

DINDB QUERY LISTING
09/05/1990

ACC-NO	REFNO	F-A	PROJ	INST	PLAT	CRUISE	***CRUISE DATES***		STA IN	STA OUT
							START	END		
6900651	313356	C100	0033	3101	31JD	6601	01/12/1966	02/07/1966	61	61
	313355	C100	0033	3101	31AX	6601	01/20/1966	02/07/1966	36	36
	311436	C100	0033	3101	31AX	6604	05/02/1966	05/03/1966	9	9
	311437	C100	0033	3101	31AX	6605	05/11/1966	05/14/1966	3	3
	313358	C100	0033	3101	31JD	6607	07/08/1966	07/28/1966	82	82
	313357	C100	0033	3101	31AX	6607	07/10/1966	07/29/1966	81	81
	311439	C100	0033	3101	31AX	6608	08/26/1966	09/01/1966	3	3
	311440	C100	0033	3101	31JD	6610✓	10/08/1966	10/12/1966	23	23
8900083	313440	C100	0033	3101	31AX	6611X	11/10/1966	11/13/1966	8	0
6900651	313360	C100	0033	3101	31JD	6612✓	12/02/1966	12/17/1966	72	72
	313359	C100	0033	3101	31AX	6612✓	12/02/1966	12/19/1966	76	76

139.8 D-70

Cruise 6610

6900651 - 311440 10/8-10/12/66 23 sta proc
 313360 12/2-12/17/66 72 sta proc
 313359 12/2-12/19/66 76 sta proc

*Process 8900083-313440 11/10-11/13/1966

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

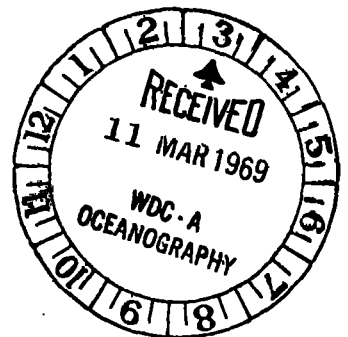
CalCOFI Cruise 6610
8-27 October 1966

Special Cruise 6611
10-13 November 1966

and

CalCOFI Cruise 6612
2-19 December 1966

SIO Reference 69-2



DATA INFORMATION

COUNTRY <div style="text-align: center;">U.S.A.</div>	CATALOGUE NUMBER <div style="text-align: center;">139.8 D-70</div>
INSTITUTION <div style="text-align: center;">Scripps Institution of Oceanography</div>	
PERIOD <div style="text-align: center;">8.-27.X., 10.-13.XI., 2.-19.XII.1966</div>	SHIP (or Fixed Station) <div style="text-align: center;">DAVID STARR JORDAN ALEXANDER AGASSIZ</div>
REGION <div style="text-align: center;">N.E. Pacific (off California)</div>	CRUISE and/or EXPEDITION <div style="text-align: center;">CCOFI Cruises 6610-6612</div>

TYPES OF OBSERVATIONS

OCEANOGRAPHIC SERIAL STATIONS			BTs	CURRENTS
NO. OF STAS.	PHYSICAL AND CHEMICAL DATA	SAMPLE DEPTHS PREDOMINANT:		
179	T, S, O ₂ , σ_t , δ_t , ΔD (see remarks) †	100-600 MAXIMUM: 3606		
BOTTOM TOPOGRAPHY		BOTTOM COMPOSITION		BIOLOGICAL
D				
METEOROLOGICAL		SEA SURFACE		* — Denotes data not available at WDC—A. † — Denotes ADP data available at following Center: Ref. No:
Wd, W		Waves Net tow station data at 10 meters: T, S, δ_t		

REMARKS — DATA AND INFORMATION AVAILABLE IN REFERENCED PUBLICATIONS

"Data Report, Physical and Chemical Data" (Univ. of Calif., SIO Ref. 69-2)

39.01-097

† SHIP	CRUISE	DATE	SERIAL STATIONS
JORDAN	6610	8.-24.X. ✓	23
AGASSIZ	6610	13.-27.X.	Net tow only
AGASSIZ	Special 6611	10.-13.XI ✗	72
JORDAN	6612	2.-17.XII. ✓	76
AGASSIZ	6612	2.-19.XII. ✓	

DATA INFORMATION

COUNTRY	U.S.A.	CATALOGUE NUMBER	139.8D-70
INSTITUTION			
PERIOD		SHIP (or Fixed Station)	DAVIS STARR JORDAN
REGION			ALEXANDER AGASSIZ
		CRUISE and /or EXPEDITION	

TYPES OF OBSERVATIONS

OCEANOGRAPHIC SERIAL STATIONS			BTs	CURRENTS
NO. OF STAS.	PHYSICAL AND CHEMICAL DATA	SAMPLE DEPTHS PREDOMINANT: MAXIMUM:		
delete ⑧ New 171				
BOTTOM TOPOGRAPHY (add) +		BOTTOM COMPOSITION	BIOLOGICAL	
METEOROLOGICAL (add) +	SEA SURFACE (add) +	* - Denotes data not available at WDC-A. ‡ - Denotes ADP data available at following Ref. No: (add) NODC 311440 311441		

REMARKS — DATA AND INFORMATION AVAILABLE IN REFERENCED PUBLICATIONS

(add)	SERIAL STATIONS (add)	NODC No.
	23	311440
	72	311441
	76	311441

Net four only

REM

DATA INFORMATION

COUNTRY	U.S.A.	CATALOGUE NUMBER
INSTITUTION	Scripps Institution of Oceanography	
PERIOD	8.-27.X., 10.-13.XI., 2.-19.XII.1966	SHIP (or Fixed Station)
REGION	NE. Pacific (off California)	DAVID STARR JORDAN
		ALEXANDER AGASSIZ
		CRUISE and/or EXPEDITION
		CCOFI Cruises 6610-6612

TYPES OF OBSERVATIONS

OCEANOGRAPHIC SERIAL STATIONS			BTs	CURRENTS
NO. OF STAS.	PHYSICAL AND CHEMICAL DATA	SAMPLE DEPTHS PREDOMINANT:		
171	T, S, O ₂ , σ _t , δ _t , ΔD (see remarks) †	100-600 MAXIMUM: 3606		
BOTTOM TOPOGRAPHY		BOTTOM COMPOSITION	BIOLOGICAL	
D				
METEOROLOGICAL	SEA SURFACE	* - Denotes data not available at WDC-A. ‡ - Denotes ADP data available at following Ref. No:		
Wd, W	Waves Net tow station data at 10 meters: T, S, δ _t	NODC 311440 311441		

REMARKS — DATA AND INFORMATION AVAILABLE IN REFERENCED PUBLICATIONS

"Data Report, Physical and Chemical Data" (Univ. of Calif., SIO Ref. 69-2)

† SHIP	CRUISE	DATE	SERIAL STATIONS	NODC No.
JORDAN	6610	8.-24.X.	23	311440
AGASSIZ	6610	13.-27.X.	Net tow only	
AGASSIZ	Special 6611	10.-13.XI.	72	311441
JORDAN	6612	2.-17.XII.	76	311441
AGASSIZ	6612	2.-19.XII.		

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6610
8-27 October 1966

Special Cruise 6611
10-13 November 1966

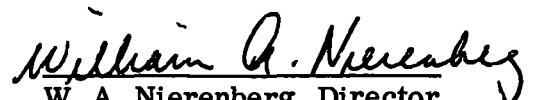
and

CalCOFI Cruise 6612
2-19 December 1966

Sponsored by
Marine Research Committee

SIO Reference 69-2

Approved for distribution:


W. A. Nierenberg, Director

CONTENTS

INTRODUCTION	iii
CRUISE 6610	
List of Figures	viii
Personnel	ix
Tabulated Data	1
SPECIAL CRUISE 6611	
List of Figures	x
Personnel	xii
Tabulated Data	21
CRUISE 6612	
List of Figures	xiv
Personnel	xvi
Tabulated Data	25
DISTRIBUTION LIST	77

INTRODUCTION

The data in this report were collected on Cruises 6610 and 6612 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 from Special Cruise 6611 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 these in the series are 6601, 6602, 6604, 6605 and 6606 all of which appear in SIO Ref. 68-3; and 6607, 6608, 6609 and Special Cruise 6608 all of which appear in SIO Ref. 68-21.

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 6610 and 6612 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).

Special Cruise 6611 was for a study of oxygen minimums in Santa Barbara Basin. Standard depth values of temperature and salinity were read from STD recordings.

^{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	δT	cl/ton
SIG*T	σ _t	g/L
DD	ΔD	dyn. m

STANDARD PROCEDURES

Hydrographic Casts

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.

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 in increasing depth, and a significant change in position during a multiple cast is listed similarly. Multiple casts are indicated by a letter

^{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.

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.

In situ Salinity/Temperature/Depth Recorder

The manufacturer of the STD claims for the temperature an accuracy of $\pm 0.05^{\circ}\text{C}$ on all ranges with repeatability of $\pm 0.01^{\circ}\text{C}$ and for the salinity an accuracy of $\pm 0.03\%$ on all ranges with repeatability of $\pm 0.01\%$. ^{4/} Except for the depth range corresponding to the steepest part of the thermocline, where the salinity trace appears to fluctuate more widely than the bottle samples can confirm, the results of this cruise support the manufacturer's claims.

For Special Cruise 6611 the temperature was accepted without correction, but -0.09% was applied to all salinity values.

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.

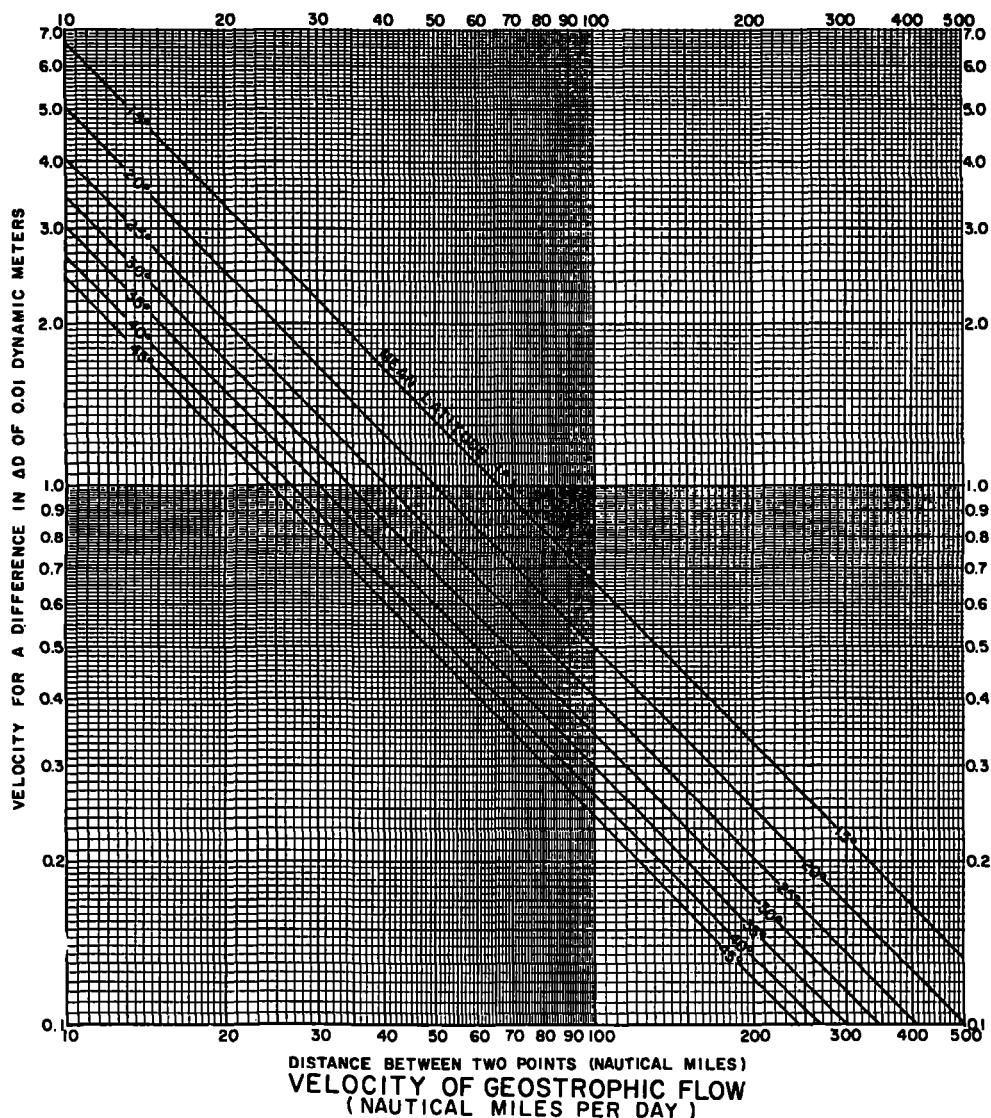
u: uncertain value

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.

^{4/} In situ Salinity/Temperature/Depth Monitoring and Recording System, Model 9006,
Tech. Rep. No. 102, HYTECH Marine Products, The Bissett-Berman Corporation.



cm/sec	0	1	2	3	4	5	6	7	8	9
0	<i>0.02</i> KNOTS NM/DAY	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.17	
10	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.35	0.37
20	0.39	0.41	0.43	0.45	0.47	0.49	0.51	0.52	0.54	0.56
30	0.58	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76
40	0.78	0.80	0.82	0.84	0.85	0.87	0.89	0.91	0.93	0.95
50	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.11	1.13	1.15
60	1.17	1.18	1.20	1.22	1.24	1.26	1.28	1.30	1.32	1.34
70	1.36	1.38	1.40	1.42	1.44	1.46	1.48	1.50	1.52	1.53
80	1.55	1.57	1.59	1.61	1.63	1.65	1.67	1.69	1.71	1.73
90	1.75	1.77	1.79	1.81	1.83	1.85	1.86	1.88	1.90	1.92
100	1.94	1.96	1.98	2.00	2.02	2.04	2.06	2.08	2.10	2.12

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 6610

1. CalCOFI Cruise 6610, station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of thermosteric anomaly at 10 meters

PERSONNEL
Cruise 6610

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

Mauck, William W., Marine Technician (in charge)
Kellogg, Durrant, Marine Technician
Palmer, Don H., Marine Technician
Reeder, David G., Biological Technician, Bureau of Commercial Fisheries

RV David Starr Jordan

Counts, Robert C., Bureau of Commercial Fisheries (in charge)
*Anderson, George C., Marine Technician
*Baker, Martha, Hopkins Marine Station
*Bryan, Walter R., Senior Marine Technician
*Graham, Jery B., Electronics Technician
Kalin, George, Physical Science Technician (Physics), Bureau of Commercial Fisheries
*Kellogg, Durrant, Marine Technician
*Kruse, Michael, Biological Technician, Fisheries, Bureau of Commercial Fisheries
*Kirk, Patricia, Physical Science Technician, Bureau of Commercial Fisheries
**Leong, Roderick, Fishery Biologist, General, Bureau of Commercial Fisheries
*Mauck, William W., Marine Technician
*Mead, Richard V., Principal Marine Technician
*Michel, Fred A., Jr., Marine Technician
*O'Connell, Charles, Dr., Fishery Biologist (Research), Bureau of Commercial Fisheries
*Owen, Robert W., Fishery Biologist, Bureau of Commercial Fisheries
*Palmer, Don H., Marine Technician
*Reeder, David, Biological Technician, Bureau of Commercial Fisheries
*Schumacher, Norman, Oceanographer, Bureau of Commercial Fisheries
*Shuey, Ray, Physical Science Technician, Bureau of Commercial Fisheries

*Lines 90 and 93 only.

