	27.01	106.0	.873
248	7.64	34.076	2.10	-	-	-	142.5	600	5.41	34.342	.45	27.13	94.6	.981
306	7.16	34.142	1.32	-	-	-	131.1							
359	6.52	34.130	1.15	-	-	-	123.8							
444	6.13	34.213	.70	-	-	-	112.7							
527	5.82	34.296	.42	-	-	-	102.8							
611	5.34	34.347	.48	-	-	-	93.4							

A) SPECIAL CAST FOR THE VERIFICATION OF THE PRESSURE FACTORS FOR THE UNPROTECTED REVERSING THERMOMETERS.

	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
87.70					CALCOFI CRUISE 6607								87.70	
DAVID STARR JORDAN, JULY 22 1966, 0928 GMT, 32 39.5N 121 02W, SOUNDING 2050 FM, WIND 310 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 16.														
0	15.70K	33.31 G	-	-	-	-	340.8	0	15.70	33.310		24.54	340.8	0
5	15.66	33.306	5.92	-	-	-	340.2	10	15.65	33.303	5.93	24.54	340.3	.034
15	15.65	33.302	5.94	-	-	-	340.3	20	15.62	33.307	5.94	24.55	339.3	.068
34	15.49	33.332	5.95	-	-	-	334.7	30	15.54	33.323	5.95	24.58	336.3	.102
50	15.27K	33.36 G	-	-	-	-	328.1	50	15.27	33.360	5.98	24.67	328.1	.169
58	15.14	33.378	6.00	-	-	-	324.0	75	13.06	33.201	6.31	25.01	295.7	.247
67	13.80	33.228	6.27	-	-	-	308.0	100	11.40	33.306	5.25	25.41	258.0	.317
76	12.98	33.199	6.30	-	-	-	294.4	125	10.25	33.610	4.18	25.84	216.3	.377
91	11.79	33.275	5.56	-	-	-	267.1	150	9.24	33.851	3.59	26.20	182.4	.427
105	11.22	33.331	5.08	-	-	-	253.1	200	8.45	33.984	3.31	26.43	160.8	.515
129	10.06	33.673	4.01	-	-	-	208.5	250	8.01	34.080	2.21	26.57	147.3	.594
148	9.28	33.841	3.61	-	-	-	183.8	300	7.48	34.131	1.58	26.69	136.2	.667
172	8.92	33.925	3.47	-	-	-	172.1	400	6.69	34.212	.80	26.86	119.8	.800
199	8.46	33.981	3.34	-	-	-	161.2	500	5.81	34.260	.44	27.01	105.4	.919
226	8.15	34.049	2.40	-	-	-	151.6							
263	7.94	34.092	2.10	-	-	-	145.5							
318	7.25	34.149	1.33	-	-	-	131.8							
388	6.84	34.210	.86	-	-	-	121.9							
459	6.10	34.234	.55	-	-	-	110.8							
536	5.64	34.290	.38	-	-	-	101.1							
87.80					CALCOFI CRUISE 6607								87.80	
DAVID STARR JORDAN, JULY 22 1966, 1424 GMT, 32 19.5N 121 43W, SOUNDING 2200 FM, WIND 300 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 11.														
1	16.64	33.357	5.69	-	-	-	357.7	0	16.64	33.357	5.69	24.36	357.7	0
11	16.64	33.358	5.76	-	-	-	357.6	10	16.64	33.358	5.76	24.36	357.7	.036
20	16.64K	33.36 G	-	-	-	-	357.5	20	16.64	33.360	5.76	24.36	357.5	.072
31	16.64	33.355	5.74	-	-	-	357.9	30	16.64	33.354	5.74	24.36	357.9	.107
55	16.31	33.554	5.82	-	-	-	336.1	50	16.40	33.552	5.80	24.56	338.2	.177
64	14.61	33.305	6.24	-	-	-	318.5	75	13.61	33.314	6.18	24.99	297.9	.257
74	13.70	33.318	6.19	-	-	-	299.5	100	12.09	33.320	5.53	25.29	269.2	.329
89	12.52	33.274	5.94	-	-	-	280.4	125	10.94	33.473	4.62	25.62	237.8	.393
103	12.00	33.339	5.40	-	-	-	266.2	150	9.89	33.719	3.83	25.99	202.4	.448
128	10.79	33.497	4.52	-	-	-	233.5	200	8.72	33.970	3.51	26.38	165.9	.542
147	9.98	33.699	3.89	-	-	-	205.3	250	8.09	34.045	2.67	26.53	151.2	.623
171	9.40	33.829	3.58	-	-	-	186.5	300	7.42	34.063	2.16	26.64	140.5	.699
199	8.74	33.967	3.52	-	-	-	166.3	400	6.31	34.100	1.48	26.82	123.4	.836
228	8.36	34.015	3.05	-	-	-	157.2	500	5.91	34.208	.66	26.96	110.4	.959
266	7.90	34.061	2.42	-	-	-	147.2							
321	7.13	34.065	2.06	-	-	-	136.5							
394	6.32	34.092	1.55	-	-	-	124.1							
466	6.10	34.178	.85	-	-	-	115.0							
545	5.56	34.238	.55	-	-	-	104.1							
87.90					CALCOFI CRUISE 6607								87.90	
DAVID STARR JORDAN, JULY 22 1966, 1949 GMT, 31 59N 122 24W, SOUNDING 2200 FM, WIND 340 FORCE 2, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 14.														
1	16.72	33.274	5.79	-	-	-	365.5	0	16.72	33.274	5.79	24.28	365.5	0
10	16.62	33.279	5.85	-	-	-	363.0	10	16.62	33.279	5.85	24.30	363.0	.036
29	16.64	33.303	5.82	-	-	-	361.7	20	16.63	33.297	5.84	24.31	361.9	.073
39	16.52	33.276	5.83	-	-	-	361.0	30	16.63	33.300	5.82	24.32	361.6	.109
50	15.41K	33.27 G	-	-	-	-	337.6	50	15.41	33.270	6.11	24.57	337.6	.179
54	15.16	33.264	6.22	-	-	-	332.8	75	12.49	33.113	6.24	25.05	291.7	.258
67	13.09	33.115	6.28	-	-	-	302.7	100	11.01	33.280	5.40	25.46	253.2	.327
91	11.74	33.210	5.89	-	-	-	271.0	125	9.79	33.533	4.40	25.86	214.5	.386
111	10.20	33.383	4.78	-	-	-	232.2	150	9.14	33.791	3.88	26.17	185.4	.436
130	9.70	33.587	4.30	-	-	-	209.0	200	8.50	33.996	3.04	26.43	160.6	.525
149	9.16	33.783	3.90	-	-	-	186.3	250	7.88	34.052	2.45	26.57	147.7	.604
178	8.78	33.948	3.31	-	-	-	168.3	300	7.25	34.097	1.96	26.69	135.7	.677
210	8.38	34.007	2.94	-	-	-	158.1	400	6.54	34.206	.84	26.88	118.4	.809
239	8.04	34.045	2.54	-	-	-	150.4	500	5.77	34.246	.52	27.01	106.0	.927
287	7.38	34.076	2.16	-	-	-	139.0	600	5.40	34.348	.35	27.13	94.1	1.034
339	6.94	34.162	1.33	-	-	-	126.7							
423	6.40	34.214	.74	-	-	-	116.0							
505	5.74	34.249	.51	-	-	-	105.4							
588	5.42	34.332	.36	-	-	-	95.5							

	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
90.28					CALCOFI CRUISE 6607								90.28	
DAVID STARR JORDAN, JULY 24 1966, 1821 GMT, 33 28.5N 117 46.5W, SOUNDING 235 FM, WIND 220 FORCE 2, WEATHER CLOUDY, SEA SLIGHT, WIRE ANGLE 05.														
0	19.05	33.577	5.75	-	-	-	397.4	0	19.05	33.577	5.75	23.94	397.4	0
10	13.74	33.531	7.26	-	-	-	284.6	10	13.74	33.531	7.26	25.13	284.6	.034
30	11.74	33.578	4.37	-	-	-	243.9	20	12.60	33.539	6.20	25.36	262.3	.061
45	11.18	33.659	5.93U	-	-	-	228.2	30	11.74	33.578	4.37	25.55	243.9	.087
61	10.85	33.715	3.40	-	-	-	218.4	50	11.08	33.676	3.66	25.75	225.2	.134
75	10.28	33.799	3.30	-	-	-	202.8	75	10.28	33.799	3.30	25.99	202.8	.188
90	10.14	33.823	3.34	-	-	-	198.7	100	10.06	33.852	3.18	26.07	195.3	.238
110	9.98	33.883	3.00	-	-	-	191.7	125	9.87	33.921	2.91	26.15	187.1	.286
135	9.80	33.945	2.88	-	-	-	184.2	150	9.67	33.981	2.77	26.23	179.5	.333
165	9.54	34.013	2.66	-	-	-	175.1	200	9.28	34.066	2.47	26.36	167.1	.421
200	9.28	34.066	2.47	-	-	-	167.1	250	8.93	34.150	2.07	26.48	155.6	.504
234	9.04	34.137	2.25	-	-	-	158.2	300	8.34	34.180	1.69	26.60	144.6	.582
274	8.72	34.160	1.80	-	-	-	151.7							
318	8.14	34.197	1.55	-	-	-	140.5							
358	7.89	34.243	1.08	-	-	-	133.5							
90.32					CALCOFI CRUISE 6607								90.32	
DAVID STARR JORDAN, JULY 24 1966, 1547 GMT, 33 20.5N 118 03W, SOUNDING 385 FM, WIND 330 FORCE 1, WEATHER OVERCAST, SEA SLIGHT, WIRE ANGLE 10.														
1	19.49	33.623	5.81	-	-	-	404.8	0	19.49	33.623	5.81	23.87	404.8	0
11	18.12	33.572	6.33	-	-	-	375.7	10	18.29	33.577	6.29	24.13	379.3	.039
31	12.94	33.448	6.80	-	-	-	275.4	20	15.73	33.500	6.90	24.68	327.5	.075
41	11.94	33.495	5.15	-	-	-	253.6	30	13.19	33.451	6.85	25.18	279.8	.105
51	11.74	33.564	4.51	-	-	-	245.0	50	11.77	33.557	4.55	25.53	246.0	.158
65	10.94	33.666	3.50	-	-	-	223.6	75	10.49	33.723	3.27	25.89	211.8	.215
78	10.38	33.738	3.24	-	-	-	208.9	100	10.12	33.838	3.05	26.05	197.3	.267
99	10.14	33.836	3.05	-	-	-	197.7	125	9.53	33.873	3.18	26.17	185.3	.315
123	9.58	33.866	3.16	-	-	-	186.6	150	9.08	33.957	3.27	26.31	172.2	.361
141	9.19	33.933	3.32	-	-	-	175.6	200	8.79	34.094	2.46	26.46	157.7	.445
171	8.94	34.008	2.99	-	-	-	166.3	250	8.29	34.131	1.86	26.57	147.5	.523
199	8.80	34.092	2.48	-	-	-	157.9	300	7.93	34.181	1.36	26.66	138.7	.597
229	8.51	34.121	2.07	-	-	-	151.5	400	6.98	34.223	.97	26.83	122.8	.733
267	8.12	34.140	1.71	-	-	-	144.4	500	6.38	34.287	.53	26.96	110.3	.857
324	7.80	34.210	1.15	-	-	-	134.7							
399	6.99	34.222	.98	-	-	-	122.9							
473	6.53	34.273	.60	-	-	-	113.2							
553	6.12	34.309	.48	-	-	-	105.4							
90.37					CALCOFI CRUISE 6607								90.37	
DAVID STARR JORDAN, JULY 24 1966, 1240 GMT, 33 11N 118 22.5W, SOUNDING 650 FM, WIND 300 FORCE 3, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 05.														
0	19.80	33.670	5.51	-	-	-	409.0	0	19.80	33.670	5.51	23.82	409.0	0
11	19.78	33.664	5.70	-	-	-	408.9	10	19.78	33.668	5.68	23.82	408.7	.041
31	14.64	33.449	6.46	-	-	-	308.6	20	17.58	33.568	6.08	24.30	363.4	.080
41	13.87	33.436	6.38	-	-	-	294.1	30	14.92	33.460	6.43	24.82	313.5	.113
50	12.82	33.446	5.91	-	-	-	273.3	50	12.82	33.446	5.91	25.25	273.3	.172
64	11.25	33.641	3.73	-	-	-	230.7	75	10.55	33.724	3.48	25.88	212.7	.233
79	10.38	33.745	3.41	-	-	-	208.4	100	9.95	33.837	3.22	26.07	194.7	.285
99	9.98	33.833	3.23	-	-	-	195.4	125	9.39	33.936	2.97	26.24	178.5	.332
123	9.42	33.928	2.98	-	-	-	179.5	150	9.14	34.023	2.84	26.35	168.1	.376
144	9.20	34.005	2.87	-	-	-	170.4	200	8.39	34.122	2.09	26.55	149.6	.457
173	8.85	34.080	2.70	-	-	-	159.6	250	8.17	34.197	1.44	26.64	141.0	.532
201	8.37	34.123	2.06	-	-	-	149.3	300	7.88	34.223	1.18	26.70	134.9	.603
231	8.23	34.171	1.61	-	-	-	143.7	400	7.11	34.274	.74	26.85	120.7	.736
270	8.10	34.218	1.31	-	-	-	138.4	500	6.18	34.311	.45	27.01	106.0	.856
328	7.64	34.230	1.08	-	-	-	131.0							
403	7.09	34.276	.73	-	-	-	120.2							
477	6.34	34.303	.50	-	-	-	108.6							
555	5.92	34.329	.36	-	-	-	101.5							

	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
90.45					CALCOFI CRUISE 6607								90.45	
DAVID STARR JORDAN, JULY 24 1966, 0032 GMT, 32 54.5N 118 55.5W, SOUNDING 925 FM, WIND 300 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 02.														
1	17.48	33.667	5.69	-	-	-	354.0	0	17.48	33.667	5.69	24.40	354.0	0
11	17.19	33.662	5.79	-	-	-	347.8	10	17.23	33.662	5.81	24.45	348.7	.035
20	16.70K	33.66 G	-	-	-	-	336.9	20	16.70	33.660	5.08	24.58	336.9	.069
31	11.41	33.670	4.02	-	-	-	231.3	30	11.91	33.668	4.13	25.59	240.3	.098
41	10.29	33.696	3.58	-	-	-	210.5	50	10.23	33.729	3.42	25.94	207.2	.143
51	10.22	33.733	3.41	-	-	-	206.7	75	9.63	33.870	2.92	26.15	187.0	.193
65	9.84	33.819	3.10	-	-	-	194.2	100	9.30	33.964	2.62	26.28	174.9	.239
80	9.54	33.893	2.85	-	-	-	184.0	125	8.95	34.031	2.40	26.39	164.6	.282
99	9.31	33.961	2.63	-	-	-	175.4	150	8.62	34.074	2.20	26.47	156.6	.322
124	8.96	34.029	2.41	-	-	-	165.0	200	8.03	34.130	1.74	26.61	143.8	.399
144	8.68	34.066	2.24	-	-	-	158.1	250	7.56	34.145	1.40	26.69	136.3	.471
173	8.38	34.098	2.04	-	-	-	151.3	300	7.31	34.220	1.07	26.78	127.3	.539
202	8.00	34.132	1.72	-	-	-	143.3	400	6.70	34.271	.78	26.91	115.5	.666
232	7.66	34.110	1.50	-	-	-	140.2	500	6.12	34.298	.37	27.00	106.3	.783
271	7.48	34.197	1.29	-	-	-	131.3							
329	7.12	34.228	.87	-	-	-	124.2							
404	6.68	34.273	.77	-	-	-	115.1							
477	6.26	34.287	.47	-	-	-	108.8							
557	5.75	34.337	.13	-	-	-	98.9							
90.53					CALCOFI CRUISE 6607								90.53	
DAVID STARR JORDAN, JULY 24 1966, 0437 GMT, 32 39N 119 28.5W, SOUNDING 700 FM, WIND 290 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 06.														
1	16.36	33.682	6.11	-	-	-	327.8	0	16.36	33.682	6.11	24.67	327.8	0
11	15.88	33.680	6.33	-	-	-	317.6	10	15.96	33.680	6.33	24.76	319.4	.032
31	12.48	33.664	5.07	-	-	-	250.9	20	14.51	33.671	5.98	25.07	289.7	.063
41	11.01	33.670	4.00	-	-	-	224.5	30	12.68	33.665	5.17	25.44	254.6	.090
56	10.12	33.806	3.35	-	-	-	199.6	50	10.34	33.748	3.52	25.94	207.6	.137
70	9.64	33.846	3.10	-	-	-	192.2	75	9.72	33.862	3.03	26.13	189.1	.186
95	9.28	33.934	2.78	-	-	-	176.9	100	9.21	33.954	2.69	26.29	174.3	.232
115	9.04	34.012	2.43	-	-	-	167.5	125	8.94	34.043	2.26	26.40	163.7	.275
134	8.86	34.066	2.14	-	-	-	160.8	150	8.72	34.093	2.06	26.47	156.6	.316
155	8.67	34.099	2.04	-	-	-	155.5	200	8.09	34.120	1.70	26.59	145.4	.393
184	8.25	34.107	1.83	-	-	-	148.6	250	7.66	34.202	1.13	26.72	133.3	.464
217	7.94	34.140	1.53	-	-	-	141.9	300	7.30	34.220	.93	26.78	127.2	.532
247	7.68	34.200	1.15	-	-	-	133.8	400	6.70	34.285	.51	26.92	114.4	.658
296	7.33	34.217	.95	-	-	-	127.8	500	6.10	34.317	.40	27.02	104.6	.774
352	6.96	34.262	.64	-	-	-	119.5	600	5.59	34.354	.34	27.11	95.8	.881
455	6.40	34.303	.45	-	-	-	109.3							
538	5.88	34.330	.37	-	-	-	101.0							
623	5.51	34.364	.33	-	-	-	94.1							
90.60					CALCOFI CRUISE 6607								90.60	
DAVID STARR JORDAN, JULY 24 1966, 0035 GMT, 32 24N 119 56W, SOUNDING 570 FM, WIND 310 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 07.														
1	15.38	33.590	5.88	-	-	-	313.6	0	15.38	33.590	5.88	24.82	313.6	0
11	14.78	33.498	6.09	-	-	-	307.8	10	14.82	33.504	6.08	24.88	308.3	.031
20	14.54K	33.47 G	-	-	-	-	305.0	20	14.54	33.470	6.10	24.91	305.0	.062
31	13.66	33.413	6.03	-	-	-	291.7	30	13.74	33.416	6.05	25.04	293.0	.092
41	13.63	33.492	5.85	-	-	-	285.3	50	12.73	33.378	5.73	25.21	276.6	.149
55	12.14	33.306	5.64	-	-	-	271.1	75	11.00	33.424	4.82	25.57	242.5	.214
68	11.36	33.357	5.12	-	-	-	253.6	100	10.05	33.661	3.96	25.92	209.2	.271
92	10.30	33.604	4.18	-	-	-	217.5	125	9.49	33.800	3.53	26.12	190.0	.322
111	9.76	33.726	3.73	-	-	-	199.8	150	9.00	33.912	3.29	26.29	174.4	.368
130	9.40	33.824	3.48	-	-	-	186.9	200	8.16	34.063	2.25	26.53	150.8	.451
149	9.03	33.906	3.32	-	-	-	175.2	250	7.71	34.081	2.04	26.62	143.1	.526
177	8.38	34.041	2.52	-	-	-	155.5	300	7.34	34.118	1.60	26.70	135.3	.598
209	8.11	34.069	2.20	-	-	-	149.6	400	6.93	34.259	.70	26.87	119.3	.731
237	7.86	34.077	2.10	-	-	-	145.5	500	6.23	34.310	.46	27.00	106.7	.850
285	7.38	34.094	1.79	-	-	-	137.6	600	5.66	34.349	.39	27.10	97.0	.959
336	7.28	34.184	1.13	-	-	-	129.6							
418	6.80	34.274	.64	-	-	-	116.6							
500	6.23	34.310	.46	-	-	-	106.7							
583	5.75	34.343	.40	-	-	-	98.5							

	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
90.70					CALCOFI CRUISE 6607								90.70	
DAVID STARR JORDAN, JULY 23 1966, 1810 GMT, 32 04.5N 120 38.5W, SOUNDING 2050 FM, WIND 360 FORCE 3, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 00.														
0	16.70	33.357	5.73	-	-	-	359.0	0	16.70	33.357	5.73	24.35	359.0	0
10	16.64	33.350	5.75	-	-	-	358.2	10	16.64	33.350	5.75	24.35	358.2	.036
30	16.44	33.343	5.80	-	-	-	354.3	20	16.55	33.346	5.77	24.37	356.5	.072
50	14.80K	33.34 G	-	-	-	-	319.8	30	16.44	33.343	5.80	24.39	354.3	.107
55	14.74	33.328	6.15	-	-	-	319.5	50	14.80	33.340	6.09	24.76	319.8	.175
65	14.14	33.337	6.14	-	-	-	306.7	75	13.46	33.282	6.11	24.99	297.5	.252
74	13.50	33.283	6.12	-	-	-	298.2	100	11.92	33.343	5.39	25.34	264.5	.323
89	12.85	33.291	5.98	-	-	-	285.2	125	10.23	33.618	4.06	25.86	215.3	.384
104	11.56	33.371	5.13	-	-	-	256.0	150	9.55	33.764	3.64	26.08	193.6	.436
128	10.09	33.653	3.94	-	-	-	210.5	200	8.61	34.011	2.66	26.43	161.1	.526
148	9.60	33.750	3.67	-	-	-	195.5	250	8.13	34.109	2.56	26.58	146.9	.605
174	8.96	33.926	3.23	-	-	-	172.6	300	7.63	34.165	1.30	26.69	135.7	.678
202	8.59	34.016	2.63	-	-	-	160.5	400	6.84	34.242	.78	26.86	119.5	.811
232	8.42	34.105	3.02	-	-	-	151.4	500	6.30	34.318	.43	27.00	107.0	.931
271	7.78	34.105	1.83	-	-	-	142.3							
329	7.55	34.232	.98	-	-	-	129.7							
404	6.80	34.243	.77	-	-	-	118.9							
477	6.42	34.305	.50	-	-	-	109.4							
556	6.03	34.338	.29	-	-	-	102.2							
90.80					CALCOFI CRUISE 6607								90.80	
DAVID STARR JORDAN, JULY 23 1966, 1213 GMT, 31 46N 121 22W, SOUNDING 2050 FM, WIND 320 FORCE 1, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 11.														
1	16.68	33.346	5.73	-	-	-	359.4	0	16.68	33.346	5.73	24.34	359.4	0
11	16.66	33.344	5.76	-	-	-	359.1	10	16.66	33.344	5.76	24.34	359.2	.036
30	16.50	33.342	5.76	-	-	-	355.7	20	16.63	33.343	5.75	24.35	358.5	.072
55	15.46	33.347	6.05	-	-	-	333.0	30	16.50	33.342	5.76	24.38	355.7	.108
64	15.44	33.402	6.03	-	-	-	328.6	50	15.65	33.346	6.00	24.58	337.1	.177
73	14.04	33.265	6.27	-	-	-	310.0	75	13.80	33.249	6.28	24.90	306.5	.258
88	12.67	33.207	6.15	-	-	-	288.1	100	12.15	33.214	5.88	25.19	278.2	.332
103	12.06	33.219	5.78	-	-	-	276.1	125	11.01	33.466	4.70	25.60	239.5	.397
127	10.91	33.493	4.60	-	-	-	235.8	150	9.97	33.689	3.85	25.95	205.9	.453
146	10.10	33.649	4.02	-	-	-	210.9	200	8.99	33.981	2.82	26.34	169.1	.549
170	9.46	33.870	3.11	-	-	-	184.4	250	8.34	34.055	2.45	26.50	153.9	.632
198	9.02	33.977	2.83	-	-	-	169.8	300	7.87	34.122	1.75	26.62	142.3	.708
226	8.66	34.017	2.70	-	-	-	161.4	400	6.92	34.217	.88	26.83	122.4	.846
265	8.16	34.079	2.25	-	-	-	149.6	500	6.11	34.264	.55	26.98	108.7	.968
321	7.72	34.145	1.46	-	-	-	138.5							
394	6.98	34.215	.90	-	-	-	123.3							
465	6.36	34.244	.67	-	-	-	113.2							
544	5.86	34.296	.40	-	-	-	103.3							
90.90					CALCOFI CRUISE 6607								90.90	
DAVID STARR JORDAN, JULY 23 1966, 0729 GMT, 31 24N 122 01W, SOUNDING 2150 FM, WIND 330 FORCE 1, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 04.														
2	16.76	33.354	5.78	-	-	-	360.6	0	16.76	33.354	5.78	24.33	360.6	0
13	16.74	33.343	5.79	-	-	-	360.9	10	16.75	33.345	5.79	24.32	361.0	.036
32	16.56	33.341	5.80	-	-	-	357.1	20	16.69	33.342	5.79	24.34	359.9	.072
50	16.33K	33.33 G	-	-	-	-	352.9	30	16.58	33.341	5.80	24.36	357.6	.108
58	15.65	33.282	6.02	-	-	-	341.8	50	16.33	33.330	5.93	24.41	352.9	.179
67	13.31	33.177	6.46	-	-	-	302.3	75	12.74	33.206	6.50	25.07	289.5	.260
76	12.68	33.213	6.50	-	-	-	287.8	100	11.40	33.305	5.31	25.40	258.1	.329
92	11.80	33.275	5.69	-	-	-	267.3	125	10.05	33.587	4.11	25.86	214.8	.389
107	11.06	33.345	4.98	-	-	-	249.3	150	9.35	33.809	3.62	26.15	187.2	.440
131	9.76	33.673	3.87	-	-	-	203.7	200	8.49	33.983	3.12	26.42	161.4	.529
152	9.32	33.819	3.60	-	-	-	186.1	250	7.75	34.043	2.32	26.58	146.5	.607
176	8.91	33.921	3.40	-	-	-	172.3	300	7.18	34.085	1.76	26.69	135.6	.680
205	8.40	33.992	3.05	-	-	-	159.5	400	6.07	34.136	1.04	26.88	117.8	.812
235	7.92	34.025	2.52	-	-	-	150.2	500	5.48	34.208	.65	27.01	105.4	.929
275	7.50	34.069	2.03	-	-	-	141.1							
333	6.76	34.101	1.46	-	-	-	129.0							
408	6.00	34.140	1.00	-	-	-	116.6							
482	5.54	34.188	.72	-	-	-	107.6							
562	5.43	34.302	.42	-	-	-	97.8							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PO4	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
90.100					CALCOFI CRUISE 6607								90.100	

DAVID STARR JORDAN, JULY 23 1966, 0311 GMT, 31 05N 122 39W, SOUNDING 2000 FM, WIND 280 FORCE 5, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 06.

1	17.72	33.404	5.84	-	-	-	378.6	0	17.72	33.404	5.64	24.14	378.6	0
10	17.47K	33.39 G	-	-	-	-	373.9	10	17.47	33.390	5.67	24.19	373.9	.038
11	17.46	33.390	5.88	-	-	-	373.7	20	17.37	33.390	5.86	24.21	371.6	.075
20	17.37K	33.39 G	-	-	-	-	371.6	30	15.85	33.332	6.07	24.52	342.4	.111
32	15.52	33.321	6.12	-	-	-	336.2	50	13.85	33.201	6.29	24.85	311.1	.176
42	14.94	33.324	6.23	-	-	-	323.9	75	12.00	33.175	5.92	25.19	278.2	.250
57	12.89	33.095	6.28	-	-	-	300.4	100	10.94	33.388	4.86	25.55	244.1	.316
71	12.16	33.150	6.04	-	-	-	282.9	125	9.97	33.609	3.93	25.89	211.9	.374
96	11.16	33.347	5.08	-	-	-	250.9	150	9.42	33.786	3.42	26.12	190.1	.425
115	10.20	33.538	4.13	-	-	-	220.8	200	8.44	33.983	2.91	26.43	160.7	.514
135	9.81	33.673	3.80	-	-	-	204.5	250	7.71	34.040	2.27	26.58	146.1	.593
154	9.32	33.814	3.32	-	-	-	186.4	300	7.17	34.080	1.73	26.69	135.8	.665
184	8.74	33.945	3.05	-	-	-	167.9	400	6.39	34.189	.81	26.88	117.7	.797
216	8.16	34.007	2.74	-	-	-	154.9	500	5.80	34.293	.40	27.04	102.8	.913
246	7.76	34.037	2.32	-	-	-	147.1	600	5.27	34.347	.32	27.15	92.6	1.018
294	7.22	34.075	1.80	-	-	-	136.9							
346	6.80	34.126	1.23	-	-	-	127.6							
429	6.19	34.223	.64	-	-	-	112.7							
511	5.74	34.301	.38	-	-	-	101.5							
594	5.30	34.345	.32	-	-	-	93.1							

93.28					CALCOFI CRUISE 6607								93.28	

DAVID STARR JORDAN, JULY 25 1966, 0055 GMT, 32 54.5N 117 22W, SOUNDING 290 FM, WIND 290 FORCE 3, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 07.