**Part II only.

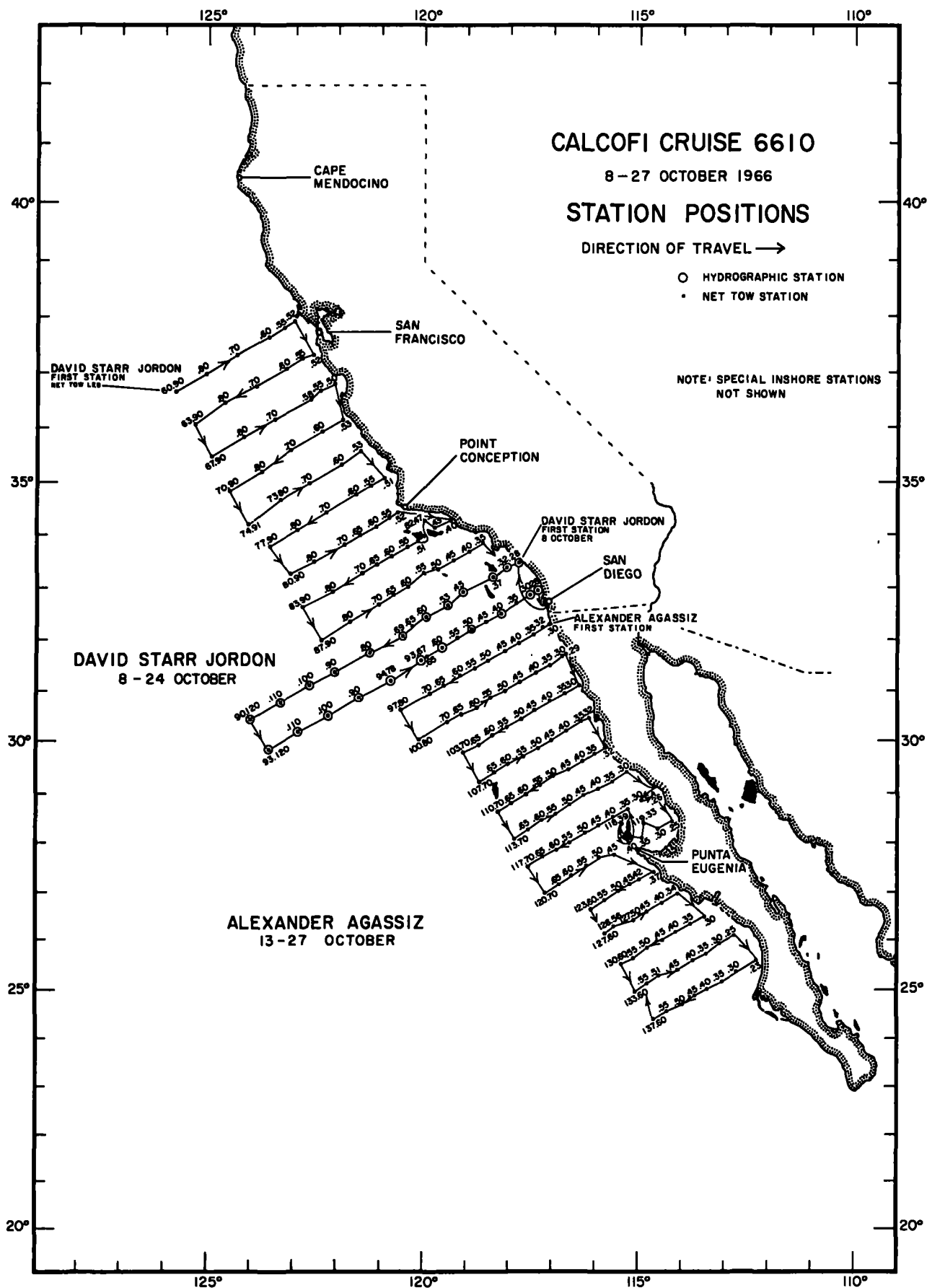


FIGURE 1

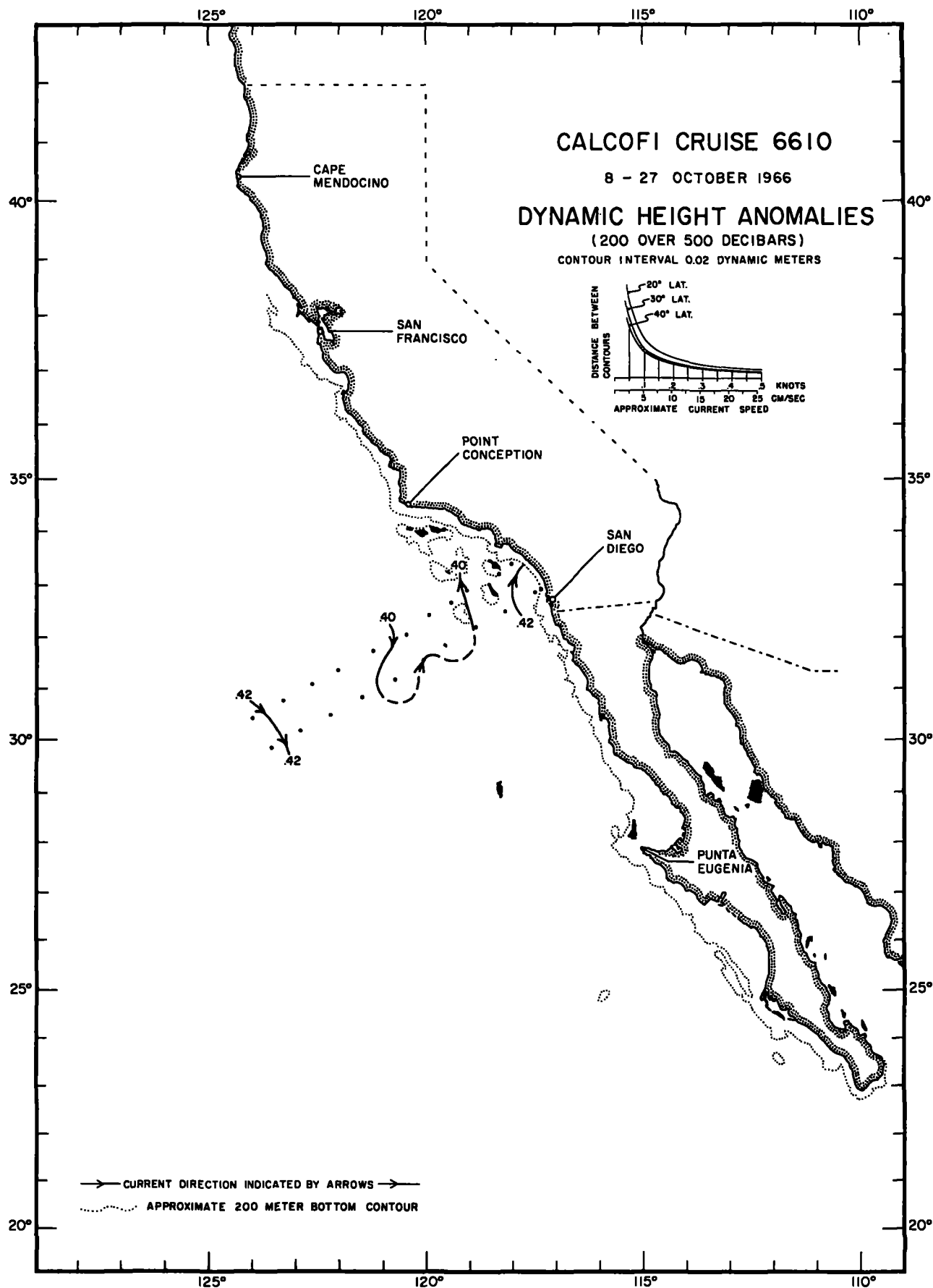


FIGURE 3

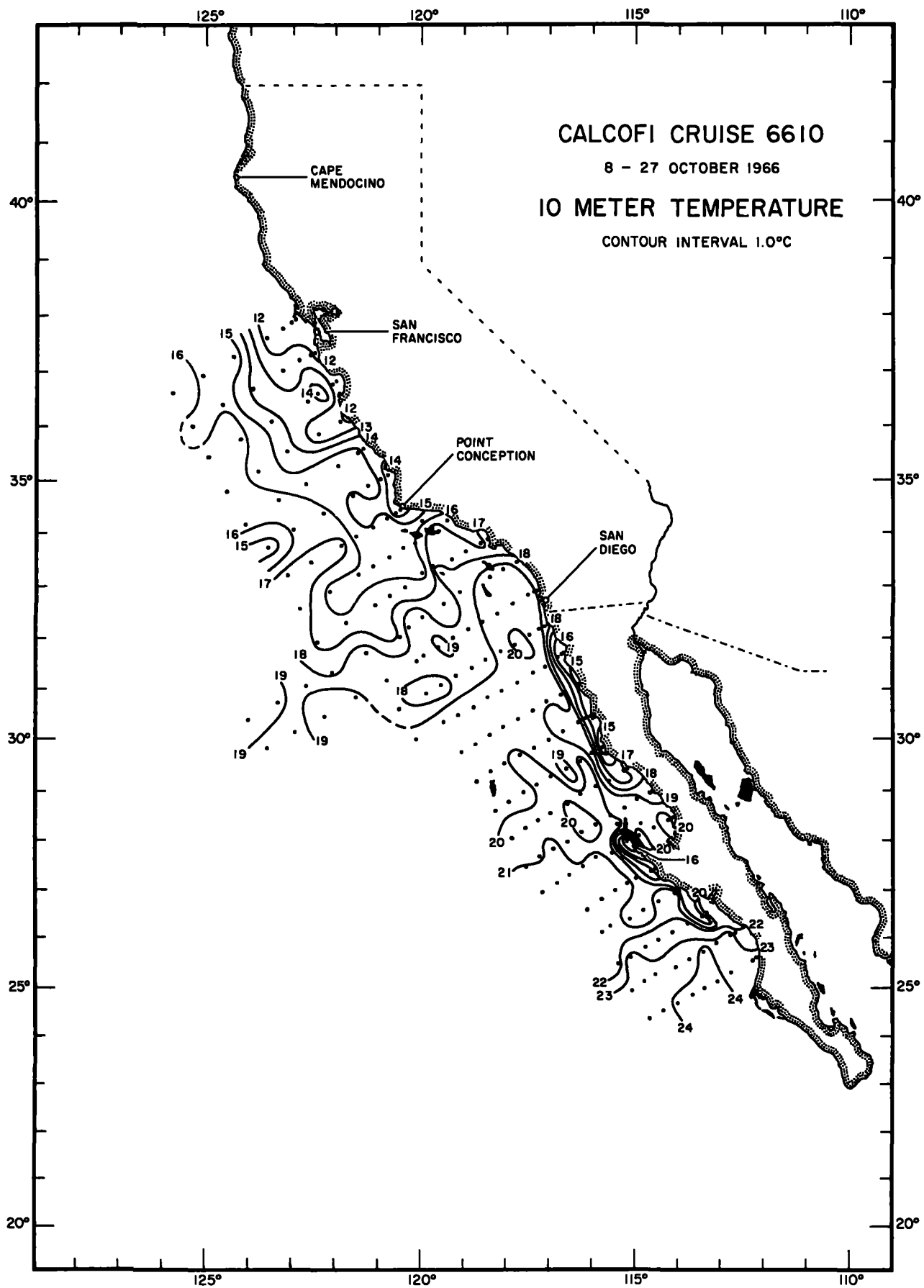


FIGURE 4

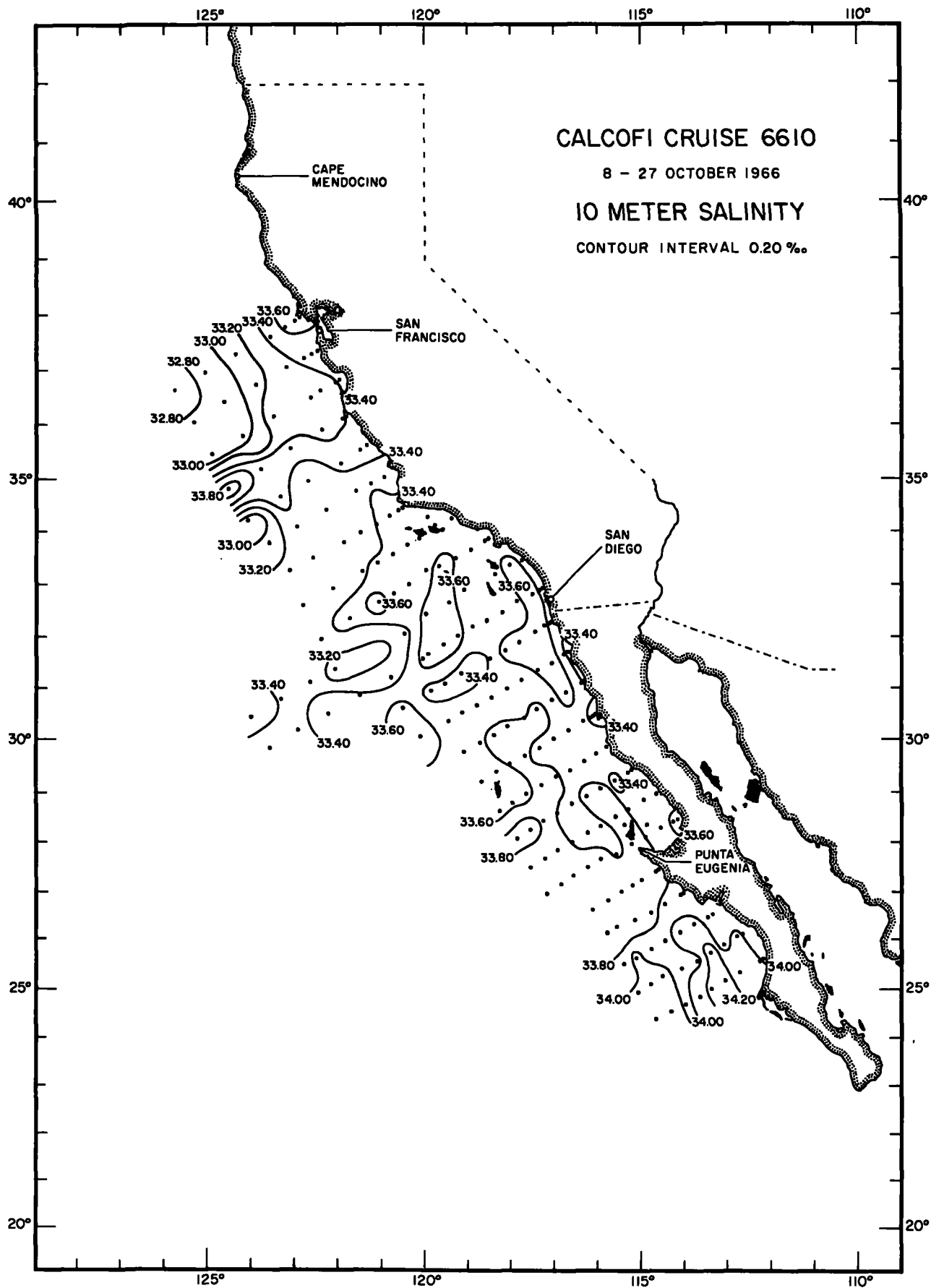


FIGURE 5

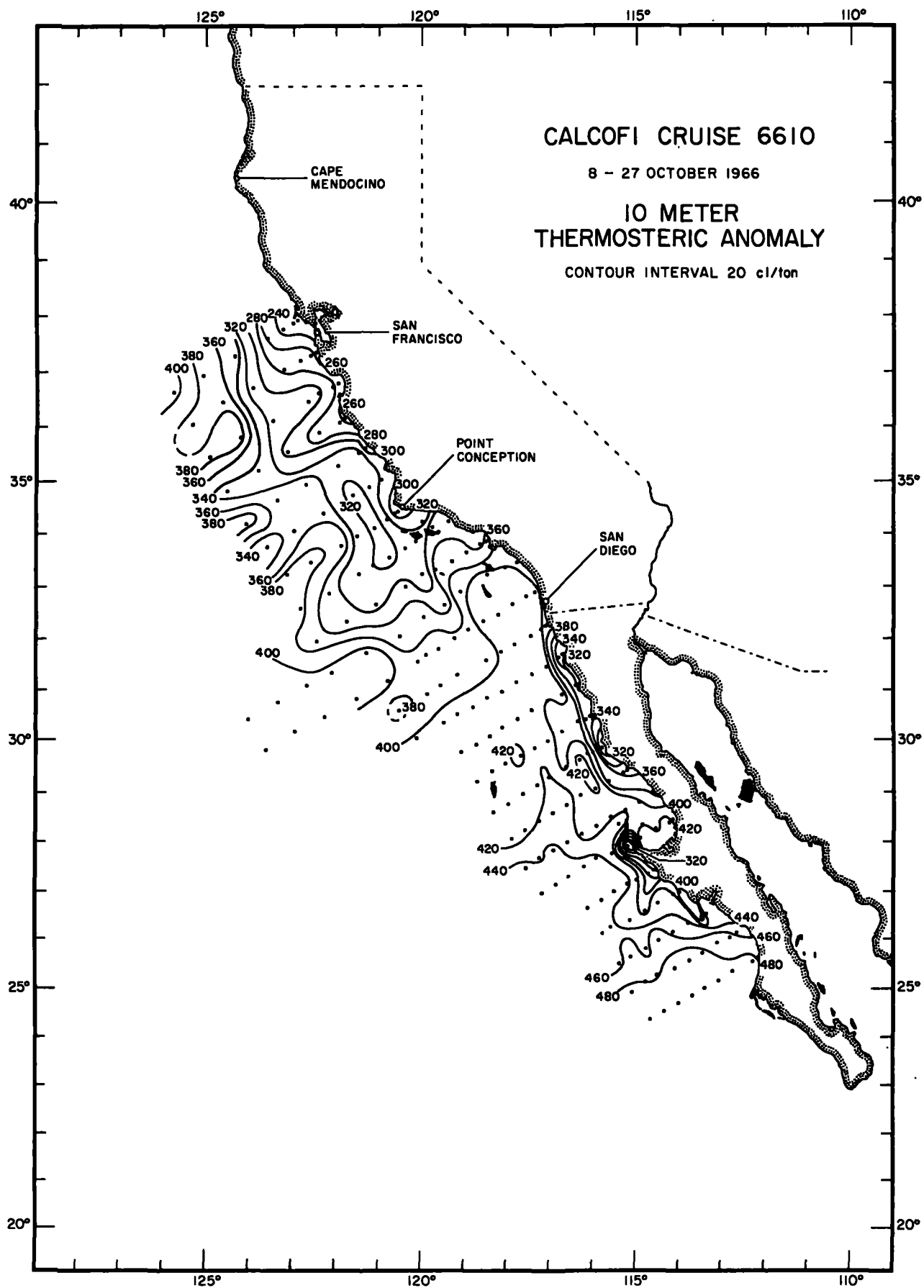


FIGURE 6

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	
CALCOFI CRUISE 6610								90.28							
DAVID STARR JORDAN, OCTOBER 8 1966, 0757 GMT, 33 28.5N 117 46.5W, SOUNDING 200 FM, WIND CALM, WEATHER MISSING, SEA CALM, WIRE ANGLE 03.															
0	19.00	33.57	5.42	-	-	-	396.7	0	19.00	33.570	5.42	23.95	396.7	0	
10	18.85	33.56	6.01	-	-	-	393.8	10	18.85	33.560	6.01	23.98	393.8	.040	
30	14.32	33.42	6.29	-	-	-	304.2	20	16.78	33.493	6.25	24.43	350.9	.077	
44	12.64	33.39	5.58	-	-	-	274.1	30	14.32	33.420	6.29	24.92	304.2	.110	
61	12.10	33.47	4.80	-	-	-	258.3	50	12.36	33.411	5.28	25.31	267.2	.167	
75	11.66	33.53	4.41	-	-	-	246.0	75	11.66	33.530	4.41	25.53	246.0	.232	
90	11.34	33.57	4.18	-	-	-	237.5	100	11.06	33.623	3.92	25.71	228.7	.291	
111	10.72	33.69	3.63	-	-	-	218.1	125	10.31	33.760	3.43	25.95	206.0	.346	
135	10.05	33.81	3.32	-	-	-	198.2	150	9.84	33.897	3.07	26.14	188.5	.396	
166	9.68	33.98	2.82	-	-	-	179.7	200	9.17	34.061	2.57	26.38	165.8	.487	
199	9.18	34.06	2.58	-	-	-	166.0	250	8.65	34.133	1.97	26.52	152.6	.568	
234	8.81	34.10	2.21	-	-	-	157.5	300	8.20	34.191	1.39	26.63	141.7	.644	
274	8.41	34.18	1.63	-	-	-	145.6	400	7.12	34.240	.73	26.83	123.2	.783	
318	8.02	34.20	1.26	-	-	-	138.6								
357	7.54	34.22	1.05	-	-	-	130.4								

90.32							CALCOFI CRUISE 6610							90.32
DAVID STARR JORDAN, OCTOBER 8 1966, 1035 GMT, 33 20.5N 118 03W, SOUNDING 400 FM, WIND CALM, WEATHER OVERCAST, SEA CALM, WIRE ANGLE 02.														
0	20.10	33.70	5.62	-	-	-	414.3	0	20.10	33.700	5.62	23.77	414.3	0
10	19.76	33.66	5.78	-	-	-	408.7	10	19.76	33.660	5.78	23.82	408.7	.041
30	14.93	33.46	6.30	-	-	-	313.7	20	17.52	33.558	6.18	24.31	362.8	.080
40	13.55	33.43	5.97	-	-	-	288.3	30	14.93	33.460	6.38	24.82	313.7	.114
50	12.00	33.36	5.32	-	-	-	264.6	50	12.00	33.360	5.32	25.34	264.6	.172
64	11.30	33.46	4.38	-	-	-	244.9	75	10.89	33.579	4.00	25.71	229.2	.234
79	10.76	33.62	3.92	-	-	-	223.9	100	10.13	33.705	3.69	25.94	207.2	.289
99	10.15	33.70	3.70	-	-	-	208.0	125	9.69	33.846	3.33	26.12	189.8	.339
124	9.70	33.84	3.35	-	-	-	190.4	150	9.42	33.970	2.97	26.27	176.3	.385
144	9.49	33.95	3.03	-	-	-	179.0	200	8.83	34.047	2.65	26.42	161.8	.472
174	9.12	34.02	2.81	-	-	-	168.1	250	8.62	34.131	2.00	26.52	152.3	.552
203	8.81	34.05	2.62	-	-	-	161.2	300	8.02	34.143	1.64	26.62	142.9	.628
233	8.81	34.13	2.1	-	-	-	155.3	400	7.17	34.246	.79	26.82	123.5	.767
272	8.30	34.12	1.93	-	-	-	148.5	500	6.37	34.291	.45	26.97	109.8	.891
331	7.76	34.18	1.29	-	-	-	136.4	600	5.82	34.364	.43	27.09	97.7	1.002
405	7.13	34.25	.76	-	-	-	122.7							
479	6.52	34.28	.45	-	-	-	112.5							
558	6.02	34.33	.44	-	-	-	102.7							

90.37							CALCOFI CRUISE 6610							90.37
DAVID STARR JORDAN, OCTOBER 8 1966, 1426 GMT, 33 11N 118 22.5W, SOUNDING 430 FM, WIND CALM, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 07.														
0	19.70	33.64	5.71	-	-	-	408.7	0	19.70	33.640	5.71	23.82	408.7	0
10	19.05	33.49	5.69	-	-	-	403.7	10	19.05	33.490	5.69	23.88	403.7	.041
30	16.11	33.35	6.23	-	-	-	346.6	20	17.71	33.397	5.94	24.14	378.9	.080
40	14.70	33.34	6.30	-	-	-	317.8	30	16.11	33.350	6.23	24.48	346.6	.116
50	14.00	33.37	5.99	-	-	-	301.5	50	14.00	33.370	5.99	24.95	301.5	.181
64	12.46	33.38	5.41	-	-	-	271.5	75	11.83	33.441	4.97	25.43	255.6	.251
79	11.66	33.47	4.82	-	-	-	250.5	100	10.62	33.620	4.03	25.79	221.6	.311
99	10.66	33.61	4.06	-	-	-	223.0	125	9.79	33.843	3.33	26.10	191.6	.364
123	9.83	33.83	3.37	-	-	-	193.2	150	9.42	33.969	2.93	26.26	176.5	.410
143	9.52	33.94	3.02	-	-	-	180.2	200	8.82	34.098	2.22	26.46	157.8	.496
172	9.14	34.04	2.66	-	-	-	166.9	250	8.49	34.178	1.67	26.58	147.0	.574
201	8.81	34.10	2.2	-	-	-	157.5	300	8.09	34.220	1.19	26.67	138.0	.647
230	8.61	34.15	1.94	-	-	-	150.8	400	7.21	34.260	.75	26.83	123.0	.784
269	8.37	34.20	1.42	-	-	-	143.6	500	6.59	34.293	.48	26.94	112.4	.908
326	7.83	34.23	1.07	-	-	-	133.7							
401	7.20	34.26	.75	-	-	-	122.8							
474	6.77	34.28	.53	-	-	-	115.7							
552	6.17	34.33	.41	-	-	-	104.5							

A) THE OBSERVED SALINITY VALUES FOR ALL HYDROGRAPHIC CASTS ON THIS CRUISE HAVE BEEN LISTED ONLY TO HUNDREDTHS BECAUSE OF DIFFICULTY IN OPERATION OF THE SALINOMETER. STANDARD DEPTH LEVELS APPEAR IN THOUSANDTHS BECAUSE OF MACHINE INTERPOLATION. THE SALINITY SAMPLES FOR NET TOW STATIONS HAVE THE USUAL ACCURACY SINCE THEY WERE DETERMINED AFTER THE CRUISE ON A DIFFERENT SALINOMETER.

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	
CALCOFI CRUISE 6610								90.45							
DAVID STARR JORDAN, OCTOBER 8 1966, 1920 GMT, 32 54.5N 118 55W, SOUNDING 925 FM, WIND CALM, WEATHER OVERCAST, SEA SLIGHT, WIRE ANGLE 04.															
0	19.12	33.53	5.54	-	-	-	402.5	0	19.12	33.530	5.54	23.89	402.5	0	
11	18.92	33.53	5.60	-	-	-	397.7	10	18.96	33.531	5.59	23.93	398.6	.040	
31	17.05	33.48	5.91	-	-	-	357.9	20	18.53	33.513	5.71	24.03	389.5	.080	
40	14.48	33.34	6.11	-	-	-	313.3	30	17.23	33.488	5.89	24.32	361.4	.117	
51	13.40	33.36	5.65	-	-	-	290.6	50	13.44	33.352	5.71	25.05	292.0	.183	
65	12.50	33.49	4.88	-	-	-	264.1	75	11.90	33.527	4.52	25.49	250.5	.251	
79	11.65	33.54	4.39	-	-	-	245.1	100	10.17	33.715	3.50	25.94	207.1	.309	
99	10.20	33.71	3.52	-	-	-	208.0	125	9.66	33.827	3.20	26.11	190.8	.359	
124	9.69	33.82	3.22	-	-	-	191.7	150	9.13	33.975	2.71	26.32	171.6	.405	
143	9.24	33.95	2.81	-	-	-	175.1	200	8.57	34.057	2.32	26.47	157.2	.489	
173	8.86	34.02	2.49	-	-	-	164.2	250	7.99	34.121	1.73	26.61	144.1	.566	
203	8.54	34.06	2.30	-	-	-	156.5	300	7.49	34.155	1.33	26.71	134.6	.638	
231	8.19	34.10	1.93	-	-	-	148.4	400	6.85	34.236	.65	26.86	120.0	.771	
272	7.78	34.14	1.54	-	-	-	139.7	500	6.22	34.311	.29	27.00	106.5	.890	
331	7.20	34.17	1.13	-	-	-	129.6								
404	6.83	34.24	.62	-	-	-	119.5								
479	6.34	34.30	.32	-	-	-	108.8								
556	5.94	34.33	.32	-	-	-	101.7								

90.53							CALCOFI CRUISE 6610						90.53	
DAVID STARR JORDAN, OCTOBER 8 1966, 2342 GMT, 32 39N 119 28.5W, SOUNDING 730 FM, WIND 290 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 15.														
0	17.50	33.64	5.79	-	-	-	356.4	0	17.50	33.640	5.79	24.37	356.4	0
10	17.24	33.64	5.81	-	-	-	350.5	10	17.24	33.640	5.81	24.43	350.5	.035
29	14.94	33.56	5.52	-	-	-	306.6	20	16.16	33.604	5.75	24.66	329.1	.069
39	13.87	33.52	4.92	-	-	-	288.0	30	14.84	33.555	5.46	24.91	304.8	.101
53	11.94	33.54	4.51	-	-	-	250.3	50	12.34	33.529	4.59	25.40	258.3	.158
67	10.95	33.64	3.88	-	-	-	225.7	75	10.51	33.698	3.62	25.87	214.1	.217
91	9.86	33.81	3.23	-	-	-	195.2	100	9.60	33.872	3.04	26.16	186.5	.268
110	9.38	33.93	2.88	-	-	-	178.8	125	9.14	33.972	2.76	26.31	172.0	.313
130	9.08	33.98	2.73	-	-	-	170.4	150	8.91	34.022	2.55	26.39	164.8	.356
149	8.92	34.02	2.56	-	-	-	165.1	200	8.48	34.086	2.13	26.50	153.6	.437
177	8.64	34.06	2.30	-	-	-	157.9	250	8.02	34.174	1.53	26.64	140.5	.512
211	8.40	34.10	2.04	-	-	-	151.4	300	7.66	34.218	1.09	26.73	132.2	.583
240	8.10	34.16	1.64	-	-	-	142.7	400	6.96	34.269	.68	26.87	119.0	.714
288	7.74	34.21	1.18	-	-	-	133.9	500	6.25	34.327	.32	27.01	105.7	.833
341	7.39	34.24	.83	-	-	-	126.9	600	5.84	34.350	.37	27.08	99.0	.943
422	6.80	34.28	.65	-	-	-	116.1							
506	6.22	34.33	.31	-	-	-	105.1							
589	5.87	34.35	.34	-	-	-	99.4							

90.60							CALCOFI CRUISE 6610						90.60	
DAVID STARR JORDAN, OCTOBER 9 1966, 0318 GMT, 32 25N 119 57.5W, SOUNDING 470 FM, WIND 320 FORCE 3, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 18.														
1	18.21	33.63	5.63	-	-	-	373.6	0	18.21	33.630	5.63	24.19	373.6	0
11	18.18	33.63	5.67	-	-	-	372.9	10	18.18	33.630	5.66	24.20	372.9	.037
20	18.17K	33.63 G	-	-	-	-	372.6	20	18.17	33.630	5.87	24.20	372.6	.075
29	16.39	33.57	5.95	-	-	-	336.7	30	16.13	33.559	5.93	24.63	331.9	.110
39	13.91	33.47	5.60	-	-	-	292.4	50	12.38	33.470	4.91	25.35	263.4	.170
50	12.38K	33.47 G	-	-	-	-	263.4	75	10.40	33.660	3.69	25.86	215.0	.230
53	12.10	33.47	4.71	-	-	-	258.3	100	9.53	33.833	3.16	26.14	188.3	.281
67	10.94	33.58	3.99	-	-	-	229.9	125	9.19	33.953	2.87	26.29	174.1	.327
91	9.66	33.80	3.29	-	-	-	192.8	150	9.00	34.013	2.65	26.37	166.8	.370
109	9.47	33.86	3.07	-	-	-	185.3	200	8.35	34.100	2.03	26.54	150.7	.451
128	9.14	33.97	2.83	-	-	-	172.1	250	7.86	34.180	1.34	26.67	137.9	.525
147	9.02	34.01	2.66	-	-	-	167.3	300	7.41	34.232	.90	26.78	127.8	.594
175	8.76	34.04	2.49	-	-	-	161.2	400	6.65	34.275	.49	26.92	114.6	.720
208	8.22	34.12	1.87	-	-	-	147.4	500	6.27	34.311	.25	27.00	107.1	.837
236	7.99	34.16	1.52	-	-	-	141.1							
284	7.55	34.22	.97	-	-	-	130.5							
334	7.14	34.25	.81	-	-	-	122.8							
415	6.56	34.28	.42	-	-	-	113.1							
497	6.28	34.31	.25	-	-	-	107.3							
578	6.02	34.33	.34	-	-	-	102.7							