0	21.63	33.671	5.56	-	-	-	455.6	0	21.63	33.671	5.56	23.33	455.6	0
10	15.56	33.563	7.34	-	-	-	319.3	10	15.56	33.563	7.34	24.76	319.3	.039
30	11.39	33.610	4.22	-	-	-	235.4	20	12.56	33.564	6.13	25.39	259.9	.068
45	10.86	33.654	4.02	-	-	-	223.1	30	11.39	33.610	4.22	25.64	235.4	.093
55	10.57	33.708	3.79	-	-	-	214.3	50	10.71	33.680	3.91	25.82	218.6	.138
68	10.32	33.774	3.49	-	-	-	205.3	75	10.26	33.790	3.43	25.98	203.2	.191
83	10.22	33.800	3.39	-	-	-	201.7	100	10.07	33.824	3.31	26.04	197.5	.242
97	10.08	33.820	3.32	-	-	-	198.0	125	9.98	33.858	3.22	26.08	193.5	.291
121	10.00	33.851	3.24	-	-	-	194.4	150	9.85	33.909	3.04	26.15	187.8	.340
142	9.88	33.890	3.11	-	-	-	189.6	200	9.37	34.048	2.68	26.33	169.9	.431
172	9.74	33.986	2.84	-	-	-	181.7	250	8.76	34.180	1.86	26.53	150.8	.513
200	9.37	34.048	2.68	-	-	-	169.9	300	8.10	34.210	1.47	26.66	139.0	.588
229	9.02	34.162	2.07	-	-	-	156.0	400	7.32	34.270	.84	26.82	123.7	.725
269	8.52	34.194	1.74	-	-	-	146.2	500	6.64	34.299	.52	26.94	112.6	.850
326	7.80	34.224	1.25	-	-	-	133.7							
381	7.52	34.269	.90	-	-	-	126.5							
440	6.98	34.273	.71	-	-	-	119.0							
499	6.64	34.298	.52	-	-	-	112.7							

93.30					CALCOFI CRUISE 6607								93.30	

DAVID STARR JORDAN, JULY 25 1966, 2044 GMT, 32 50.5N 117 31W, SOUNDING 480 FM, WIND 200 FORCE 2, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 10.

1	21.04	33.653	5.57	-	-	-	441.6	0	21.04	33.653	5.57	23.48	441.6	0
11	16.77	33.545	6.40	-	-	-	346.9	10	17.12	33.553	6.34	24.40	354.1	.040
31	13.42	33.497	6.58	-	-	-	280.9	20	14.78	33.513	6.75	24.89	306.7	.073
40	12.20	33.523	5.24	-	-	-	256.2	30	13.49	33.497	6.62	25.15	282.3	.102
55	11.60	33.561	4.47	-	-	-	242.7	50	11.72	33.543	4.63	25.53	246.1	.155
69	10.78	33.695	3.69	-	-	-	218.7	75	10.52	33.733	3.70	25.89	211.6	.213
93	9.95	33.806	3.94	-	-	-	196.9	100	9.79	33.821	3.79	26.09	193.3	.264
112	9.56	33.844	3.50	-	-	-	187.9	125	9.32	33.891	3.49	26.22	180.7	.311
132	9.20	33.916	3.48	-	-	-	177.0	150	8.97	33.954	3.37	26.33	170.7	.356
151	8.96	33.956	3.36	-	-	-	170.4	200	8.82	34.080	2.64	26.45	159.1	.440
181	8.93	34.030	2.97	-	-	-	164.5	250	8.49	34.180	1.80	26.58	146.9	.519
213	8.73	34.113	2.40	-	-	-	155.3	300	8.13	34.230	1.33	26.67	138.0	.592
242	8.56	34.171	1.90	-	-	-	148.5	400	7.38	34.266	.53	26.81	124.9	.729
291	8.17	34.217	1.41	-	-	-	139.4	500	6.64	34.285	.60	26.93	113.7	.856
343	7.94	34.280	.99	-	-	-	131.5	600	5.90	34.336	.34	27.06	100.8	.970
427	7.10	34.252	.39	-	-	-	122.1							
509	6.58	34.287	.60	-	-	-	112.6							
593	5.96	34.332	.38	-	-	-	101.8							

	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
93.40					CALCOFI CRUISE 6607								93.40	
DAVID STARR JORDAN, JULY 26 1966, 0240 GMT, 32 30N 118 11.5W, SOUNDING 950 FM, WIND 250 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 03.														
0	18.63	33.624	5.53	-	-	-	383.9	0	18.63	33.624	5.53	24.08	383.9	0
11	17.88	33.608	5.76	-	-	-	367.5	10	17.99	33.611	5.74	24.23	369.9	.038
31	13.76	33.502	6.40	-	-	-	287.1	20	16.06	33.556	6.17	24.64	330.5	.073
41	12.84	33.513	5.85	-	-	-	268.7	30	13.97	33.506	6.39	25.06	291.0	.104
56	11.44	33.633	4.04	-	-	-	234.6	50	11.98	33.578	4.76	25.51	248.1	.158
70	10.52	33.741	3.53	-	-	-	211.0	75	10.33	33.765	3.47	25.95	206.1	.215
94	9.94	33.838	3.36	-	-	-	194.4	100	9.87	33.867	3.23	26.11	191.2	.265
115	9.73	33.940	2.92	-	-	-	183.5	125	9.58	33.987	2.83	26.25	177.6	.312
135	9.38	34.026	2.77	-	-	-	171.6	150	8.96	34.057	2.66	26.41	163.0	.355
155	8.84	34.063	2.62	-	-	-	160.7	200	8.66	34.125	2.13	26.51	153.4	.436
183	8.78	34.095	2.36	-	-	-	157.4	250	8.23	34.173	1.69	26.61	143.6	.512
218	8.50	34.154	1.90	-	-	-	148.9	300	8.01	34.223	1.30	26.68	136.8	.585
246	8.25	34.168	1.72	-	-	-	144.2	400	7.00	34.253	.78	26.85	120.7	.719
296	8.06	34.223	1.32	-	-	-	137.4	500	6.26	34.304	.42	26.99	107.6	.840
349	7.40	34.217	1.08	-	-	-	128.7	600	5.67	34.351	.32	27.10	96.9	.949
434	6.78	34.282	.59	-	-	-	115.7							
518	6.14	34.311	.39	-	-	-	105.5							
602	5.66	34.352	.32	-	-	-	96.7							
93.50					CALCOFI CRUISE 6607								93.50	
DAVID STARR JORDAN, JULY 26 1966, 0747 GMT, 32 10N 118 52.5W, SOUNDING 750 FM, WIND 320 FORCE 2, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 00.														
1	17.42	33.585	5.57	-	-	-	358.6	0	17.42	33.585	5.57	24.35	358.6	0
11	17.38	33.581	5.74	-	-	-	358.0	10	17.41	33.582	5.73	24.35	358.5	.036
32	15.76	33.540	5.91	-	-	-	325.3	20	16.86	33.567	5.91	24.47	347.3	.071
42	12.87	33.460	5.50	-	-	-	273.2	30	16.09	33.549	5.93	24.63	331.7	.105
57	12.22	33.469	5.03	-	-	-	260.5	50	12.54	33.455	5.27	25.31	267.4	.165
71	11.18	33.608	4.07	-	-	-	231.9	75	10.93	33.661	3.86	25.77	223.7	.227
91	10.14	33.853	3.27	-	-	-	196.5	100	9.93	33.890	3.10	26.12	190.5	.279
116	9.75	33.926	2.91	-	-	-	184.8	125	9.67	33.981	2.74	26.23	179.4	.326
135	9.55	34.036	2.60	-	-	-	173.5	150	9.18	34.041	2.65	26.36	167.4	.370
155	9.05	34.044	2.67	-	-	-	165.2	200	8.54	34.127	2.06	26.53	151.4	.452
185	8.71	34.103	2.26	-	-	-	155.8	250	8.00	34.177	1.49	26.65	140.0	.526
219	8.32	34.151	1.83	-	-	-	146.5	300	7.47	34.203	1.21	26.75	130.8	.596
249	8.01	34.176	1.50	-	-	-	140.2	400	6.72	34.256	.70	26.89	116.8	.726
298	7.49	34.201	1.22	-	-	-	131.1	500	6.05	34.307	.44	27.02	104.7	.843
352	7.09	34.242	.87	-	-	-	122.7	600	5.62	34.352	.36	27.11	96.2	.950
437	6.44	34.265	.62	-	-	-	112.7							
521	5.94	34.319	.40	-	-	-	102.5							
605	5.60	34.354	.36	-	-	-	95.9							
93.60					CALCOFI CRUISE 6607								93.60	
DAVID STARR JORDAN, JULY 26 1966, 1301 GMT, 31 50N 119 34W, SOUNDING 1700 FM, WIND 320 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 10.														
0	16.98	33.695	5.79	-	-	-	340.6	0	16.98	33.695	5.79	24.54	340.6	0
11	16.96	33.691	5.58	-	-	-	340.5	10	16.96	33.691	5.59	24.54	340.5	.034
29	15.35	33.687	5.49	-	-	-	305.8	20	16.36	33.689	5.52	24.68	327.3	.068
39	13.90	33.573	5.14	-	-	-	284.7	30	15.22	33.676	5.46	24.92	304.0	.099
53	11.30	33.525	4.40	-	-	-	240.1	50	11.80	33.529	4.56	25.50	248.6	.155
67	10.65	33.601	3.94	-	-	-	223.5	75	10.21	33.680	3.70	25.91	210.5	.212
91	9.50	33.810	3.28	-	-	-	189.5	100	9.39	33.801	3.04	26.14	188.5	.263
110	9.34	33.792	2.84	-	-	-	188.4	125	9.09	33.911	2.81	26.27	175.7	.309
131	8.99	33.965	2.8	-	-	-	170.2	150	8.80	34.016	2.50	26.40	163.6	.352
150	8.80	34.016	2.50	-	-	-	163.6	200	8.19	34.108	2.03	26.57	147.8	.431
179	8.42	34.075	2.31	-	-	-	153.6	250	7.81	34.155	1.48	26.66	138.9	.505
212	8.08	34.124	1.86	-	-	-	145.1	300	7.09	34.167	1.26	26.77	128.4	.574
241	7.93	34.154	1.52	-	-	-	140.7	400	6.40	34.254	.58	26.93	113.1	.700
290	7.20	34.159	1.35	-	-	-	130.4	500	5.96	34.311	.46	27.04	103.3	.814
344	6.72	34.210	.84	-	-	-	120.3	600	5.40	34.363	.21	27.15	92.9	.919
424	6.30	34.270	.53	-	-	-	110.6							
507	5.92	34.315	.45	-	-	-	102.6							
590	5.46	34.358	.24	-	-	-	94.0							

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
93.70					CALCOFI CRUISE 6607								93.70	

DAVID STARR JORDAN, JULY 26 1966, 1906 GMT, 31 30N 120 14W, SOUNDING 2100 FM, WIND 310 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 05.

1	16.78	33.676	5.73	-	-	-	337.5	0	16.78	33.676	5.73	24.57	337.5	0
10	16.66	33.674	5.76	-	-	-	335.0	10	16.66	33.674	5.76	24.60	335.0	.034
30	15.88	33.685	5.68	-	-	-	317.2	20	16.42	33.685	5.73	24.66	328.9	.067
60	11.62	33.495	4.74	-	-	-	247.9	30	15.88	33.685	5.68	24.78	317.2	.099
69	11.12	33.542	4.37	-	-	-	235.8	50	13.02	33.542	5.13	25.28	270.0	.158
84	10.32	33.661	3.66	-	-	-	213.6	75	10.78	33.587	4.07	25.74	226.7	.221
100	9.80	33.776	3.25	-	-	-	196.7	100	9.80	33.776	3.25	26.05	196.7	.274
114	9.52	33.863	2.76	-	-	-	185.9	125	9.34	33.914	2.75	26.23	179.4	.322
140	9.14	33.964	2.74	-	-	-	172.5	150	9.03	33.987	2.70	26.34	169.1	.366
160	8.90	34.005	2.66	-	-	-	165.9	200	8.04	34.058	2.34	26.55	149.3	.447
189	8.24	34.040	2.56	-	-	-	153.6	250	7.57	34.138	1.58	26.68	136.9	.520
216	7.80	34.086	1.98	-	-	-	144.0	300	7.15	34.176	1.18	26.77	128.4	.589
246	7.60	34.135	1.61	-	-	-	137.6	400	6.45	34.293	.45	26.96	110.7	.714
295	7.18	34.169	1.23	-	-	-	129.4	500	5.90	34.339	.29	27.07	100.5	.825
347	6.84	34.243	.70	-	-	-	119.4	600	5.47	34.370	.28	27.14	93.2	.929
430	6.24	34.312	.38	-	-	-	106.7							
513	5.84	34.344	.28	-	-	-	99.5							
597	5.48	34.369	.28	-	-	-	93.4							

93.80					CALCOFI CRUISE 6607								93.80	

DAVID STARR JORDAN, JULY 27 1966, 0107 GMT, 31 10N 120 54.5W, SOUNDING 2150 FM, WIND 340 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 10.

0	17.00	33.487	5.80	-	-	-	356.2	0	17.00	33.487	5.80	24.37	356.2	0
10	17.00	33.507	5.80	-	-	-	354.8	10	17.00	33.507	5.80	24.39	354.8	.036
20	16.31K	33.61 G	-	-	-	-	332.0	20	16.31	33.610	5.79	24.63	332.0	.070
29	16.15	33.609	5.77	-	-	-	328.6	30	16.12	33.606	5.75	24.67	328.1	.103
39	15.77	33.572	5.64	-	-	-	323.1	50	13.58	33.264	6.04	24.95	301.2	.166
52	13.16	33.207	6.12	-	-	-	297.2	75	11.57	33.240	5.67	25.32	265.8	.237
67	12.30	33.200	5.97	-	-	-	281.8	100	10.61	33.470	4.61	25.67	232.5	.300
75	11.57K	33.24 G	-	-	-	-	265.8	125	10.05	33.665	3.77	25.92	208.9	.356
91	10.92	33.382	-	-	-	-	244.2	150	9.41	33.877	3.14	26.19	183.1	.406
109	10.35	33.554	4.18	-	-	-	222.0	200	8.64	34.031	2.69	26.44	160.1	.493
130	9.96	33.699	3.65	-	-	-	205.0	250	8.01	34.101	2.08	26.59	145.9	.572
149	9.43	33.872	3.16	-	-	-	183.8	300	7.47	34.148	1.54	26.70	134.8	.644
178	8.98	33.975	2.86	-	-	-	169.3	400	6.58	34.228	.80	26.89	117.2	.775
211	8.48	34.052	2.59	-	-	-	156.2	500	5.99	34.295	.57	27.02	104.9	.893
239	8.14	34.089	2.21	-	-	-	148.5	600	5.40	34.367	.29	27.15	92.7	.998
288	7.60	34.136	1.68	-	-	-	137.5							
340	7.05	34.186	1.12	-	-	-	126.4							
423	6.43	34.242	.74	-	-	-	114.3							
507	5.95	34.300	.55	-	-	-	104.1							
580	5.52	34.352	.35	-	-	-	95.1							

93.90					CALCOFI CRUISE 6607								93.90	

DAVID STARR JORDAN, JULY 27 1966, 0610 GMT, 30 50N 121 34.5W, SOUNDING 2250 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 13.

2	16.09	33.398	5.65	-	-	-	387.4	0	18.08	33.398	5.65	24.05	387.4	0
10	18.08K	33.40 G	-	-	-	-	387.3	10	18.08	33.400	5.66	24.05	387.3	.039
12	18.08	33.397	5.67	-	-	-	387.5	20	17.55	33.332	5.75	24.13	380.0	.077
36	16.30	33.222	5.92	-	-	-	360.1	30	16.80	33.260	5.85	24.25	368.3	.115
45	16.18	33.252	5.96	-	-	-	355.3	50	16.08	33.250	6.06	24.41	353.3	.187
50	16.08K	33.25 G	-	-	-	-	353.3	75	12.82	33.124	6.31	25.00	297.0	.269
60	14.36	33.171	6.27	-	-	-	321.8	100	11.69	33.275	5.63	25.33	265.3	.340
73	12.95	33.122	6.32	-	-	-	299.5	125	10.53	33.516	4.33	25.72	227.8	.402
98	11.80	33.257	5.75	-	-	-	268.6	150	9.79	33.724	3.74	26.01	200.4	.456
117	10.79	33.443	4.61	-	-	-	237.5	200	8.67	33.970	3.05	26.38	165.1	.549
136	10.24	33.611	4.04	-	-	-	216.0	250	7.88	34.057	2.29	26.57	147.2	.629
165	9.34	33.827	3.49	-	-	-	185.8	300	7.26	34.099	1.70	26.69	135.7	.702
193	8.80	33.948	3.15	-	-	-	168.6	400	6.28	34.157	.99	26.87	118.7	.834
231	8.16	34.036	2.57	-	-	-	152.7	500	5.71	34.246	.57	27.02	105.2	.952
260	7.74	34.065	2.15	-	-	-	144.7	600	5.12	34.311	.42	27.14	93.6	1.058
309	7.16	34.105	1.62	-	-	-	133.9							
370	6.50	34.133	1.19	-	-	-	123.3							
465	5.90	34.216	.64	-	-	-	109.7							
551	5.40	34.284	.48	-	-	-	98.8							
626	4.96	34.324	.40	-	-	-	90.9							

97.35 CALCOFI CRUISE 6607 97.35

DAVID STARR JORDAN, JULY 28 1966, 1926 GMT, 32 09N 117 29.5W, SOUNDING 750 FM, WIND 250 FORCE 5, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 00.

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
0	20.36	33.712	5.45	-	-	-	419.9	0	20.36	33.712	5.45	23.71	419.9	0
10	18.89	33.650	5.69	-	-	-	388.2	10	18.89	33.650	5.69	24.04	388.2	.040
30	15.16	33.468	6.28	-	-	-	317.9	20	17.15	33.552	6.08	24.39	354.8	.078
40	12.95	33.448	5.94	-	-	-	275.6	30	15.16	33.468	6.28	24.78	317.9	.111
55	11.84	33.525	4.83	-	-	-	249.6	50	12.07	33.493	5.21	25.43	256.1	.169
69	10.64	33.588	4.25	-	-	-	224.3	75	10.42	33.646	4.00	25.84	216.4	.228
93	10.08	33.813	3.44	-	-	-	198.5	100	9.87	33.836	3.40	26.09	193.3	.280
113	9.48	33.867	3.35	-	-	-	185.0	125	9.19	33.923	3.40	26.27	176.3	.327
133	9.05	33.965	3.40	-	-	-	171.1	150	8.99	34.045	2.99	26.39	164.3	.370
154	8.99	34.065	2.88	-	-	-	162.8	200	8.93	34.190	2.49	26.52	152.6	.451
182	9.45	34.253	2.61	-	-	-	155.9	250	9.13	34.359	1.01	26.62	143.0	.527
217	8.46	34.133	2.23	-	-	-	149.9	300	8.64	34.366	.74	26.70	135.3	.599
246	9.12	34.348	1.08	-	-	-	143.8	400	7.36	34.294	.72	26.83	122.4	.734
296	8.69	34.369	.74	-	-	-	135.7	500	6.52	34.321	.53	26.97	109.5	.857
349	8.03	34.321	.80	-	-	-	129.7	600	5.94	34.345	.36	27.06	100.6	.969
433	6.97	34.289	.64	-	-	-	117.6							
516	6.42	34.327	.50	-	-	-	107.8							
600	5.94	34.345	.36	-	-	-	100.6							

97.40 CALCOFI CRUISE 6607 97.40

DAVID STARR JORDAN, JULY 28 1966, 1621 GMT, 31 56N 117 48W, SOUNDING 750 FM, WIND 290 FORCE 2, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 12.

0	20.12	33.688	5.92	-	-	-	415.6	0	20.12	33.688	5.92	23.75	415.6	0
9	17.33	33.552	6.14	-	-	-	358.9	10	17.05	33.540	6.25	24.40	353.5	.038
27	13.36	33.471	6.90	-	-	-	281.7	20	14.64	33.471	6.89	24.89	306.9	.072
36	12.26	33.536	5.29	-	-	-	256.3	30	12.95	33.488	6.39	25.25	272.5	.101
48	11.22	33.631	4.40	-	-	-	230.9	50	11.07	33.649	4.28	25.73	227.0	.151
61	10.38	33.746	3.73	-	-	-	208.3	75	10.01	33.841	3.37	26.07	195.3	.204
83	9.92	33.883	2.35U	-	-	-	190.7	100	9.62	33.944	3.25	26.21	181.5	.251
101	9.60	33.946	3.25	-	-	-	181.0	125	9.08	33.970	3.36	26.32	171.1	.296
118	9.21	33.958	3.37	-	-	-	174.1	150	8.61	34.001	3.26	26.42	161.8	.338
135	8.90	33.989	3.32	-	-	-	167.1	200	9.00	34.267	1.69	26.57	147.9	.417
162	8.48	34.026	3.21	-	-	-	158.1	250	8.52	34.300	1.32	26.67	138.4	.491
190	8.98	34.234	1.85	-	-	-	150.1	300	7.84	34.283	1.21	26.76	129.8	.560
217	8.94	34.295	1.58	-	-	-	145.0	400	7.11	34.310	.66	26.88	117.9	.690
260	8.36	34.294	1.26	-	-	-	136.5	500	6.30	34.323	.41	27.00	106.6	.809
307	7.76	34.282	1.20	-	-	-	128.8	600	6.10	34.367	.37	27.06	100.9	.920
385	7.28	34.309	.72	-	-	-	120.3							
464	6.52	34.314	.46	-	-	-	110.0							
548	6.13	34.340	.40	-	-	-	103.2							

97.50 CALCOFI CRUISE 6607 97.50

DAVID STARR JORDAN, JULY 28 1966, 0912 GMT, 31 36N 118 30.5W, SOUNDING 290, WIND 290 FORCE 3, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 06.

1	19.09	33.728	5.58	-	-	-	387.4	0	19.09	33.728	5.58	24.05	387.4	0
10	19.10K	33.72 G	-	-	-	-	388.2	10	19.10	33.720	5.50	24.04	388.2	.039
11	19.10	33.721	5.50	-	-	-	388.1	20	18.43	33.700	5.96	24.19	373.6	.077
20	18.43K	33.70 G	-	-	-	-	373.6	30	14.16	33.630	6.02	25.12	285.6	.110
31	13.70	33.624	6.00	-	-	-	277.0	50	10.97	33.681	3.88	25.77	223.0	.161
41	12.06	33.643	4.51	-	-	-	244.8	75	10.11	33.806	3.41	26.02	199.6	.214
56	10.48	33.711	3.70	-	-	-	212.6	100	9.73	33.918	3.01	26.17	185.1	.263
70	10.20	33.781	3.50	-	-	-	202.8	125	9.35	33.990	2.89	26.29	173.8	.308
94	9.82	33.894	3.10	-	-	-	188.3	150	8.79	34.030	2.89	26.41	162.4	.351
114	9.52	33.966	2.88	-	-	-	178.3	200	8.13	34.081	2.38	26.55	148.9	.430
133	9.21	34.004	2.92	-	-	-	170.7	250	7.69	34.146	1.62	26.67	138.0	.504
153	8.72	34.034	2.88	-	-	-	161.0	300	7.53	34.229	1.03	26.76	129.6	.573
183	8.34	34.058	2.61	-	-	-	153.7	400	6.60	34.274	.57	26.92	114.0	.700
216	7.95	34.105	2.13	-	-	-	144.6	500	5.94	34.324	.33	27.05	102.2	.814
246	7.71	34.139	1.68	-	-	-	138.8	600	5.35	34.419	.32	27.20	88.1	.917
295	7.58	34.225	1.07	-	-	-	130.6							
347	6.98	34.247	.76	-	-	-	120.9							
433	6.41	34.292	.49	-	-	-	110.3							
516	5.84	34.335	.31	-	-	-	100.1							
601	5.34	34.420	.32	-	-	-	88.0							

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHOS	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
97.60						CALCOFI CRUISE 6607							97.60	
DAVID STARR JORDAN, JULY 27 1966, 0326 GMT, 31 14.5N 119 12.5W, SOUNDING 1950 FM, WIND 310 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 16.														
1	17.23	33.500	5.72	-	-	-	360.5	0	17.23	33.500	5.72	24.33	360.5	0
11	17.24	33.502	5.77	-	-	-	360.5	10	17.25	33.502	5.77	24.33	360.7	.036
30	16.78	33.494	5.84	-	-	-	350.8	20	17.14	33.499	5.80	24.35	358.5	.072
60	13.49	33.366	6.23	-	-	-	290.1	30	16.78	33.494	5.84	24.43	350.8	.108
88	12.94	33.426	5.73	-	-	-	277.0	50	14.56	33.386	6.28	24.84	311.6	.174
83	11.86	33.369	4.91	-	-	-	246.7	75	12.43	33.489	5.11	25.36	262.8	.246
98	11.21	33.727	3.47	-	-	-	223.7	100	11.12	33.747	3.39	25.80	220.7	.307
112	10.65	33.851	3.07	-	-	-	205.0	125	10.33	33.919	2.89	26.07	194.7	.360
137	10.15	33.964	2.78	-	-	-	188.5	150	10.03	34.013	2.60	26.20	182.8	.408
154	10.00	34.027	2.54	-	-	-	181.4	200	9.30	34.128	2.04	26.41	162.9	.496
185	9.74	34.109	2.14	-	-	-	171.2	250	8.49	34.144	1.86	26.55	149.5	.576
215	8.67	34.138	1.79	-	-	-	155.6	300	7.68	34.179	1.36	26.70	135.3	.650
242	8.62	34.140	1.93	-	-	-	151.7	400	6.67	34.234	.62	26.88	118.0	.782
292	7.78	34.174	1.43	-	-	-	137.1	500	5.94	34.296	.39	27.03	104.3	.899
343	7.21	34.205	1.04	-	-	-	127.1	600	5.36	34.373	.29	27.16	91.7	1.004
426	6.46	34.247	.47	-	-	-	114.3							
510	5.88	34.303	.38	-	-	-	103.0							
592	5.40	34.366	.48	-	-	-	92.7							
97.70						CALCOFI CRUISE 6607							97.70	
DAVID STARR JORDAN, JULY 27 1966, 2049 GMT, 30 52.5N 119 51W, SOUNDING 2000 FM, WIND 310 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 10.														
2	17.39	33.447	5.63	-	-	-	368.0	0	17.39	33.447	5.63	24.25	368.0	0
12	17.37	33.449	5.73	-	-	-	366.2	10	17.33	33.449	5.71	24.27	366.6	.037
20	16.53K	33.57 G	-	-	-	-	339.7	20	16.53	33.570	5.77	24.55	339.7	.072
30	16.42K	33.60 G	-	-	-	-	335.1	30	16.42	33.600	5.80	24.60	335.1	.106
31	16.42	33.610	5.81	-	-	-	334.4	50	14.67	33.405	5.96	24.83	312.5	.171
41	15.56	33.462	5.97	-	-	-	326.7	75	12.13	33.275	5.77	25.25	273.2	.245
56	14.04	33.379	5.93	-	-	-	301.7	100	10.91	33.498	4.60	25.64	235.4	.309
70	12.50	33.263	5.92	-	-	-	280.8	125	10.04	33.731	3.70	25.98	203.9	.364
94	11.14	33.431	4.93	-	-	-	244.3	150	9.72	33.916	3.04	26.17	185.1	.413
114	10.44	33.652	3.92	-	-	-	216.3	200	8.50	34.035	2.71	26.46	157.7	.501
133	9.81	33.782	3.58	-	-	-	196.5	250	7.96	34.139	1.86	26.63	142.2	.578
153	9.69	33.937	2.95	-	-	-	183.1	300	7.37	34.189	1.29	26.75	130.4	.648
183	8.77	33.993	2.95	-	-	-	164.8	400	6.37	34.236	.70	26.92	114.0	.775
216	8.32	34.074	2.41	-	-	-	152.2	500	5.89	34.310	.40	27.04	102.5	.890
246	8.00	34.133	1.92	-	-	-	143.3	600	5.40	34.359	.36	27.14	93.3	.995
295	7.44	34.187	1.33	-	-	-	131.5							
348	6.71	34.196	.97	-	-	-	121.2							
432	6.24	34.265	.57	-	-	-	110.2							
517	5.80	34.320	.38	-	-	-	100.8							
601	5.40	34.359	.38	-	-	-	93.2							
97.80						CALCOFI CRUISE 6607							97.80	
DAVID STARR JORDAN, JULY 27 1966, 1525 GMT, 30 35N 120 31W, SOUNDING 2100 FM, WIND 330 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 03.														
0	18.00	33.373	5.71	-	-	-	387.4	0	18.00	33.373	5.71	24.05	387.4	0
10	18.00	33.360	5.78	-	-	-	388.3	10	18.00	33.360	5.78	24.04	388.3	.039
30	17.48	33.341	5.84	-	-	-	377.7	20	17.76	33.346	5.81	24.09	383.7	.077
40	17.38	33.354	5.89	-	-	-	374.5	30	17.48	33.341	5.84	24.15	377.7	.116
55	15.70	33.266	6.12	-	-	-	344.0	50	16.38	33.306	6.04	24.38	355.6	.189
69	13.92	33.120	6.29	-	-	-	318.3	75	13.86	33.168	6.29	24.82	313.6	.273
94	13.66	33.428	6.18	-	-	-	290.6	100	13.46	33.482	5.95	25.15	282.7	.348
113	12.78	33.555	5.40	-	-	-	264.5	125	11.70	33.524	5.09	25.52	247.2	.415
134	10.90	33.502	4.90	-	-	-	235.0	150	10.21	33.617	4.56	25.86	215.1	.474
153	10.12	33.645	4.50	-	-	-	211.6	200	8.90	33.923	3.74	26.31	171.9	.572
183	9.25	33.947	3.79	-	-	-	182.9	250	8.08	34.015	3.17	26.51	153.2	.656
216	8.62	33.972	3.70	-	-	-	164.2	300	7.49	34.085	2.14	26.65	139.7	.731
247	8.12	34.010	3.24	-	-	-	154.1	400	6.46	34.161	1.14	26.85	120.6	.866
295	7.56	34.080	2.21	-	-	-	141.1	500	5.81	34.242	.61	27.00	106.7	.986
348	6.84	34.127	1.60	-	-	-	128.0	600	5.33	34.321	.46	27.12	95.3	1.094
433	6.28	34.187	.92	-	-	-	116.9	700	4.73	34.405	.15	27.26	82.4	1.190
518	5.70	34.257	.56	-	-	-	104.3							
602	5.32	34.322	.46	-	-	-	95.1							

97.90 CALCOFI CRUISE 6607 97.90

DAVID STARR JORDAN, JULY 27 1966, 1042 GMT, 30 15N 121 10W, SOUNDING 2100 FM, WIND 340 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 07.