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	O*T	Z	T	S	OXY	SIG*T	O*T	CC			
90.69								CALCOFI CRUISE 6610								90.69	
DAVID STARR JORDAN, OCTOBER 11 1966, 1716 GMT, 32 02N 120 29W, SOUNDING 2000 FM, WIND 290 FORCE 2, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 08.																	
0	17.04	33.25	5.76	-	-	-	374.4	0	17.04	33.250	5.76	24.18	374.4	0			
11	17.02	33.25	5.76	-	-	-	374.0	10	17.03	33.249	5.75	24.19	374.2	.037			
20	16.85K	33.26 G	-	-	-	-	369.4	20	16.85	33.260	5.97	24.24	369.4	.075			
31	15.32	33.41	6.10	-	-	-	325.5	30	15.46	33.395	6.09	24.66	329.5	.110			
41	15.19	33.49	5.76	-	-	-	316.9	50	14.60	33.410	5.77	24.85	310.6	.174			
50	14.60K	33.41 G	-	-	-	-	310.6	75	10.96	33.320	5.38	25.50	249.4	.244			
56	12.16	33.09	5.82	-	-	-	287.4	100	9.95	33.551	4.03	25.85	215.8	.303			
70	11.24	33.27	5.61	-	-	-	257.9	125	9.37	33.754	3.31	26.11	191.6	.354			
95	10.08	33.50	4.28	-	-	-	221.6	150	8.92	33.866	3.18	26.26	176.6	.401			
115	9.63	33.69	3.44	-	-	-	200.4	200	8.31	34.005	2.71	26.47	157.1	.486			
134	9.15	33.80	3.27	-	-	-	184.9	250	7.55	34.039	2.27	26.61	144.0	.563			
154	8.88	33.88	3.16	-	-	-	174.9	300	6.81	34.046	1.90	26.72	133.7	.635			
184	8.52	33.98	2.91	-	-	-	162.1	400	6.27	34.167	.80	26.88	117.8	.765			
216	8.08	34.02	2.51	-	-	-	152.8	500	5.78	34.248	.40	27.01	106.0	.883			
245	7.64	34.04	2.30	-	-	-	145.2	600	5.29	34.321	.29	27.12	94.9	.990			
295	6.84	34.04	1.97	-	-	-	134.5										
349	6.63	34.12	1.22	-	-	-	125.9										
431	6.04	34.19	.64	-	-	-	113.4										
515	5.72	34.26	.37	-	-	-	104.3										
599	5.30	34.32	.29	-	-	-	95.0										

90.80							CALCOFI CRUISE 6610							90.80		
DAVID STARR JORDAN, OCTOBER 9 1966, 1253 GMT, 31 41.5N 121 17W, SOUNDING 2050 FM, WIND 340 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 19.																
0	18.18	33.14	5.38	-	-	-	408.5	0	18.18	33.140	5.38	23.83	408.5	0		
10	18.12	33.15	5.61	-	-	-	406.4	10	18.12	33.150	5.61	23.85	406.4	.041		
20	18.13K	33.15 G	-	-	-	-	406.6	20	18.13	33.150	5.62	23.85	406.6	.081		
28	18.13	33.15	5.61	-	-	-	406.6	30	18.11	33.179	5.63	23.87	404.1	.122		
37	18.02	33.28	5.74	-	-	-	394.6	50	16.29	33.220	6.12	24.34	360.0	.199		
51	16.11	33.21	6.15	-	-	-	356.9	75	13.03	33.204	6.07	25.02	295.0	.281		
65	13.91	33.20	6.13	-	-	-	312.2	100	11.66	33.324	5.42	25.37	261.2	.351		
88	12.30	33.24	5.95	-	-	-	278.9	125	9.82	33.469	4.36	25.81	219.9	.412		
106	11.32	33.37	5.12	-	-	-	251.9	150	9.40	33.707	3.65	26.06	195.6	.464		
124	9.86	33.46	4.39	-	-	-	221.1	200	8.51	33.967	3.15	26.41	163.0	.556		
142	9.50	33.63	3.96	-	-	-	202.8	250	7.88	34.035	2.37	26.56	148.8	.636		
170	9.16	33.87	3.01	-	-	-	179.8	300	7.18	34.070	1.76	26.68	136.7	.709		
202	8.47	33.97	3.17	-	-	-	162.1	400	6.28	34.152	.90	26.87	119.1	.842		
229	8.13	34.01	2.72	-	-	-	154.3	500	5.76	34.228	.40	27.00	107.1	.961		
277	7.54	34.06	1.97	-	-	-	142.3									
327	6.78	34.08	1.55	-	-	-	130.8									
407	6.25	34.16	.84	-	-	-	118.2									
490	5.81	34.22	.43	-	-	-	108.4									
571	5.37	34.29	.28	-	-	-	98.0									

90.90							CALCOFI CRUISE 6610							90.90													
DAVID STARR JORDAN, OCTOBER 9 1966, 1808 GMT, 31 21N 122 02W, SOUNDING 2200 FM, WIND 320 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 06.																											
0	17.99	33.14	5.45	-	-	-	404.1	0	17.99	33.140	5.45	23.87	404.1	0													
11	17.98	33.14	5.67	-	-	-	403.9	10	17.98	33.140	5.66	23.87	403.9	.040													
20	17.98K	33.14 G	-	-	-	-	403.9	20	17.98	33.140	5.67	23.88	403.9	.081													
30	17.98K	33.14 G	-	-	-	-	403.9	30	17.98	33.140	5.67	23.88	403.9	.121													
31	17.98	33.14	5.67	-	-	-	403.9	50	16.30	33.180	6.11	24.30	363.2	.198													
41	17.21	33.16	5.88	-	-	-	384.8	75	13.67	33.225	6.16	24.91	305.6	.282													
50	16.30K	33.18 G	-	-	-	-	363.2	100	11.85	33.173	5.77	25.22	275.6	.355													
56	15.32	33.24	6.22	-	-	-	337.9	125	10.36	33.290	5.06	25.58	241.7	.421													
70	14.04	33.24	6.19	-	-	-	311.9	150	9.78	33.599	3.99	25.92	209.5	.478													
96	12.19	33.17	5.86	-	-	-	282.0	200	8.94	33.916	3.16	26.30	173.1	.575													
115	10.71	33.20	5.36	-	-	-	254.1	250	8.18	34.047	2.53	26.52	152.2	.659													
136	10.13	33.42	4.67	-	-	-	228.4	300	7.58	34.135	1.52	26.68	137.3	.733													
155	9.67	33.66	3.76	-	-	-	203.3	400	6.72	34.220	.67	26.86	119.5	.867													
184	9.18	33.85	3.21	-	-	-	181.6	500	6.04	34.255	.44	26.98	108.5	.987													
218	8.68	33.97	3.10	-	-	-	165.2	600	5.37	34.290	.34	27.09	98.0	1.097													
247	8.22	34.04	2.60	-	-	-	153.3																				
296	7.62	34.13	1.56	-	-	-	138.2																				
350	7.14	34.18	1.14	-	-	-	128.0																				
433	6.46	34.24	.42	-	-	-	114.8																				
516	5.94	34.26	.43	-	-	-	106.9																				
601	5.36	34.29	.34	-	-	-	97.9																				

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			
90.100								CALCOFI CRUISE 6610								90.100	
DAVID STARR JORDAN, OCTOBER 9 1966, 2250 GMT, 31 05N 122 39W, SOUNDING 2300 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 11.																	
0	18.95	33.34	5.58	-	-	-	412.2	0	18.95	33.340	5.58	23.79	412.2	0			
10	18.93	33.34	5.56	-	-	-	411.7	10	18.93	33.340	5.56	23.79	411.7	.041			
20	18.93K	33.35 G	-	-	-	-	411.0	20	18.93	33.350	5.57	23.80	411.0	.082			
30	18.94	33.36	5.60	-	-	-	410.5	30	18.94	33.360	5.60	23.81	410.5	.124			
39	16.64	33.28	6.16	-	-	-	363.3	50	15.01	33.273	6.21	24.66	329.1	.198			
54	14.60	33.27	6.21	-	-	-	320.9	75	12.65	33.196	5.90	25.09	288.5	.275			
67	13.18	33.20	6.03	-	-	-	298.1	100	11.30	33.290	5.27	25.40	258.9	.344			
92	11.84	33.25	5.52	-	-	-	269.9	125	10.43	33.531	4.29	25.75	225.1	.405			
111	10.83	33.37	4.88	-	-	-	243.6	150	9.73	33.736	3.66	26.03	198.6	.459			
130	10.32	33.59	4.09	-	-	-	218.9	200	8.70	33.964	3.09	26.37	166.0	.552			
149	9.76	33.73	3.67	-	-	-	199.5	250	8.24	34.062	2.37	26.52	152.0	.633			
178	9.09	33.88	3.35	-	-	-	178.0	300	7.77	34.135	1.65	26.65	140.0	.709			
209	8.58	33.99	2.97	-	-	-	162.2	400	6.86	34.235	.78	26.86	120.3	.844			
238	8.34	34.04	2.56	-	-	-	155.0	500	5.72	34.210	.62	26.98	108.2	.965			
286	7.93	34.12	1.82	-	-	-	143.2	600	5.22	34.287	.42	27.11	96.6	1.074			
339	7.34	34.17	1.25	-	-	-	131.4										
421	6.70	34.25	.67	-	-	-	117.1										
505	5.68	34.21	.61	-	-	-	107.6										
588	5.24	34.27	.45	-	-	-	98.1										

90.110							CALCOFI CRUISE 6610							90.110						
DAVID STARR JORDAN, OCTOBER 10 1966, 0353 GMT, 30 45N 123 19W, SOUNDING 2175 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 11.																				
0	19.02	33.40	A	5.57	-	-	-	409.5	0	19.02	33.400	5.57	23.82	409.5	0					
11	19.04	33.39		5.67	-	-	-	410.7	10	19.04	33.391	5.67	23.80	410.7	.041					
30	19.03	33.39		5.59	-	-	-	410.5	20	19.04	33.389	5.65	23.80	410.7	.082					
39	19.04	33.39		5.58	-	-	-	410.7	30	19.03	33.390	5.59	23.81	410.5	.123					
54	15.70	33.28		6.31	-	-	-	343.0	50	16.70	33.312	6.10	24.31	362.4	.201					
68	14.35	33.26		6.35	-	-	-	316.6	75	13.45	33.260	6.25	24.98	298.9	.284					
75	13.45K	33.26	G	-	-	-	-	298.9	100	11.30	33.319	5.25	25.44	255.3	.354					
92	11.90	33.26		5.70	-	-	-	270.2	125	10.03	33.572	4.17	25.85	215.6	.413					
112	10.56	33.44		4.58	-	-	-	233.9	150	9.52	33.770	3.62	26.09	192.8	.465					
131	9.86	33.63		4.03	-	-	-	208.5	200	8.72	33.953	3.09	26.36	167.0	.556					
150	9.52	33.77		3.62	-	-	-	192.8	250	8.06	34.031	2.54	26.53	151.7	.638					
178	9.07	33.88		3.30	-	-	-	177.7	300	7.35	34.069	1.91	26.66	139.0	.713					
210	8.57	33.98		3.00	-	-	-	162.8	400	6.74	34.214	.72	26.86	120.3	.848					
239	8.21	34.02		2.68	-	-	-	154.7	500	5.83	34.249	.39	27.00	106.4	.968					
286	7.55	34.06		2.08	-	-	-	142.5	600	5.21	34.326	.22	27.14	93.6	1.074					
338	6.88	34.10		1.46	-	-	-	130.6												
421	6.66	34.25		.53	-	-	-	116.6												
503	5.80	34.25		.38	-	-	-	106.0												
586	5.27	34.31	A	.24	-	-	-	95.4												

90.120							CALCOFI CRUISE 6610							90.120		
DAVID STARR JORDAN, OCTOBER 10 1966, 0904 GMT, 30 25N 124 00W, SOUNDING 2300 FM, WIND 330 FORCE 2, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 01.																
1	19.24	33.48	5.54	-	-	-	409.0	0	19.24	33.480	5.54	23.82	409.0	0		
11	19.24	33.48	5.52	-	-	-	409.0	10	19.24	33.480	5.52	23.82	409.0	.041		
20	19.24K	33.48 G	-	-	-	-	409.0	20	19.24	33.480	5.50	23.82	409.0	.082		
30	19.24K	33.48 G	-	-	-	-	409.0	30	19.24	33.480	5.52	23.82	409.0	.123		
31	19.24	33.48	5.52	-	-	-	409.0	50	18.12	33.450	5.86	24.08	384.5	.202		
50	18.12K	33.45 G	-	-	-	-	384.5	75	15.78	33.455	6.04	24.63	331.8	.292		
61	16.90	33.43	6.08	-	-	-	358.2	100	13.82	33.421	5.67	25.03	294.2	.371		
70	16.14	33.45	6.17	-	-	-	340.0	125	12.70	33.570	5.56	25.37	261.9	.442		
84	15.12	33.45	5.76	-	-	-	318.4	150	10.78	33.592	4.83	25.74	226.3	.503		
98	13.88	33.40	5.65	-	-	-	297.0	200	9.09	33.889	3.95	26.25	177.4	.606		
113	13.64	33.57	5.77	-	-	-	279.8	250	8.34	33.994	3.48	26.45	158.4	.692		
125	12.70K	33.57 G	-	-	-	-	261.9	300	7.50	34.023	2.90	26.60	144.5	.770		
138	11.66	33.54	5.19	-	-	-	245.3	400	6.41	34.125	1.18	26.83	122.7	.909		
157	10.34	33.64	4.63	-	-	-	215.5	500	5.68	34.216	.49	26.99	107.2	1.030		
185	9.45	33.82	4.15	-	-	-	188.0	600	5.18	34.289	.32	27.11	96.0	1.138		
215	8.81	33.94	3.79	-	-	-	169.4									
245	8.42	33.99	3.52	-	-	-	159.9									
296	7.56	34.02	2.98	-	-	-	145.6									
350	6.84	34.07	1.87	-	-	-	132.3									
433	6.18	34.16	.87	-	-	-	117.3									
518	5.57	34.23	.42	-	-	-	104.8									
602	5.17	34.29	.32	-	-	-	95.8									

A) THE SALINITY BOTTLE NUMBERS WERE NOT ENTERED ON THE ORIGINAL 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	PHU	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
93.28								CALCOFI CRUISE 6610								93.28	
DAVID STARR JORDAN, OCTOBER 12 1966, 2054 GMT, 32 54.5N 117 22W, SOUNDING 325 FM, WIND 280 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 10.																	
0	19.48	33.59	-	-	-	-	406.9	0	19.48	33.590		23.84	406.9	0			
10	19.38	33.58	-	-	-	-	405.2	10	19.38	33.580		23.86	405.2	.041			
30	15.34	33.37	-	-	-	-	328.8	20	17.56	33.476		24.23	369.8	.079			
44	13.62	33.36	-	-	-	-	294.8	30	15.34	33.370		24.66	328.8	.114			
54	13.16	33.37	-	-	-	-	285.3	50	13.32	33.363		25.08	288.7	.176			
68	12.24	33.43	-	-	-	-	263.8	75	11.78	33.481		25.47	251.9	.244			
82	11.38	33.54	-	-	-	-	240.4	100	10.78	33.703		25.82	218.2	.304			
98	10.83	33.69	-	-	-	-	219.9	125	10.39	33.810		25.98	203.7	.357			
122	10.42	33.80	-	-	-	-	205.0	150	10.08	33.902		26.10	191.9	.407			
141	10.22	33.86	-	-	-	-	197.3	200	9.43	34.051		26.33	170.6	.500			
170	9.76	33.99	-	-	-	-	180.3	250	8.71	34.092		26.47	156.6	.583			
199	9.45	34.05	-	-	-	-	170.9	300	8.31	34.184		26.61	143.8	.661			
230	8.92	34.06	-	-	-	-	162.1	400	7.27	34.245		26.81	124.9	.801			
269	8.56	34.13	-	-	-	-	151.6	500	6.42	34.301		26.97	109.8	.925			
327	8.06	34.22	-	-	-	-	137.6										
380	7.36	34.23	-	-	-	-	127.2										
439	7.02	34.27	-	-	-	-	119.7										
497	6.46	34.30	-	-	-	-	110.3										
93.30								CALCOFI CRUISE 6610								93.30	
DAVID STARR JORDAN, OCTOBER 12 1966, 1857 GMT, 32 50.5N 117 31W, SOUNDING 450 FM, WIND 270 FORCE 2, WEATHER OVERCAST, SEA SLIGHT, WIRE ANGLE 03.																	
1	19.94	33.64	5.54	-	-	-	414.6	0	19.94	33.640	5.54	23.76	414.6	0			
10	19.94K	33.64	G	-	-	-	414.6	10	19.94	33.640	5.58	23.76	414.6	.041			
11	19.94	33.64	5.59	-	-	-	414.6	20	18.45	33.520	5.92	24.05	387.2	.082			
20	18.45K	33.52	G	-	-	-	387.2	30	15.05	33.277	6.24	24.66	329.5	.118			
31	14.73	33.26	6.27	-	-	-	324.2	50	13.41	33.393	5.85	25.09	288.3	.180			
41	14.05	33.39	6.15	-	-	-	301.1	75	11.67	33.497	4.57	25.51	248.6	.247			
51	13.33	33.39	-	-	-	-	287.0	100	10.82	33.695	3.70	25.81	219.5	.306			
65	12.06	33.39	5.13	-	-	-	263.5	125	10.41	33.854	3.14	26.01	200.8	.359			
80	11.54	33.56	4.30	-	-	-	241.7	150	10.11	33.982	2.84	26.16	186.4	.408			
101	10.79	33.70	3.68	-	-	-	218.5	200	9.51	34.110	2.27	26.36	167.5	.499			
126	10.40	33.86	3.12	-	-	-	200.2	250	8.92	34.134	2.14	26.47	156.5	.582			
145	10.20	33.97	2.87	-	-	-	188.8	300	8.35	34.187	1.68	26.60	144.3	.659			
175	9.66	34.02	2.72	-	-	-	176.5	400	7.39	34.249	.86	26.79	126.2	.801			
203	9.50	34.12	2.22	-	-	-	166.5	500	6.54	34.299	.42	26.95	111.3	.926			
233	9.18	34.13	2.18	-	-	-	160.9										
272	8.58	34.14	2.04	-	-	-	151.1										
330	8.16	34.24	1.26	-	-	-	137.6										
405	7.32	34.25	.84	-	-	-	125.3										
479	6.70	34.29	.49	-	-	-	114.1										
556	6.14	34.32	.30	-	-	-	104.9										
93.40								CALCOFI CRUISE 6610								93.40	
DAVID STARR JORDAN, OCTOBER 12 1966, 1341 GMT, 32 30N 118 11.5W, SOUNDING 950 FM, WIND 290 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 10.																	
1	19.20	33.50	5.50	-	-	-	406.6	0	19.20	33.500	5.50	23.85	406.6	0			
11	19.11	33.47	5.51	-	-	-	406.6	10	19.14	33.473	5.50	23.84	407.1	.041			
30	17.80K	33.44	G	-	-	-	377.9	20	18.65	33.455	5.69	23.95	396.8	.081			
32	16.62	33.36	6.01	-	-	-	357.1	30	17.80	33.440	5.95	24.15	377.9	.120			
41	15.15	33.29	6.18	-	-	-	330.7	50	14.05	33.337	5.97	24.91	305.1	.188			
56	13.53	33.39	5.76	-	-	-	290.9	75	12.71	33.456	5.41	25.27	270.6	.261			
72	12.92	33.44	5.57	-	-	-	275.6	100	11.01	33.590	4.13	25.70	230.4	.324			
97	11.16	33.58	4.19	-	-	-	233.7	125	10.20	33.735	3.60	25.95	206.2	.379			
118	10.34	33.67	3.84	-	-	-	213.3	150	9.66	33.938	3.03	26.20	182.5	.428			
138	9.98	33.86	3.17	-	-	-	193.4	200	9.19	34.122	2.26	26.42	161.7	.516			
158	9.46	33.98	2.96	-	-	-	176.3	250	8.53	34.155	2.00	26.55	149.2	.596			
190	9.31	34.12	2.27	-	-	-	163.6	300	8.18	34.217	1.42	26.65	139.6	.670			
223	8.88	34.13	2.22	-	-	-	156.3	400	7.24	34.256	.77	26.82	123.7	.808			
254	8.48	34.16	1.96	-	-	-	148.2	500	6.52	34.299	.43	26.95	111.1	.932			
303	8.16	34.22	1.38	-	-	-	139.1	600	5.84	34.346	.29	27.08	99.3	1.045			
355	7.62	34.24	1.01	-	-	-	130.0										
439	6.95	34.27	.61	-	-	-	118.8										
523	6.36	34.31	.38	-	-	-	108.3										
608	5.79	34.35	.29	-	-	-	98.4										

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	
CALCOFI CRUISE 6610								93.50							
DAVID STARR JORDAN, OCTOBER 12 1966, 0800 GMT, 32 LIN 118 52.5W, SOUNDING 720 FM, WIND 360 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 00.															
1	18.67	33.43	5.31	-	-	-	399.0	0	18.67	33.430	5.31	23.93	399.0	0	
11	18.23	33.41	5.66	-	-	-	390.0	10	18.29	33.413	5.63	24.01	391.2	.040	
31	16.30	33.33	5.97	-	-	-	352.2	20	17.32	33.372	5.85	24.21	371.8	.078	
41	16.11	33.32	6.00	-	-	-	348.8	30	16.39	33.334	5.96	24.40	353.9	.114	
56	12.65	33.15	5.81	-	-	-	291.9	50	14.08	33.213	5.92	24.81	314.7	.181	
70	12.15	33.24	5.45	-	-	-	276.1	75	11.94	33.268	5.33	25.28	270.3	.255	
95	10.78	33.40	4.82	-	-	-	240.5	100	10.40	33.500	4.67	25.73	226.8	.317	
100	10.40K	33.50	G	-	-	-	226.8	125	9.89	33.703	4.07	25.98	203.6	.372	
115	10.16	33.63	4.24	-	-	-	213.3	150	9.12	33.871	3.57	26.24	179.2	.420	
135	9.58	33.77	3.92	-	-	-	193.7	200	8.38	34.017	2.86	26.47	157.3	.506	
155	8.98	33.90	3.45	-	-	-	174.9	250	7.87	34.105	1.91	26.61	143.5	.583	
184	8.58	33.99	3.10	-	-	-	162.2	300	7.74	34.176	1.30	26.69	136.4	.655	
217	8.18	34.04	2.57	-	-	-	152.7	400	6.78	34.247	.58	26.88	118.4	.788	
247	7.88	34.10	1.96	-	-	-	144.0	500	6.19	34.301	.35	27.00	106.8	.907	
295	7.78	34.17	1.35	-	-	-	137.4	600	5.63	34.350	.25	27.11	96.6	1.016	
349	7.22	34.22	.85	-	-	-	126.1								
432	6.55	34.26	.48	-	-	-	114.4								
516	6.10	34.31	.33	-	-	-	105.1								
599	5.64	34.35	.25	-	-	-	96.7								

93.60							CALCOFI CRUISE 6610							93.60
DAVID STARR JORDAN, OCTOBER 12 1966, 0244 GMT, 31 50N 119 34W, SOUNDING 1100 FM, WIND 330 FORCE 4, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 18.														
1	19.01	33.72	5.49	-	-	-	386.0	0	19.01	33.720	5.49	24.06	386.0	0
11	19.00	33.72	5.51	-	-	-	385.8	10	19.00	33.720	5.51	24.06	385.8	.039
20	19.00K	33.72	G	-	-	-	385.8	20	19.00	33.720	5.44	24.06	385.8	.077
30	19.00	33.72	5.51	-	-	-	385.8	30	19.00	33.720	5.51	24.06	385.8	.116
38	14.65	33.59	5.88	-	-	-	298.4	50	12.56	33.601	4.58	25.42	257.1	.180
55	11.90	33.64	3.87	-	-	-	242.2	75	10.49	33.719	3.19	25.89	212.1	.239
67	10.88	33.69	3.35	-	-	-	220.8	100	9.79	33.824	2.94	26.09	193.0	.291
91	10.02	33.78	3.04	-	-	-	200.0	125	9.28	33.951	2.54	26.27	175.6	.337
109	9.59	33.87	2.83	-	-	-	186.5	150	8.86	34.019	2.32	26.39	164.3	.380
127	9.24	33.96	2.50	-	-	-	174.4	200	8.14	34.085	1.99	26.56	148.8	.460
145	8.95	34.01	2.34	-	-	-	166.3	250	7.64	34.136	1.51	26.67	138.1	.534
172	8.50	34.05	2.27	-	-	-	156.6	300	7.22	34.179	1.11	26.76	129.2	.603
204	8.10	34.09	1.94	-	-	-	147.9	400	6.42	34.200	.71	26.89	117.3	.731
232	7.84	34.12	1.67	-	-	-	142.0	500	5.84	34.277	.27	27.02	104.4	.848
279	7.35	34.16	1.27	-	-	-	132.3							
330	7.06	34.20	.91	-	-	-	125.5							
409	6.34	34.20	.69	-	-	-	116.3							
489	5.90	34.27	.30	-	-	-	105.7							
570	5.45	34.31	.25	-	-	-	97.5							

93.67							CALCOFI CRUISE 6610							93.67
DAVID STARR JORDAN, OCTOBER 11 1966, 2156 GMT, 31 35N 120 02.5W, SOUNDING 2050 FM, WIND 300 FORCE 2, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 18.														
0	18.62	33.63	5.52	-	-	-	383.2	0	18.62	33.630	5.52	24.09	383.2	0
10	18.58	33.63	5.51	-	-	-	382.3	10	18.58	33.630	5.51	24.10	382.3	.038
20	18.53K	33.63	G	-	-	-	381.1	20	18.53	33.630	5.55	24.11	381.1	.077
29	18.03	33.60	5.64	-	-	-	371.5	30	17.80	33.592	5.66	24.26	366.8	.114
38	15.89	33.53	5.80	-	-	-	328.8	50	14.92	33.518	5.51	24.87	309.2	.182
48	15.16	33.53	5.57	-	-	-	313.3	75	10.88	33.220	5.26	25.43	255.5	.253
61	13.28	33.41	5.27	-	-	-	284.6	100	10.18	33.556	4.07	25.81	219.2	.313
75	10.88	33.22	5.26	-	-	-	255.5	125	9.44	33.776	3.33	26.11	191.1	.364
94	10.35	33.48	4.35	-	-	-	227.5	150	8.88	33.901	3.12	26.30	173.3	.411
117	9.70	33.73	3.44	-	-	-	198.6	200	8.37	34.018	2.63	26.47	157.1	.495
135	9.14	33.82	3.26	-	-	-	183.2	250	7.87	34.094	1.90	26.60	144.3	.572
163	8.74	33.96	3.00	-	-	-	166.8	300	7.23	34.107	1.55	26.71	134.6	.644
189	8.50	34.01	2.68	-	-	-	159.6	400	6.54	34.195	.84	26.87	119.1	.776
217	8.17	34.03	2.54	-	-	-	153.3	500	5.95	34.279	.37	27.01	105.6	.895
253	7.84	34.10	1.84	-	-	-	143.5	600	5.37	34.365	-.07	27.15	92.4	1.000
308	7.13	34.11	1.50	-	-	-	133.1							
377	6.68	34.18	1.05	-	-	-	122.0							
446	6.26	34.23	.53	-	-	-	113.0							
520	5.84	34.30	.37	-	-	-	102.7							

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	OD			
94.78								CALCOFI CRUISE 6610								94.78 A)	
DAVID STARR JORDAN, OCTOBER 11 1966, 1124 GMT, 31 11.5N 120 45.5W, SOUNDING 2050 FM, WIND 350 FORCE 2, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 20.																	
1	18.47	33.32	5.54	-	-	-	402.2	0	18.47	33.320	5.54	23.89	402.2	0			
10	18.47	33.32	5.50	-	-	-	402.2	10	18.47	33.320	5.50	23.89	402.2	.040			
20	18.47K	33.32 G	-	-	-	-	402.2	20	18.47	33.320	5.65	23.89	402.2	.081			
28	17.06	33.20	5.84	-	-	-	378.5	30	16.85	33.213	5.89	24.20	372.8	.119			
38	16.10	33.29	6.06	-	-	-	350.8	50	14.48	33.219	6.17	24.73	322.2	.189			
47	14.93	33.24	6.19	-	-	-	329.8	75	12.00	33.170	5.66	25.19	278.6	.265			
61	13.00	33.16	5.96	-	-	-	297.7	100	10.67	33.364	4.79	25.58	241.4	.330			
75	12.00	33.17	5.66	-	-	-	278.6	125	9.43	33.758	3.48	26.10	192.3	.385			
95	11.01	33.28	5.09	-	-	-	253.3	150	9.00	33.927	3.02	26.30	173.2	.431			
116	9.70	33.65	3.83	-	-	-	204.5	200	8.36	34.042	2.35	26.49	155.2	.515			
134	9.26	33.84	3.23	-	-	-	183.6	250	7.94	34.144	1.52	26.63	141.7	.591			
161	8.86	33.96	2.93	-	-	-	168.6	300	7.50	34.221	.89	26.76	129.9	.661			
188	8.48	34.02	2.52	-	-	-	158.6	400	6.54	34.301	.36	26.95	111.3	.787			
216	8.22	34.07	2.11	-	-	-	151.1	500	6.06	34.329	.26	27.04	103.2	.901			
253	7.92	34.15	1.47	-	-	-	140.9										
308	7.43	34.23	.81	-	-	-	128.2										
379	6.72	34.29	.41	-	-	-	114.3										
451	6.22	34.32	.27	-	-	-	105.8										
527	6.04	34.33	.26	-	-	-	102.9										

93.90							CALCOFI CRUISE 6610							93.90		
DAVID STARR JORDAN, OCTOBER 11 1966, 0546 GMT, 30 50.5N 121 30W, SOUNDING 2250 FM, WIND 280 FORCE 2, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 07.																
1	19.04	33.42	5.58	-	-	-	408.6	0	19.04	33.420	5.58	23.83	408.6	0		
11	19.05	33.41	5.48	-	-	-	409.5	10	19.05	33.411	5.49	23.82	409.5	.041		
32	18.97	33.40	5.46	-	-	-	408.3	20	19.02	33.405	5.35	23.82	409.3	.082		
41	16.51	33.27	6.07	-	-	-	361.2	30	18.98	33.401	5.42	23.83	408.5	.123		
50	15.60K	33.29 G	-	-	-	-	340.1	50	15.60	33.290	6.12	24.54	340.1	.198		
56	15.08	33.30	6.13	-	-	-	328.5	75	13.70	33.340	5.96	24.99	297.9	.278		
70	14.06	33.32	6.04	-	-	-	306.4	100	12.51	33.423	5.45	25.29	269.3	.350		
75	13.70K	33.34 G	-	-	-	-	297.9	125	11.05	33.462	4.99	25.59	240.5	.414		
95	12.79	33.41	5.55	-	-	-	275.4	150	9.85	33.625	4.14	25.93	208.7	.471		
114	11.70	33.45	5.18	-	-	-	252.6	200	8.69	33.966	3.03	26.38	165.6	.566		
134	10.55	33.47	4.79	-	-	-	231.5	250	8.04	34.044	2.35	26.54	150.4	.647		
153	9.74	33.66	4.01	-	-	-	204.4	300	7.43	34.057	2.09	26.64	141.0	.722		
183	8.96	33.91	3.24	-	-	-	173.8	400	6.40	34.127	1.20	26.83	122.4	.859		
215	8.50	33.99	2.87	-	-	-	161.1	500	5.63	34.210	.52	27.00	106.9	.980		
243	8.13	34.04	2.40	-	-	-	152.0	600	5.25	34.307	.29	27.12	95.4	1.087		
292	7.52	34.05	2.17	-	-	-	142.8									
344	6.95	34.10	1.64	-	-	-	131.5									
427	6.16	34.14	1.02	-	-	-	118.6									
510	5.57	34.22	.47	-	-	-	105.6									
593	5.26	34.30	.30	-	-	-	96.1									