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
0	18.58	33.55 G	5.60	-	-	-	388.1	0	18.58	33.550	5.60	24.04	388.1	0
10	18.56	33.552	5.62	-	-	-	387.5	10	18.56	33.552	5.62	24.05	387.5	.039
30	17.91	33.508	5.66	-	-	-	375.4	20	18.24	33.531	5.64	24.11	381.5	.077
40	17.84	33.504	5.71	-	-	-	374.1	30	17.91	33.508	5.66	24.17	375.4	.115
55	16.28	33.498	6.06	-	-	-	339.5	50	16.87	33.502	5.94	24.42	352.2	.188
69	15.30	33.463	6.10	-	-	-	321.2	75	15.08	33.463	6.08	24.79	316.5	.272
93	14.40	33.479	5.97	-	-	-	301.5	100	13.89	33.481	5.84	25.06	291.2	.349
113	12.86	33.483	5.54	-	-	-	271.3	125	12.05	33.488	5.29	25.43	256.1	.418
132	11.62	33.502	5.14	-	-	-	247.4	150	10.63	33.614	4.70	25.78	222.2	.478
152	10.53	33.629	4.65	-	-	-	219.4	200	8.98	33.894	3.80	26.28	175.3	.580
181	9.38	33.806	3.91	-	-	-	187.9	250	8.28	33.994	3.39	26.46	157.5	.665
214	8.78	33.942	3.72	-	-	-	168.8	300	7.33	34.023	2.69	26.62	142.3	.742
243	8.40	33.987	3.48	-	-	-	159.8	400	6.06	34.095	1.41	26.85	120.7	.879
291	7.50	34.020	2.79	-	-	-	144.8	500	5.52	34.212	.62	27.01	105.6	.997
343	6.63	34.031	2.21	-	-	-	132.5	600	5.37	34.341	.31	27.13	94.2	1.104
426	5.89	34.131	1.07	-	-	-	116.0							
506	5.50	34.219	.59	-	-	-	104.8							
589	5.38	34.326	.33	-	-	-	95.5							

100.30 CALCOFI CRUISE 6607 100.30

ALEXANDER AGASSIZ, JULY 10 1966, 1903 GMT, 31 40.5N 116 46.5W, SOUNDING 230 FM, WIND 330 FORCE 4, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 23.

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
0	18.19	33.619	6.06	-	-	-	373.9	0	18.19	33.619	6.06	24.19	373.9	0
9	16.82	33.619	5.79	-	-	-	342.6	10	16.57	33.616	5.75	24.57	337.3	.036
20	14.12K	33.59 G	-	-	-	-	287.8	20	14.12	33.590	5.35	25.09	287.8	.067
27	13.08	33.591	5.03	-	-	-	267.5	30	12.69	33.591	4.88	25.38	260.2	.094
40	11.70	33.593	4.39	-	-	-	242.1	50	11.19	33.620	3.98	25.69	231.3	.144
49	11.26	33.614	4.00	-	-	-	232.9	75	10.28	33.773	3.58	25.97	204.7	.198
62	10.45	33.699	3.86	-	-	-	212.9	100	9.95	33.868	3.20	26.10	192.3	.249
75	10.28	33.773	3.58	-	-	-	204.7	125	9.79	33.918	3.02	26.16	186.0	.296
89	10.00	33.841	3.29	-	-	-	195.1	150	9.58	33.966	2.86	26.23	179.3	.343
111	9.90	33.887	3.15	-	-	-	190.1	200	9.27	34.114	2.27	26.40	163.4	.430
128	9.76	33.925	2.99	-	-	-	185.1	250	8.86	34.213	1.56	26.54	149.9	.511
153	9.56	33.972	2.84	-	-	-	178.4	300	8.32	34.240	1.25	26.65	139.9	.586
178	9.41	34.055	2.35	-	-	-	170.0							
207	9.22	34.130	2.23	-	-	-	161.5							
254	8.82	34.218	1.49	-	-	-	148.9							
304	8.28	34.242	1.23	-	-	-	139.2							
360	7.84	34.278	.81	-	-	-	130.2							

100.35 CALCOFI CRUISE 6607 100.35

ALEXANDER AGASSIZ, JULY 10 1966, 2205 GMT, 31 30.5N 117 06W, SOUNDING 670 FM, WIND 310 FORCE 5, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 26.

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
1	18.85	33.538	5.51	-	-	-	395.4	0	18.85	33.538	5.51	23.96	395.4	0
10	18.83	33.536	5.51	-	-	-	395.1	10	18.83	33.536	5.51	23.97	395.1	.040
20	18.68K	33.53 G	-	-	-	-	391.9	20	18.68	33.530	5.56	24.00	391.9	.079
32	17.68	33.519	5.72	-	-	-	369.3	30	17.95	33.524	5.68	24.18	375.1	.117
42	15.36	33.437	5.98	-	-	-	324.3	50	14.99	33.424	5.99	24.78	317.6	.187
56	14.59	33.415	5.95	-	-	-	310.0	75	12.40	33.420	5.39	25.31	267.4	.260
69	12.56	33.390	5.62	-	-	-	272.6	100	10.90	33.597	4.42	25.72	228.0	.323
75	12.40K	33.42 G	-	-	-	-	267.4	125	9.92	33.751	3.68	26.01	200.4	.377
87	11.52	33.524	-	-	-	-	244.0	150	9.24	33.890	3.48	26.23	179.6	.425
108	10.60	33.636	4.11	-	-	-	220.1	200	8.47	34.022	2.93	26.46	158.2	.511
126	9.88	33.758	3.66	-	-	-	199.3	250	7.96	34.083	2.27	26.58	146.5	.589
153	9.18	33.903	3.46	-	-	-	177.7	300	7.72	34.195	1.37	26.70	134.8	.662
179	8.78	33.981	3.24	-	-	-	165.9	400	7.01	34.287	.59	26.88	118.4	.794
214	8.28	34.041	2.72	-	-	-	154.1	500	6.20	34.330	.34	27.02	104.8	.912
241	8.02	34.062	2.44	-	-	-	148.8	600	5.67	34.364	.28	27.11	96.0	1.020
286	7.79	34.174	1.55	-	-	-	137.3							
344	7.48	34.242	.96	-	-	-	128.0							
435	6.70	34.307	.45	-	-	-	112.8							
521	6.06	34.337	.32	-	-	-	102.6							
593	5.70	34.362	.28	-	-	-	96.5							

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
100.40					CALCOFI CRUISE 6607		100.40

ALEXANDER AGASSIZ, JULY 11 1966, 0116 GMT, 31 18N 117 25W, SOUNDING 1043 FM, WIND 320 FORCE 5, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 24.

0	18.04	33.619	5.76	-	-	-	370.4
9	18.06	33.616	5.61	-	-	-	371.1
10	18.06K	33.61 G	-	-	-	-	371.5
20	18.00K	33.60 G	-	-	-	-	370.8
32	14.19	33.560	5.73	-	-	-	291.4
41	12.56	33.477	5.43	-	-	-	266.2
55	11.44	33.596	4.21	-	-	-	237.3
70	10.83	33.664	3.80	-	-	-	221.9
88	10.41	33.803	3.30	-	-	-	204.6
110	9.94	33.909	3.03	-	-	-	189.1
128	9.40	33.989	2.84	-	-	-	174.7
155	9.02	34.039	2.65	-	-	-	165.2
182	8.78	34.086	2.43	-	-	-	158.1
218	8.50	34.166	1.76	-	-	-	148.0
245	8.20	34.195	1.45	-	-	-	141.5
292	7.70	34.203	1.23	-	-	-	133.9
350	7.09	34.233	.83	-	-	-	123.4
442	6.46	34.300	.44	-	-	-	110.3
528	5.78	34.321	.42	-	-	-	100.5
601	5.48	34.350	.29	-	-	-	94.8

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
0	18.04	33.619	5.76	24.23	370.4	0
10	18.06	33.610	5.62	24.21	371.5	.037
20	18.00	33.600	5.70	24.22	370.8	.074
30	14.90	33.571	5.73	24.91	305.0	.108
50	11.71	33.539	4.65	25.53	246.3	.163
75	10.69	33.702	3.65	25.84	216.8	.222
100	10.16	33.866	3.13	26.06	195.9	.274
125	9.49	33.977	2.87	26.26	176.9	.321
150	9.07	34.033	2.68	26.37	166.3	.365
200	8.65	34.128	2.10	26.51	153.0	.446
250	8.15	34.197	1.42	26.64	140.6	.521
300	7.61	34.206	1.18	26.73	132.4	.592
400	6.73	34.271	.58	26.90	115.9	.722
500	5.96	34.313	.43	27.04	103.3	.837
600	5.48	34.350	.29	27.12	94.9	.943

100.50			CALCOFI CRUISE 6607			100.50

ALEXANDER AGASSIZ, JULY 11 1966, 0722 GMT, 31 00N 118 07W, SOUNDING 930 FM, WIND 330 FORCE 5, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 18.

0	17.78	33.596	5.95	-	-	-	366.0
10	17.80	33.591	5.78	-	-	-	366.9
20	17.70K	33.58 G	-	-	-	-	365.4
30	16.22K	33.50 G	-	-	-	-	338.1
33	16.06	33.497	5.97	-	-	-	334.8
42	14.00	33.400	6.64	-	-	-	299.3
57	12.46	33.409	5.73	-	-	-	269.3
71	11.72	33.449	5.24	-	-	-	253.1
91	10.82	33.559	4.13	-	-	-	229.4
115	9.74	33.805	3.49	-	-	-	193.6
133	9.28	33.898	3.07	-	-	-	179.6
162	8.80	33.970	3.12	-	-	-	167.0
190	8.42	34.020	2.81	-	-	-	157.7
228	8.04	34.063	2.59	-	-	-	149.0
256	7.80	34.135	1.79	-	-	-	140.3
303	7.60	34.235	1.06	-	-	-	130.1
364	6.96	34.252	.80	-	-	-	120.3
458	6.37	34.290	.55	-	-	-	109.9
544	5.90	34.326	.50	-	-	-	101.5
616	5.50	34.344	.37	-	-	-	95.5

Z	T	S	OXY	SIG*T	D*T	DD
0	17.78	33.596	5.95	24.27	366.0	0
10	17.80	33.591	5.78	24.26	366.9	.037
20	17.70	33.580	5.81	24.28	365.4	.073
30	16.22	33.500	5.86	24.57	338.1	.109
50	12.98	33.389	6.29	25.17	280.5	.171
75	11.53	33.465	5.02	25.51	248.6	.237
100	10.38	33.652	3.84	25.86	215.3	.296
125	9.46	33.864	3.23	26.18	184.9	.346
150	8.97	33.947	3.07	26.32	171.3	.391
200	8.31	34.030	2.74	26.49	155.4	.475
250	7.85	34.119	1.97	26.63	142.2	.551
300	7.61	34.230	1.09	26.75	130.6	.621
400	6.70	34.266	.68	26.90	115.9	.750
500	6.14	34.310	.54	27.01	105.7	.867
600	5.59	34.341	.41	27.10	96.7	.976

100.60			CALCOFI CRUISE 6607			100.60

ALEXANDER AGASSIZ, JULY 11 1966, 1309 GMT, 30 40.5N 118 47.5W, SOUNDING 1600 FM, WIND 340 FORCE 6, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 32.

1	17.32	33.536	5.61	-	-	-	359.9
9	17.34	33.531	5.63	-	-	-	360.7
20	17.34K	33.53 G	-	-	-	-	360.8
30	17.34K	33.53 G	-	-	-	-	360.8
31	17.34	33.531	5.65	-	-	-	360.7
39	16.84	33.514	5.78	-	-	-	350.7
50	14.74K	33.44 G	-	-	-	-	311.3
52	14.51	33.439	6.35	-	-	-	306.7
65	12.54	33.399	5.74	-	-	-	271.5
75	12.00K	33.45 G	-	-	-	-	258.0
82	11.36	33.496	4.88	-	-	-	243.3
100	10.70	33.586	4.22	-	-	-	225.4
117	10.22	33.683	3.74	-	-	-	210.4
141	9.48	33.852	3.2	-	-	-	186.1
162	9.10	33.946	2.93	-	-	-	173.3
192	8.75	34.004	2.74	-	-	-	163.7
213	8.36	34.054	2.38	-	-	-	154.3
250	7.90	34.102	1.92	-	-	-	144.2
300	7.40	34.142	1.41	-	-	-	134.3
376	6.66	34.187	.88	-	-	-	121.3
453	6.24	34.253	.50	-	-	-	111.1
518	5.84	34.311	.31	-	-	-	101.9

Z	T	S	OXY	SIG*T	D*T	DD
0	17.32	33.536	5.61	24.34	359.9	0
10	17.34	33.531	5.63	24.33	360.7	.036
20	17.34	33.530	5.64	24.33	360.8	.072
30	17.34	33.530	5.64	24.33	360.8	.108
50	14.74	33.440	6.29	24.85	311.3	.176
75	12.00	33.450	5.10	25.41	258.0	.247
100	10.70	33.586	4.22	25.75	225.4	.308
125	9.96	33.741	3.54	26.00	201.9	.362
150	9.30	33.898	3.07	26.23	179.8	.411
200	8.60	34.024	2.61	26.44	160.1	.497
250	7.90	34.102	1.92	26.60	144.2	.575
300	7.40	34.142	1.41	26.71	134.3	.647
400	6.54	34.207	.74	26.88	118.2	.779
500	5.95	34.295	.35	27.02	104.5	.896

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	O*T	Z	T	S	OXY	SIG*T	O*T	DD
100.71					CALCOFI CRUISE 6607								100.71	

ALEXANDER AGASSIZ, JULY 11 1966, 1959 GMT, 30 14.5N 119 27W, SOUNDING 2040 FM, WIND 330 FORCE 3, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 34.

1	16.64	33.349	5.75	-	-	-	358.3	0	16.64	33.349	5.75	24.35	358.3	0
9	16.68	33.349	5.74	-	-	-	359.2	10	16.68	33.349	5.74	24.34	359.1	.036
30	16.54	33.349	5.74	-	-	-	356.1	20	16.63	33.350	5.72	24.36	358.1	.072
38	16.20	33.346	5.82	-	-	-	348.9	30	16.54	33.349	5.74	24.38	356.1	.108
50	16.03	33.358	5.82	-	-	-	344.3	50	16.03	33.358	5.82	24.50	344.3	.178
63	14.98	33.321	6.15	-	-	-	324.9	75	14.02	33.331	6.16	24.91	304.8	.259
79	13.73	33.335	6.12	-	-	-	298.8	100	12.67	33.287	5.84	25.15	282.1	.333
98	12.74	33.281	5.89	-	-	-	283.9	125	11.41	33.433	4.95	25.50	248.8	.400
112	12.21	33.350	5.48	-	-	-	269.1	150	10.14	33.669	4.11	25.91	210.1	.458
132	10.96	33.488	4.66	-	-	-	237.1	200	8.94	33.931	3.44	26.31	172.1	.556
152	10.06	33.689	4.06	-	-	-	207.3	250	8.16	34.028	2.81	26.51	153.3	.639
179	9.20	33.887	3.70	-	-	-	179.2	300	7.46	34.071	2.14	26.64	140.4	.715
199	8.96	33.928	-	-	-	-	172.5	400	6.42	34.167	.86	26.86	119.8	.850
233	8.40	34.007	3.03	-	-	-	158.4	500	5.99	34.309	.52	27.03	103.9	.968
278	7.78	34.052	2.44	-	-	-	146.2							
352	6.79	34.116	1.46	-	-	-	128.2							
424	6.28	34.197	.67	-	-	-	115.8							
489	6.02	34.291	.54	-	-	-	105.6							

100.80					CALCOFI CRUISE 6607								100.80	

ALEXANDER AGASSIZ, JULY 12 1966, 0109 GMT, 30 00N 120 06.5W, SOUNDING 2160 FM, WIND 350 FORCE 5, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 23.

1	18.11	33.685	5.57	-	-	-	367.2	0	18.11	33.685	5.57	24.26	367.2	0
10	18.13	33.684	-	-	-	-	367.8	10	18.13	33.684	5.57	24.25	367.8	.037
33	17.92	33.703	5.58	-	-	-	361.5	20	18.05	33.692	5.58	24.28	365.3	.073
50	17.90K	33.70 G	-	-	-	-	361.2	30	17.95	33.700	5.58	24.31	362.4	.110
61	16.67	33.632	5.89	-	-	-	338.3	50	17.90	33.700	5.76	24.32	361.2	.183
71	15.58	33.516	5.97	-	-	-	323.2	75	15.36	33.492	6.01	24.75	320.3	.268
89	14.89	33.459	6.07	-	-	-	313.0	100	14.45	33.462	5.91	24.93	303.8	.347
101	14.40	33.462	5.89	-	-	-	302.8	125	12.79	33.425	5.37	25.24	274.2	.420
115	13.26	33.404	5.60	-	-	-	284.7	150	11.39	33.519	4.68	25.57	242.1	.485
140	12.12	33.491	4.99	-	-	-	257.1	200	9.42	33.858	3.89	26.18	184.7	.594
156	10.95	33.542	4.50	-	-	-	232.9	250	8.45	33.997	3.56	26.44	159.8	.682
182	9.89	33.777	4.14	-	-	-	198.1	300	7.64	34.027	2.87	26.58	146.1	.761
212	9.18	33.894	3.77	-	-	-	178.3	400	6.62	34.107	1.51	26.79	126.7	.902
237	8.71	33.975	3.73	-	-	-	165.3	500	5.75	34.192	.67	26.97	109.7	1.027
279	7.91	34.020	3.09	-	-	-	150.4							
333	7.30	34.037	2.54	-	-	-	140.8							
421	6.42	34.132	1.20	-	-	-	122.4							
503	5.73	34.195	.65	-	-	-	109.3							
574	5.57	34.294	.39	-	-	-	100.0							

100.90					CALCOFI CRUISE 6607								100.90	

ALEXANDER AGASSIZ, JULY 12 1966, 0616 GMT, 29 40N 120 45W, SOUNDING 2130 FM, WIND 340 FORCE 5, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 22.

0	17.43	33.403	5.63	-	-	-	372.1	0	17.43	33.403	5.63	24.21	372.1	0
9	17.47	33.402	5.64	-	-	-	373.0	10	17.47	33.402	5.64	24.20	373.1	.037
20	17.45K	33.40 G	-	-	-	-	372.7	20	17.45	33.400	5.66	24.20	372.7	.075
33	17.09	33.387	5.70	-	-	-	365.5	30	17.18	33.384	5.69	24.25	367.7	.112
50	17.00K	33.59 G	-	-	-	-	348.7	50	17.00	33.590	5.83	24.45	348.7	.184
60	16.38	33.666	5.88	-	-	-	329.5	75	16.00	33.643	5.83	24.73	322.8	.268
70	16.14	33.645	5.84	-	-	-	325.8	100	15.23	33.654	5.76	24.90	305.8	.347
88	15.60	33.648	5.79	-	-	-	314.0	125	14.08	33.765	5.20	25.24	274.2	.420
102	15.17	33.658	5.74	-	-	-	304.2	150	12.20	33.743	4.78	25.60	240.0	.486
116	14.72	33.757	5.39	-	-	-	287.7	200	10.12	33.918	3.40	26.11	191.3	.595
143	12.64	33.741	4.87	-	-	-	248.2	250	8.88	34.001	3.39	26.38	165.9	.687
162	11.54	33.748	4.56	-	-	-	227.9	300	7.69	34.040	2.68	26.59	145.9	.767
189	10.48	33.880	3.43	-	-	-	200.1	400	6.58	34.103	1.52	26.79	126.5	.909
220	9.55	33.967	3.36	-	-	-	178.7	500	5.90	34.216	.63	26.97	109.8	1.033
247	8.96	33.998	3.42	-	-	-	167.3	600	5.35	34.318	.37	27.12	95.7	1.143
292	7.82	34.037	2.77	-	-	-	147.9							
351	7.10	34.060	2.14	-	-	-	136.4							
444	6.20	34.152	1.01	-	-	-	118.1							
530	5.74	34.248	.50	-	-	-	105.5							
602	5.34	34.320	.37	-	-	-	95.5							

INPUT

Z	T	S	OXY	PHO	SIL	NIT	D*T
100.100				CALCOFI CRUISE 6607			
ALEXANDER AGASSIZ, JULY 12 1966, 1137 GMT, 29 20N 121 26W, SOUNDING 2160 FM, WIND 350 FORCE 4, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 28.							
0	17.85	33.478	5.60	-	-	-	376.2
9	17.88	33.477	5.51	-	-	-	377.0
32	17.62	33.464	5.59	-	-	-	372.0
58	15.40	33.317	6.02	-	-	-	333.9
66	14.56	33.248	6.12	-	-	-	321.7
75	14.30K	33.24 G	-	-	-	-	317.0
83	14.24	33.243	6.08	-	-	-	315.6
96	13.66	33.245	5.99	-	-	-	304.0
100	13.30K	33.25 G	-	-	-	-	296.7
106	13.22	33.258	5.87	-	-	-	294.6
132	11.98	33.445	5.12	-	-	-	258.0
148	11.14	33.587	4.66	-	-	-	232.8
172	10.24	33.713	4.26	-	-	-	208.5
199	9.50	33.859	3.64	-	-	-	185.9
222	9.31	34.014	2.79	-	-	-	171.4
264	8.40	34.033	-	-	-	-	156.4
317	7.92	34.122	1.87	-	-	-	143.0
402	6.40	34.092	1.47	-	-	-	125.1
483	5.70	34.159	.79	-	-	-	111.6
553	5.47	34.254	.41	-	-	-	101.9

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	OXY	SIG*T	D*T	DD
100.100						
0	17.85	33.478	5.60	24.16	376.2	0
10	17.87	33.477	5.51	24.16	376.9	.038
20	17.79	33.472	5.50	24.17	375.3	.075
30	17.68	33.468	5.57	24.20	373.2	.113
50	16.23	33.376	5.88	24.47	347.4	.185
75	14.30	33.240	6.13	24.79	317.0	.269
100	13.30	33.250	5.95	25.00	296.7	.346
125	12.39	33.380	5.35	25.28	270.3	.417
150	11.05	33.599	4.62	25.70	230.4	.481
200	9.49	33.867	3.60	26.17	185.2	.587
250	8.72	34.024	2.28	26.42	161.7	.675
300	8.05	34.094	2.00	26.58	146.9	.755
400	6.44	34.093	1.48	26.80	125.4	.897
500	5.61	34.179	.68	26.97	109.1	1.020

Z	T	S	OXY	PHO	SIL	NIT	D*T
103.30				CALCOFI CRUISE 6607			
ALEXANDER AGASSIZ, JULY 14 1966, 0737 GMT, 31 05.5N 116 25.5W, SOUNDING 36 FM, WIND 300 FORCE 3, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 10.							
0	12.87	33.526	5.98	-	-	-	268.3
10	12.85	33.528	5.98	-	-	-	267.8
20	12.72	33.571	5.75	-	-	-	262.2
30	11.94	33.537	5.09	-	-	-	250.5
49	10.53	33.616	4.14	-	-	-	220.4

Z	T	S	OXY	SIG*T	D*T	DD
103.30						
0	12.87	33.526	5.98	25.30	268.3	0
10	12.85	33.528	5.98	25.30	267.8	.027
20	12.72	33.571	5.75	25.36	262.2	.053
30	11.94	33.537	5.09	25.49	250.5	.079
50	10.46	33.625	4.10	25.82	218.5	.126

Z	T	S	OXY	PHO	SIL	NIT	D*T
103.35				CALCOFI CRUISE 6607			
ALEXANDER AGASSIZ, JULY 14 1966, 0413 GMT, 30 56N 116 45W, SOUNDING 1020 FM, WIND 320 FORCE 7, WEATHER OVERCAST, SEA HIGH, WIRE ANGLE 63.							
0	17.40K	33.521	-	-	-	-	362.8
10	17.23	33.522	5.93	-	-	-	358.9
20	17.05K	33.52 G	-	-	-	-	355.0
32	14.96	33.393	6.13	-	-	-	319.2
64	12.98	33.378	5.95	-	-	-	281.3
100	10.24K	33.66 G	-	-	-	-	212.4
110	9.97	33.742	4.01	-	-	-	201.2
158	9.10	33.929	2.78	-	-	-	174.5
200	8.42	34.020	2.57	-	-	-	157.7

Z	T	S	OXY	SIG*T	D*T	DD
103.35						
0	17.40	33.521	-0	24.31	362.8	0
10	17.23	33.522	5.93	24.35	358.9	.036
20	17.05	33.520	6.05	24.39	355.0	.072
30	15.35	33.417	6.12	24.70	325.7	.106
50	13.55	33.369	6.06	25.04	292.8	.168
75	12.04	33.446	5.54	25.40	259.0	.237
100	10.24	33.660	4.48	25.89	212.4	.297
125	9.66	33.810	3.51	26.10	192.0	.348
150	9.23	33.904	2.91	26.24	178.4	.395
200	8.42	34.020	2.57	26.46	157.7	.480

Z	T	S	OXY	PHO	SIL	NIT	D*T
103.40				CALCOFI CRUISE 6607			
ALEXANDER AGASSIZ, JULY 14 1966, 0012 GMT, 30 43.5N 117 03W, SOUNDING 900 FM, WIND 320 FORCE 6, WEATHER CLOUDY, SEA HIGH, WIRE ANGLE 35.							
1	18.99	33.616	5.45	-	-	-	393.1
9	19.03	33.613	5.57	-	-	-	394.3
29	18.93	33.606	5.54	-	-	-	392.4
38	18.51	33.480	5.88	-	-	-	385.5
49	15.28	33.339	6.07	-	-	-	329.8
61	13.87	33.345	6.28	-	-	-	300.8
77	12.32	33.379	5.62	-	-	-	269.0
96	11.47	33.573	4.26	-	-	-	239.5
111	10.52	33.679	3.81	-	-	-	215.6
134	10.00	33.886	3.05	-	-	-	191.8
155	9.56	33.984	2.81	-	-	-	177.6
184	8.72	34.014	2.96	-	-	-	162.5
206	8.54	34.081	2.47	-	-	-	154.9
241	7.90	34.075	2.31	-	-	-	146.2
288	7.50	34.142	1.56	-	-	-	135.7
363	6.75	34.187	.97	-	-	-	122.4
435	6.46	34.269	.98	-	-	-	112.6
500	6.14	34.337	.49	-	-	-	103.6

Z	T	S	OXY	SIG*T	D*T	DD
103.40						
0	18.99	33.616	5.45	23.99	393.1	0
10	19.03	33.613	5.56	23.98	394.3	.039
20	18.99	33.609	5.52	23.98	393.7	.079
30	18.67	33.594	5.58	24.05	386.9	.118
50	15.16	33.336	6.10	24.68	327.5	.190
75	12.48	33.371	5.74	25.25	272.6	.265
100	11.21	33.602	4.11	25.67	232.8	.329
125	10.13	33.808	3.32	26.02	199.7	.383
150	9.67	33.968	2.83	26.22	180.5	.432
200	8.58	34.064	2.61	26.47	156.8	.518
250	7.81	34.086	2.18	26.61	144.1	.595
300	7.37	34.150	1.42	26.72	133.3	.666
400	6.61	34.230	1.05	26.89	117.4	.797
500	6.14	34.337	.49	27.03	103.6	.914

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

103.50 CALCOFI CRUISE 6607 103.50

ALEXANDER AGASSIZ, JULY 13 1966, 1728 GMT, 30 21N 117 42W, SOUNDING 650 FM, WIND 320 FORCE 5, WEATHER CLOUDY, SEA HIGH, WIRE ANGLE 28.

Z	T	S	OXY	PHO	SIL	NIT	D*T
1	17.23	33.354	5.66	-	-	-	371.1
10	17.22	33.353	5.60	-	-	-	371.0
32	17.20	33.351	5.63	-	-	-	370.6
41	16.51	33.341	5.84	-	-	-	356.0
54	15.08	33.282	6.09	-	-	-	329.8
67	14.31	33.258	6.10	-	-	-	315.9
85	13.62	33.258	6.05	-	-	-	302.3
106	12.24	33.294	5.93	-	-	-	273.8
122	11.28	33.457	4.88	-	-	-	244.8
146	10.44	33.660	4.4	-	-	-	215.7
170	9.49	33.827	3.81	-	-	-	188.1
203	8.89	33.940	3.4	-	-	-	170.6
226	8.50	34.015	2.94	-	-	-	159.2
268	7.83	34.053	2.52	-	-	-	146.8
322	7.32	34.121	1.63	-	-	-	134.8
409	6.57	34.206	.80	-	-	-	118.7
490	6.03	34.271	.42	-	-	-	107.2
560	5.68	34.329	.28	-	-	-	98.7

Z	T	S	OXY	SIG*T	D*T	DD
0	17.23	33.354	5.66	24.22	371.1	0
10	17.22	33.353	5.60	24.22	371.0	.037
20	17.21	33.352	5.60	24.22	370.8	.074
30	17.20	33.352	5.62	24.22	370.6	.111
50	15.51	33.301	6.03	24.57	337.5	.182
75	14.00	33.254	6.09	24.86	310.1	.264
100	12.66	33.271	5.97	25.14	283.1	.339
125	11.16	33.485	4.79	25.59	240.7	.405
150	10.27	33.692	4.30	25.91	210.6	.462
200	8.93	33.933	3.43	26.32	171.6	.559
250	8.10	34.044	2.68	26.53	151.3	.642
300	7.50	34.093	2.00	26.66	139.4	.717
400	6.64	34.198	.86	26.86	120.2	.852
500	5.97	34.279	.39	27.01	105.9	.971

103.60 CALCOFI CRUISE 6607 103.60

ALEXANDER AGASSIZ, JULY 13 1966, 1040 GMT, 30 04.5N 118 24W, SOUNDING 1875 FM, WIND 340 FORCE 6, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 34.