93.100							CALCOFI CRUISE 6610							93.100		
DAVID STARR JORDAN, OCTOBER 11 1966, 0017 GMT, 30 30N 122 14W, SOUNDING 2225 FM, WIND 260 FORCE 3, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 08.																
0	19.72	33.55	5.49	-	-	-	415.7	0	19.72	33.550	5.49	23.75	415.7	0		
10	19.68	33.54	5.47	-	-	-	415.5	10	19.68	33.540	5.47	23.75	415.5	.042		
20	19.69K	33.56	G	-	-	-	414.2	20	19.69	33.560	5.47	23.77	414.2	.083		
30	19.73	33.60	5.48	-	-	-	412.3	30	19.73	33.600	5.48	23.79	412.3	.125		
55	16.40	33.32	6.11	-	-	-	355.1	50	17.15	33.373	5.99	24.25	368.0	.203		
64	15.87	33.37	6.13	-	-	-	340.0	75	14.86	33.446	6.12	24.82	313.4	.288		
73	14.96	33.44	6.13	-	-	-	315.8	100	13.83	33.492	5.84	25.08	289.1	.364		
88	14.44	33.46	6.06	-	-	-	303.7	125	11.93	33.435	5.31	25.41	257.9	.433		
104	13.58	33.50	5.75	-	-	-	283.8	150	10.18	33.602	4.49	25.85	215.8	.493		
128	11.68	33.43	5.23	-	-	-	253.8	200	8.98	33.900	3.72	26.28	174.9	.593		
147	10.32	33.58	4.59	-	-	-	219.6	250	8.21	34.023	2.87	26.50	154.4	.677		
171	9.52	33.74	3.89	-	-	-	195.0	300	7.50	34.083	1.99	26.65	140.0	.753		
200	8.98	33.90	3.72	-	-	-	174.9	400	6.44	34.150	1.12	26.85	121.3	.889		
229	8.56	33.98	3.33	-	-	-	162.7	500	5.73	34.222	.52	26.99	107.2	1.009		
267	7.93	34.05	2.49	-	-	-	148.5									
325	7.21	34.10	1.71	-	-	-	134.9									
400	6.44	34.15	1.12	-	-	-	121.3									
473	5.88	34.20	.65	-	-	-	110.7									
551	5.51	34.27	.33	-	-	-	101.1									

A) THE UNUSUAL NUMBER FOR THIS STATION RESULTS FROM THE CAST BEING LOWERED SO FAR FROM THE DESIRED POSITION FOR 93.80.

INPUT							OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHD	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD		
93.110							CALCOFI CRUISE 6610								93.110	
DAVID STARR JORDAN, OCTOBER 10 1966, 1854 GMT, 30 09.5N 122 55W, SOUNDING 1925 FM, WIND 340 FORCE 2, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 04.																
2	18.78	33.29	5.62	-	-	-	411.8	0	18.78	33.290	5.62	23.79	411.8	0		
12	18.78	33.28	5.59	-	-	-	412.5	10	18.78	33.281	5.59	23.79	412.4	.041		
33	18.74	33.28	5.60	-	-	-	411.5	20	18.77	33.280	5.59	23.79	412.2	.083		
42	17.98	33.27	5.81	-	-	-	394.4	30	18.75	33.280	5.60	23.79	411.7	.124		
52	16.76	33.26	6.13	-	-	-	367.4	50	17.03	33.262	6.07	24.19	373.4	.203		
66	14.56	33.25	6.39	-	-	-	321.5	75	13.56	33.242	6.39	24.94	302.3	.287		
80	13.10	33.24	6.37	-	-	-	293.7	100	11.54	33.260	5.45	25.34	263.8	.359		
100	11.54	33.26	5.45	-	-	-	263.8	125	10.37	33.438	4.65	25.69	230.9	.421		
127	10.30	33.46	4.59	-	-	-	228.2	150	9.58	33.766	3.69	26.08	194.0	.475		
147	9.66	33.74	3.70	-	-	-	197.2	200	8.65	33.973	3.70	26.39	164.5	.566		
176	9.00	33.91	3.63	-	-	-	174.4	250	7.75	34.029	3.13	26.57	147.6	.646		
205	8.58	33.98	3.70	-	-	-	163.0	300	7.06	34.060	2.22	26.69	135.9	.719		
235	8.04	34.02	3.37	-	-	-	152.2	400	6.30	34.182	.92	26.89	117.1	.851		
274	7.34	34.04	2.70	-	-	-	141.1	500	5.57	34.247	.49	27.03	103.5	.967		
331	6.81	34.09	1.69	-	-	-	130.4									
406	6.26	34.19	.88	-	-	-	116.0									
481	5.66	34.23	.56	-	-	-	105.9									
559	5.42	34.32	.30	-	-	-	96.4									

93.120							CALCOFI CRUISE 6610							93.120		
DAVID STARR JORDAN, OCTOBER 10 1966, 1356 GMT, 29 49N 123 35W, SOUNDING 2175 FM, WIND 350 FORCE 1, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 07.																
0	18.82	33.32	5.62	-	-	-	410.5	0	18.82	33.320	5.62	23.80	410.5	0		
10	18.82	33.31	5.56	-	-	-	411.3	10	18.82	33.310	5.56	23.80	411.3	.041		
30	18.82	33.30	5.63	-	-	-	412.0	20	18.81	33.293	5.58	23.79	412.2	.082		
40	18.90	33.36	5.64	-	-	-	409.6	30	18.82	33.300	5.63	23.79	412.0	.124		
50	17.68	33.55	6.07	-	-	-	367.1	50	17.68	33.550	6.07	24.26	367.1	.202		
64	16.16	33.44	6.20	-	-	-	341.2	75	15.35	33.440	6.21	24.71	323.8	.289		
79	15.12	33.45	6.20	-	-	-	318.4	100	14.34	33.503	6.10	24.98	298.6	.367		
97	14.43	33.48	6.13	-	-	-	302.1	125	13.42	33.615	5.67	25.26	272.3	.439		
122	13.72	33.63	5.75	-	-	-	277.0	150	11.02	33.571	4.95	25.68	231.9	.503		
142	11.62	33.53	5.20	-	-	-	245.3	200	9.30	33.864	4.28	26.20	182.4	.608		
171	9.92	33.74	4.41	-	-	-	201.3	250	8.39	33.989	3.72	26.44	159.5	.696		
199	9.32	33.86	4.29	-	-	-	183.0	300	7.58	34.010	3.07	26.58	146.6	.775		
229	8.74	33.96	4.01	-	-	-	166.8	400	6.54	34.140	1.19	26.83	123.3	.915		
267	8.12	34.00	3.46	-	-	-	154.9	500	5.85	34.208	.56	26.97	109.7	1.037		
327	7.18	34.02	2.71	-	-	-	140.5									
400	6.54	34.14	1.19	-	-	-	123.3									
473	6.02	34.19	.68	-	-	-	113.1									
551	5.54	34.24	.45	-	-	-	103.7									

Station	Date	Time GCT	DATA AT NET TOW STATIONS						10 METERS			
			Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δT cl/ton
60.50-J	X-16	1825	37°57.0'	122°53.0'	25	280°	4	clear	moderate	11.02	33.671	225
60.52-J	16	1715	37°54.0'	123°01.5'	41	330°	3	clear	rough	11.32	33.655	231
60.55-J	16	1440	37°47.0'	123°15.0'	65	330°	4	clear	rough	11.56	33.611	238
60.60-J	16	1240	37°37.0'	123°37.0'	875	330°	4	missing	very rough	11.68	33.421	255
60.70-J	16	0741	37°17.0'	124°21.0'	2155	330°	7	cloudy	very rough	15.40	33.097	350
60.80-J	16	0237	36°56.5'	125°04.0'	2250	330°	5	cloudy	very rough	15.94	32.898	376
60.90-J	15	2140	36°38.5'	125°47.0'	2250	330°	6	cloudy	missing	16.68	32.672	409
63.50-J	16	2200	37°23.5'	122°28.0'	15	310°	4	clear	moderate	11.63	33.570	243
63.52-J	16	2318	37°18.5'	122°36.5'	47	310°	5	clear	slight	12.48	33.524	262
63.55-J	17	0055	37°13.0'	122°50.0'	155	310°	4	clear	moderate	12.56	33.480	266
63.60-J	17	0250	37°03.0'	123°12.0'	1400	320°	4	clear	moderate	12.29	33.235	279
63.70-J	17	0735	36°42.5'	123°55.0'	2150	340°	5	clear	rough	13.76	33.191	310
63.80-J	17	1200	36°26.0'	124°39.0'	2300	350°	5	missing	very rough	15.95	32.905	376
63.90-J	17	1530	36°03.0'	125°20.0'	2450	350°	5	cloudy	very rough	15.70	32.850	374
67.48-J	18	1440	36°53.0'	121°56.0'	20	090°	2	clear	moderate	12.66	33.508	265
67.50-J	18	1330	36°48.0'	122°05.0'	55	090°	3	missing	moderate	12.65	33.315	280
67.55-J	18	1125	36°39.0'	122°26.0'	1240	350°	3	missing	rough	14.12	33.383	303
67.58-J	18	0950	36°30.0'	122°39.0'	1500	350°	3	clear	rough	13.65	33.257	303
67.70-J	18	0445	36°08.0'	123°29.5'	1950	340°	4	missing	rough	14.20	33.279	312

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6610

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
67.80-J	X-18	0045	35°48.0'	124°12.0'	2200	360°	4	partly cloudy	very rough	16.36	32.887	386
67.90-J	17	1950	35°27.5'	124°56.0'	2150	360°	5	cloudy	very rough	16.30	32.914	383
70.51-J	18	1940	36°11.5'	121°44.0'	140	-	1	partly cloudy	slight	12.00	33.562	250
70.53-J	18	2040	36°06.5'	121°54.0'	585	-	1	partly cloudy	slight	12.25	33.372	268
70.60-J	18	2355	35°53.0'	122°22.5'	1700	310°	4	partly cloudy	moderate	12.44	33.373	272
70.70-J	19	0400	35°33.0'	123°06.0'	2050	330°	3	missing	moderate	14.13	33.471	297
70.80-J	19	0755	35°10.0'	123°48.0'	2200	330°	3	missing	moderate	15.71	33.467	330
70.90-J	19	1229	34°48.0'	124°30.0'	2300	330°	3	clear	moderate	16.70	33.840	324
73.50-J	20	0934	35°37.0'	121°17.0'	52	300°	3	fog	moderate	13.54	33.459	286
73.53-J	20	0735	35°31.5'	121°28.5'	400	280°	3	clear	slight	15.38	33.453	324
73.60-J	20	0445	35°17.5'	121°58.0'	1350	280°	3	missing	moderate	15.86	33.465	332
73.70-J	20	0035	34°58.0'	122°40.0'	2200	300°	3	cloudy	moderate	15.85	33.277	346
73.80-J	19	2055	34°39.0'	123°19.5'	2250	300°	3	cloudy	moderate	16.28	33.434	344
74.91-J	19	1628	34°11.5'	124°04.0'	2350	300°	3	cloudy	moderate	16.37	32.895	385
77.48-J	20	1355	35°08.5'	120°43.5'	17	-	1	fog	slight	13.52	-	
77.51-J	20	1515	35°02.0'	120°56.5'	155	270°	1	missing	slight	14.77	33.324	320
77.55-J	20	1725	34°54.5'	121°13.0'	310	280°	2	missing	slight	15.70	33.392	335
77.60-J	20	1945	34°44.5'	121°34.0'	440	280°	3	missing	moderate	14.66	33.327	318
77.70-J	20	2330	34°24.0'	122°16.0'	2175	330°	4	partly cloudy	moderate	16.20	33.247	356

Station	Date	Time GCT	DATA AT NET TOW STATIONS							10 METERS		
			Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
77.80-J	X-21	0445	34°04.0'	122°57.0'	2250	330°	4	partly cloudy	moderate	16.12	33.335	348
77.90-J	21	0830	33°45.5'	123°35.0'	2185	340°	5	missing	rough	14.50	33.069	333
80.51-J	22	0840	34°26.0'	120°32.5'	55	340°	2	missing	rough	13.57	33.465	286
80.52-J	23	0730	34°24.5'	120°36.5'	160	330°	5	missing	very rough	13.98	33.456	295
80.55-J	23	0545	34°19.0'	120°48.0'	400	330°	6	missing	high	15.48	33.517	321
80.60-J	22	0135	34°09.0'	121°09.0'	1200	330°	6	clear	high	15.01	33.411	319
80.65-J	21	2330	33°59.0'	121°30.0'	1800	320°	7	clear	high	15.32	33.342	330
80.70-J	21	2015	33°47.0'	121°51.0'	2000	340°	7	partly cloudy	high	17.40	33.328	377
80.80-J	21	1605	33°29.0'	122°32.0'	2150	340°	6	missing	rough	17.70	33.350	382
80.90-J	21	1150	33°15.0'	123°08.0'	2200	350°	6	missing	rough	17.63	33.307	384
82.47-J	22	1140	34°15.0'	119°59.0'	310	360°	1	missing	slight	15.40	33.529	318
83.40-J	22	1500	34°14.0'	119°22.0'	12	060°	3	missing	slight	16.70	33.510	348
83.43-J	22	1630	34°08.0'	119°34.0'	130	090°	2	missing	moderate	17.08	33.514	356
83.51-J	22	2059	33°52.0'	120°08.5'	57	280°	3	missing	rough	16.06	33.536	332
83.55-J	22	2347	33°45.0'	120°22.5'	650	330°	4	partly cloudy	very rough	15.72	33.533	325
83.60-J	23	0205	33°34.0'	120°45.0'	800	330°	4	partly cloudy	very rough	15.17	33.523	314
83.65-J	23	0415	33°24.0'	121°06.0'	2000	330°	5	missing	very rough	15.48	33.537	320
83.70-J	23	0615	33°14.5'	121°26.0'	2000	340°	6	missing	very rough	15.18	33.287	331
83.80-J	23	1040	32°54.0'	122°08.0'	2150	340°	4	missing	very rough	15.70	33.241	346