Z	T	S	OXY	PHO	SIL	NIT	D*T
1	17.12	33.358	5.68	-	-	-	368.3
9	17.14	33.358	5.71	-	-	-	368.8
30	17.09	33.355	-	-	-	-	367.9
38	16.32	33.368	5.87	-	-	-	349.9
51	15.27	33.330	5.45	-	-	-	330.3
63	14.82	33.330	5.53	-	-	-	321.0
79	14.34	33.330	5.46	-	-	-	311.2
100	12.92	33.247	5.20	-	-	-	289.8
115	12.24	33.305	4.77	-	-	-	273.0
139	11.22	33.503	4.60	-	-	-	240.4
162	10.39	33.681	4.38	-	-	-	213.3
193	9.35	33.882	3.00	-	-	-	181.8
217	8.76	33.961	3.68	-	-	-	167.1
258	8.24	34.015	2.92	-	-	-	155.5
310	7.42	34.070	1.90	-	-	-	139.9
393	6.62	34.142	1.19	-	-	-	124.1
470	6.07	34.242	.60	-	-	-	109.8
537	5.64	34.291	.39	-	-	-	101.1

Z	T	S	OXY	SIG*T	D*T	DD
0	17.12	33.358	5.68	24.25	368.3	0
10	17.14	33.357	5.73	24.24	368.8	.037
20	17.12	33.353	5.86	24.24	368.7	.074
30	17.09	33.355	5.90	24.25	367.9	.111
50	15.34	33.334	5.48	24.64	331.4	.181
75	14.48	33.333	5.49	24.82	313.8	.262
100	12.92	33.247	5.20	25.07	289.8	.338
125	11.80	33.380	4.66	25.39	259.6	.407
150	10.81	33.590	4.54	25.73	227.0	.469
200	9.16	33.910	3.16	26.26	176.8	.572
250	8.32	34.009	3.17	26.47	157.1	.657
300	7.58	34.060	2.08	26.62	142.8	.734
400	6.57	34.153	1.12	26.83	122.6	.872
500	5.87	34.268	.47	27.01	105.5	.993

103.70 CALCOFI CRUISE 6607 103.70

ALEXANDER AGASSIZ, JULY 13 1966, 0342 GMT, 29 40.5N 119 06.5W, SOUNDING 1650 FM, WIND 320 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 31.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	17.42	33.441	5.56	-	-	-	369.1
9	17.45	33.436	5.61	-	-	-	370.1
30	17.42	33.432	5.57	-	-	-	369.7
56	16.12	33.397	5.49	-	-	-	343.4
64	15.58	33.396	5.87	-	-	-	332.0
81	14.88	33.443	5.31	-	-	-	313.9
95	14.16	33.393	-	-	-	-	303.0
100	14.00K	33.39 G	-	-	-	-	300.1
108	13.33	33.411	4.78	-	-	-	285.5
125	13.00K	33.46 G	-	-	-	-	275.6
134	11.28	33.454	3.54U	-	-	-	245.0
151	10.74	33.629	3.89	-	-	-	222.9
177	9.92	33.848	3.20	-	-	-	193.3
207	9.50	34.029	2.85	-	-	-	173.3
233	9.24	34.091	2.23	-	-	-	164.7
277	8.95	34.213	1.68	-	-	-	151.2
335	8.57	34.299	.77	-	-	-	139.2
425	7.16	34.293	.36	-	-	-	119.9
510	6.44	34.320	.40	-	-	-	108.6
581	5.78	34.333	.32	-	-	-	99.6

Z	T	S	OXY	SIG*T	D*T	DD
0	17.42	33.441	5.56	24.24	369.1	0
10	17.45	33.436	5.61	24.23	370.1	.037
20	17.44	33.433	5.60	24.23	370.2	.074
30	17.42	33.432	5.57	24.23	369.7	.111
50	16.51	33.404	5.42	24.42	351.5	.183
75	15.10	33.429	5.60	24.76	319.5	.268
100	14.00	33.390	4.92	24.96	300.1	.346
125	13.00	33.460	4.45	25.22	275.6	.419
150	10.77	33.616	3.91	25.76	224.4	.482
200	9.57	33.995	2.93	26.26	176.8	.584
250	9.12	34.140	1.99	26.45	159.2	.670
300	8.82	34.256	1.30	26.58	146.1	.749
400	7.57	34.301	.44	26.81	124.7	.891
500	6.53	34.317	.40	26.97	109.9	1.015
600	5.59	34.335	.28	27.10	97.2	1.126

	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
103.80					CALCOFI CRUISE 6607								103.80	
ALEXANDER AGASSIZ, JULY 12 1966, 2201 2222 GMT, 29 26.5N 119 41W, SOUNDING 2045 FM, WIND 340 FORCE 5, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 26 32.														
1	18.45	33.721	5.52	-	-	-	372.6	0	18.45	33.721	5.52	24.20	372.6	0
10	18.42	33.716	5.61	-	-	-	372.2	10	18.42	33.716	5.61	24.21	372.2	.037
32	18.36	33.715	5.52	-	-	-	370.9	20	18.39	33.716	5.57	24.21	371.6	.075
50	17.20K	33.62 G	-	-	-	-	351.0	30	18.37	33.715	5.53	24.22	371.0	.112
59	16.22	33.576	6.93	-	-	-	332.5	50	17.20	33.620	5.81	24.43	351.0	.184
67	16.09	33.628	5.87	-	-	-	325.9	75	15.98	33.633	5.84	24.72	323.2	.269
86	15.72	33.629	5.79	-	-	-	317.9	100	14.93	33.587	5.61	24.92	304.5	.348
98	15.11	33.587	5.70	-	-	-	308.1	125	13.02	33.631	4.88	25.35	263.4	.420
111	13.92	33.604	5.10	-	-	-	282.8	150	11.49	33.727	4.23	25.72	228.6	.482
131A	12.68	33.647	4.81	-	-	-	255.9	200	9.72	33.947	3.39	26.20	182.9	.587
147A	11.65	33.713	4.29	-	-	-	232.4	250	9.08	34.044	2.86	26.38	165.7	.676
173A	10.53	33.833	3.87	-	-	-	204.4	300	8.88	34.213	1.67	26.54	150.1	.758
201A	9.70	33.950	3.38	-	-	-	182.3	400	7.92	34.301	.75	26.76	129.7	.904
226A	9.38	33.983	3.30	-	-	-	174.8	500	6.46	34.253	.60	26.93	113.8	1.033
268A	8.90	34.100	2.43	-	-	-	158.8							
323A	8.86	34.283	1.18	-	-	-	144.7							
410A	7.76	34.301	.71	-	-	-	127.4							
493A	6.54	34.254	.61	-	-	-	114.7							
563A	5.88	34.270	.44	-	-	-	105.5							
107.32					CALCOFI CRUISE 6607								107.32	
ALEXANDER AGASSIZ, JULY 15 1966, 0316 GMT, 30 25.5N 116 11W, SOUNDING 220 FM, WIND 290 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 30.														
0	14.74	33.406	6.33	-	-	-	313.8	0	14.74	33.406	6.33	24.82	313.8	0
9	14.78	33.415	6.59	-	-	-	313.9	10	14.72	33.416	6.58	24.83	312.7	.031
26	13.30	33.424	6.14	-	-	-	284.0	20	13.94	33.421	6.48	25.00	296.5	.062
38	12.28	33.612	4.63	-	-	-	251.1	30	12.99	33.485	5.66	25.24	273.6	.090
50	10.72	33.678	3.73	-	-	-	219.0	50	10.72	33.678	3.73	25.82	219.0	.140
62	10.67	33.802	3.08	-	-	-	209.0	75	10.54	33.830	3.00	25.97	204.8	.193
74	10.56	33.817	3.07	-	-	-	206.0	100	10.32	34.105	1.83	26.22	180.7	.242
90	10.34	34.046	1.93	-	-	-	185.5	125	10.31	34.169	1.63	26.27	175.8	.287
108	10.30	34.127	1.76	-	-	-	178.8	150	10.18	34.186	1.73	26.31	172.5	.331
132	10.30	34.179	1.61	-	-	-	175.0	200	9.54	34.261	1.59	26.47	156.8	.415
159	10.09	34.193	1.79	-	-	-	170.5	250	9.49	34.370	1.00	26.57	147.9	.494
192B	9.76	34.281	1.48	-	-	-	158.7	300	8.76	34.359	.77	26.67	137.5	.568
229	8.92	34.205	1.85	-	-	-	151.3							
269	9.56	34.433	.62	-	-	-	144.3							
303	8.62	34.340	.84	-	-	-	136.8							
107.35					CALCOFI CRUISE 6607								107.35	
ALEXANDER AGASSIZ, JULY 15 1966, 0535 GMT, 30 20.5N 116 21.5W, SOUNDING 975 FM, WIND 340 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 30.														
0	17.14	33.500	5.94	-	-	-	358.4	0	17.14	33.500	5.94	24.35	358.4	0
9	17.15	33.500	5.79	-	-	-	358.7	10	17.15	33.501	5.79	24.35	358.5	.036
20	17.07K	33.50 G	-	-	-	-	356.9	20	17.07	33.500	5.83	24.37	356.9	.072
26	16.64	33.478	5.91	-	-	-	348.9	30	14.80	33.360	6.09	24.77	318.4	.106
30	14.80K	33.36 G	-	-	-	-	318.4	50	13.10	33.359	6.07	25.12	284.9	.166
34	14.48	33.351	6.25	-	-	-	312.5	75	11.64	33.489	4.77	25.50	248.7	.233
47	13.32	33.351	6.19	-	-	-	289.7	100	10.46	33.752	3.54	25.92	209.1	.291
59	12.51	33.396	5.60	-	-	-	271.2	125	9.53	33.835	3.58	26.14	188.1	.341
80	11.40	33.533	4.48	-	-	-	241.3	150	9.14	33.928	3.35	26.28	175.1	.387
94	10.74	33.717	3.55	-	-	-	216.4	200	8.33	34.023	2.93	26.48	156.2	.472
109	10.06	33.782	3.54	-	-	-	200.5	250	7.69	34.076	2.27	26.62	143.1	.548
124	9.55	33.831	3.59	-	-	-	188.7	300	7.35	34.124	1.57	26.70	135.0	.620
147	9.18	33.921	3.32	-	-	-	176.3	400	6.80	34.229	.73	26.86	119.9	.753
173	8.79	33.973	3.49	-	-	-	166.6	500	6.11	34.298	.37	27.01	106.2	.872
196	8.40	34.018	2.99	-	-	-	157.5							
234	7.82	34.054	2.50	-	-	-	146.6							
278	7.52	34.113	1.86	-	-	-	138.1							
347	7.02	34.133	1.07	-	-	-	129.9							
421	6.69	34.256	.62	-	-	-	116.5							
498	6.13	34.297	.37	-	-	-	106.5							

A) CAST 11.
B) A POSITRIP MAY HAVE STARTED WITH THIS NANSEN BOTTLE CAUSING THE FOLLOWING DEPTHS TO BE SLIGHTLY UNCERTAIN.

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

107.40 CALCOFI CRUISE 6607 107.40

ALEXANDER AGASSIZ, JULY 15 1966, 0835 GMT, 30 11N 116 40.5W, SOUNDING 1518 FM, WIND 320 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 18.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	18.36	33.559	5.52	-	-	-	382.2
10	18.36	33.559	5.53	-	-	-	382.2
20	18.36K	33.56 G	-	-	-	-	382.2
33	17.29	33.512	5.70	-	-	-	360.9
43	15.68	33.398	5.99	-	-	-	333.9
57	14.22	33.365	6.19	-	-	-	306.3
71	12.76	33.400	5.66	-	-	-	275.5
90	11.87	33.521	4.73	-	-	-	250.4
100	11.50K	33.55 G	-	-	-	-	241.8
115	10.70	33.684	3.75	-	-	-	218.2
134	10.24	33.807	3.32	-	-	-	201.5
162	9.59	33.983	2.85	-	-	-	178.1
191	8.94	33.996	3.04	-	-	-	167.1
228	8.09	34.046	2.70	-	-	-	151.0
256	7.92	34.062	2.47	-	-	-	147.4
302	7.40	34.105	1.82	-	-	-	137.1
363	6.88	34.198	.96	-	-	-	123.3
459	6.10	34.249	.53	-	-	-	109.7
545	5.76	34.325	.34	-	-	-	99.9
618	5.26	34.363	.30	-	-	-	91.3

Z	T	S	OXY	SIG*T	D*T	DD
0	18.36	33.559	5.52	24.10	382.2	0
10	18.36	33.559	5.53	24.10	382.2	.038
20	18.36	33.560	5.59	24.10	382.2	.077
30	17.64	33.531	5.65	24.26	367.6	.114
50	14.89	33.377	6.15	24.77	319.0	.183
75	12.51	33.426	5.47	25.29	269.0	.257
100	11.50	33.550	4.29	25.58	241.8	.321
125	10.42	33.752	3.50	25.93	208.5	.378
150	9.87	33.918	3.00	26.15	187.3	.428
200	8.70	34.008	2.99	26.41	162.7	.518
250	7.94	34.059	2.52	26.56	148.0	.597
300	7.42	34.103	1.85	26.67	137.6	.671
400	6.55	34.222	.71	26.89	117.2	.803
500	5.97	34.289	.42	27.02	105.1	.921
600	5.40	34.356	.31	27.14	93.5	1.027

107.50 CALCOFI CRUISE 6607 107.50

ALEXANDER AGASSIZ, JULY 15 1966, 1424 GMT, 29 50N 117 20W, SOUNDING 1430 FM, WIND 340 FORCE 5, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 25.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	17.84	33.503	5.56	-	-	-	374.2
9	17.85	33.499	5.42	-	-	-	374.7
32	17.84	33.505	5.34	-	-	-	374.0
41	17.64	33.660	5.57	-	-	-	358.1
54	16.70	33.675	5.80	-	-	-	335.8
68	15.57	33.487	5.80	-	-	-	325.1
75	14.80K	33.36 G	-	-	-	-	318.4
87	14.57	33.350	4.92	-	-	-	314.4
107	13.52	33.327	5.71	-	-	-	295.3
124	12.52	33.417	5.15	-	-	-	269.9
151	11.16	33.633	4.46	-	-	-	229.8
175	9.96	33.750	4.01	-	-	-	201.2
210	9.16	33.915	3.93	-	-	-	176.5
235	8.84	33.963	3.22	-	-	-	168.1
278	8.10	34.033	2.72	-	-	-	152.1
334	7.36	34.078	1.53	-	-	-	138.5
422	6.71	34.204	.82	-	-	-	120.6
502	6.06	34.270	.44	-	-	-	107.6
572	5.68	34.309	.36	-	-	-	100.2

Z	T	S	OXY	SIG*T	D*T	DD
0	17.84	33.503	5.56	24.19	374.2	0
10	17.85	33.499	5.40	24.18	374.7	.037
20	17.85	33.500	5.32	24.18	374.6	.075
30	17.84	33.504	5.33	24.19	374.2	.112
50	17.04	33.680	5.75	24.51	343.0	.184
75	14.80	33.360	5.44	24.77	318.4	.268
100	13.94	33.328	5.42	24.93	303.5	.346
125	12.47	33.425	5.12	25.30	268.3	.418
150	11.21	33.625	4.48	25.69	231.2	.481
200	9.31	33.874	3.95	26.21	181.8	.586
250	8.59	33.990	3.01	26.41	162.3	.674
300	7.78	34.052	2.25	26.58	146.2	.754
400	6.85	34.172	.92	26.81	124.8	.895
500	6.07	34.269	.45	26.99	107.9	1.018

107.60 CALCOFI CRUISE 6607 107.60

ALEXANDER AGASSIZ, JULY 15 1966, 1957 GMT, 29 30.5N 118 02W, SOUNDING 1950 FM, WIND 340 FORCE 3, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 20.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	18.23	33.664	5.47	-	-	-	371.6
9	18.19	33.664	5.56	-	-	-	370.6
32	18.12	33.665	5.54	-	-	-	368.9
50	18.10K	33.66 G	-	-	-	-	368.8
61	16.49	33.639	5.92	-	-	-	333.8
70	16.08	33.625	5.90	-	-	-	325.9
89	15.58	33.613	5.79	-	-	-	316.1
104	15.05	33.595	5.70	-	-	-	306.3
117	14.14	33.565	5.41	-	-	-	290.0
145	12.12	33.708	4.25	-	-	-	241.1
163	11.04	33.743	4.11	-	-	-	219.6
190	9.60	33.827	4.13	-	-	-	189.8
222	9.12	33.980	3.58	-	-	-	171.1
249	8.62	34.002	3.67	-	-	-	161.9
295	7.91	34.057	2.69	-	-	-	147.7
355	7.83	34.225	1.23	-	-	-	134.0
448	6.36	34.197	.76	-	-	-	116.7
533	6.06	34.284	.41	-	-	-	106.6
604	5.50	34.315	.31	-	-	-	97.7

Z	T	S	OXY	SIG*T	D*T	DD
0	18.23	33.664	5.47	24.21	371.6	0
10	18.19	33.664	5.56	24.22	370.5	.037
20	18.15	33.665	5.56	24.23	369.6	.074
30	18.12	33.665	5.54	24.24	369.0	.111
50	18.10	33.660	5.79	24.24	368.8	.185
75	15.93	33.621	5.88	24.72	323.0	.272
100	15.22	33.601	5.74	24.87	309.5	.352
125	13.55	33.597	5.06	25.22	276.0	.426
150	11.81	33.719	4.18	25.65	234.7	.490
200	9.39	33.879	3.95	26.20	182.6	.597
250	8.60	34.003	3.66	26.42	161.6	.685
300	7.89	34.072	2.55	26.58	146.2	.764
400	7.15	34.225	.99	26.81	124.7	.905
500	6.22	34.257	.52	26.96	110.6	1.029
600	5.54	34.314	.31	27.09	98.2	1.141

107.70 CALCOFI CRUISE 6607 107.70

ALEXANDER AGASSIZ, JULY 16 1966, 0114 GMT, 29 11.5N 118 41W, SOUNDING 1600 FM, WIND 340 FORCE 4, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 10.

INPUT Z	T	S	OXY	PHO	SIL	NIT	O*T	OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	O*T	DD
0	18.36	33.669	5.49	-	-	-	374.2	0	18.36	33.669	5.49	24.19	374.2	0
10	18.33	33.663	5.60	-	-	-	374.0	10	18.33	33.663	5.60	24.19	374.0	.037
35	18.22	33.670	5.53	-	-	-	370.9	20	18.29	33.663	5.58	24.20	373.0	.075
50	17.00K	33.68 G	-	-	-	-	342.2	30	18.24	33.667	5.55	24.21	371.7	.112
64	16.41	33.688	5.86	-	-	-	328.5	50	17.00	33.680	5.72	24.52	342.2	.184
74	16.10	33.668	5.81	-	-	-	323.2	75	16.06	33.664	5.81	24.73	322.6	.267
93	15.24	33.603	5.68	-	-	-	309.7	100	14.94	33.591	5.59	24.92	304.4	.346
108	14.56	33.586	5.44	-	-	-	296.9	125	13.42	33.610	4.87	25.25	272.7	.419
123	13.54	33.605	4.92	-	-	-	275.3	150	12.07	33.694	4.38	25.58	241.2	.484
152	11.97	33.703	4.35	-	-	-	238.8	200	10.06	33.921	3.36	26.12	190.2	.594
172	10.94	33.799	3.95	-	-	-	213.8	250	9.28	34.140	2.32	26.42	161.7	.684
202	10.02	33.930	3.31	-	-	-	188.9	300	8.69	34.184	1.90	26.55	149.4	.765
236	9.56	34.117	2.36	-	-	-	167.7	400	7.53	34.258	.87	26.78	127.4	.909
266	8.98	34.150	2.26	-	-	-	156.3	500	6.17	34.229	.60	26.94	112.0	1.036
315	8.60	34.199	1.71	-	-	-	147.0	600	5.61	34.293	.34	27.07	100.5	1.149
379	7.88	34.285	.97	-	-	-	131.8							
478	6.32	34.218	.69	-	-	-	114.7							
567	5.77	34.269	.40	-	-	-	104.2							
640	5.44	34.327	.30	-	-	-	96.1							

107.80 CALCOFI CRUISE 6607 107.80

ALEXANDER AGASSIZ, JULY 16 1966, 0647 GMT, 28 51.5N 119 20W, SOUNDING 1925 FM, WIND 350 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 16.

INPUT Z	T	S	OXY	PHO	SIL	NIT	O*T	OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	O*T	DD
0	18.10	33.552	5.53	-	-	-	376.7	0	18.10	33.552	5.53	24.16	376.7	0
10	18.10K	33.548	5.51	-	-	-	377.0	10	18.10	33.548	5.51	24.16	377.0	.038
29	18.02	33.551	5.56	-	-	-	374.9	20	18.06	33.549	5.53	24.17	376.0	.075
38	17.98	33.550	5.58	-	-	-	374.0	30	18.02	33.551	5.56	24.18	374.8	.113
50	16.76K	33.54 G	-	-	-	-	347.0	50	16.76	33.540	5.82	24.47	347.0	.185
53	16.62	33.538	5.88	-	-	-	344.1	75	15.89	33.508	5.93	24.65	330.4	.271
67	16.18	33.515	5.94	-	-	-	336.1	100	14.89	33.487	5.77	24.85	310.8	.351
91	15.26	33.499	5.86	-	-	-	317.7	125	13.69	33.590	5.20	25.18	279.3	.426
110	14.44	33.491	5.62	-	-	-	301.4	150	12.06	33.664	4.49	25.56	243.3	.492
130	13.41	33.626	5.04	-	-	-	271.2	200	10.15	33.939	3.21	26.12	190.3	.602
149	12.12	33.659	4.52	-	-	-	244.7	250	9.20	34.104	2.62	26.41	163.1	.693
178	10.78	33.837	3.59	-	-	-	208.2	300	8.72	34.241	1.54	26.59	145.7	.773
212	9.88	33.982	3.08	-	-	-	182.8	400	7.47		.98			
240	9.28	34.051	2.88	-	-	-	168.2	500	6.74		.39			
287	8.97	34.226	1.64	-	-	-	150.5							
339	7.94	34.200	1.45	-	-	-	137.4							
420	7.39	-	.81	-	-	-	-							
502	6.72	-	.38	-	-	-	-							
585	6.14	-	.26	-	-	-	-							

110.35 CALCOFI CRUISE 6607 110.35

ALEXANDER AGASSIZ, JULY 17 1966, 2203 GMT, 29 45.5N 116 00W, SOUNDING 640 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 32.

INPUT Z	T	S	OXY	PHO	SIL	NIT	O*T	OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	O*T	DD
0	15.50	33.445	6.43	-	-	-	326.7	0	15.50	33.445	6.43	24.68	326.7	0
8	14.51	33.494	7.02	-	-	-	302.6	10	14.40	33.495	6.96	24.96	300.3	.031
20	13.91K	33.48 G	-	-	-	-	291.7	20	13.91	33.480	6.45	25.05	291.7	.061
30	12.82	33.438	5.62	-	-	-	273.9	30	12.82	33.438	5.62	25.24	273.9	.089
38	12.24	33.367	5.42	-	-	-	268.4	50	11.67	33.471	4.79	25.48	250.5	.142
51	11.63	33.485	4.73	-	-	-	248.8	75	10.00	33.590	4.10	25.87	213.7	.200
65	11.02	33.587	4.17	-	-	-	230.8	100	10.36	33.977	2.23	26.11	191.0	.251
75	10.00K	33.59 G	-	-	-	-	213.7	125	10.36	34.044	1.97	26.16	186.0	.299
82	10.29	33.672	4.06	-	-	-	212.3	150	10.28	34.052	2.11	26.18	184.0	.346
102	10.37	34.007	2.03	-	-	-	188.9	200	10.17	34.179	1.74	26.30	172.8	.437
119	10.37	34.039	1.97	-	-	-	186.5	250	9.95	34.385	.98	26.50	154.0	.521
142	10.34	34.050	2.01	-	-	-	185.2	300	9.71	34.457	.51	26.60	144.9	.599
164	10.18	34.056	2.24	-	-	-	182.1	400	8.14	34.367	.51	26.78	127.8	.742
194	10.25	34.168	1.73	-	-	-	175.0	500	6.91	34.347	.35	26.94	112.6	.869
217	9.92	34.213	1.77	-	-	-	166.3							
256	9.97	34.417	.81	-	-	-	152.0							
307	9.64	34.460	.48	-	-	-	143.6							
391	8.27	34.372	.52	-	-	-	129.4							
470	7.23	34.345	.41	-	-	-	116.9							
539	6.56	34.359	.27	-	-	-	107.2							

110.41 CALCOFI CRUISE 6607 110.41

ALEXANDER AGASSIZ, JULY 17 1966, 1746 GMT, 29 28.5N 116 22W, SOUNDING 710 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 24.

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
0	16.60	33.451	5.87	-	-	-	350.0	0	16.60	33.451	5.87	24.44	350.0	0
9	15.95	33.462	6.21	-	-	-	335.0	10	15.87	33.470	6.22	24.62	332.8	.034
20	15.18K	33.55 G	-	-	-	-	312.3	20	15.18	33.550	6.18	24.84	312.3	.066
32	14.81	33.578	5.92	-	-	-	302.6	30	14.85	33.575	5.98	24.93	303.6	.097
41	14.62	33.575	5.79	-	-	-	298.9	50	14.32	33.584	5.70	25.05	292.3	.157
55	14.14	33.592	5.63	-	-	-	288.0	75	13.35	33.607	4.94	25.26	271.5	.228
68	13.72	33.617	5.17	-	-	-	277.9	100	11.03	33.670	3.95	25.76	224.8	.291
86	12.54	33.601	4.56	-	-	-	256.7	125	10.40	33.793	3.38	25.96	205.2	.345
100	11.03K	33.67 G	-	-	-	-	224.8	150	9.99	34.050	2.49	26.23	179.5	.394
108	10.72	33.713	3.64	-	-	-	216.4	200	8.89	34.088	2.59	26.44	159.6	.480
126	10.39	33.799	3.37	-	-	-	204.6	250	8.41	34.174	1.79	26.58	146.0	.559
150	9.99	34.050	2.49	-	-	-	179.5	300	8.15	34.234	1.27	26.67	137.8	.632
176	9.26	34.018	3.07	-	-	-	170.4	400	7.51	34.302	.66	26.82	123.9	.769
209	8.80	34.120	2.32	-	-	-	155.8	500	6.64	34.349	.33	26.98	108.9	.892
233	8.54	34.151	2.00	-	-	-	149.7							
275	8.26	34.207	1.50	-	-	-	141.5							
329	8.02	34.261	1.05	-	-	-	134.0							
415	7.38	34.308	.60	-	-	-	121.7							
495	6.68	34.347	.34	-	-	-	109.6							
564	6.10	34.364	.24	-	-	-	101.1							

110.50 CALCOFI CRUISE 6607 110.50

ALEXANDER AGASSIZ, JULY 17 1966, 1225 GMT, 29 12.5N 116 58W, SOUNDING 1855 FM, WIND 340 FORCE 5, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 35.

0	17.66	33.401	5.56	-	-	-	377.5	0	17.66	33.401	5.56	24.15	377.5	0
8	17.70	33.401	5.58	-	-	-	378.4	10	17.70	33.401	5.58	24.14	378.4	.038
28	17.68	33.401	5.57	-	-	-	377.9	20	17.70	33.402	5.57	24.14	378.3	.076
30	17.67K	33.40 G	-	-	-	-	377.8	30	17.67	33.400	5.58	24.15	377.8	.114
53	16.24	33.433	5.76	-	-	-	343.4	50	16.52	33.435	5.71	24.45	349.5	.187
61	15.50	33.371	6.00	-	-	-	332.1	75	14.80	33.305	6.04	24.73	322.3	.271
77	14.73	33.299	6.05	-	-	-	321.4	100	13.61	33.256	6.05	24.94	302.3	.350
89	14.26	33.262	6.07	-	-	-	314.6	125	12.96	33.499	5.29	25.26	271.9	.422
100	13.61	33.256	6.05	-	-	-	302.3	150	11.46	33.646	4.21	25.66	233.9	.486
123	13.04	33.478	5.40	-	-	-	275.1	200	9.74	33.954	3.13	26.20	182.6	.592
136	12.41	33.600	4.68	-	-	-	254.4	250	8.96	34.071	2.64	26.42	161.9	.680
157	11.00	33.664	4.03	-	-	-	224.7	300	8.11	34.105	2.19	26.58	146.8	.760
183	10.25	33.880	3.15	-	-	-	196.3	400	7.29	34.236	.92	26.80	125.9	.902
205	9.60	33.969	3.15	-	-	-	179.3	500	6.55	34.310	.39	26.96	110.7	1.027
242	9.11	34.063	2.70	-	-	-	164.8							
292	8.21	34.096	2.30	-	-	-	149.0							
372	7.43	34.198	1.16	-	-	-	130.6							
449	6.98	34.284	.59	-	-	-	118.2							
517	6.38	34.313	.35	-	-	-	108.3							

110.60 CALCOFI CRUISE 6607 110.60

ALEXANDER AGASSIZ, JULY 17 1966, 0638 GMT, 28 55.5N 117 39W, SOUNDING 1915 FM, WIND 340 FORCE 5, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 24.

0	18.04	33.527	5.52	-	-	-	377.1	0	18.04	33.527	5.52	24.16	377.1	0
9	18.06	33.522	5.53	-	-	-	377.9	10	18.06	33.522	5.53	24.15	378.0	.038
28	18.06	33.527	5.53	-	-	-	377.5	20	18.07	33.523	5.52	24.14	378.1	.076
30	18.05K	33.53 G	-	-	-	-	377.1	30	18.05	33.530	5.56	24.16	377.1	.113
55	16.60	33.548	5.91	-	-	-	342.9	50	16.96	33.547	5.85	24.43	350.9	.187
64	16.28	33.549	5.89	-	-	-	335.8	75	15.67	33.520	5.87	24.71	324.7	.271
77	15.54	33.512	5.87	-	-	-	322.6	100	14.47	33.521	5.61	24.97	299.9	.350
91	14.71	33.452	5.82	-	-	-	309.8	125	12.64	33.662	4.85	25.45	254.1	.420
105	14.32	33.571	5.46	-	-	-	293.2	150	11.18	33.777	3.84	25.81	219.4	.480
126	12.55	33.665	4.81	-	-	-	252.2	200	9.71	33.992	3.00	26.24	179.3	.582
144	11.52	33.751	3.98	-	-	-	227.3	250	9.18	34.172	1.85	26.46	157.8	.668
172	10.16	33.869	3.50	-	-	-	195.6	300	9.17	34.332	1.22	26.59	145.8	.747
198	9.76	33.988	3.05	-	-	-	180.4	400	7.48	34.252	.81	26.78	127.1	.889
224	9.14	34.025	3.110	-	-	-	168.0	500	6.91	34.352	.39	26.94	112.2	1.016
268	9.32	34.279	1.48	-	-	-	152.0							
317	9.00	34.348	1.15	-	-	-	141.9							
392	7.48	34.237	.87	-	-	-	128.3							
471	7.18	34.341	.46	-	-	-	116.5							
551	6.24	34.336	.39	-	-	-	104.9							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	O*T	Z	T	S	OXY	SIG*T	O*T	DC
110.70					CALCOFI CRUISE 6607								110.70	

ALEXANDER AGASSIZ, JULY 17 1966, 0010 GMT, 28 36.5N 118 19.5W, SOUNDING 1950 FM, WIND 330 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 15.