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6610

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
83.90-J	X-23	1445	32°35.5'	122°50.0'	2250	340°	4	partly cloudy	very rough	17.78	33.324	386
87.33-J	24	1955	33°54.0'	118°29.5'	28	-	1	clear	slight	17.34	33.524	361
87.35-J	24	1900	33°50.0'	118°37.5'	300	-	1	clear	slight	16.94	33.491	355
87.40-J	24	1645	33°40.0'	118°58.0'	485	-	1	clear	slight	17.35	33.483	364
87.45-J	24	1425	33°30.0'	119°19.0'	520	300°	1	clear	moderate	17.80	33.592	367
87.50-J	24	1215	33°20.0'	119°39.5'	40	270°	1	clear	moderate	18.02	33.637	369
87.55-J	24	1003	33°15.0'	120°00.0'	505	240°	2	missing	moderate	15.85	33.516	329
87.60-J	24	0740	33°00.0'	120°21.5'	400	-	1	missing	moderate	16.72	33.571	344
87.65-J	24	0540	32°49.5'	120°41.5'	2000	-	1	missing	moderate	16.61	33.588	340
87.70-J	24	0330	32°39.5'	121°02.0'	2050	-	1	missing	moderate	16.62	33.621	338
87.80-J	23	2314	32°19.5'	121°43.0'	2180	020°	3	clear	moderate	16.70	33.570	343
87.90-J	23	1845	31°57.5'	122°24.0'	2250	340°	4	clear	rough	16.88	33.274	369
90.65-J	9	0600	32°15.0'	120°18.0'	2000	320°	3	missing	rough	18.22	-	
93.27-J	12	0945	32°56.0'	117°19.0'	51	280°	3	partly cloudy	moderate	18.92	33.501	400
93.35-J	12	1612	32°40.5'	117°51.5'	365	290°	3	overcast	slight	19.88	33.592	416
93.45-J	12	1102	32°20.0'	118°32.0'	700	310°	3	overcast	moderate	19.08	33.455	407
93.55-J	12	0538	32°01.0'	119°13.5'	1150	310°	4	overcast	moderate	18.83	33.662	386
93.65-J	11	2340	31°40.0'	119°53.5'	2050	300°	4	overcast	very rough	18.80	33.695	383

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
97.29-G	X-13	2340	32°17.0'	117°04.5'	-	-	-	missing	missing	18.50	33.508	389
97.30-G	14	0025	32°16.0'	117°06.5'	32	300°	4	clear	moderate	18.76a)	33.555	392a)
97.32-G	14	0120	32°12.0'	117°15.0'	746	270°	4	clear	moderate	19.93	33.661	413
97.35-G	14	0400	32°05.5'	117°27.5'	660	320°	4	clear	rough	19.58	33.631	406
97.40-G	14	0645	31°55.0'	117°49.5'	750	340°	4	clear	rough	20.00	33.648	416
97.45-G	14	0911	31°46.0'	118°09.0'	820	330°	3	missing	moderate	19.60	33.656	405
97.50-G	14	1325	31°35.0'	118°30.0'	1326	340°	2	missing	slight	18.12	33.411	387
97.55-G	14	1615	31°25.5'	118°50.0'	1375	340°	4	missing	rough	18.10	-	
97.60-G	14	1830	31°17.0'	119°10.0'	1986	040°	3	missing	very rough	18.27	33.368	394
97.65-G	14	2120	31°05.0'	119°31.5'	1780	050°	3	clear	very rough	17.78	33.378	382
97.70-G	15	0005	30°55.0'	119°51.0'	1920	030°	3	clear	very rough	17.94	33.335	389
97.80-G	15	0440	30°35.0'	120°31.0'	2150	270°	3	clear	very rough	18.23	33.657	372
100.29-G	16	1111	31°42.0'	116°44.5'	144	070°	2	clear	slight	15.05	33.395	321
100.30-G	16	1019	31°41.0'	116°46.5'	218	360°	2	clear	slight	15.35	33.411	326
100.35-G	16	0755	31°27.5'	117°05.0'	610	320°	5	clear	very rough	19.87	33.678	410
100.40-G	16	0530	31°20.5'	117°25.0'	1080	300°	4	clear	very rough	19.48	33.611	406
100.45-G	16	0300	31°10.0'	117°46.0'	448	300°	5	clear	very rough	19.22	33.473	409

a) Alternate values: 18.62°C; 389 cl/ton.

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
100.50-G	X-16	0015	30°59.0'	118°07.0'	941	330°	4	clear	very rough	19.16	33.452	409
100.55-G	15	2148	30°49.0'	118°27.5'	1360	320°	5	partly cloudy	rough	19.26	33.486	409
100.60-G	15	1905	30°38.5'	118°47.5'	1400	320°	4	partly cloudy	rough	19.38	33.552	408
100.65-G	15	1640	30°30.5'	119°07.5'	2000	360°	4	clear	rough	19.40	33.562	407
100.70-G	15	1401	30°21.0'	119°28.0'	2061	340°	4	clear	rough	19.38	33.561	407
100.80-G	15	0924	30°01.0'	120°06.5'	2144	340°	2	clear	slight	19.63	33.646	407
103.29-G	16	1545	31°07.0'	116°21.0'	-	-	-	missing	missing	14.80	33.384	317
103.30-G	16	1615	31°06.0'	116°24.5'	-	-	-	missing	missing	16.48	33.453	347
103.35-G	16	1830	30°55.5'	116°45.0'	985	280°	4	partly cloudy	very rough	19.90	33.679	411
103.40-G	16	2137	30°46.5'	117°05.5'	935	040°	5	clear	very rough	19.03	33.542	400
103.45-G	17	0012	30°35.5'	117°24.7'	1264	360°	4	clear	very rough	19.65	33.629	408
103.50-G	17	0230	30°25.0'	117°44.5'	1180	040°	3	clear	moderate	19.70	33.600	412
103.55-G	17	0505	30°15.0'	118°05.0'	1306	360°	3	clear	moderate	19.76	33.626	411
103.60-G	17	0715	30°05.5'	118°24.0'	1870	010°	3	missing	moderate	19.69	33.615	410
103.65-G	17	0928	29°56.0'	118°44.0'	1660	340°	4	clear	moderate	19.68	33.597	412
103.70-G	17	1148	29°46.5'	119°04.0'	1886	360°	3	clear	moderate	19.26	33.533	406
107.31-G	18	1207	30°28.0'	116°07.0'	24	100°	3	clear	slight	15.99	33.383	342
107.32-G	18	1126	30°25.5'	116°11.0'	214	100°	2	clear	slight	16.26	33.394	347
107.35-G	18	0933	30°22.5'	116°21.5'	925	260°	2	clear	slight	18.04	33.498	380

Station	Date	Time GCT	DATA AT NET TOW STATIONS							10 METERS		
			Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
107.40-G	X-18	0655	30°10.5'	116°43.0'	1379	020°	4	missing	moderate	18.26	33.513	383
107.45-G	18	0435	30°00.5'	117°01.5'	953	350°	2	missing	moderate	19.62	33.576	412
107.50-G	18	0200	29°49.5'	117°21.0'	1321	360°	3	partly cloudy	very rough	19.78	33.551	417
107.55-G	17	2329	29°40.0'	117°41.0'	1706	350°	3	clear	very rough	20.12	33.603	422
107.60-G	17	2059	29°30.5'	118°01.0'	1929	320°	4	clear	very rough	19.97	33.616	417
107.65-G	17	1835	29°22.0'	118°21.0'	1530	360°	3	clear	rough	19.24	33.509	407
107.70-G	17	1600	29°11.0'	118°41.0'	1320	360°	3	clear	very rough	19.45	33.504	412
110.32-G	18	1615	29°52.0'	115°48.0'	15	280°	3	clear	rough	14.42	33.411	307
110.35-G	18	1745	29°45.5'	116°00.5'	670	220°	3	clear	moderate	18.86	33.507	398
110.40-G	18	1947	29°35.5'	116°19.5'	1256	250°	4	clear	rough	20.14	33.552	426
110.45-G	18	2202	29°26.0'	116°39.5'	346	330°	3	clear	rough	18.81	33.469	400
110.50-G	19	0021	29°17.5'	116°58.5'	1630	270°	4	clear	rough	20.27	33.662	422
110.55-G	19	0255	29°07.0'	117°19.0'	1818	330°	4	clear	slight	20.14	33.665	417
110.60-G	19	0515	28°55.0'	117°38.0'	1906	350°	4	clear	slight	19.71	33.552	415
110.65-G	19	0740	28°43.0'	117°58.0'	1900	350°	3	clear	slight	19.78	33.588	414
110.70-G	19	0943	28°36.5'	118°17.0'	1904	130°	3	clear	slight	19.42	33.487	406
113.29-G	20	1029	29°24.0'	115°13.0'	15	310°	4	missing	slight	17.07	33.486	358
113.30-G	20	0926	29°22.0'	115°18.0'	34	340°	3	missing	slight	16.84	33.469	354
113.35-G	20	0630	29°12.0'	115°38.5'	700	270°	3	missing	slight	17.39	33.391	372

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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
113.40-G	X-20	0410	29°02.0'	115°56.5'	1020	320°	3	fog	slight	20.16	33.620	422
113.45-G	20	0150	28°53.5'	116°17.0'	1069	340°	3	clear	moderate	20.10	33.668	417
113.50-G	19	2336	28°43.0'	116°36.5'	1922	290°	4	clear	moderate	19.99	33.548	422
113.55-G	19	2113	28°32.0'	116°56.5'	1810	350°	3	clear	moderate	20.31	33.590	428
113.60-G	19	1850	28°22.5'	117°15.0'	1928	040°	4	clear	moderate	20.48	33.750	421
113.65-G	19	1720	28°12.5'	117°35.5'	2040	340°	3	clear	moderate	20.78	33.948	414
113.70-G	19	1352	28°01.0'	117°52.5'	1792	030°	3	clear	moderate	20.68	33.881	416
117.25-G	20	1715	28°58.0'	114°36.5'	17	220°	1	partly cloudy	moderate	18.06	33.507	379
117.26-G	20	1630	28°56.0'	114°41.5'	40	310°	2	partly cloudy	moderate	18.56	33.524	390
117.30-G	20	1440	28°48.0'	114°56.5'	55	270°	3	partly cloudy	moderate	19.18	33.548	403
117.35-G	22	1115	28°38.0'	115°15.5'	126	320°	3	missing	slight	19.97	33.599	419
117.40-G	22	1330	28°28.0'	115°35.5'	546	010°	3	cloudy	moderate	20.00	33.630	417
117.45-G	22	1552	28°17.5'	115°56.0'	1612	310°	2	partly cloudy	moderate	19.94	33.582	419
117.50-G	22	1805	28°08.0'	116°15.0'	2172	330°	2	partly cloudy	rough	19.80	33.543	418
117.55-G	22	2030	27°57.5'	116°36.0'	2320	350°	3	cloudy	very rough	20.54	33.593	433
117.60-G	22	2230	27°48.0'	116°53.0'	1931	320°	4	cloudy	very rough	21.19	33.686	443
117.65-G	23	0045	27°37.5'	117°13.0'	1984	320°	3	partly cloudy	very rough	20.94	33.651	439
117.70-G	23	0307	27°27.5'	117°33.0'	1975	330°	2	partly cloudy	slight	21.01	33.650	441
118.39-G	21	1402	28°18.5'	115°24.0'	144	240°	4	cloudy	moderate	20.56	33.630	431

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
119.33-G	X-21	0707	28°19.0'	114°53.0'	58	300°	5	missing	slight	19.82	33.545	418
120.24-G	21	0220	28°24.0'	114°11.5'	21	330°	2	missing	slight	19.80	33.610	413
120.25-G	21	0249	28°22.5'	114°15.0'	30	360°	3	missing	slight	20.32	33.608	426
120.30-G	21	0453	28°13.0'	114°34.0'	50	100°	2	missing	slight	19.90	33.583	418
120.35-G	21	0910	28°03.0'	114°54.0'	44	080°	3	missing	slight	20.44	33.619	429
120.40-G	21	1115	27°56.5'	115°14.0'	24	040°	2	missing	slight	15.84	33.650	319
120.45-G	23	1935	27°42.0'	115°32.0'	1362	340°	3	clear	very rough	20.17	33.592	424
120.50-G	23	1653	27°38.5'	115°55.0'	2246	020°	3	partly cloudy	rough	21.05	33.659	441
120.55-G	23	1442	27°28.5'	116°12.0'	2216	030°	4	cloudy	rough	21.02	33.642	442
120.60-G	23	1230	27°17.5'	116°31.5'	2021	340°	4	missing	moderate	21.43	33.724	447
120.65-G	23	0945	27°06.0'	116°51.0'	2030	320°	3	missing	moderate	21.61	33.736	450
120.70-G	23	0712	26°55.0'	117°11.0'	2072	010°	4	partly cloudy	slight	21.52	33.719	449
123.36-G	24	0040	27°25.5'	114°36.0'	27	280°	1	clear	rough	17.90	33.721	360
123.37-G	24	0120	27°24.0'	114°40.0'	39	290°	2	clear	rough	18.38	33.703	372
123.42-G	24	0335	27°14.0'	114°59.0'	1028	310°	4	clear	slight	20.66	33.614	434
123.45-G	24	0515	27°08.0'	115°11.0'	2232	310°	3	clear	slight	21.40	33.765	443
123.50-G	24	0738	26°57.5'	115°29.5'	1772	330°	4	clear	slight	21.41	33.770	443
123.55-G	24	0959	26°47.0'	115°48.5'	1910	320°	3	clear	slight	21.60	33.761	448
123.60-G	24	1230	26°37.0'	116°06.5'	2032	340°	4	clear	slight	21.27	33.687	445

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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
127.33-G	X-25	0540	26°57.5'	114°02.5'	36	250°	2	clear	smooth	19.92	33.839	400
127.34-G	25	0453	26°55.5'	114°06.5'	41	300°	3	clear	smooth	21.15	33.889	427
127.40-G	25	0206	26°43.0'	114°29.0'	1774	290°	3	clear	slight	21.30	33.861	433
127.45-G	25	0048	26°32.5'	114°48.5'	1662	300°	3	clear	rough	20.06	33.621	419
127.50-G	24	2120	26°23.5'	115°08.0'	1982	310°	3	clear	rough	20.63	33.606	434
126.56-G	24	1829	26°14.5'	115°35.0'	2032	330°	2	clear	rough	21.28	33.700	444
127.60-G	24	1607	26°07.0'	115°48.5'	2024	340°	2	partly cloudy	moderate	21.28	33.719	443
130.28-G	25	1004	26°33.0'	113°21.0'	31	010°	3	clear	smooth	21.22	33.927	427
130.30-G	25	1109	26°29.0'	113°29.0'	43	010°	2	clear	smooth	19.82	33.846	397
130.35-G	25	1406	26°19.0'	113°48.0'	238	300°	1	clear	moderate	22.78	34.103	455
130.40-G	25	1625	26°08.5'	114°08.5'	1294	300°	3	clear	moderate	22.56	34.040	454
130.45-G	25	2037	25°58.5'	114°28.5'	1860	300°	3	clear	rough	22.94	33.974	469
130.50-G	25	2246	25°49.0'	114°47.5'	1894	310°	3	clear	rough	22.32	33.931	455
130.55-G	26	0105	25°38.0'	115°08.5'	2020	310°	3	clear	rough	23.28	34.038	474
130.60-G	26	0300	25°29.0'	115°24.0'	2050	320°	3	clear	slight	21.91	33.858	450
133.23-G	27	0159	26°08.5'	112°40.0'	39	300°	3	clear	slight	22.01	33.873	451
133.25-G	27	0056	26°05.0'	112°48.0'	45	270°	3	clear	moderate	23.09	34.020	470
133.30-G	26	2240	25°55.0'	113°07.0'	120	260°	3	clear	moderate	23.09	33.978	472
133.35-G	26	2020	25°43.5'	113°26.0'	471	270°	1	clear	rough	24.19	34.262	483

Station	Date	Time	DATA AT NET TOW STATIONS							10 METERS		
			Latitude	Longitude	Sounding	Wind		Weather	Sea	T	S	δ_T
		GCT	North	West	(fm)	Dir	Force			°C	ρ	cl/ton
133.40-G	X-26	1751	25°33.0'	113°45.5'	1509	320°	4	clear	moderate	23.58	33.897	493
133.45-G	26	1535	25°23.0'	114°05.0'	1852	320°	4	clear	moderate	23.40	33.919	486
133.51-G	26	1210	25°16.0'	114°31.0'	1941	320°	3	clear	slight	23.59	34.078	479
133.55-G	26	0950	25°06.0'	114°47.5'	2046	320°	3	clear	slight	23.59	34.056	480
133.60-G	26	0724	24°55.0'	115°05.0'	2027	310°	3	clear	smooth	23.75	34.040	487
137.22-G	27	0607	25°36.0'	112°15.0'	30	330°	2	clear	slight	23.19	34.000	474
137.23-G	27	0647	25°33.5'	112°18.5'	40	250°	2	clear	slight	23.56	34.003	484
137.30-G	27	0939	25°19.0'	112°44.5'	224	260°	3	clear	slight	23.56	34.013	483
137.35-G	27	1159	25°08.0'	113°03.0'	816	290°	3	clear	slight	24.32	34.252	487
137.40-G	27	1420	25°00.0'	113°23.5'	1612	300°	3	clear	rough	24.62	34.268	495
137.45-G	27	1640	24°50.5'	113°39.5'	1882	310°	3	partly cloudy	rough	24.36	34.127	497
137.50-G	27	1858	24°41.0'	113°59.0'	1984	310°	2	partly cloudy	rough	24.06	33.993	499
137.55-G	27	2111	24°30.0'	114°20.0'	1905	310°	3	partly cloudy	rough	23.91	34.054	490
137.60-G	27	2311	24°20.0'	114°39.5'	1905	320°	2	clear	rough	23.83	34.071	487