0	18.40	33.478	5.53	-	-	-	389.1	0	18.40	33.478	5.53	24.03	389.1	0
10	18.40	33.474	5.52	-	-	-	389.4	10	18.40	33.474	5.52	24.03	389.4	.039
33	18.21	33.472	5.55	-	-	-	385.1	20	18.34	33.473	5.53	24.04	387.9	.078
61	16.54	33.449	6.04	-	-	-	348.8	30	18.27	33.473	5.53	24.06	386.5	.117
71	15.56	33.373	6.09	-	-	-	333.2	50	17.38	33.460	5.85	24.26	366.9	.192
89	14.56	33.376	6.05	-	-	-	312.3	75	15.30	33.366	6.09	24.67	328.2	.280
103	13.76	33.388	5.91	-	-	-	295.5	100	13.93	33.386	5.95	24.98	299.0	.359
117	13.00	33.383	5.56	-	-	-	281.3	125	12.37	33.449	5.18	25.34	264.8	.430
145	11.04	33.696	4.04	-	-	-	223.1	150	10.94	33.760	3.75	25.84	216.5	.491
163	10.79	33.911	3.09	-	-	-	202.9	200	10.19	34.116	2.28	26.25	177.8	.591
190	10.26	34.043	2.61	-	-	-	184.4	250	9.40	34.278	1.41	26.51	153.2	.676
222	10.10	34.253	1.60	-	-	-	166.3	300	8.96	34.337	1.03	26.63	142.1	.753
251	9.37	34.279	1.40	-	-	-	152.7	400	7.81	34.356	.47	26.82	123.9	.892
298	8.98	34.336	1.05	-	-	-	142.5	500	6.64	34.352	.32	26.98	108.7	1.015
359	8.28	34.358	.61	-	-	-	130.5	600	5.85	34.373	.26	27.10	97.4	1.126
455	7.18	34.349	.38	-	-	-	115.9							
542	6.24	34.358	.28	-	-	-	103.2							
616	5.77	34.378	.26	-	-	-	96.1							

110.80					CALCOFI CRUISE 6607								110.80	

ALEXANDER AGASSIZ, JULY 16 1966, 1845 GMT, 28 16N 118 57W, SOUNDING 2130 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 14.

0	18.68	33.535	5.48	-	-	-	391.6	0	18.68	33.535	5.48	24.00	391.6	0
10	18.64	33.534	5.54	-	-	-	390.7	10	18.64	33.534	5.54	24.01	390.7	.039
20	18.62K	33.53 G	-	-	-	-	390.5	20	18.62	33.530	5.53	24.01	390.5	.078
29	18.61	33.535	5.53	-	-	-	389.9	30	18.61	33.530	5.55	24.02	390.3	.117
30	18.61K	33.53 G	-	-	-	-	390.3	50	16.70	33.500	5.96	24.45	348.6	.191
50	16.70K	33.50 G	-	-	-	-	348.6	75	14.09	33.446	5.86	24.99	297.8	.273
58	15.46	33.481	6.09	-	-	-	323.2	100	12.23	33.475	4.83	25.38	260.3	.343
68	14.56	33.444	6.01	-	-	-	307.3	125	11.21	33.632	4.07	25.69	230.7	.405
82	13.64	33.456	5.64	-	-	-	288.2	150	10.36	33.811	3.42	25.98	203.2	.460
97	12.40	33.462	4.93	-	-	-	264.3	200	9.68	34.081	2.54	26.31	172.3	.556
111	11.74	33.539	4.52	-	-	-	246.8	250	8.91	34.218	1.79	26.54	150.2	.639
136	10.84	33.710	3.74	-	-	-	218.6	300	8.21	34.236	1.26	26.66	138.7	.713
156	10.18	33.852	3.30	-	-	-	197.2	400	7.51	34.321	.54	26.83	122.5	.850
185	9.80	34.004	2.87	-	-	-	179.9	500	6.54	34.344	.32	26.99	108.0	.972
213	9.56	34.139	2.25	-	-	-	166.1	600	5.66	34.377	.25	27.13	94.8	1.081
241	9.08	34.215	2.24U	-	-	-	153.0							
287	8.30	34.214	1.45	-	-	-	141.5							
339	8.04	34.307	.76	-	-	-	130.9							
419	7.32	34.325	.48	-	-	-	119.6							
500	6.54	34.344	.32	-	-	-	108.0							
583	5.80	34.371	.25	-	-	-	97.0							

110.90					CALCOFI CRUISE 6607								110.90	

ALEXANDER AGASSIZ, JULY 16 1966, 1304 GMT, 27 54N 119 38.5W, SOUNDING 2000 FM, WIND 340 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 24.

0	19.00	33.641	5.39	-	-	-	391.5	0	19.00	33.641	5.39	24.00	391.5	0
9	19.02	33.634	5.33	-	-	-	392.5	10	19.02	33.634	5.33	23.99	392.5	.039
27	19.01	33.634	5.51	-	-	-	392.3	20	19.02	33.635	5.41	24.00	392.4	.079
30	19.01K	33.63 G	-	-	-	-	392.6	30	19.01	33.630	5.60	23.99	392.6	.118
50	16.15K	33.42 G	-	-	-	-	342.4	50	16.15	33.420	6.03	24.52	342.4	.192
55	15.65	33.399	6.08	-	-	-	333.2	75	13.92	33.366	5.93	24.96	300.3	.272
64	14.65	33.376	5.91	-	-	-	314.1	100	12.36	33.475	4.99	25.36	262.7	.343
77	13.83	33.368	5.93	-	-	-	298.3	125	11.39	33.703	3.80	25.72	228.6	.405
90	13.27	33.444	5.58	-	-	-	281.9	150	10.44	33.848	3.46	26.00	201.7	.460
103	12.09	33.486	4.79	-	-	-	256.9	200	9.96	34.123	2.32	26.29	173.6	.556
125	11.39	33.703	3.80	-	-	-	228.6	250	9.21	34.232	1.53	26.50	153.8	.640
143	10.54	33.782	3.73	-	-	-	208.3	300	8.59	34.272	1.16	26.63	141.5	.716
169	10.36	34.026	2.66	-	-	-	187.3	400	6.59	34.180	1.08	26.85	120.9	.853
195	10.04	34.107	2.35	-	-	-	176.1	500	6.03	34.277	.45	27.00	106.7	.973
220	9.62	34.181	2.25	-	-	-	163.9							
264	9.04	34.246	1.18	-	-	-	150.1							
313	8.41	34.274	1.23	-	-	-	138.7							
388	6.74	34.177	1.18	-	-	-	123.0							
465	6.04	34.228	.62	-	-	-	110.5							
545	6.02	34.365	.30	-	-	-	100.0							

113.30					CALCOFI CRUISE 6607								113.30	

ALEXANDER AGASSIZ, JULY 18 1966, 0528 GMT, 29 22N 115 18W, SOUNDING 36 FM, WIND 310 FORCE 5, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 10.

0	15.76	33.631	5.81	-	-	-	318.6	0	15.76	33.631	5.81	24.77	318.6	0
10	15.70	33.629	5.80	-	-	-	317.5	10	15.70	33.629	5.80	24.78	317.5	.032
20	14.78	33.605	5.62	-	-	-	300.0	20	14.78	33.605	5.62	24.96	300.0	.063
29	12.51	33.610	4.52	-	-	-	255.5	30	12.47	33.616	4.45	25.45	254.2	.091
39	12.00	33.693	3.64	-	-	-	240.1							
49	11.28	33.822	2.28	-	-	-	217.9							

	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
113.35					CALCOFI CRUISE 6607								113.35	
ALEXANDER AGASSIZ, JULY 18 1966, 0822 GMT, 29 12N 115 39W, SOUNDING 725 FM, WIND 320 FORCE 5, WEATHER MISSING, SEA MISSING, WIRE ANGLE 31.														
0	17.51	33.463	5.64	-	-	-	369.5	0	17.51	33.463	5.64	24.24	369.5	0
8	17.52	33.462	5.26	-	-	-	369.8	10	17.52	33.460	5.27	24.23	370.0	.037
10	17.52K	33.46 G	-	-	-	-	370.0	20	17.50	33.460	5.48	24.24	369.5	.074
20	17.50K	33.46 G	-	-	-	-	369.5	30	16.24	33.418	5.94	24.50	344.5	.110
30	16.24	33.418	5.94	-	-	-	344.5	50	13.16	33.273	6.12	25.04	292.4	.174
38	15.06	33.429	6.18	-	-	-	318.7	75	11.76	33.410	5.12	25.42	256.7	.243
51	13.03	33.259	6.10	-	-	-	291.0	100	10.47	33.739	3.64	25.91	210.4	.302
64	12.58	33.274	5.88	-	-	-	281.5	125	10.05	33.978	2.74	26.17	185.8	.352
82	11.22	33.520	4.56	-	-	-	239.1	150	9.66	34.073	2.59	26.31	172.6	.397
103	10.40	33.773	3.51	-	-	-	206.7	200	8.98	34.256	1.37	26.56	148.5	.479
120	10.17	33.958	2.75	-	-	-	189.2	250	8.79	34.368	.80	26.68	137.3	.553
145	9.64	34.033	2.78	-	-	-	175.2	300	8.55	34.363	.64	26.71	134.2	.623
170	9.74	34.227	1.75	-	-	-	162.4	400	7.83	34.342	.54	26.80	125.3	.759
205	8.85	34.263	1.31	-	-	-	146.0	500	7.11	34.350	.36	26.91	115.0	.887
230	8.82	34.338	-	-	-	-	140.0							
274	8.75	34.379	.63	-	-	-	135.9							
331	8.27	34.334	.70	-	-	-	132.2							
423	7.69	34.351	.47	-	-	-	122.7							
507	7.06	34.351	.35	-	-	-	114.2							
579	6.48	34.376	.25	-	-	-	104.9							
113.40					CALCOFI CRUISE 6607								113.40	
ALEXANDER AGASSIZ, JULY 18 1966, 1121 GMT, 29 02N 115 57W, SOUNDING 1000 FM, WIND 330 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 18.														
0	17.11	33.452	5.76	-	-	-	361.3	0	17.11	33.452	5.76	24.32	361.3	0
9	17.13	33.452	5.74	-	-	-	361.7	10	17.13	33.452	5.77	24.32	361.7	.036
30	17.10K	33.44 G	-	-	-	-	361.9	20	17.12	33.447	6.03	24.32	361.8	.072
33	15.42	33.432	6.19	-	-	-	325.9	30	17.10	33.440	6.17	24.32	361.9	.109
42	13.42	33.451	5.83	-	-	-	284.3	50	12.43	33.500	5.31	25.36	262.1	.171
50	12.43K	33.50 G	-	-	-	-	262.1	75	10.99	33.736	3.41	25.81	219.3	.232
57	12.52	33.537	4.78	-	-	-	261.0	100	9.90	33.900	3.00	26.13	189.2	.283
71	11.14	33.688	3.66	-	-	-	225.4	125	9.53	33.951	3.21	26.23	179.5	.330
91	10.52	33.882	2.83	-	-	-	200.6	150	9.32	34.060	2.70	26.35	168.3	.374
100	9.90K	33.90 G	-	-	-	-	189.2	200	8.31	34.121	2.05	26.56	148.5	.455
114	9.73	33.910	3.35	-	-	-	185.7	250	8.21	34.247	1.18	26.67	137.9	.529
134	9.38	33.993	3.01	-	-	-	174.1	300	8.05	34.322	.70	26.76	129.9	.598
163	9.28	34.100	2.47	-	-	-	164.6	400	7.03	34.346	.37	26.92	114.2	.726
192	8.40	34.102	2.22	-	-	-	151.3	500	6.39	34.373	.27	27.03	104.0	.841
230	8.22	34.209	1.41	-	-	-	140.7	600	5.80	34.392	.24	27.12	95.4	.949
259	8.21	34.261	1.10	-	-	-	136.7							
306	8.01	34.329	.65	-	-	-	128.8							
368	7.28	34.336	.43	-	-	-	118.2							
464	6.64	34.368	.30	-	-	-	107.5							
550	6.08	34.382	.24	-	-	-	99.5							
622	5.68	34.396	.24	-	-	-	93.7							
113.50					CALCOFI CRUISE 6607								113.50	
ALEXANDER AGASSIZ, JULY 18 1966, 1633 GMT, 28 41.5N 116 37W, SOUNDING 1870 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 16.														
0	16.98	33.549	5.98	-	-	-	351.3	0	16.98	33.549	5.98	24.43	351.3	0
10	16.37	33.480	6.11	-	-	-	342.8	10	16.37	33.480	6.11	24.52	342.8	.035
20	16.32K	33.47 G	-	-	-	-	342.4	20	16.32	33.470	6.11	24.52	342.4	.069
29	15.16	33.297	6.08	-	-	-	330.4	30	15.09	33.289	6.08	24.66	329.5	.103
38	14.62	33.253	6.12	-	-	-	322.5	50	13.68	33.217	6.10	24.90	306.4	.167
52	13.54	33.217	6.09	-	-	-	303.8	75	13.01	33.423	5.62	25.19	278.6	.240
67	13.40	33.324	5.92	-	-	-	293.2	100	11.84	33.610	4.76	25.56	243.3	.306
91	12.14	33.589	4.97	-	-	-	250.3	125	10.43	33.717	4.25	25.90	211.4	.363
100	11.84K	33.61 G	-	-	-	-	243.3	150	9.57	33.861	3.83	26.15	186.9	.414
109	11.05	33.621	4.58	-	-	-	228.8	200	9.23	34.114	2.41	26.41	162.9	.503
127	10.39	33.732	4.21	-	-	-	209.5	250	8.55	34.185	1.71	26.57	147.3	.583
145	9.69	33.833	3.94	-	-	-	190.8	300	8.10	34.259	1.06	26.70	135.3	.656
173	9.27	33.983	3.22	-	-	-	173.1	400	7.39	34.301	.57	26.84	122.2	.790
204	9.21	34.128	2.31	-	-	-	161.5	500	6.48	34.326	.36	26.98	108.6	.913
230	8.70	34.134	2.10	-	-	-	153.3							
284	8.36	34.267	1.09	-	-	-	138.5							
325	7.70	34.237	1.01	-	-	-	131.3							
403	7.37	34.305	.55	-	-	-	121.8							
482	6.60	34.317	.39	-	-	-	110.8							
562	6.19	34.373	.24	-	-	-	101.5							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	O*T	Z	T	S	OXY	SIG*T	O*T	DD
113.60					CALCOFI CRUISE 6607								113.60	

ALEXANDER AGASSIZ, JULY 18 1966, 2142 GMT, 28 21.5N 117 16W, SOUNDING 1930 FM, WIND 330 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 16.

0	18.32	33.452	5.55	-	-	-	389.1	0	18.32	33.452	5.55	24.03	389.1	0
10	18.19	33.448	-	-	-	-	386.3	10	18.19	33.448	5.55	24.06	386.3	.039
29	18.08	33.443	5.56	-	-	-	384.1	20	18.12	33.446	5.56	24.07	384.9	.077
50	16.20K	33.43 G	-	-	-	-	342.8	30	18.00	33.443	5.58	24.10	382.3	.116
57	15.82	33.422	5.99	-	-	-	335.2	50	16.20	33.430	5.89	24.52	342.8	.189
67	15.30	33.387	6.03	-	-	-	326.7	75	14.98	33.363	6.03	24.74	321.8	.272
82	14.68	33.340	6.03	-	-	-	317.4	100	13.67	33.303	5.99	24.97	300.0	.350
97	13.74	33.272	6.08	-	-	-	303.6	125	12.45	33.413	5.37	25.29	268.9	.422
111	13.42	33.433	5.58	-	-	-	285.6	150	11.24	33.603	4.21	25.66	233.4	.486
135	11.72	33.400	5.15	-	-	-	256.7	200	10.25	34.061	2.55	26.20	182.9	.592
155	11.14	33.685	3.87	-	-	-	225.6	250	9.97	34.313	1.31	26.44	159.7	.680
183	10.50	33.985	2.81	-	-	-	192.6	300	9.43	34.385	.81	26.59	145.8	.759
212	10.13	34.101	2.39	-	-	-	178.0	400	8.10	34.371	.55	26.79	127.0	.902
241	10.04	34.281	1.48	-	-	-	163.2	500	6.89	34.348	.40	26.94	112.2	1.029
289	9.56	34.384	.87	-	-	-	147.9	600	6.12	34.364	.12	27.06	101.3	1.143
342	8.88	34.385	.68	-	-	-	137.4							
424	7.78	34.363	.51	-	-	-	123.1							
507	6.82	34.348	.39	-	-	-	111.3							
590	6.18	34.361	.16	-	-	-	102.3							

113.70					CALCOFI CRUISE 6607								113.70	

ALEXANDER AGASSIZ, JULY 19 1966, 0305 GMT, 28 01N 117 56W, SOUNDING 1700 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 12.

0	18.64	33.501	5.51	-	-	-	393.1	0	18.64	33.501	5.51	23.99	393.1	0
10	18.64	33.503	5.50	-	-	-	392.9	10	18.64	33.503	5.50	23.99	392.9	.039
29	18.58	33.535	5.51	-	-	-	389.2	20	18.63	33.510	5.50	24.00	392.2	.079
30	18.57K	33.54 G	-	-	-	-	388.6	30	18.57	33.540	5.53	24.04	388.6	.118
59	15.48	33.408	6.03	-	-	-	329.0	50	16.61	33.464	5.91	24.45	349.3	.192
68	14.96	33.418	5.93	-	-	-	317.4	75	14.71	33.391	5.95	24.81	314.3	.275
83	14.42	33.365	5.95	-	-	-	310.3	100	13.32	33.440	5.41	25.14	283.2	.350
98	13.38	33.430	5.56	-	-	-	285.1	125	11.45	33.661	4.05	25.67	232.8	.416
100	13.32K	33.44 G	-	-	-	-	283.2	150	10.38	33.765	3.74	25.94	206.9	.471
112	12.34	33.560	4.48	-	-	-	256.0	200	9.55	34.046	2.69	26.30	172.7	.568
137	10.82	33.728	3.90	-	-	-	217.0	250	8.86	34.188	1.89	26.53	151.7	.651
157	10.20	33.784	3.65	-	-	-	202.6	300	8.53	34.277	1.07	26.65	140.2	.727
186	9.66	33.977	2.98	-	-	-	179.6	400	7.35	34.278	.67	26.82	123.4	.865
216	9.42	34.108	2.39	-	-	-	166.2	500	6.55	34.336	.35	26.98	108.8	.987
245	8.90	34.175	1.99	-	-	-	153.3	600	5.79	34.372	.27	27.10	96.8	1.098
294	8.60	34.275	1.12	-	-	-	141.4							
348	7.89	34.269	.87	-	-	-	131.6							
430	7.08	34.29	.57	-	-	-	119.0							
512	6.46	34.342	.33	-	-	-	107.2							
596	5.82	34.371	.27	-	-	-	97.2							

113.80					CALCOFI CRUISE 6607								113.80	

ALEXANDER AGASSIZ, JULY 19 1966, 0738 GMT, 27 42.5N 118 32.5W, SOUNDING 2090 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 13.

0	19.67	33.765	5.42	-	-	-	398.9	0	19.67	33.765	5.42	23.93	398.9	0
10	19.68	33.766	5.38	-	-	-	399.1	10	19.68	33.766	5.38	23.93	399.1	.040
29	19.54	33.757	5.43	-	-	-	396.3	20	19.63	33.754	5.39	23.93	398.5	.080
30	19.53K	33.76 G	-	-	-	-	395.8	30	19.53	33.760	5.44	23.96	395.8	.120
39	19.01	33.726	5.57	-	-	-	385.6	50	15.20	33.550	5.97	24.83	312.7	.191
50	15.20K	33.55 G	-	-	-	-	312.7	75	12.97	33.623	4.51	25.35	263.1	.263
53	14.70	33.542	6.02	-	-	-	303.0	100	11.77	33.761	3.43	25.69	231.0	.325
68	13.41	33.589	4.97	-	-	-	274.0	125	10.72	33.909	3.00	26.00	201.9	.380
92	12.12	33.717	3.63	-	-	-	240.5	150	9.92	34.018	2.80	26.22	180.7	.429
112	11.28	33.830	3.23	-	-	-	217.3	200	9.01	34.108	2.43	26.44	159.9	.516
131	10.48	33.943	2.91	-	-	-	195.4	250	8.41	34.186	1.69	26.59	145.2	.594
150	9.92	34.018	2.80	-	-	-	180.7	300	8.17	34.263	1.05	26.69	136.0	.667
178	9.40	34.080	2.62	-	-	-	167.9	400	7.31	34.328	.46	26.87	119.2	.800
211	8.84	34.121	2.31	-	-	-	156.4	500	6.32	34.342	.32	27.01	105.4	.919
238	8.50	34.166	1.88	-	-	-	148.0	600	5.66	34.371	.24	27.12	95.2	1.027
285	8.24	34.242	1.21	-	-	-	138.6							
338	7.96	34.307	.73	-	-	-	129.8							
419	7.08	34.333	.42	-	-	-	115.8							
502	6.30	34.342	.32	-	-	-	105.2							
584	5.74	34.365	.25	-	-	-	96.7							

	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
117.30					CALCOFI CRUISE 6607								117.30	

ALEXANDER AGASSIZ, JULY 21 1966, 1420 GMT, 28 47N 114 54.5W, SOUNDING 54 FM, WIND 290 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 08.

0	16.82	33.596	6.94	-	-	-	344.3	0	16.82	33.596	6.94	24.50	344.3	0
10	15.62	33.580	6.58	-	-	-	319.3	10	15.62	33.580	6.58	24.76	319.3	.033
20	13.86	33.598	5.03	-	-	-	282.1	20	13.86	33.598	5.03	25.15	282.1	.063
30	11.44A	33.593	4.15	-	-	-	237.5	30	11.44	33.593	4.15	25.62	237.5	.089
50	11.00	33.855	2.06	-	-	-	210.6	50	11.00	33.855	2.06	25.90	210.6	.134
74	10.44	33.973	1.94	-	-	-	192.5							

117.35					CALCOFI CRUISE 6607								117.35	

ALEXANDER AGASSIZ, JULY 20 1966, 1353 GMT, 28 38N 115 16W, SOUNDING 110 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 07.

0	17.24	33.476	5.73	-	-	-	362.4	0	17.24	33.476	5.73	24.31	362.4	0
10	17.22	33.466	5.74	-	-	-	362.7	10	17.22	33.466	5.74	24.31	362.7	.036
30	16.17	33.396	5.97	-	-	-	344.6	20	16.89	33.439	5.82	24.36	357.4	.072
40	14.96	33.338	6.17	-	-	-	323.2	30	16.17	33.396	5.97	24.50	344.6	.107
55	13.01	33.317	5.89	-	-	-	286.3	50	13.59	33.319	6.03	24.99	297.2	.172
70	12.56	33.383	5.47	-	-	-	273.1	75	12.17	33.440	5.12	25.37	261.9	.242
84	11.48	33.563	4.42	-	-	-	240.5	100	11.11	33.802	3.35	25.84	216.4	.302
104	11.03	33.857	3.12	-	-	-	211.0	125	10.77	34.024	2.28	26.08	194.3	.354
129	10.72	34.044	2.19	-	-	-	191.9	150	10.48	34.080	2.17	26.17	185.2	.403
155	10.42	34.088	2.17	-	-	-	183.7							

117.40					CALCOFI CRUISE 6607								117.40	

ALEXANDER AGASSIZ, JULY 20 1966, 1030 GMT, 28 28N 115 35.5W, SOUNDING 550 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 03.

0	17.62	33.574	6.00	-	-	-	364.0	0	17.62	33.574	6.00	24.29	364.0	0
10	16.58	33.568	5.98	-	-	-	341.0	10	16.58	33.568	5.98	24.53	341.0	.035
30	11.88	33.412	5.13	-	-	-	258.6	20	14.12	33.479	5.61	25.01	296.0	.067
41	11.51	33.481	4.76	-	-	-	247.0	30	11.88	33.412	5.13	25.40	258.6	.095
56	11.92	33.784	3.24	-	-	-	231.9	50	11.74	33.663	3.85	25.62	237.6	.145
71	11.58	33.849	2.93	-	-	-	221.1	75	11.20	33.910	2.78	25.91	210.0	.201
75	11.20K	33.91E G	-	-	-	-	210.0	100	11.12	34.031	2.03	26.02	199.7	.253
96	11.14	34.024	2.07	-	-	-	200.6	125	10.96	34.083	1.92	26.09	193.1	.303
116	11.02	34.052	1.97	-	-	-	196.4	150	10.82	34.155	1.81	26.17	185.4	.351
136	10.88	34.122	1.87	-	-	-	188.9	200	10.08	34.209	1.74	26.34	169.2	.441
155	10.78	34.164	1.79	-	-	-	184.1	250	9.83	34.280	1.34	26.44	160.0	.526
185	10.10	34.187	1.84	-	-	-	171.1	300	9.47	34.318	1.07	26.53	151.4	.606
220	10.03	34.241	1.56	-	-	-	166.0	400	8.19	34.352	.49	26.76	129.7	.753
249	9.84	34.279	1.35	-	-	-	160.1	500	7.06	34.344	.40	26.92	114.7	.883
297	9.49	34.315	1.09	-	-	-	151.9	600	6.22	34.362	.24	27.04	102.7	1.000
350	9.02	34.359	.69	-	-	-	141.4							
432	7.64	34.339	.43	-	-	-	122.9							
515	6.93	34.346	.38	-	-	-	112.9							
598	6.24	34.362	.24	-	-	-	102.9							

117.50					CALCOFI CRUISE 6607								117.50	

ALEXANDER AGASSIZ, JULY 20 1966, 0413 GMT, 28 08N 116 15W, SOUNDING 2240 FM, WIND 310 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 27.

0	17.80	33.495	5.67	-	-	-	373.8	0	17.80	33.495	5.67	24.19	373.8	0
9	17.80	33.489	5.68	-	-	-	374.3	10	17.78	33.490	5.70	24.19	373.7	.037
31	17.04	33.546	5.88	-	-	-	352.8	20	17.64	33.511	5.85	24.24	369.0	.075
50	14.40K	33.60 G	-	-	-	-	292.7	30	17.11	33.542	5.88	24.39	354.7	.111
58	12.13	33.621	4.17	-	-	-	247.7	50	14.40	33.600	4.79	25.04	292.7	.176
67	11.44	33.668	3.59	-	-	-	232.0	75	10.92	33.740	3.27	25.83	217.7	.240
85	10.47	33.821	3.05	-	-	-	204.3	100	10.23	33.867	2.91	26.05	196.8	.292
97	10.34	33.844	2.95	-	-	-	200.4	125	9.49	33.977	2.75	26.26	176.9	.340
111	9.77	33.958	2.76	-	-	-	182.8	150	9.07	34.024	2.67	26.36	167.1	.383
136	9.34	33.993	2.77	-	-	-	173.5	200	8.54	34.105		26.51	153.1	.465
152	9.04	34.029	2.65	-	-	-	166.2	250	8.11	34.181		26.64	141.2	.541
177	8.90	34.069	-	-	-	-	161.1	300	7.94	34.286		26.74	131.1	.611
205	8.44	34.109	-	-	-	-	151.4	400	7.05	34.334		26.91	115.3	.740
229	7.87	34.079	-	-	-	-	145.5	500	6.16	34.351		27.04	102.7	.855
268	8.40	34.282	-	-	-	-	137.9							
320	7.52	34.261	-	-	-	-	127.1							
404	7.02	34.338	.39	-	-	-	114.7							
486	6.24	34.347	.30	-	-	-	104.1							
556	5.99	34.378	.24	-	-	-	98.7							

A) MEAN VALUE OF 11.37 AND 11.50 DEGREES.

INPUT

Z	T	S	ΔXY	PRO	STL	NIT	D#T
117.60					CALCOFI CRUISE 6607		
ALEXANDER AGASSIZ, JULY 19 1966, 2250 GMT, 27 48N 116 53.5W, SOUNDING 1925 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 13.							
0	18.38	33.475	5.52	-	-	-	388.8
10	18.21	33.473	5.50	-	-	-	385.0
29	17.80	33.469	5.60	-	-	-	375.7
30	17.78K	33.47 G	-	-	-	-	375.2
39	16.44	33.574	5.93	-	-	-	337.5
54	15.60	33.544	5.89	-	-	-	321.6
68	14.70	33.399	5.96	-	-	-	313.5
75	13.80K	33.41 G	-	-	-	-	294.7
93	12.58	33.452	5.22	-	-	-	266.4
112	11.47	33.645	4.22	-	-	-	234.2
131	10.46	33.835	3.37	-	-	-	203.1
150	10.38	34.054	2.44	-	-	-	185.6
178	10.64	34.291	1.29	-	-	-	172.4
211	10.52	34.378	.95	-	-	-	163.9
239	10.32	34.418	.77	-	-	-	157.7
286	9.95	34.458	.55	-	-	-	148.7
338	9.24	34.396	.65	-	-	-	142.1
418	8.66	34.420	.42	-	-	-	131.5
499	7.55	34.363	.37	-	-	-	119.9
581	6.52	34.349	.35	-	-	-	107.4

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	ΔXY	SIG#T	D#T	DD
117.60						
0	18.38	33.475	5.52	24.03	388.8	0
10	18.21	33.473	5.50	24.07	385.0	.039
20	18.00	33.468	5.54	24.12	380.4	.077
30	17.78	33.470	5.64	24.18	375.2	.115
50	15.75	33.571	5.93	24.73	322.7	.185
75	13.80	33.410	5.84	25.02	294.7	.263
100	12.15	33.514	4.86	25.43	256.0	.332
125	10.72	33.774	3.63	25.89	212.0	.391
150	10.38	34.054	2.44	26.17	185.6	.441
200	10.59	34.363	1.05	26.37	166.3	.531
250	10.25	34.433	.70	26.49	155.4	.614
300	9.76	34.444	.57	26.58	146.7	.693
400	8.79	34.412	.48	26.71	134.0	.840
500	7.54	34.363	.37	26.86	119.7	.975
600	6.29	34.346	.35	27.02	104.8	1.095

Z	T	S	ΔXY	PRO	STL	NIT	D#T
117.70					CALCOFI CRUISE 6607		
ALEXANDER AGASSIZ, JULY 19 1966, 1725 GMT, 27 27.5N 117 32W, SOUNDING 1960 FM, WIND 340 FORCE 2, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 08.							
0	18.14	33.494	5.60	-	-	-	381.8
10	18.12	33.491	5.56	-	-	-	381.6
20	18.10K	33.48 G	-	-	-	-	381.9
30	17.75	33.462	5.67	-	-	-	375.1
40	17.40	33.451	5.75	-	-	-	367.9
55	15.58	33.340	6.04	-	-	-	336.0
69	14.46	33.290	6.16	-	-	-	316.6
94	13.20	33.364	5.73	-	-	-	286.5
100	13.04K	33.38 G	-	-	-	-	282.3
114	11.72	33.407	5.07	-	-	-	256.2
134	11.38	33.702	3.84	-	-	-	228.5
153	10.44	33.833	3.57	-	-	-	202.9
183	9.64	33.976	3.04	-	-	-	179.4
217	9.20	34.115	2.34	-	-	-	162.3
246	8.76	34.166	1.90	-	-	-	151.8
295	8.78	34.347	.87	-	-	-	138.7
350	8.19	34.344	.59	-	-	-	130.3
433	7.02	34.312	.45	-	-	-	116.6
518	6.56	34.370	.29	-	-	-	106.3
602	6.02	34.387	.27	-	-	-	98.4

Z	T	S	ΔXY	SIG#T	D#T	DD
117.70						
0	18.14	33.494	5.60	24.11	381.8	0
10	18.12	33.491	5.56	24.11	381.6	.038
20	18.10	33.480	5.60	24.11	381.9	.076
30	17.75	33.462	5.67	24.18	375.1	.114
50	16.24	33.380	5.94	24.47	347.2	.187
75	14.07	33.299	6.11	24.88	308.2	.269
100	13.04	33.380	5.58	25.15	282.3	.344
125	11.57	33.561	4.37	25.57	242.2	.410
150	10.60	33.818	3.61	25.95	206.6	.467
200	9.39	34.052	2.68	26.33	169.9	.563
250	8.75	34.182	1.81	26.54	150.6	.645
300	8.74	34.351	.82	26.67	137.8	.719
400	7.46	34.321	.49	26.84	121.8	.855
500	6.66	34.361	.31	26.98	108.3	.977
600	6.03	34.387	.27	27.09	98.6	1.088

Z	T	S	ΔXY	PRO	STL	NIT	D#T
117.80					CALCOFI CRUISE 6607		
ALEXANDER AGASSIZ, JULY 19 1966, 1209 1230 GMT, 27 08N 118 10W, SOUNDING 2150 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 15 20.							
0	19.49	33.695	5.49	-	-	-	399.5
10	19.51	33.694	5.36	-	-	-	400.1
20	19.43K	33.68 G	-	-	-	-	399.2
29	18.97	33.654	5.48	-	-	-	389.9
38	17.25	33.594	5.91	-	-	-	354.1
53	15.86	33.465	6.05	-	-	-	332.9
67	15.25	33.464	6.00	-	-	-	320.0
91	13.88	33.415	5.79	-	-	-	295.9
100	13.83K	33.43 G	-	-	-	-	293.8
111	12.50	33.619	4.41	-	-	-	254.6
130	11.60	33.743	4.00	-	-	-	229.3
150	10.94	33.825	3.69	-	-	-	211.8
178	9.70	33.861	3.87	-	-	-	188.9
210	9.00	34.010	3.29	-	-	-	167.0
230A	8.39	34.036	2.97	-	-	-	156.1
276A	8.32	34.197	1.57	-	-	-	143.1
328A	8.10	34.287	.84	-	-	-	133.2
408A	7.26	34.342	.39	-	-	-	117.5
490A	6.52	34.341	.34	-	-	-	108.0
572A	5.88	34.372	.24	-	-	-	97.8

Z	T	S	ΔXY	SIG#T	D#T	DD
117.80						
0	19.49	33.695	5.49	23.92	399.5	0
10	19.51	33.694	5.36	23.91	400.1	.040
20	19.43	33.680	5.39	23.92	399.2	.080
30	18.79	33.648	5.53	24.06	386.0	.119
50	16.03	33.487	6.03	24.60	335.0	.192
75	14.72	33.444	5.94	24.85	310.5	.273
100	13.83	33.430	5.18	25.03	293.8	.349
125	11.74	33.725	4.06	25.67	233.1	.415
150	10.94	33.825	3.69	25.89	211.8	.472
200	9.20	33.964	3.51	26.30	173.4	.570
250	8.37	34.102	2.37	26.53	150.8	.653
300	8.24	34.247	1.16	26.67	138.2	.728
400	7.36	34.340	.41	26.87	119.0	.862
500	6.44	34.343	.33	27.00	106.8	.982

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	DD
118.39					CALCOFI CRUISE 6607								118.39	
ALEXANDER AGASSIZ, JULY 20 1966, 1640 GMT, 28 18.5N 115 24W, SOUNDING 145 FM, WIND 340 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 03.														
0	18.39	33.627	6.14	-	-	-	378.0	0	18.39	33.627	6.14	24.15	378.0	0
10	17.68	33.621	6.21	-	-	-	361.9	10	17.68	33.621	6.21	24.31	361.9	.037
20	15.70K	33.51 G	-	-	-	-	326.2	20	15.70	33.510	6.13	24.69	326.2	.071
30	14.41	33.458	5.66	-	-	-	303.3	30	14.41	33.458	5.66	24.93	303.3	.103
45	12.32	33.714	3.82	-	-	-	244.3	50	12.01	33.758	3.47	25.64	235.5	.157
55	11.82	33.791	3.20	-	-	-	229.6	75	11.33	33.883	2.52	25.87	214.3	.214
70	11.44	33.880	2.61	-	-	-	216.4	100	10.97	33.973	2.40	26.00	201.4	.266
85	11.15	33.890	1.50U	-	-	-	210.6	125	10.65	34.018	2.41	26.09	192.8	.316
105	10.92	34.003	2.38	-	-	-	198.4	150	10.24	34.080	2.29	26.21	181.3	.364
130	10.58	34.024	2.41	-	-	-	191.1	200	9.79	34.224	1.66	26.40	163.5	.452
150	10.24	34.080	2.29	-	-	-	181.3	250	9.42	34.336	.91	26.55	149.3	.532
185	9.88	34.192	1.88	-	-	-	167.2							
216	9.69	34.259	1.42	-	-	-	159.2							
255	9.38	34.348	.83	-	-	-	147.8							
119.33					CALCOFI CRUISE 6607								119.33	
ALEXANDER AGASSIZ, JULY 21 1966, 1051 GMT, 28 17.5N 114 52W, SOUNDING 56 FM, WIND 300 FORCE 4, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 18.														
0	18.35	33.628	5.76	-	-	-	377.0	0	18.35	33.628	5.76	24.16	377.0	0
10	18.37	33.627	5.72	-	-	-	377.5	10	18.37	33.627	5.72	24.15	377.5	.038
19	18.00	33.621	5.70	-	-	-	369.3	20	17.97	33.621	5.71	24.24	368.7	.075
29	17.78	33.617	5.70	-	-	-	364.5	30	17.64	33.611	5.67	24.32	361.8	.112
48	15.01	33.582	4.91	-	-	-	306.4	50	14.69	33.588	4.79	24.97	299.5	.178
71	11.08	33.768	3.12	-	-	-	218.4							
120.45					CALCOFI CRUISE 6607								120.45	
ALEXANDER AGASSIZ, JULY 22 1966, 0712 GMT, 27 43.5N 115 34W, SOUNDING 1375 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 12.														
0	18.61	33.565	5.60	-	-	-	387.7	0	18.61	33.565	5.60	24.04	387.7	0
10	18.31	33.562	5.71	-	-	-	380.9	10	18.31	33.562	5.71	24.12	380.9	.038
20	14.33K	33.24 G	-	-	-	-	317.6	20	14.33	33.240	6.02	24.78	317.6	.073
29	13.77	33.223	6.18	-	-	-	307.8	30	13.69	33.230	6.16	24.90	305.8	.105
39	12.98	33.305	5.87	-	-	-	286.6	50	12.28	33.320	5.56	25.25	272.6	.163
54	12.06	33.330	5.44	-	-	-	267.9	75	11.70	33.600	4.36	25.58	241.6	.227
68	11.41	33.418	4.93	-	-	-	249.9	100	11.17	33.938	2.82	25.94	207.4	.284
75	11.70K	33.60 G	-	-	-	-	241.6	125	10.61	34.053	2.37	26.13	189.4	.334
92	11.40	33.885	3.03	-	-	-	215.3	150	9.85	34.049	2.58	26.26	177.3	.381
111	10.85	33.977	2.67	-	-	-	199.1	200	9.57	34.244	1.49	26.45	158.4	.466
131	10.50	34.076	2.29	-	-	-	185.9	250	9.38	34.397	.66	26.61	144.1	.544
150	9.85	34.049	2.58	-	-	-	177.3	300	8.79	34.375	.55	26.68	136.7	.617
178	9.44	34.132	2.14	-	-	-	164.7	400	7.79	34.372	.33	26.83	122.5	.753
211	9.66	34.301	1.16	-	-	-	155.7	500	6.82	34.351	.26	26.95	111.0	.877
240	9.49	34.394	.68	-	-	-	146.1	600	5.88	34.361	.24	27.08	98.7	.989
288	8.90	34.373	.59	-	-	-	138.6							
341	8.42	34.384	.41	-	-	-	130.6							
423	7.54	34.365	.32	-	-	-	119.6							
506	6.76	34.351	.26	-	-	-	110.3							
589	5.98	34.358	.24	-	-	-	100.1							
120.50					CALCOFI CRUISE 6607								120.50	
ALEXANDER AGASSIZ, JULY 22 1966, 1018 GMT, 27 32.5N 115 52.5W, SOUNDING 1930 FM, WIND 330 FORCE 3, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 07.														
0	18.40	33.612	5.59	-	-	-	379.3	0	18.40	33.612	5.59	24.13	379.3	0
10	18.38	33.609	5.61	-	-	-	379.1	10	18.38	33.609	5.61	24.13	379.1	.038
30	17.64	33.573	5.97	-	-	-	364.5	20	18.09	33.595	5.78	24.20	373.3	.076
40	15.31	33.485	6.03	-	-	-	319.8	30	17.64	33.573	5.97	24.29	364.5	.113
50	12.18K	33.49 G	-	-	-	-	258.3	50	12.18	33.490	5.16	25.40	258.3	.175
55	11.94	33.499	4.63	-	-	-	253.3	75	11.48	33.728	3.66	25.72	228.3	.236
70	11.84	33.688	3.87	-	-	-	237.6	100	10.25	33.830	3.16	26.02	200.0	.290
94	10.26	33.815	3.14	-	-	-	201.3	125	9.84	34.037	3.01	26.25	178.1	.338
100	10.25K	33.83 G	-	-	-	-	200.0	150	9.97	34.139	2.30	26.31	172.5	.383
114	9.66	33.923	3.22	-	-	-	183.6	200	9.69	34.307	1.19	26.48	155.6	.466
135	10.11	34.127	2.74	-	-	-	175.7	250	9.69	34.457	.48	26.60	144.6	.544
155	9.88	34.144	2.16	-	-	-	170.8	300	9.22	34.421	.49	26.65	140.0	.618
185	9.61	34.216	1.67	-	-	-	161.2	400	7.62	34.335	.44	26.83	122.9	.756
219	9.81	34.417	.64	-	-	-	149.5	500	6.63	34.333	.28	26.97	110.0	.879
249	9.70	34.457	.48	-	-	-	144.7	600	5.80	34.348	.25	27.08	98.7	.991
299	9.24	34.422	.49	-	-	-	140.1							
353	8.30	34.348	.51	-	-	-	131.6							
436	7.18	34.329	.37	-	-	-	117.4							
520	6.46	34.335	.26	-	-	-	107.7							
602	5.78	34.348	.25	-	-	-	98.4							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	O*T	Z	T	S	OXY	SIG*T	O*T	DD
120.60					CALCOFI CRUISE 6607								120.60	
ALEXANDER AGASSIZ, JULY 22 1966, 1519 GMT, 27 13N 116 30W, SOUNDING 1955 FM, WIND 330 FORCE 2, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 03.														
0	18.40	33.539	5.68	-	-	-	384.6	0	18.40	33.539	5.68	24.08	384.6	0
9	18.40	33.535	5.66	-	-	-	384.9	10	18.38	33.533	5.66	24.08	384.5	.038
30	17.49	33.477	5.86	-	-	-	368.0	20	18.17	33.524	5.72	24.12	380.3	.077
40	16.12	33.364	6.08	-	-	-	345.8	30	17.49	33.477	5.86	24.25	368.0	.114
55	14.56	33.377	5.83	-	-	-	312.2	50	15.00	33.360	5.99	24.73	322.5	.184
70	13.77	33.513	4.82	-	-	-	286.5	75	13.00	33.540	4.62	25.28	269.7	.258
75	13.00K	33.54 G	-	-	-	-	269.7	100	11.15	33.706	3.97	25.76	224.2	.320
95	11.27	33.654	4.09	-	-	-	230.1	125	10.73	33.906	3.33	25.99	202.2	.374
115	11.01	33.858	-	-	-	-	210.6	150	10.24	34.020	2.63	26.17	185.7	.423
136	10.42	33.946	3.05	-	-	-	194.2	200	9.90	34.308	1.21	26.45	159.0	.511
156	10.19	34.055	2.44	-	-	-	182.4	250	9.59	34.387	.73	26.56	148.2	.591
185	10.04	34.260	1.48	-	-	-	164.8	300	9.15	34.420	.47	26.66	138.9	.665
219	9.73	34.340	.99	-	-	-	153.9	400	7.90	34.373	.38	26.82	124.0	.803
249	9.60	34.386	.74	-	-	-	148.4	500	6.83	34.349	.32	26.95	111.4	.928
298	9.17	34.419	.48	-	-	-	139.3	600	5.97	34.352	.28	27.07	100.4	1.041
352	8.62	34.432	.31	-	-	-	130.0							
435	7.38	34.328	.45	-	-	-	120.2							
518	6.68	34.352	.30	-	-	-	109.2							
602	5.95	34.352	.28	-	-	-	100.2							
120.70					CALCOFI CRUISE 6607								120.70	
ALEXANDER AGASSIZ, JULY 22 1966, 2051 2108 GMT, 26 54N 117 10W, SOUNDING 2050 FM, WIND 340 FORCE 2, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 22 30.														
0	18.46	33.459	5.75	-	-	-	391.9	0	18.46	33.459	5.75	24.00	391.9	0
9	17.99	33.466	5.75	-	-	-	380.4	10	17.97	33.467	5.75	24.13	379.9	.039
28	17.92	33.477	5.83	-	-	-	377.9	20	17.96	33.471	5.77	24.13	379.4	.077
30	17.90K	33.48 G	-	-	-	-	377.3	30	17.90	33.480	5.86	24.15	377.3	.115
37	16.80	33.405	5.98	-	-	-	357.8	50	15.10	33.440	6.08	24.77	318.7	.184
46	15.74	33.421	6.09	-	-	-	333.5	75	13.69	33.508	5.42	25.12	285.4	.260
50	15.10K	33.44 G	-	-	-	-	318.7	100	12.20	33.634	4.41	25.51	247.9	.327
60	14.98	33.456	5.94	-	-	-	315.0	125	11.07	33.787	3.83	25.84	216.9	.386
73	13.86	33.503	5.50	-	-	-	289.0	150	10.26	33.943	3.00	26.10	191.8	.438
91	12.56	33.562	4.76	-	-	-	259.9	200	9.38	34.117	2.23	26.39	164.9	.529
109A	11.88	33.710	4.11	-	-	-	236.7	250	9.21	34.269	1.24	26.53	150.9	.610
126A	11.02	33.791	3.81	-	-	-	215.7	300	8.55	34.288	.90	26.65	139.7	.685
151A	10.24	33.950	2.96	-	-	-	190.9	400	7.42	34.317	.44	26.84	121.5	.822
176A	9.89	34.093	2.37	-	-	-	174.7	500	6.76	34.356	.26	26.96	110.0	.945
200A	9.38	34.117	2.23	-	-	-	164.9							
232A	9.34	34.238	1.48	-	-	-	155.3							
282A	8.84	34.290	.99	-	-	-	143.8							
345A	7.85	34.278	.73	-	-	-	130.4							
412A	7.33	34.324	.40	-	-	-	119.8							
487A	6.84	34.353	.28	-	-	-	111.2							
120.80					CALCOFI CRUISE 6607								120.80	
ALEXANDER AGASSIZ, JULY 23 1966, 0151 GMT, 26 32.5N 117 49W, SOUNDING 2000 FM, WIND 320 FORCE 2, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 02.														
0	19.80	33.620	5.50	-	-	-	412.6	0	19.80	33.620	5.50	23.78	412.6	0
10	19.34	33.604	5.45	-	-	-	402.5	10	19.34	33.604	5.45	23.89	402.5	.041
20	19.25K	33.60 G	-	-	-	-	400.6	20	19.25	33.600	5.47	23.91	400.6	.081
30	19.02	33.596	5.53	-	-	-	395.3	30	19.02	33.596	5.53	23.96	395.3	.121
40	17.57	33.561	5.90	-	-	-	363.8	50	16.83	33.585	5.96	24.49	345.2	.195
55	16.62	33.608	5.97	-	-	-	339.0	75	16.07	33.658	5.85	24.72	323.4	.279
70	16.21	33.666	5.89	-	-	-	325.7	100	14.72	33.577	5.54	24.96	300.8	.358
95	15.16	33.591	5.66	-	-	-	308.9	125	12.68	33.624	4.65	25.41	257.6	.428
115	13.34	33.568	5.06	-	-	-	274.2	150	11.36	33.796	3.72	25.79	221.2	.489
135	12.12	33.698	4.24	-	-	-	241.9	200	9.97	33.996	3.00	26.19	183.2	.592
155	11.14	33.826	3.58	-	-	-	215.2	250	9.31	34.173	1.78	26.44	159.6	.680
185	10.34	33.961	3.09	-	-	-	191.8	300	8.95	34.287	1.10	26.59	145.7	.759
220	9.57	34.041	2.78	-	-	-	173.5	400	7.71	34.311	.59	26.80	125.9	.901
251	9.30	34.177	1.75	-	-	-	159.2	500	6.63	34.322	.36	26.96	110.8	1.026
299	8.96	34.286	1.11	-	-	-	145.9	600	5.95	34.358	.26	27.07	99.8	1.139
354	8.14	34.300	.74	-	-	-	132.8							
437	7.40	34.318	.52	-	-	-	121.2							
520	6.44	34.326	.32	-	-	-	108.1							
604	5.94	34.360	.26	-	-	-	99.4							

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	DD
120.90					CALCOFI CRUISE 6607								120.90	
ALEXANDER AGASSIZ, JULY 23 1966, 0616 GMT, 26 13N 118 27W, SOUNDING 2190 FM, WIND 010 FORCE 3, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 03.														
0	19.78	33.679	5.42	-	-	-	407.8	0	19.78	33.679	5.42	23.83	407.8	0
10	19.70	33.703	5.40	-	-	-	404.1	10	19.70	33.703	5.40	23.87	404.1	.041
20	19.74K	33.77 G	-	-	-	-	400.2	20	19.74	33.770	5.35	23.91	400.2	.081
30	20.38	34.189	5.33	-	-	-	385.9	30	20.38	34.189	5.33	24.06	385.9	.120
40	20.27	34.195	5.38	-	-	-	382.7	50	19.21	34.122	5.65	24.32	361.7	.195
50	19.21	34.122	5.65	-	-	-	361.7	75	17.29	33.910	5.75	24.63	332.0	.283
65	17.78	33.907	5.83	-	-	-	343.4	100	16.04	33.813	5.48	24.85	311.3	.364
75	17.29K	33.91 G	-	-	-	-	332.0	125	14.34	33.888	4.79	25.28	270.3	.437
80	17.28	33.911	5.68	-	-	-	331.7	150	12.47	33.823	4.35	25.60	239.1	.502
100	16.04	33.813	5.48	-	-	-	311.3	200	9.97	33.962	3.07	26.17	185.7	.610
125	14.34	33.888	4.79	-	-	-	270.3	250	9.33	34.175	1.83	26.44	159.9	.698
145	12.84	33.824	4.47	-	-	-	245.9	300	8.86	34.269	1.10	26.59	145.7	.778
175	10.90	33.866	3.66	-	-	-	208.1	400	7.88	34.361	.43	26.81	124.6	.919
205	9.85	33.985	2.95	-	-	-	182.1	500	6.63	34.374	.29	27.00	106.9	1.042
235	9.47	34.130	2.13	-	-	-	165.3							
275	9.12	34.227	1.43	-	-	-	152.7							
335	8.49	34.311	.76	-	-	-	137.1							
409	7.79	34.365	.41	-	-	-	123.1							
482	6.82	34.377	.30	-	-	-	109.1							
560	6.16	34.350	.28	-	-	-	102.9							
123.37					CALCOFI CRUISE 6607								123.37	
ALEXANDER AGASSIZ, JULY 24 1966, 1245 GMT, 27 24N 114 40W, SOUNDING 38 FM, WIND 300 FORCE 3, WEATHER OVERCAST, SEA SLIGHT, WIRE ANGLE 05.														
0	18.66	33.569	5.77	-	-	-	388.6	0	18.66	33.569	5.77	24.03	388.6	0
10	18.66	33.568	5.74	-	-	-	388.7	10	18.66	33.568	5.74	24.03	388.7	.039
20	16.13	33.507	6.25	-	-	-	335.6	20	16.13	33.507	6.25	24.59	335.6	.075
30	14.32	33.376	6.10	-	-	-	307.5	30	14.32	33.376	6.10	24.89	307.5	.107
50	13.02	33.534	4.57	-	-	-	270.6	50	13.02	33.534	4.57	25.27	270.6	.165
123.42					CALCOFI CRUISE 6607								123.42	
ALEXANDER AGASSIZ, JULY 24 1966, 0956 GMT, 27 14N 114 59W, SOUNDING 830 FM, WIND 310 FORCE 4, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 22.														
0	20.37	33.667	5.51	-	-	-	423.5	0	20.37	33.667	5.51	23.67	423.5	0
9	20.25	33.648	5.50	-	-	-	421.8	10	20.24	33.640	5.52	23.68	422.1	.042
10	20.24K	33.64 G	-	-	-	-	422.1	20	18.42	33.568	5.73	24.09	383.1	.083
33	15.38	33.454	6.03	-	-	-	323.5	30	16.15	33.482	5.96	24.57	337.9	.119
42	14.58	33.342	6.07	-	-	-	315.2	50	14.04	33.333	6.03	24.91	305.0	.183
56	13.70	33.350	5.97	-	-	-	297.1	75	12.87	33.579	4.60	25.34	264.4	.255
70	13.05	33.538	4.92	-	-	-	270.8	100	11.25	33.820	3.28	25.83	217.5	.316
89	12.19	33.690	3.83	-	-	-	243.7	125	10.90	34.010	2.51	26.04	197.5	.368
100	11.25K	33.82 G	-	-	-	-	217.5	150	10.55	34.161	1.94	26.22	180.4	.416
112	11.05	33.923	2.80	-	-	-	206.5	200	10.11	34.336	1.08	26.43	160.4	.503
131	10.84	34.046	2.40	-	-	-	193.8	250	9.80	34.409	.67	26.54	149.9	.583
158	10.43	34.204	1.74	-	-	-	175.3	300	9.45	34.458	.38	26.64	140.7	.659
185	10.24	34.316	1.19	-	-	-	163.9	400	8.16	34.402	.34	26.80	125.6	.798
222	9.94	34.351	.97	-	-	-	156.4	500	7.18	34.388	.27	26.93	113.0	.925
250	9.80	34.409	.67	-	-	-	149.9	600	6.28	34.367	.25	27.04	103.1	1.041
297	9.49	34.460	.38	-	-	-	141.2							
359	8.56	34.394	.41	-	-	-	132.0							
453	7.72	34.422	.25	-	-	-	117.8							
540	6.78	34.371	.27	-	-	-	109.1							
612	6.20	34.366	.24	-	-	-	102.1							
123.50					CALCOFI CRUISE 6607								123.50	
ALEXANDER AGASSIZ, JULY 24 1966, 0436 GMT, 26 57.5N 115 30W, SOUNDING 2000 FM, WIND 310 FORCE 4, WEATHER CLOUDY, SEA MISSING, WIRE ANGLE 30.														
1	19.17	33.528	5.65	-	-	-	403.9	0	19.17	33.528	5.65	23.88	403.9	0
10	19.12	33.523	5.64	-	-	-	403.0	10	19.12	33.523	5.64	23.88	403.0	.040
20	18.68K	33.51 G	-	-	-	-	393.4	20	18.68	33.510	5.65	23.98	393.4	.080
27	18.56	33.500	5.66	-	-	-	391.3	30	18.50	33.500	5.84	24.02	389.8	.119
30	18.50K	33.50 G	-	-	-	-	389.8	50	14.78	33.332	6.09	24.76	320.0	.191
35	16.72	33.413	6.14	-	-	-	355.4	75	12.97	33.331	5.72	25.13	284.6	.267
48	14.92	33.337	6.10	-	-	-	322.5	100	11.52	33.560	4.35	25.58	241.4	.333
61	14.16	33.321	6.01	-	-	-	308.3	125	10.67	33.796	3.45	25.92	209.4	.390
82	12.40	33.362	5.45	-	-	-	271.7	150	10.32	34.017	2.57	26.15	187.3	.440
98	11.66	33.547	4.41	-	-	-	244.8	200	9.79	34.242	1.52	26.42	162.1	.529
115	10.66	33.664	3.97	-	-	-	219.0	250	9.51	34.362	.79	26.56	148.8	.609
130	10.72	33.863	3.18	-	-	-	205.3	300	8.67	34.345	.64	26.68	137.2	.684
153	10.24	34.032	2.51	-	-	-	184.9	400	7.76	34.363	.35	26.83	122.8	.820
180	9.74	34.119	2.17	-	-	-	170.4	500	6.89	34.381	.24	26.97	109.8	.943
202	9.80	34.254	1.45	-	-	-	161.4							
240	9.70	34.363	.84	-	-	-	151.7							
281	8.86	34.333	.73	-	-	-	140.6							
347	8.34	34.372	.44	-	-	-	130.4							
417	7.59	34.363	.33	-	-	-	120.4							
493	6.94	34.378	.25	-	-	-	110.6							

123.60 CALCOFI CRUISE 6607 123.60

ALEXANDER AGASSIZ, JULY 24 1966, 0019 GMT, 26 36N 116 06W, SOUNDING 2020 FMt WIND 290 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 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
0	20.68	33.822	5.36	-	-	-	420.1	0	20.68	33.822	5.36	23.71	420.1	0
10	20.10	33.803	5.38	-	-	-	406.8	10	20.10	33.803	5.38	23.84	406.8	.041
20	20.02K	33.80 G	-	-	-	-	405.0	20	20.02	33.800	5.39	23.86	405.0	.082
29	19.94	33.803	5.40	-	-	-	402.8	30	19.93	33.800	5.46	23.89	402.8	.122
30	19.93K	33.80 G	-	-	-	-	402.8	50	16.30	33.580	6.01	24.61	334.0	.196
39	17.32	33.500	5.95	-	-	-	362.5	75	15.66	33.750	5.54	24.88	307.9	.277
50	16.30K	33.58 G	-	-	-	-	334.0	100	13.52	33.716	4.49	25.31	266.9	.350
54	16.22	33.596	5.95	-	-	-	331.1	125	12.15	33.773	3.67	25.63	237.0	.413
70	16.08	33.750	5.71	-	-	-	316.8	150	11.23	33.934	2.87	25.93	208.6	.470
94	13.84	33.705	4.75	-	-	-	273.8	200	10.43	34.184	1.83	26.26	176.8	.568
114	12.88	33.755	3.93	-	-	-	251.7	250	10.35	34.401	.87	26.44	159.5	.655
134	11.62	33.802	3.47	-	-	-	225.3	300	9.97	34.461	.50	26.56	148.7	.735
153	11.18	33.962	2.76	-	-	-	205.8	400	8.20	34.362	.45	26.76	129.1	.880
182	10.46	34.120	2.10	-	-	-	182.0	500	7.32	34.392	.22	26.92	114.6	1.010
216	10.41	34.240	1.59	-	-	-	172.3	600	6.39	34.405	.19	27.05	101.6	1.126
245	10.37	34.386	.94	-	-	-	160.9							
292	10.07	34.460	.54	-	-	-	150.5							
345	9.26	34.444	.39	-	-	-	138.8							
428	7.72	34.327	.48	-	-	-	124.9							
511	7.24	34.398	.20	-	-	-	113.1							
594	6.46	34.405	.19	-	-	-	102.5							

123.70 CALCOFI CRUISE 6607 123.70

ALEXANDER AGASSIZ, JULY 23 1966, 1718 GMT, 26 17.5N 116 46W, SOUNDING 2025 FM, WIND 030 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 06.

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
0	20.26	33.794	5.38	-	-	-	411.5	0	20.26	33.794	5.38	23.80	411.5	0
10	20.10	33.784	5.39	-	-	-	408.2	10	20.10	33.784	5.39	23.83	408.2	.041
20	20.10K	33.78 G	-	-	-	-	408.5	20	20.10	33.780	5.52	23.83	408.5	.082
30	18.44	33.568	5.74	-	-	-	383.5	30	18.44	33.568	5.74	24.09	383.5	.122
40	16.93	33.491	6.05	-	-	-	354.4	50	16.43	33.538	6.02	24.55	339.9	.194
50	16.43	33.538	6.02	-	-	-	339.9	75	15.35	33.450	6.02	24.72	323.2	.277
65	15.67	33.492	6.00	-	-	-	326.8	100	14.25	33.446	5.77	24.96	300.9	.356
75	15.35K	33.45 G	-	-	-	-	323.2	125	12.38	33.666	4.24	25.50	249.0	.426
80	14.83	33.387	6.02	-	-	-	317.0	150	11.16	33.813	3.75	25.84	216.5	.485
100	14.25	33.446	5.77	-	-	-	300.9	200	10.35	34.173	1.88	26.27	176.2	.585
125	12.38	33.666	4.24	-	-	-	249.0	250	9.60	34.298	1.17	26.49	155.0	.670
144	11.42	33.783	3.91	-	-	-	223.2	300	9.21	34.375	.66	26.61	143.2	.747
175	10.41	33.954	2.92	-	-	-	193.4	400	8.09	34.370	.39	26.79	126.9	.889
204	10.32	34.204	1.74	-	-	-	173.5	500	6.97	34.359	.28	26.94	112.5	1.016
233	9.76	34.255	1.43	-	-	-	160.6							
272	9.46	34.349	.86	-	-	-	149.0							
330	8.92	34.382	.54	-	-	-	138.2							
402	8.06	34.369	.39	-	-	-	126.6							
475	7.22	34.359	.31	-	-	-	115.7							
553	6.52	34.363	.23	-	-	-	106.4							

123.80 CALCOFI CRUISE 6607 123.80

ALEXANDER AGASSIZ, JULY 23 1966, 1237 GMT, 25 59.5N 117 24W, SOUNDING 2120 FM, WIND 020 FORCE 3, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 09.

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
0	20.20	33.747	5.39	-	-	-	413.4	0	20.20	33.747	5.39	23.78	413.4	0
10	20.04	33.739	5.35	-	-	-	409.9	10	20.04	33.739	5.35	23.81	409.9	.041
20	20.01K	33.74 G	-	-	-	-	409.1	20	20.01	33.740	5.40	23.82	409.1	.082
30	19.32	33.704	5.55	-	-	-	394.7	30	19.32	33.704	5.55	23.97	394.7	.122
40	18.09	33.726	5.83	-	-	-	363.8	50	17.52	33.699	5.94	24.41	352.7	.197
49	17.61	33.706	5.93	-	-	-	354.1	75	15.90	33.554	5.96	24.68	327.3	.283
64	16.36	33.591	6.00	-	-	-	334.5	100	14.88	33.505	5.86	24.87	309.4	.363
79	15.78	33.546	5.94	-	-	-	325.2	125	12.52	33.512	4.82	25.36	262.9	.435
99	14.98	33.509	5.89	-	-	-	311.1	150	11.59	33.782	3.73	25.74	226.2	.497
123	12.62	33.491	4.92	-	-	-	266.3	200	9.84	34.010	2.77	26.23	180.1	.601
143	11.88	33.732	3.96	-	-	-	235.1	250	9.36	34.182	1.83	26.44	159.8	.688
173	10.66	33.894	3.20	-	-	-	202.0	300	8.91	34.303	1.06	26.61	143.9	.767
202	9.80	34.018	2.74	-	-	-	178.8	400	7.88	34.336	.50	26.79	126.5	.908
231	9.58	34.119	2.21	-	-	-	167.9	500	6.76	34.327	.22	26.94	112.1	1.034
270	9.13	34.241	1.45	-	-	-	151.9							
328	8.71	34.338	.80	-	-	-	138.3							
400	7.88	34.336	.50	-	-	-	126.5							
472	7.03	34.323	.25	-	-	-	115.9							
551	6.34	34.347	.26	-	-	-	105.3							

127.34 CALCOFI CRUISE 6607 127.34

ALEXANDER AGASSIZ, JULY 24 1966, 1923 GMT, 26 55.5N 114 06W, SOUNDING 48 FM, WIND 320 FORCE 3, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 05.

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
0	17.35	33.533	6.21	-	-	-	360.8	0	17.35	33.533	6.21	24.33	360.8	0
10	15.09	33.345	6.11	-	-	-	325.4	10	15.09	33.345	6.11	24.70	325.4	.034
20	13.89	33.499	5.43	-	-	-	289.9	20	13.89	33.499	5.43	25.07	289.9	.065
30	13.21	33.628	4.53	-	-	-	267.3	30	13.21	33.628	4.53	25.31	267.3	.093
50	12.12	33.788	3.32	-	-	-	235.3	50	12.12	33.788	3.32	25.65	235.3	.144
75	11.74	33.971	1.47	-	-	-	215.0	75	11.74	33.971	1.47	25.86	215.0	.200

	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
127.40					CALCOFI CRUISE 6607								127.40	
ALEXANDER AGASSIZ, JULY 24 1966, 2227 GMT, 26 44N 114 29W, SOUNDING 1595 FM, WIND 310 FORCE 4, WEATHER DRIZZLE, SEA MISSING, WIRE ANGLE 13.														
0	20.98	33.715	5.37	-	-	-	435.5	0	20.98	33.715	5.37	23.54	435.5	0
10	20.98	33.713	5.36	-	-	-	435.7	10	20.98	33.713	5.36	23.54	435.7	.044
20	19.50K	33.63 G	-	-	-	-	404.5	20	19.50	33.630	5.68	23.87	404.5	.086
30	19.30K	33.62 G	-	-	-	-	400.3	30	19.30	33.620	6.00	23.91	400.3	.126
34	16.41	33.460	6.12	-	-	-	345.1	50	15.90	33.480	6.07	24.62	332.6	.200
45	15.93	33.484	6.07	-	-	-	333.0	75	13.56	33.556	5.01	25.18	279.3	.276
50	15.90K	33.48 G	-	-	-	-	332.6	100	11.96	33.761	3.56	25.66	234.3	.341
59	14.40	33.339	6.06	-	-	-	311.8	125	11.12	33.964	2.70	25.97	204.7	.397
74	13.63	33.546	5.08	-	-	-	281.4	150	10.54	34.101	2.21	26.18	184.8	.446
92	12.36	33.698	3.92	-	-	-	246.2	200	10.17	34.318	1.16	26.41	162.6	.535
116	11.36	33.886	3.00	-	-	-	214.5	250	9.78	34.383	.78	26.53	151.5	.616
135	10.90	34.042	2.41	-	-	-	195.1	300	9.11	34.385	.61	26.64	140.8	.692
164	10.29	34.142	2.05	-	-	-	177.6	400	8.10	34.383	.33	26.79	126.2	.832
192	10.20	34.292	1.30	-	-	-	165.0	500	7.24	34.387	.25	26.92	113.9	.959
231	9.98	34.374	.85	-	-	-	155.4	600	6.48	34.404	.20	27.04	102.8	1.076
259	9.67	34.386	.76	-	-	-	149.5							
307	9.01	34.384	.58	-	-	-	139.4							
369	8.42	34.391	.34	-	-	-	130.1							
465	7.48	34.369	.29	-	-	-	118.5							
552	6.86	34.402	.21	-	-	-	107.8							
625	6.28	34.401	.21	-	-	-	100.5							
127.50					CALCOFI CRUISE 6607								127.50	
ALEXANDER AGASSIZ, JULY 25 1966, 0338 GMT, 26 23.5N 115 08W, SOUNDING 1944 FM, WIND 330 FORCE 5, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 13.														
0	19.65	33.633	6.30	-	-	-	408.0	0	19.65	33.633	6.30	23.83	408.0	0
10	19.65	33.631	5.62	-	-	-	408.1	10	19.65	33.631	5.62	23.83	408.1	.041
20	19.50K	33.62 G	-	-	-	-	405.2	20	19.50	33.620	5.92	23.86	405.2	.082
34	16.21	33.558	6.23	-	-	-	333.6	30	17.34	33.582	6.16	24.37	357.0	.120
44	13.74	33.468	5.31	-	-	-	289.2	50	13.02	33.492	4.70	25.24	273.6	.183
58	12.54	33.564	4.01	-	-	-	259.4	75	11.98	33.712	3.66	25.61	238.4	.247
73	12.06	33.684	3.68	-	-	-	241.8	100	11.15	33.998	3.00	25.99	202.7	.303
93	11.32	33.952	3.37	-	-	-	209.0	125	10.64	34.099	2.12	26.16	186.6	.352
117	10.82	34.066	2.15	-	-	-	192.0	150	10.16	34.162	1.96	26.29	174.0	.398
136	10.41	34.137	2.07	-	-	-	179.9	200	9.89	34.345	.89	26.48	156.0	.482
167	9.96	34.197	1.72	-	-	-	168.1	250	9.15	34.334	.83	26.59	145.3	.560
196	9.94	34.343	.93	-	-	-	157.0	300	8.66	34.360	.55	26.69	135.9	.633
235	9.32	34.321	.80	-	-	-	148.9	400	7.77	34.381	.37	26.84	121.5	.768
264	9.01	34.349	.84	-	-	-	142.0	500	7.13	34.404	.45	26.95	111.2	.892
311	8.55	34.363	.44	-	-	-	134.1	600	6.27	34.394	.27	27.06	100.9	1.006
373	7.94	34.368	.31	-	-	-	124.9							
468	7.37	34.410	.45	-	-	-	113.9							
555	6.68	34.397	-	-	-	-	105.8							
628	6.00	34.394	.18	-	-	-	97.6							
127.60					CALCOFI CRUISE 6607								127.60	
ALEXANDER AGASSIZ, JULY 25 1966, 0852 GMT, 26 03.5N 115 47W, SOUNDING 2000 FM, WIND 310 FORCE 3, WEATHER MISSING, SEA MISSING, WIRE ANGLE 16.														
0	19.98	33.662	5.52	-	-	-	414.0	0	19.98	33.662	5.52	23.77	414.0	0
10	19.99	33.661	5.50	-	-	-	414.4	10	19.99	33.661	5.50	23.76	414.4	.041
20	19.99K	33.66 G	-	-	-	-	414.4	20	19.99	33.660	5.75	23.76	414.4	.083
30	15.70K	33.38 G	-	-	-	-	335.7	30	15.70	33.380	5.98	24.59	335.7	.121
34	15.56	33.372	6.06	-	-	-	333.3	50	14.00	33.340	5.45	24.93	303.7	.185
43	14.34	33.308	5.96	-	-	-	312.8	75	11.80	33.730	3.53	25.66	233.8	.252
50	14.00K	33.34 G	-	-	-	-	303.7	100	11.21	33.872	2.91	25.88	212.9	.309
58	13.25	33.543	4.70	-	-	-	274.3	125	10.53	33.998	2.54	26.10	192.2	.360
72	12.32	33.692	3.65	-	-	-	246.0	150	10.22	34.098	2.16	26.23	179.6	.407
75	11.80K	33.73 G	-	-	-	-	233.8	200	9.72	34.253	1.31	26.44	160.2	.494
91	11.40	33.813	3.14	-	-	-	220.6	250	9.36	34.359	.67	26.58	146.7	.573
115	10.86	33.963	2.61	-	-	-	200.3	300	8.75	34.357	.52	26.68	137.4	.647
135	10.24	34.028	2.47	-	-	-	185.2	400	7.66	34.354	.35	26.84	122.1	.782
164	10.20	34.162	1.83	-	-	-	174.6	500	6.84	34.371	.23	26.97	109.9	.906
192	9.78	34.232	1.42	-	-	-	162.7	600	6.17	34.389	.20	27.07	100.1	1.018
229	9.56	34.323	.92	-	-	-	152.4							
256	9.30	34.366	.61	-	-	-	145.2							
302	8.72	34.356	.52	-	-	-	137.1							
362	8.04	34.350	.41	-	-	-	127.7							
456	7.16	34.364	.27	-	-	-	114.6							
542	6.55	34.378	.21	-	-	-	105.6							
612	6.10	34.392	.20	-	-	-	99.0							

INPUT

Z	T	S	DXY	PHO	SIL	NIT	D*T

OUTPUT AT STANDARD LEVELS OF DEPTH

Z	T	S	DXY	SIG*T	D*T	CC

127.70 CALCOFI CRUISE 6607 127.70

ALEXANDER AGASSIZ, JULY 25 1966, 1414 GMT, 25 44N 116 25.5W, SOUNDING 2050 FM, WIND 330 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 17.

Z	T	S	DXY	PHO	SIL	NIT	D*T
0	20.26	33.837	5.39	-	-	-	408.4
9	20.26	33.836	5.35	-	-	-	408.4
28	20.18	33.870	5.38	-	-	-	404.0
30	20.17K	33.87 G	-	-	-	-	403.7
38	19.04	33.878	5.69	-	-	-	375.3
52	18.22	33.921	5.83	-	-	-	352.6
66	16.58	33.672	5.95	-	-	-	333.4
75	15.30K	33.72 G	-	-	-	-	302.4
89	14.90	33.752	5.16	-	-	-	291.7
100	13.80K	33.73 G	-	-	-	-	271.2
108	13.49	33.733	4.61	-	-	-	264.9
126	12.00	33.767	3.78	-	-	-	234.6
144	11.38	33.840	3.30	-	-	-	218.3
171	10.64	34.064	2.24	-	-	-	189.1
202	10.30	34.176	1.79	-	-	-	175.2
228	10.02	34.257	1.37	-	-	-	164.7
270	9.54	34.338	.82	-	-	-	151.0
318	8.80	34.314	.71	-	-	-	141.5
393	8.08	34.379	.31	-	-	-	126.1
470	7.28	34.360	.24	-	-	-	116.5
548	6.54	34.344	.38	-	-	-	108.0

Z	T	S	DXY	SIG*T	D*T	CC
0	20.26	33.837	5.39	23.83	408.4	0
10	20.26	33.838	5.35	23.83	408.2	.041
20	20.22	33.856	5.36	23.85	406.0	.082
30	20.17	33.870	5.44	23.88	403.7	.122
50	18.32	33.923	5.81	24.39	354.8	.198
75	15.30	33.720	5.71	24.94	302.4	.281
100	13.80	33.730	4.86	25.27	271.2	.353
125	12.09	33.764	3.83	25.63	236.4	.417
150	11.19	33.889	3.06	25.90	211.4	.474
200	10.31	34.171	1.81	26.27	175.8	.573
250	9.78	34.309	1.05	26.47	157.0	.658
300	9.08	34.327	.76	26.60	144.6	.737
400	8.00	34.377	.30	26.80	125.2	.878
500	6.99	34.353	.27	26.93	113.1	1.004

127.80 CALCOFI CRUISE 6607 127.80

ALEXANDER AGASSIZ, JULY 25 1966, 1644 GMT, 25 24N 117 02.5W, SOUNDING 2050 FM, WIND 340 FORCE 2, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 12.

Z	T	S	DXY	PHO	SIL	NIT	D*T
0	20.78	33.800	5.39	-	-	-	424.2
10	20.64	33.795	5.39	-	-	-	421.0
29	20.22	33.772	5.43	-	-	-	412.1
39	18.69	33.805	5.83	-	-	-	372.2
50	17.75K	33.81 G	-	-	-	-	349.8
54	17.68	33.811	5.91	-	-	-	348.1
68	16.84	33.792	5.85	-	-	-	330.4
94	15.46	33.751	5.44	-	-	-	303.5
100	15.34K	33.74 G	-	-	-	-	301.7
113	13.68	33.702	4.39	-	-	-	270.9
133	12.56	33.726	4.05	-	-	-	247.7
152	11.84	33.800	3.53	-	-	-	229.3
180	10.97	33.978	2.61	-	-	-	201.1
213	10.52	34.171	1.86	-	-	-	179.2
241	10.06	34.260	1.41	-	-	-	165.1
290	9.66	34.360	.83	-	-	-	151.3
342	9.02	34.371	.55	-	-	-	140.5
425	8.03	34.373	.35	-	-	-	125.8
507	6.96	34.357	.22	-	-	-	112.4
590	6.36	34.389	.18	-	-	-	102.4

Z	T	S	DXY	SIG*T	D*T	CC
0	20.78	33.800	5.39	23.66	424.2	0
10	20.64	33.795	5.39	23.70	421.0	.042
20	20.44	33.777	5.41	23.73	417.3	.084
30	20.07	33.775	5.47	23.83	408.1	.126
50	17.75	33.810	5.90	24.44	349.8	.202
75	16.39	33.782	5.77	24.74	321.2	.286
100	15.34	33.740	5.10	24.95	301.7	.365
125	12.88	33.708	4.15	25.44	255.1	.435
150	11.91	33.790	3.59	25.69	231.2	.496
200	10.67	34.102	2.12	26.16	186.8	.603
250	9.97	34.284	1.28	26.42	161.9	.693
300	9.54	34.366	.76	26.55	149.0	.773
400	8.33	34.373	.39	26.75	130.1	.919
500	7.03	34.357	.23	26.93	113.4	1.049
600	6.32	34.396	.18	27.06	101.4	1.164

130.30 CALCOFI CRUISE 6607 130.30

ALEXANDER AGASSIZ, JULY 27 1966, 0739 GMT, 26 29N 113 28W, SOUNDING 44 FM, WIND 290 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 23.

Z	T	S	DXY	PHO	SIL	NIT	D*T
0	20.53	33.988	5.58	-	-	-	404.2
9	20.31	33.983	5.57	-	-	-	399.0
18	14.38	33.899	2.21	-	-	-	270.3
28	12.67	33.918	1.84	-	-	-	235.8
46	12.84	34.319	.28	-	-	-	209.5
69	12.76	34.323	.20	-	-	-	207.7

Z	T	S	DXY	SIG*T	D*T	CC
0	20.53	33.988	5.58	23.87	404.2	0
10	19.69	33.973	5.21	24.08	384.2	.039
20	13.78	33.898	2.01	25.40	258.5	.072
30	12.70	33.980	1.60	25.68	231.8	.096
50	12.85	34.320	.27	25.92	209.6	.141

130.40 CALCOFI CRUISE 6607 130.40

ALEXANDER AGASSIZ, JULY 27 1966, 0236 GMT, 26 09.5N 114 07.5W, SOUNDING 1150 FM, WIND 290 FORCE 4, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 42.

Z	T	S	DXY	PHO	SIL	NIT	D*T
2	18.26	33.496	5.89	-	-	-	384.5
9	17.28	33.475	6.12	-	-	-	363.4
20	16.80K	33.53 G	-	-	-	-	348.6
28	15.92	33.584	6.02	-	-	-	325.5
35	15.46	33.583	6.12	-	-	-	315.7
46	14.18	33.449	6.01	-	-	-	299.3
57	13.70	33.741	4.50	-	-	-	268.4
70	13.20	34.043	2.42	-	-	-	236.6
75	13.30K	34.13 G	-	-	-	-	237.1
86	12.98	34.270	1.35	-	-	-	215.7
98	12.90	34.333	1.13	-	-	-	209.6
115	12.64	34.479	.78	-	-	-	194.0
131	12.54	34.630	.43	-	-	-	183.2
153	12.08	34.655	.28	-	-	-	170.7
170	11.85	34.662	.25	-	-	-	166.0
197	11.40	34.636	.24	-	-	-	160.0
235	10.94	34.611	.24	-	-	-	153.8
298	10.50	34.612	.19	-	-	-	146.3
363	9.24	34.477	.36	-	-	-	136.1
420	8.50	34.460	.25	-	-	-	126.2

Z	T	S	DXY	SIG*T	D*T	CC
0	18.26	33.496	5.89	24.08	384.5	0
10	17.23	33.477	6.12	24.31	362.0	.037
20	16.80	33.530	6.09	24.45	348.6	.073
30	15.79	33.586	6.05	24.73	322.5	.107
50	13.96	33.532	5.56	25.08	288.8	.168
75	13.30	34.130	1.87	25.68	232.1	.233
100	12.87	34.349	1.09	25.93	207.9	.289
125	12.58	34.560	.55	26.15	187.0	.339
150	12.15	34.650	.30	26.31	172.4	.385
200	11.36	34.633	.24	26.44	159.4	.470
250	10.85	34.615	.22	26.52	152.0	.550
300	10.45	34.606	.20	26.59	146.0	.628
400	8.72	34.466	.32	26.76	129.0	.773

130.50 CALCOFI CRUISE 6607 130.50

ALEXANDER AGASSIZ, JULY 26 1966, 2110 GMT, 25 49N 114 45.5W, SOUNDING 1916 FM, WIND 310 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 22.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T
0	20.45	33.621	5.44	-	-	-	428.8
9	20.10	33.616	5.44	-	-	-	420.4
20	20.00K	33.61 G	-	-	-	-	418.3
28	18.60	33.550	5.89	-	-	-	388.6
37	18.09	33.626	5.88	-	-	-	371.0
51	17.54	33.889	5.77	-	-	-	339.2
64	15.96	33.673	5.77	-	-	-	319.8
75	15.00K	33.68 G	-	-	-	-	299.0
87	14.15	33.685	4.95	-	-	-	281.4
105	12.60	33.724	3.99	-	-	-	248.7
123	11.45	33.913	3.05	-	-	-	214.1
141	11.68	34.246	1.26	-	-	-	193.6
167	11.89	34.482	.54	-	-	-	180.0
197	11.54	34.603	.34	-	-	-	164.9
224	11.28	34.622	.29	-	-	-	158.9
268	10.80	34.636	.22	-	-	-	149.6
317	10.10	34.591	.21	-	-	-	141.3
394	8.76	34.497	.21	-	-	-	127.3
473	7.84	34.475	.21	-	-	-	115.6
552	6.78	34.451	.24	-	-	-	103.1

OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
0	20.45	33.621	5.44	23.61	428.8	0
10	20.08	33.615	5.46	23.71	420.0	.042
20	20.00	33.610	5.70	23.72	418.3	.084
30	18.43	33.557	5.89	24.08	384.1	.125
50	17.59	33.876	5.78	24.53	341.4	.197
75	15.00	33.680	5.47	24.97	299.0	.278
100	13.03	33.704	4.27	25.40	258.2	.348
125	11.44	33.950	2.85	25.90	211.3	.408
150	11.79	34.351	.86	26.14	187.8	.458
200	11.51	34.607	.33	26.40	164.0	.548
250	11.01	34.635	.24	26.51	153.3	.630
300	10.36	34.611	.21	26.61	144.1	.708
400	8.70	34.495	.21	26.79	126.4	.850
500	7.49	34.467	.22	26.95	111.4	.977

130.60 CALCOFI CRUISE 6607 130.60

ALEXANDER AGASSIZ, JULY 26 1966, 1532 GMT, 25 29N 115 24W, SOUNDING 2044 FM, WIND 330 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 05.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T
0	20.44	33.769	5.40	-	-	-	417.8
10	20.24	33.772	5.40	-	-	-	412.6
30	19.86	33.814	5.44	-	-	-	400.0
40	16.87	33.563	6.09	-	-	-	347.8
50	16.48K	33.68 G	-	-	-	-	330.6
55	16.61	33.763	5.91	-	-	-	327.4
70	16.22	33.840	5.67	-	-	-	313.3
75	16.12K	33.84 G	-	-	-	-	311.1
95	13.77	33.810	4.62	-	-	-	264.7
100	13.60K	33.81 G	-	-	-	-	261.4
116	11.70	33.828	3.55	-	-	-	224.8
136	10.99	34.022	2.55	-	-	-	198.1
155	10.64	34.111	2.25	-	-	-	185.7
185	10.30	34.272	1.55	-	-	-	168.1
219	9.94	34.343	1.57U	-	-	-	157.0
249	9.56	34.401	-	-	-	-	146.7
298	8.94	34.419	.58	-	-	-	135.8
352	8.22	34.440	.34	-	-	-	123.6
436	7.44	34.433	.27	-	-	-	113.2
520	6.72	34.429	.24	-	-	-	104.0
604	6.06	34.432	.22	-	-	-	95.5

OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
0	20.44	33.769	5.40	23.73	417.8	0
10	20.24	33.772	5.40	23.78	412.6	.042
20	20.05	33.835	5.42	23.88	403.3	.082
30	19.86	33.814	5.44	23.92	400.0	.123
50	16.48	33.680	6.05	24.64	330.6	.196
75	16.12	33.840	5.50	24.85	311.1	.277
100	13.60	33.810	4.37	25.37	261.4	.349
125	11.24	33.910	3.06	25.90	210.8	.409
150	10.71	34.092	2.30	26.14	188.3	.459
200	10.14	34.311	1.33	26.41	162.7	.549
250	9.55	34.402	.79	26.58	146.4	.628
300	8.91	34.420	.57	26.70	135.3	.702
400	7.75	34.439	.30	26.89	117.0	.834
500	6.89	34.429	.25	27.01	106.1	.953
600	6.09	34.432	.22	27.11	95.9	1.062

130.70 CALCOFI CRUISE 6607 130.70

ALEXANDER AGASSIZ, JULY 26 1966, 1007 GMT, 25 09N 116 01.5W, SOUNDING 2090 FM, WIND 360 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 09.

INPUT Z	T	S	OXY	PHO	SIL	NIT	D*T
0	20.63	33.797	5.31	-	-	-	420.6
10	20.60	33.797	5.34	-	-	-	419.9
20	20.25K	33.83 G	-	-	-	-	408.6
30	20.17	33.837	5.38	-	-	-	406.1
50	18.50K	33.85 G	-	-	-	-	364.4
59	18.00	33.856	5.87	-	-	-	352.2
69	17.06	33.762	5.87	-	-	-	337.5
84	15.66	33.588	5.85	-	-	-	319.6
100	14.52	33.575	5.46	-	-	-	296.9
115	13.14	33.694	4.16	-	-	-	261.1
139	11.85	33.826	3.20	-	-	-	227.6
159	10.98	33.955	2.63	-	-	-	202.9
188	10.68	34.152	1.82	-	-	-	183.3
216	10.01	34.157	1.86	-	-	-	171.9
245	9.73	34.248	1.30	-	-	-	160.7
292	9.36	34.335	.74	-	-	-	148.4
345	8.58	34.316	.59	-	-	-	138.0
426	7.79	34.336	.35	-	-	-	125.2
509	7.16	34.395	.18	-	-	-	112.3
592	6.34	34.389	.17	-	-	-	102.2

OUTPUT AT STANDARD LEVELS OF DEPTH Z	T	S	OXY	SIG*T	D*T	DD
0	20.63	33.797	5.31	23.70	420.6	0
10	20.60	33.797	5.34	23.71	419.9	.042
20	20.25	33.830	5.36	23.83	408.6	.084
30	20.17	33.837	5.38	23.85	406.1	.124
50	18.50	33.850	5.73	24.29	364.4	.202
75	16.48	33.685	5.86	24.65	330.2	.289
100	14.52	33.575	5.46	25.00	296.9	.368
125	12.52	33.752	3.66	25.54	245.2	.436
150	11.33	33.896	2.87	25.88	213.3	.495
200	10.39	34.154	1.82	26.24	178.3	.594
250	9.70	34.261	1.22	26.45	159.1	.681
300	9.25	34.335	.70	26.58	146.7	.760
400	8.01	34.324	.42	26.76	129.1	.905
500	7.24	34.392	.19	26.93	113.5	1.033
600	6.25	34.385	.17	27.06	101.4	1.149

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	CC
130.80					CALCOFI CRUISE 6607								130.80	
ALEXANDER AGASSIZ, JULY 26 1966, 0533 GMT, 24 50N 116 39.5W, SOUNDING 2180 FM, WIND 320 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 11.														
0	21.48	33.869	5.27	-	-	-	437.3	0	21.48	33.869	5.27	23.52	437.3	0
10	21.45	33.889	5.26	-	-	-	435.1	10	21.45	33.889	5.26	23.55	435.1	.044
20	21.32K	33.88 G	-	-	-	-	432.4	20	21.32	33.880	5.39	23.58	432.4	.087
30	19.94	33.837	-	-	-	-	400.3	30	19.94	33.837	5.55	23.91	400.3	.129
39	19.04	33.847	5.72	-	-	-	377.5	50	18.26	33.798	5.84	24.31	362.4	.205
54	18.04	33.781	5.87	-	-	-	358.6	75	17.40	33.820	5.79	24.53	341.0	.294
69	17.45	33.628	5.83	-	-	-	341.6	100	15.90	33.730	5.36	24.81	314.4	.376
75	17.40K	33.82 G	-	-	-	-	341.0	125	13.17	33.774	3.75	25.43	255.8	.448
94	16.08	33.735	5.64	-	-	-	317.9	150	12.01	33.937	2.72	25.78	222.2	.509
100	15.90K	33.73 G	-	-	-	-	314.4	200	10.88	34.183	1.75	26.18	184.4	.613
114	13.98	33.729	4.51	-	-	-	274.8	250	10.13	34.341	1.07	26.44	160.2	.701
134	12.75	33.829	3.19	-	-	-	243.8	300	9.46	34.366	.70	26.57	147.7	.781
153	11.89	33.957	2.67	-	-	-	218.7	400	8.16	34.355	.40	26.76	129.1	.926
181	11.18	34.085	2.11	-	-	-	196.8	500	7.09	34.357	.25	26.92	114.1	1.055
215	10.68	34.253	1.50	-	-	-	175.8	600	6.41	34.379	.19	27.03	103.8	1.172
244	10.22	34.333	1.13	-	-	-	162.3							
293	9.54	34.364	.73	-	-	-	149.1							
346	8.93	34.369	.54	-	-	-	139.3							
429	7.76	34.347	.34	-	-	-	124.0							
512	6.99	34.359	.24	-	-	-	112.7							
594	6.44	34.377	.19	-	-	-	104.3							
130.90					CALCOFI CRUISE 6607								130.90	
ALEXANDER AGASSIZ, JULY 26 1966, 0048 GMT, 24 28N 117 16W, SOUNDING 1800+ FM, WIND 330 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 10.														
0	21.74	33.917	5.58	-	-	-	440.7	0	21.74	33.917	5.58	23.49	440.7	0
10	21.38	33.918	4.93U	-	-	-	431.2	10	21.38	33.918	5.43	23.59	431.2	.044
20	21.30K	33.93 G	-	-	-	-	428.2	20	21.30	33.930	5.38	23.62	428.2	.087
30	20.84	34.330	5.42	-	-	-	387.4	30	20.84	34.330	5.42	24.05	387.4	.128
40	20.26	34.326	5.56	-	-	-	372.9	50	19.87	34.310	5.59	24.29	364.3	.203
50	19.87K	34.31 G	-	-	-	-	364.3	75	17.48	33.884	5.42	24.56	338.3	.291
54	19.84	34.308	5.58	-	-	-	363.7	100	16.60	33.840	5.37	24.74	321.6	.374
69	17.90	33.938	5.30	-	-	-	343.9	125	13.47	33.760	4.20	25.36	262.6	.448
93	16.81	33.851	5.65	-	-	-	325.5	150	11.63	33.772	3.79	25.73	227.6	.510
100	16.60K	33.84 G	-	-	-	-	321.6	200	10.33	34.112	2.18	26.22	180.5	.614
113	14.54	33.791	4.69	-	-	-	281.5	250	9.47	34.216	1.55	26.45	159.0	.702
134	12.90	33.751	3.93	-	-	-	252.4	300	9.05	34.303	.88	26.58	146.1	.780
153	11.42	33.783	3.74	-	-	-	223.2	400	8.16	34.373	.35	26.78	127.7	.924
182	10.74	34.048	2.37	-	-	-	192.0	500	7.06	34.374	.22	26.94	112.6	1.051
215	10.02	34.138	2.02	-	-	-	173.5	600	6.22	34.383	.22	27.06	101.2	1.166
244	9.54	34.204	1.64	-	-	-	160.9							
292	9.10	34.289	.96	-	-	-	147.8							
345	8.77	34.364	.52	-	-	-	137.3							
428	7.81	34.376	.32	-	-	-	122.5							
512	6.95	34.374	.21	-	-	-	111.0							
595	6.26	34.382	.22	-	-	-	101.7							
133.25					CALCOFI CRUISE 6607								133.25	
ALEXANDER AGASSIZ, JULY 27 1966, 1350 GMT, 26 04.5N 112 48W, SOUNDING 43 FM, WIND 280 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 09.														
0	22.58	34.085	5.40	-	-	-	451.0	0	22.58	34.085	5.40	23.38	451.0	0
10	22.54	34.073	5.38	-	-	-	450.8	10	22.54	34.073	5.38	23.38	450.8	.045
20	16.82	33.908	4.74	-	-	-	321.5	20	16.82	33.908	4.74	24.74	321.5	.084
30	14.49	34.096	2.30	-	-	-	258.1	30	14.49	34.096	2.30	25.40	258.1	.113
49	13.37	34.402	.50	-	-	-	213.5	50	13.34	34.412	.44	25.89	212.2	.160
74	13.26	34.443	.22	-	-	-	208.4							
133.30					CALCOFI CRUISE 6607								133.30	
ALEXANDER AGASSIZ, JULY 27 1966, 1637 GMT, 25 54.5N 113 07.5W, SOUNDING 107 FM, WIND 310 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 08.														
0	20.95	33.987	5.60	-	-	-	415.0	0	20.95	33.987	5.60	23.76	415.0	0
10	20.78	33.985	5.53	-	-	-	410.8	10	20.78	33.985	5.53	23.80	410.8	.041
20	15.05K	33.75 G	-	-	-	-	295.0	20	15.05	33.750	4.66	25.02	295.0	.077
25	14.04	33.735	4.16	-	-	-	275.6	30	13.52	33.783	3.88	25.37	261.8	.105
30	13.52	33.783	3.88	-	-	-	261.8	50	12.94	34.056	2.30	25.69	230.8	.154
40	12.99	33.933	2.85	-	-	-	240.7	75	12.64	34.321	1.10	25.96	205.6	.209
55	12.91	34.113	2.09	-	-	-	226.0	100	12.47	34.451	.70	26.09	192.8	.259
69	12.70	34.276	1.16	-	-	-	210.0	125	12.42	34.531	.61	26.16	186.0	.307
84	12.56	34.372	1.00	-	-	-	200.4	150	12.26	34.572	.50	26.23	180.1	.354
104	12.45	34.467	.63	-	-	-	191.3							
129	12.40	34.540	.60	-	-	-	185.0							
154	12.22	34.575	.47	-	-	-	179.2							

	INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH						
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD
133.40					CALCOFI CRUISE 6607								133.40	

ALEXANDER AGASSIZ, JULY 27 1966, 2140 GMT, 25 34N 113 50W, SOUNDING 1760 FM, WIND 300 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 12.

0	22.86	33.807	5.37	-	-	-	478.7	0	22.86	33.807	5.37	23.09	478.7	0
10	22.60	33.832	5.31	-	-	-	469.8	10	22.60	33.832	5.31	23.18	469.8	.047
20	17.30K	33.52 G	-	-	-	-	360.6	20	17.30	33.520	5.89	24.33	360.6	.089
29	15.44	33.459	6.35	-	-	-	324.4	30	15.30	33.460	6.34	24.74	321.3	.123
39	14.41	33.508	6.07	-	-	-	299.6	50	14.00	33.610	4.17	25.13	283.9	.184
50	14.00K	33.61 G	-	-	-	-	283.9	75	12.42	34.010	2.41	25.76	224.4	.248
54	13.48	33.813	3.43	-	-	-	258.9	100	11.31	34.130	2.09	26.06	195.7	.301
68	12.40	33.950	2.62	-	-	-	228.4	125	10.57	34.202	1.89	26.25	177.7	.348
75	12.42K	34.01 G	-	-	-	-	224.4	150	10.74	34.382	1.14	26.36	167.4	.392
94	11.54	34.105	2.15	-	-	-	201.6	200	10.78	34.589	.37	26.51	152.7	.474
114	10.86	34.179	1.97	-	-	-	184.3	250	10.25	34.591	.27	26.61	143.7	.551
133	10.46	34.230	1.77	-	-	-	173.9	300	9.84	34.591	.19	26.68	137.0	.624
152	10.79	34.401	1.06	-	-	-	166.8	400	8.43	34.493	.22	26.83	122.7	.761
180	10.81	34.529	.57	-	-	-	157.7	500	7.35	34.446	.18	26.96	110.9	.885
214	10.70	34.611	.29	-	-	-	149.7	600	6.43	34.432	.21	27.07	100.1	.999
242	10.31	34.591	.28	-	-	-	144.7							
290	9.96	34.595	.20	-	-	-	138.7							
343	9.24	34.560	.17	-	-	-	129.9							
424	8.11	34.467	.24	-	-	-	120.0							
507	7.28	34.445	.18	-	-	-	110.1							
589	6.53	34.433	.20	-	-	-	101.3							

133.50					CALCOFI CRUISE 6607								133.50	

ALEXANDER AGASSIZ, JULY 28 1966, 0217 GMT, 25 15N 114 29W, SOUNDING 1890 FM, WIND 290 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 22.

0	19.62	33.605	5.77	-	-	-	409.3	0	19.62	33.605	5.77	23.82	409.3	0
9	18.72	33.558	5.82	-	-	-	390.9	10	18.72	33.560	5.83	24.01	390.7	.040
10	18.72K	33.56 G	-	-	-	-	390.7	20	17.73	33.586	5.94	24.28	365.6	.078
32	16.11	33.614	6.04	-	-	-	327.4	30	16.41	33.610	6.03	24.61	334.3	.113
42	15.53	33.623	6.00	-	-	-	314.3	50	14.00	33.660	5.16	25.17	280.3	.175
50	14.00K	33.66 G	-	-	-	-	280.3	75	12.32	34.100	1.08	25.85	215.9	.237
55	13.70	33.703	4.38	-	-	-	271.2	100	11.48	34.240	1.14	26.12	190.5	.288
69	12.78	34.049	1.61	-	-	-	228.2	125	11.67	34.447	.69	26.24	178.7	.335
75	12.32K	34.10 G	-	-	-	-	215.9	150	11.67	34.563	.39	26.33	170.0	.380
87	12.34	34.250	.75	-	-	-	205.3	200	11.12	34.655	.23	26.50	153.7	.463
100	11.43K	34.24 G	-	-	-	-	190.5	250	9.98	34.547	.36	26.62	142.5	.539
109	11.44	34.254	1.41	-	-	-	188.8	300	9.21	34.493	.33	26.71	134.3	.611
126	11.69	34.461	.64	-	-	-	178.0	400	7.89	34.430	.33	26.86	119.7	.745
151	11.66	34.567	.38	-	-	-	169.6	500	6.81	34.398	.28	26.99	107.5	.865
176	11.52	34.641	.30	-	-	-	161.7	600	6.38	34.478	.17	27.11	96.1	.975
209	10.92	34.650	.22	-	-	-	150.6							
234	10.24	34.556	.36	-	-	-	146.1							
276	9.64	34.530	.31	-	-	-	138.4							
332	8.64	34.444	.36	-	-	-	129.4							
417	7.74	34.426	.32	-	-	-	117.8							
498	6.83	34.398	.28	-	-	-	107.7							
568	6.44	34.439	.21	-	-	-	99.7							

133.60					CALCOFI CRUISE 6607								133.60	

ALEXANDER AGASSIZ, JULY 28 1966, 0655 GMT, 24 54.5N 115 02.5W, SOUNDING 2121 FM, WIND 300 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 15.

0	21.54	33.758	5.33	-	-	-	446.9	0	21.54	33.758	5.33	23.42	446.9	0
10	21.51	33.747	5.36	-	-	-	447.0	10	21.51	33.747	5.36	23.42	447.0	.045
34	18.06	33.808	6.01	-	-	-	357.1	20	20.28	33.779	5.64	23.78	413.1	.088
43	17.11	33.773	5.99	-	-	-	337.9	30	18.75	33.801	5.91	24.19	374.0	.127
58	15.98	33.640	5.95	-	-	-	322.7	50	16.56	33.715	5.98	24.65	329.8	.198
72	14.78	33.548	5.86	-	-	-	304.2	75	14.51	33.549	5.74	24.98	298.5	.277
92	13.26	33.609	4.81	-	-	-	269.6	100	13.00	33.640	4.32	25.36	262.4	.348
100	13.00K	33.64 G	-	-	-	-	262.4	125	11.60	33.933	3.00	25.86	215.3	.408
115	11.91	33.839	3.45	-	-	-	228.0	150	11.13	34.146	2.10	26.11	191.5	.460
134	11.45	34.009	2.65	-	-	-	207.1	200	10.42	34.396	1.01	26.43	160.9	.550
162	10.93	34.234	1.75	-	-	-	181.5	250	9.84	34.446	.69	26.57	147.7	.629
191	10.52	34.366	1.16	-	-	-	164.8	300	9.25	34.438	.59	26.66	139.0	.704
228	10.12	34.451	.70	-	-	-	151.9	400	8.72	34.537	.21	26.82	123.8	.842
256	9.76	34.442	.70	-	-	-	146.8	500	7.46	34.494	.16	26.98	108.8	.966
303	9.22	34.439	.58	-	-	-	138.6	600	6.26	34.445	.20	27.10	97.0	1.077
364	8.96	34.510	.24	-	-	-	129.3							
458	8.16	34.545	.17	-	-	-	114.9							
543	6.86	34.460	.17	-	-	-	103.5							
615	6.14	34.442	.21	-	-	-	95.7							

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

137.23 CALCOFI CRUISE 6607 137.23

ALEXANDER AGASSIZ, JULY 29 1966, 0651 GMT, 25 34N 112 19W, SOUNDING 40 FM, WIND 290 FORCE 2, WEATHER CLOUDY, SEA MISSING, WIRE ANGLE 04.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	22.34	34.043	5.68	-	-	-	447.5
10	21.90	34.009	5.41	-	-	-	438.3
15	17.98	33.848	5.64	-	-	-	352.3
20	16.32	33.778	5.36	-	-	-	320.0
30	15.24	34.012	3.32	-	-	-	279.8
50	13.58	34.160	2.01	-	-	-	235.4

Z	T	S	OXY	SIG*T	D*T	DD
0	22.34	34.043	5.68	23.42	447.5	0
10	21.90	34.009	5.41	23.51	438.3	.044
20	16.32	33.778	5.36	24.76	320.0	.082
30	15.24	34.012	3.32	25.18	279.8	.112
50	13.58	34.160	2.01	25.64	235.4	.164

137.30 CALCOFI CRUISE 6607 137.30

ALEXANDER AGASSIZ, JULY 29 1966, 0335 GMT, 35 28.5N 112 47W, SOUNDING 130 FM, WIND 300 FORCE 3, WEATHER CLOUDY, SEA MISSING, WIRE ANGLE 22.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	22.32	33.843	5.28	-	-	-	461.5
9	22.32	33.837	5.22	-	-	-	461.9
10	22.32K	33.84 G	-	-	-	-	461.7
28	17.92	33.759	5.94	-	-	-	357.4
42	16.35	33.689	5.95	-	-	-	327.1
51	15.92	33.719	5.83	-	-	-	315.6
65	13.70	33.717	4.50	-	-	-	270.2
79	13.53	33.773	4.10	-	-	-	262.8
97	12.88	34.238	1.54	-	-	-	216.2
121	12.86	34.451	.86	-	-	-	200.2
139	12.70	34.569	.48	-	-	-	188.5
167	12.35	34.641	.33	-	-	-	178.7
191	11.91	34.631	.27	-	-	-	169.4

Z	T	S	OXY	SIG*T	D*T	DD
0	22.32	33.843	5.28	23.27	461.5	0
10	22.32	33.840	5.25	23.27	461.7	.046
20	20.22	33.811	5.62	23.82	409.3	.090
30	17.61	33.745	5.95	24.43	351.3	.128
50	15.98	33.715	5.86	24.79	317.1	.195
75	13.59	33.740	4.24	25.32	266.4	.268
100	12.88	34.279	1.36	25.88	213.1	.329
125	12.83	34.481	.76	26.04	197.4	.381
150	12.58	34.608	.41	26.19	183.5	.429
200	11.71	34.610	.26	26.36	167.4	.519

137.40 CALCOFI CRUISE 6607 137.40

ALEXANDER AGASSIZ, JULY 28 1966, 2151 GMT, 24 56N 113 23W, SOUNDING 2050 FM, WIND 300 FORCE 4, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 02.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	22.76	33.846	5.22	-	-	-	473.1
10	22.71	33.837	5.22	-	-	-	472.4
20	18.50K	33.79 G	-	-	-	-	368.8
30	15.08	33.761	5.51	-	-	-	294.8
40	12.46	33.687	4.16	-	-	-	248.9
50	12.40K	33.72 G	-	-	-	-	245.4
55	12.14	33.847	3.09	-	-	-	231.3
70	11.58	33.889	3.01	-	-	-	218.2
96	11.06	34.049	2.43	-	-	-	197.3
100	11.03K	34.08 G	-	-	-	-	194.5
116	11.34	34.362	.97	-	-	-	179.1
125	11.31K	34.38 G	-	-	-	-	177.3
136	10.86	34.382	1.28	-	-	-	169.4
156	10.54	34.389	1.03	-	-	-	163.5
186	10.14	34.409	.72	-	-	-	155.4
221	9.82	34.467	.55	-	-	-	145.9
250	9.52	34.500	.34	-	-	-	138.7
300	9.06	34.498	.29	-	-	-	131.7
354	8.48	34.482	.23	-	-	-	124.2
437	7.53	34.460	.19	-	-	-	112.4
520	6.70	34.445	.18	-	-	-	102.5
604	6.16	34.455	.17	-	-	-	95.0

Z	T	S	OXY	SIG*T	D*T	DD
0	22.76	33.846	5.22	23.15	473.1	0
10	22.71	33.837	5.22	23.16	472.4	.047
20	18.50	33.790	5.59	24.24	368.8	.089
30	15.08	33.761	5.51	25.02	294.8	.123
50	12.40	33.720	3.33	25.54	245.4	.177
75	11.44	33.913	2.93	25.87	213.9	.235
100	11.03	34.080	2.10	26.07	194.5	.286
125	11.31	34.380	1.03	26.26	177.3	.333
150	10.60	34.386	1.13	26.39	164.6	.377
200	10.01	34.431	.65	26.53	151.5	.458
250	9.52	34.500	.34	26.66	138.7	.533
300	9.06	34.498	.29	26.74	131.7	.603
400	7.95	34.469	.20	26.89	117.6	.734
500	6.87	34.446	.18	27.02	104.7	.853
600	6.18	34.454	.17	27.12	95.3	.960

137.50 CALCOFI CRUISE 6607 137.50

ALEXANDER AGASSIZ, JULY 28 1966, 1628 GMT, 24 36.5N 114 00.5W, SOUNDING 1950 FM, WIND 270 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 03.

Z	T	S	OXY	PHO	SIL	NIT	D*T
0	22.31	33.866	5.30	-	-	-	459.5
10	20.52	33.753	5.66	-	-	-	421.0
20	14.80K	33.67 G	-	-	-	-	295.7
30	14.10	33.671	5.01	-	-	-	281.4
40	13.34	33.692	4.24	-	-	-	265.1
50	12.40K	33.83 G	-	-	-	-	237.3
55	12.30	33.885	2.94	-	-	-	231.4
70	11.56	33.991	2.57	-	-	-	210.3
75	11.55K	34.01 G	-	-	-	-	208.7
96	11.40	34.242	1.60	-	-	-	189.0
100	11.60K	34.33 G	-	-	-	-	186.0
116	11.90	34.450	.80	-	-	-	175.4
136	11.40	34.563	.46	-	-	-	165.3
156	11.34	34.598	.37	-	-	-	161.7
185	10.77	34.597	.30	-	-	-	152.0
219	10.22	34.549	.32	-	-	-	146.3
248	9.60	34.504	.39	-	-	-	139.3
296	8.98	34.481	.30	-	-	-	131.8
349	8.34	34.456	.30	-	-	-	124.1
431	7.41	34.449	.27	-	-	-	111.6
515	6.62	34.451	.19	-	-	-	101.0
598	6.06	34.460	.20	-	-	-	93.4

Z	T	S	OXY	SIG*T	D*T	DD
0	22.31	33.866	5.30	23.29	459.5	0
10	20.52	33.753	5.66	23.70	421.0	.044
20	14.80	33.670	5.52	25.01	295.7	.080
30	14.10	33.671	5.01	25.16	281.4	.109
50	12.40	33.830	3.33	25.62	237.3	.161
75	11.55	34.010	2.40	25.92	208.7	.217
100	11.60	34.330	1.42	26.16	186.0	.267
125	11.45	34.508	.60	26.33	170.3	.312
150	11.37	34.593	.38	26.41	162.6	.355
200	10.53	34.579	.30	26.55	149.3	.435
250	9.57	34.507	.39	26.66	138.9	.509
300	8.93	34.479	.30	26.74	131.2	.579
400	7.75	34.451	.29	26.90	116.1	.709
500	6.74	34.450	.20	27.04	102.7	.826
600	6.05	34.460	.20	27.14	93.3	.932

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
137.60					CALCOFI CRUISE 6607								137.60	

ALEXANDER AGASSIZ, JULY 28 1966, 1123 GMT, 24 21N 114 38W, SOUNDING 2044 FM, WIND 310 FORCE 3, WEATHER CLOUDY, SEA MISSING, WIRE ANGLE 17.

0	20.48	33.648	5.51	-	-	-	427.6	0	20.48	33.648	5.51	23.63	427.6	0
10	20.48	33.645	5.47	-	-	-	427.8	10	20.48	33.645	5.47	23.62	427.8	.043
29	17.22	33.710	6.00	-	-	-	344.9	20	19.13	33.704	5.80	24.02	390.0	.084
38	15.14	33.571	5.68	-	-	-	309.9	30	16.97	33.694	5.98	24.54	340.5	.120
53	14.29	33.651	4.48	-	-	-	286.7	50	14.47	33.620	4.73	25.04	292.7	.184
67	12.88	33.719	3.91	-	-	-	254.3	75	12.00	33.800	3.52	25.68	232.2	.250
75	12.00K	33.80 G	-	-	-	-	232.2	100	11.28	33.939	2.87	25.92	209.3	.306
90	11.65	33.902	2.92	-	-	-	218.5	125	10.69	34.085	2.30	26.14	188.4	.356
109	10.96	33.972	2.78	-	-	-	201.3	150	10.48	34.232	1.72	26.29	174.1	.402
127	10.67	34.100	2.23	-	-	-	187.0	200	10.38	34.454	.78	26.48	156.0	.486
145	10.50	34.204	1.84	-	-	-	176.5	250	9.96	34.521	.43	26.61	144.1	.564
173	10.46	34.349	1.19	-	-	-	165.1	300	9.45	34.530	.30	26.70	135.4	.637
204	10.36	34.466	.74	-	-	-	154.8	400	8.03	34.463	.24	26.87	119.1	.770
232	10.07	34.502	.55	-	-	-	147.4	500	7.06	34.443	.25	26.99	107.3	.891
278	9.76	34.538	.30	-	-	-	139.7							
329	8.98	34.508	.29	-	-	-	129.8							
408	7.93	34.459	.23	-	-	-	118.0							
489	7.16	34.443	.25	-	-	-	108.7							
570	6.40	34.442	.26	-	-	-	98.9							

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	VII-9	2210	37°57.5'	122°53.5'	25	210°	1	partly cloudy	moderate	10.54	33.956	196
60.55-J	10	0120	37°47.0'	123°15.0'	81	170°	2	partly cloudy	slight	10.54	33.840	204
63.50-J	11	2345	37°23.5'	122°28.0'	16	300°	3	cloudy	slight	10.38	33.839	201
67.48-J	13	1341	36°53.0'	121°56.0'	20	280°	1	cloudy	slight	13.42	33.811	258
70.51-J	15	1915	36°11.5'	121°44.0'	210	310°	4	partly cloudy	rough	9.99	33.931	188
73.50-J	15	2305	35°37.0'	121°17.0'	52	310°	4	partly cloudy	moderate	11.23	33.853	215
77.48-J	18	0259	35°08.5'	120°43.5'	14	300°	3	clear	slight	10.82	33.865	207
80.51-J	18	1132	34°26.0'	120°32.5'	53	300°	6	clear	rough	11.53	33.772	226
80.65-J	18	2230	33°59.0'	121°30.0'	1850	010°	5	cloudy	very rough	14.86	33.563	305
83.40-J	21	0521	34°14.0'	119°22.0'	12	250°	2	clear	moderate	15.22	33.679	304
83.65-J	20	1140	33°24.0'	121°06.0'	1900	020°	6	missing	very rough	15.09	33.616	306
87.33-J	21	1010	33°54.0'	118°29.5'	29	240°	1	partly cloudy	slight	18.38	33.642	376
87.55-J	21	2350	33°10.0'	120°00.0'	640	290°	4	overcast	slight	14.62	33.653	293
87.65-J	22	0645	32°49.5'	120°41.5'	2052	320°	3	overcast	moderate	15.28	33.472	320
90.65-J	23	2050	32°14.5'	120°18.0'	2075	280°	3	cloudy	moderate	16.49	33.347	355
93.27-J	24	2235	32°56.0'	117°19.0'	55	290°	2	partly cloudy	slight	15.72	33.563	323
93.35-J	25	2335	32°40.5'	117°51.5'	350	220°	3	partly cloudy	moderate	19.76	33.651	409
93.45-J	26	0502	32°20.0'	118°32.0'	650	280°	3	overcast	moderate	17.12	33.568	353
93.55-J	26	1020	32°00.0'	119°13.5'	850	310°	4	missing	moderate	17.28	33.605	354

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
93.65-J	VII-26	1600	31°40.0'	119°53.5'	2050	320°	4	overcast	rough	16.94	33.671	341
97.29-J	28	2300	32°17.5'	117°04.5'	29	220°	3	overcast	slight	18.86	33.600	391
97.30-J	28	2230	32°16.0'	117°07.0'	32	240°	3	overcast	slight	19.26	33.622	399
97.32-J	28	2130	32°12.0'	117°15.0'	700	250°	3	overcast	moderate	18.52	33.622	381
97.45-J	28	1230	31°45.0'	118°10.0'	875	300°	4	missing	moderate	19.22	33.670	395
97.55-J	28	0627	31°25.5'	118°49.5'	460	310°	4	overcast	rough	18.80	33.643	387
97.65-J	28	0025	31°05.0'	119°30.5'	1900	320°	4	overcast	rough	17.49	33.502	366

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
100.29-G	VII-10	1817	31°42.0'	116°44.0'	110	330°	3	partly cloudy	rough	13.94	33.566	286
100.45-G	11	0400	31°10.5'	117°46.5'	976	320°	4	clear	missing	18.25	33.692	370
100.55-G	11	1020	30°50.0'	118°27.0'	1502	340°	5	clear	missing	17.48	33.538	363
100.65-G	11	1613	30°30.0'	119°07.0'	2050	350°	6	overcast	very rough	16.96	33.499	354
103.45-G	13	2105	30°37.0'	117°22.0'	1200	330°	6	cloudy	high	17.53	33.471	369
103.55-G	13	1357	30°12.0'	118°04.5'	1430	340°	5	overcast	very rough	17.12	33.381	367
103.65-G	13	0720	29°56.0'	118°44.0'	1595	320°	6	missing	very rough	17.12	33.376	367
107.31-G	15	0158	30°27.5'	116°07.0'	22	290°	4	clear	rough	13.06	33.640	263
107.45-G	15	1130	30°01.0'	117°01.5'	830	320°	4	overcast	missing	17.34	33.416	369
107.55-G	15	1722	29°38.0'	117°42.0'	1750	330°	4	overcast	rough	18.14	33.670	369
107.65-G	15	2237	29°21.0'	118°21.0'	1540	350°	4	cloudy	very rough	18.28	33.660	373
110.32-G	18	0004	29°52.0'	115°48.0'	12	350°	4	cloudy	moderate	12.62	33.769	246
110.46-G	17	1520	29°20.5'	116°39.5'	1660	360°	4	overcast	rough	17.85	33.497	375
110.55-G	17	0925	29°03.5'	117°19.0'	1925	340°	5	overcast	missing	18.24	33.542	381
110.65-G	17	0338	28°47.0'	117°58.5'	1930	350°	5	partly cloudy	very rough	18.10	33.519	379
113.29-G	18	0420	29°24.5'	115°13.0'	13	310°	5	clear	moderate	16.80	33.634	341
113.45-G	18	1403	28°51.5'	116°18.5'	1270	330°	3	overcast	rough	17.78	33.492	373
113.55-G	18	1910	28°31.5'	116°57.0'	1860	330°	3	overcast	rough	18.11	33.481	382
113.65-G	19	0015	28°12.0'	117°35.5'	2015	330°	2	overcast	moderate	18.22	33.428	388

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
117.25-G	VII-21	1710	28°58.0'	114°36.5'	17	240°	2	partly cloudy	moderate	16.18	33.602	330
117.26-G	21	1630	28°55.5'	114°41.5'	39	240°	3	partly cloudy	moderate	18.00	33.611	370
117.45-G	20	0730	28°19.0'	115°55.5'	1710	320°	4	overcast	missing	17.72	33.621	363
117.55-G	20	0140	27°57.5'	116°34.5'	2310	310°	4	overcast	rough	18.14	33.488	382
117.65-G	19	2010	27°42.0'	117°12.5'	1900	300°	2	overcast	rough	18.05	33.476	381
120.24-G	21	2117	28°24.0'	114°10.5'	20	300°	4	partly cloudy	moderate	18.59	33.629	382
120.25-G	21	2157	28°22.5'	114°14.5'	30	300°	4	partly cloudy	moderate	18.50	33.605	382
120.30-G	22	0007	28°11.5'	114°33.0'	48	300°	4	partly cloudy	moderate	18.40	33.625	378
120.35-G	22	0235	28°02.5'	114°54.5'	42	350°	4	partly cloudy	moderate	18.47	33.633	380
120.40-G	22	0430	27°57.0'	115°14.0'	20	200°	2	clear	moderate	16.99	33.573	350
120.55-G	22	1300	27°21.0'	116°15.5'	1980	330°	3	overcast	moderate	18.03	33.555	375
120.65-G	22	1815	27°02.5'	116°51.0'	2080	030°	2	overcast	rough	19.14	33.651	394
123.36-G	24	1340	27°26.5'	114°35.5'	-	-	-	missing	missing	16.53	33.534	342
123.45-G	24	0735	27°07.5'	115°10.5'	2227	330°	5	partly cloudy	missing	20.28	33.639	423
123.55-G	24	0151	26°48.5'	115°50.0'	2025	310°	4	partly cloudy	rough	19.53	33.653	404
123.65-G	23	2032	26°27.0'	116°26.0'	2030	300°	3	cloudy	rough	20.06	33.806	406
127.33-G	24	1830	26°57.5'	114°02.5'	-	-	-	missing	missing	13.42	33.564	276
127.45-G	25	0055	26°33.5'	114°48.5'	1890	320°	4	cloudy	missing	20.22	33.669	420
127.55-G	25	0615	26°13.5'	115°27.0'	1909	310°	4	cloudy	missing	19.63	33.613	409

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
127.65-G	VII-25	1120	25°54.0'	116°05.5'	2050	310°	3	missing	missing	20.06	33.694	414
130.28-G	27	0845	26°32.0'	113°19.0'	-	-	-	missing	missing	20.40	33.929	405
130.35-G	27	0517	26°19.5'	113°46.5'	650	280°	4	missing	missing	19.77	33.865	394
130.45-G	26	2330	25°59.0'	114°26.5'	1879	290°	4	partly cloudy	missing	21.08	33.745	436
130.55-G	26	1810	25°39.0'	115°04.5'	1982	320°	4	cloudy	moderate	20.38	33.631	426
130.65-G	26	1238	25°18.0'	115°42.0'	2060	320°	3	cloudy	moderate	19.51	33.627	405
133.23-G	27	1240	26°08.5'	112°40.0'	41	290°	2	overcast	moderate	22.45	34.058	450
133.35-G	27	1900	25°44.0'	113°27.5'	594	310°	3	overcast	moderate	20.68	33.809	421
133.46-G	28	0005	25°24.0'	114°11.0'	1750	290°	4	overcast	moderate	22.83	33.904	471
133.55-G	28	0417	25°05.0'	114°43.0'	1990	280°	4	cloudy	moderate	21.25	33.721	442
137.22-G	29	0740	25°36.0'	112°15.0'	-	-	-	missing	missing	20.96	33.977	416
137.35-G	29	0024	25°07.0'	113°05.0'	790	310°	3	cloudy	moderate	21.28	33.720	443
137.46-G	28	1905	24°43.5'	113°43.5'	1850	300°	4	cloudy	moderate	22.46	33.833	466
137.55-G	28	1405	24°29.0'	114°18.0'	1851	290°	2	cloudy	moderate	18.20	33.657	371

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