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FIGURES
Special Cruise 6611

- 1. Special Cruise 6611, station positions**

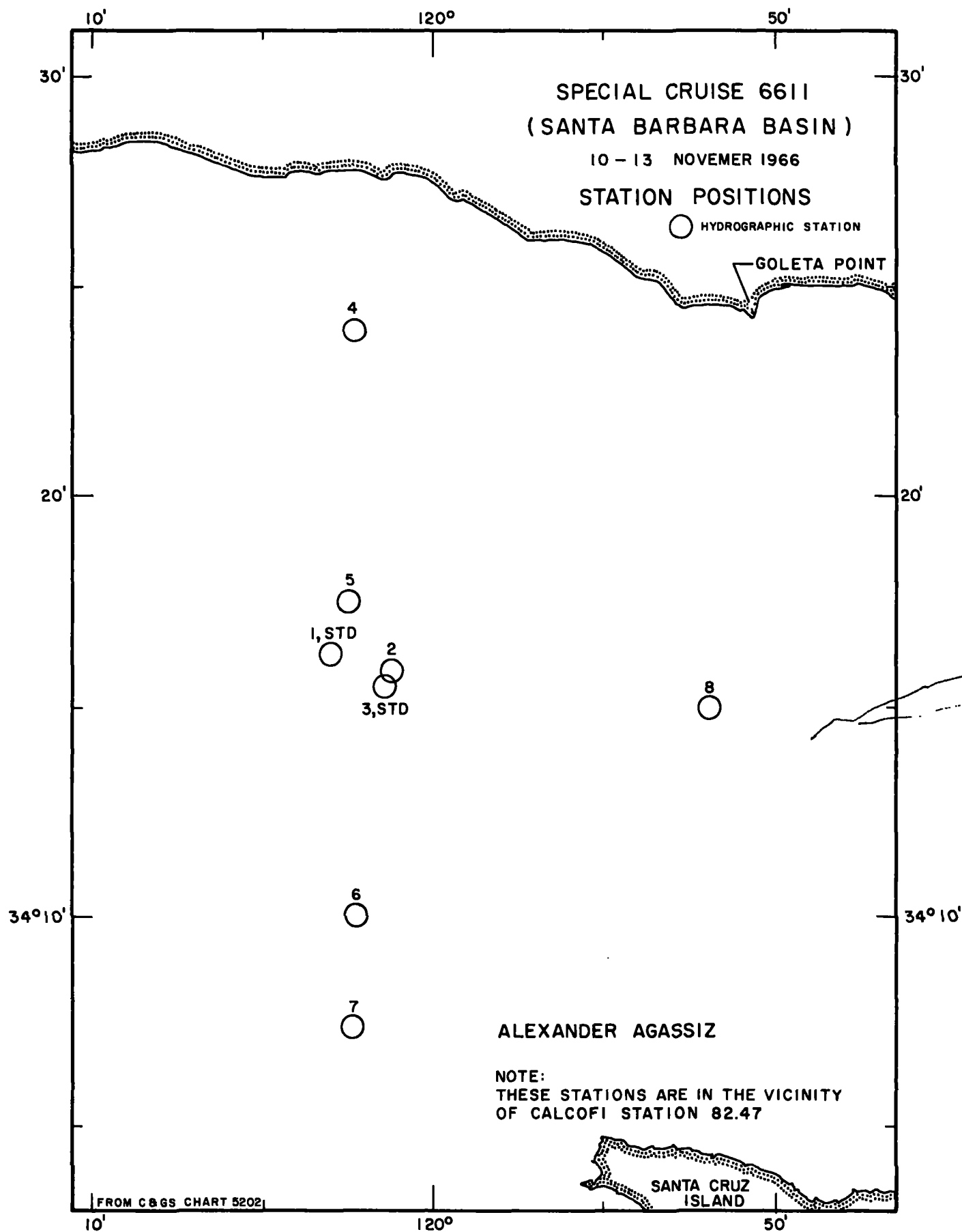


FIGURE 1

PERSONNEL
Special Cruise 6611

SHIP'S CAPTAIN

Davis, Laurence E., RV Alexander Agassiz

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz

Soutar, Andrew, Laboratory Technician (in charge)
Berger, Wolfgang, Research Assistant
Brown, Daniel M., Principal Marine Technician
Duffrin, Erich W., Senior Laboratory Mechanician
Graham, Jerry B., Electronics Technician
Hester, Arthur W., Senior Marine Technician
Pine, James S., Senior Marine Technician

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH							
INPUT								COMPUTED							
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
1	SPECIAL CRUISE 6611														1 A)
ALEXANDER AGASSIZ, NOVEMBER 10 1966, 0421 0505 GMT, 34 16.2N 120 03.5W, SOUNDING 313 FM, WIND 270 FORCE 4, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 03.															
2	16.72	33.490	5.678	-	-	-	349.8	0	16.66	33.48	-	24.45	349.2	0	
98	10.54	-	3.62	-	-	-	-	10	16.66	33.48	-	24.45	349.2	.035	
186	-	-	2.39	-	-	-	-	20	16.08	33.48	-	24.58	336.5	.069	
275	-	-	1.38	-	-	-	-	30	15.84	33.48	-	24.64	331.3	.103	
366	-	-	.62	-	-	-	-	50	13.93	33.46	-	25.03	293.6	.165	
454	6.79	-	.22	-	-	-	-	75	11.39	33.56	-	25.61	239.1	.232	
463	-	-	.12	-	-	-	-	100	10.38	33.69	-	25.89	212.5	.289	
473	-	-	.12	-	-	-	-	125	10.01	33.78	-	26.02	199.8	.341	
482	-	-	.10	-	-	-	-	150	9.70	33.87	-	26.14	188.2	.391	
492	6.56	-	.10	-	-	-	-	200	8.97	34.05	-	26.40	163.6	.480	
502	-	-	.10	-	-	-	-	250	8.46	34.13	-	26.54	150.1	.561	
512	-	-	.18	-	-	-	-	300	8.17	34.17	-	26.62	142.9	.636	
522	-	-	.05	-	-	-	-	400	7.21	34.21	-	26.79	126.7	.777	
532	6.45	-	.06	-	-	-	-	500	6.52	34.24	-	26.91	115.5	.905	
542	-	-	.05	-	-	-	-								
552	-	-	.07	-	-	-	-								
562	6.44	34.253	.06	-	-	-	113.6								
567	6.44	34.254	.11	-	-	-	113.5								
570	-	-	.34	-	-	-	-								
2	SPECIAL CRUISE 6611														2
ALEXANDER AGASSIZ, NOVEMBER 11 1966, 0313 0215 GMT, 34 15.8N 120 01.2W, SOUNDING 312 FM, WIND 040 FORCE 3, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 03.															
0	16.10	33.475	5.87	-	-	-	337.3	0	16.04	33.46	-	24.58	337.1	0	
96	10.70	-	3.74	-	-	-	-	10	15.64	33.50	-	24.70	325.6	.033	
186	9.28	-	2.39	-	-	-	-	20	14.75	33.49	-	24.88	307.8	.065	
275	-	-	1.23	-	-	-	-	30	13.80	33.49	-	25.08	288.8	.095	
365	-	-	.64	-	-	-	-	50	12.45	33.38	-	25.27	271.3	.151	
454	6.70	-	.12	-	-	-	-	75	11.28	33.51	-	25.59	240.9	.215	
464	-	-	.08	-	-	-	-	100	10.39	33.72	-	25.91	210.4	.272	
475	-	-	.08	-	-	-	-	125	9.78	33.83	-	26.10	192.4	.323	
484	-	-	.06	-	-	-	-	150	9.48	33.92	-	26.22	181.0	.371	
494	6.53	-	.09	-	-	-	-	200	9.07	34.04	-	26.38	165.8	.459	
505	-	-	.10	-	-	-	-	250	8.58	34.12	-	26.52	152.6	.541	
515	-	-	.07	-	-	-	-	300	8.22	34.18	-	26.62	142.9	.617	
525	-	-	.06	-	-	-	-	400	7.14	34.22	-	26.81	125.0	.757	
535	6.46	-	.08	-	-	-	-	500	6.52	34.25	-	26.91	114.8	.883	
545	-	-	.08	-	-	-	-								
555	-	-	.06	-	-	-	-								
565	6.43	34.250	.08	-	-	-	113.7								
570	6.45	34.250	.08	-	-	-	113.9								
576	-	-	.12	-	-	-	-								
3	SPECIAL CRUISE 6611														3
ALEXANDER AGASSIZ, NOVEMBER 12 1966, 0210 0410 GMT, 34 16N 120 01.3W, SOUNDING 312 FM, WIND 280 FORCE 2, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 00.															
0	-	-	5.83	-	-	-	-	0	16.42	33.49	-	24.51	343.2	0	
96	10.77	-	3.80	-	-	-	-	10	16.35	33.47	-	24.51	343.1	.034	
185	9.21	-	2.63	-	-	-	-	20	15.00	33.42	-	24.78	318.1	.067	
275	-	-	1.30	-	-	-	-	30	12.52	33.35	-	25.23	274.8	.097	
365	-	-	.66	-	-	-	-	50	12.03	33.44	-	25.39	259.3	.151	
454	6.75	-	.19	-	-	-	-	75	11.20	33.56	-	25.64	235.8	.213	
464	-	-	.08	-	-	-	-	100	10.65	33.67	-	25.82	218.4	.270	
474	-	-	.16	-	-	-	-	125	10.00	33.81	-	26.04	197.4	.323	
483	-	-	.08	-	-	-	-	150	9.83	33.87	-	26.12	190.3	.372	
493	6.52	-	.08	-	-	-	-	200	9.10	34.04	-	26.37	166.3	.463	
503	-	-	.04	-	-	-	-	250	8.57	34.13	-	26.53	151.7	.544	
513	-	-	.07	-	-	-	-	300	8.20	34.18	-	26.62	142.6	.620	
523	-	-	.07	-	-	-	-	400	7.17	34.22	-	26.80	125.4	.760	
533	6.46	-	.05	-	-	-	-	500	6.50	34.26	-	26.92	113.8	.886	
543	-	-	.04	-	-	-	-								
553	-	-	.06	-	-	-	-								
563	6.44	-	.07	-	-	-	-								
568	6.45	-	.04	-	-	-	-								
571	-	-	.06	-	-	-	-								
574	-	-	.20	-	-	-	-								

A) ALL STATIONS ON THIS CRUISE ARE IN THE VICINITY OF CALCOFI STATION 82.47.

B) EIGHT NANSEN BOTTLE LOWERINGS WERE MADE TO INVESTIGATE THE OXYGEN MINIMUM. ALL STANDARD DEPTH VALUES OF TEMPERATURE AND SALINITY WERE READ FROM S/T/D RECORDINGS. THE TEMPERATURES WERE ACCEPTED WITHOUT CORRECTION BUT -0.09 WAS APPLIED TO ALL SALINITY VALUES.

OBSERVED LEVELS OF DEPTH

STANDARD LEVELS OF DEPTH

INPUT								COMPUTED							
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DO	
SPECIAL CRUISE 6611															
4								4							
ALEXANDER AGASSIZ, NOVEMBER 13 1966, 0317 0340 GMT, 34 24N 120 03.3W, SOUNDING 54 FM, WIND MISSING, WEATHER MISSING, SEA MISSING, WIRE ANGLE 03.															
0	-	-	5.84	-	-	-	-	0	16.52	33.47	-	24.47	346.8	0	
14	-	-	5.85	-	-	-	-	10	16.38	33.47	-	24.51	343.8	.035	
23	15.35	-	5.74	-	-	-	-	20	15.92	33.41	-	24.56	338.2	.069	
33	-	-	5.55	-	-	-	-	30	13.38	33.31	-	25.03	293.9	.100	
42	-	-	4.91	-	-	-	-	50	12.51	33.39	-	25.26	271.7	.157	
52	-	-	5.10	-	-	-	-	75	11.93	33.47	-	25.44	255.3	.223	
62	12.30	-	4.95	-	-	-	-								
71	-	-	4.53	-	-	-	-								
81	-	-	4.43	-	-	-	-								
91	11.67	-	4.43	-	-	-	-								
95	-	-	4.36	-	-	-	-								
98	-	-	4.36	-	-	-	-								
101	-	-	4.32	-	-	-	-								

SPECIAL CRUISE 6611															
5								5							
ALEXANDER AGASSIZ, NOVEMBER 13 1966, 0513 0544 GMT, 34 17.5N 120 02.4W, SOUNDING 310 FM, WIND 320 FORCE 1, WEATHER MISSING, SEA MISSING, WIRE ANGLE 05.															
404	7.08	34.240	.44	-	-	-	122.7	0	16.56	33.49	-	24.48	346.2	0	
414	7.04	34.235	.40	-	-	-	122.6	10	16.56	33.49	-	24.48	346.2	.035	
423	-	-	.34	-	-	-	-	20	16.30	33.45	-	24.51	343.5	.069	
433	-	-	.31	-	-	-	-	30	13.50	33.33	-	25.02	294.7	.101	
443	-	-	.24	-	-	-	-	50	11.58	33.51	-	25.53	246.1	.155	
453	6.70	-	.13	-	-	-	-	75	11.03	33.58	-	25.69	231.4	.215	
463	-	-	.11	-	-	-	-	100	10.68	33.66	-	25.81	219.0	.272	
473	-	-	.12	-	-	-	-	125	10.20	33.76	-	25.97	204.3	.326	
483	-	-	.08	-	-	-	-	150	9.88	33.85	-	26.10	192.5	.376	
493	6.52	-	.11	-	-	-	-	200	9.13	33.94	-	26.29	174.2	.470	
503	-	-	.08	-	-	-	-	250	8.75	34.11	-	26.48	155.8	.554	
513	-	-	.09	-	-	-	-	300	8.33	34.17	-	26.59	145.2	.632	
523	-	-	.09	-	-	-	-	400	7.13	34.23	-	26.82	124.2	.772	
533	6.47	-	.08	-	-	-	-	500	6.54	34.26	-	26.92	114.3	.898	
543	-	-	.07	-	-	-	-								
553	-	-	.10	-	-	-	-								
563	6.44	34.251	.07	-	-	-	113.7								
568	6.44	34.251	.08	-	-	-	113.7								
571	-	-	.07	-	-	-	-								
574	-	-	.07	-	-	-	-								

SPECIAL CRUISE 6611															
6								6							
ALEXANDER AGASSIZ, NOVEMBER 13 1966, 0816 0845 GMT, 34 10N 120 02.2W, SOUNDING 281 FM, WIND MISSING, WEATHER MISSING, SEA MISSING, WIRE ANGLE 03.															
351	7.58	-	.79	-	-	-	-	0	16.48	33.50	-	24.51	343.8	0	
360	7.50	-	.69	-	-	-	-	10	15.69	33.43	-	24.63	331.8	.034	
370	-	-	.54	-	-	-	-	20	15.28	33.47	-	24.75	320.2	.066	
380	-	-	.59	-	-	-	-	30	14.04	33.39	-	24.96	300.9	.098	
390	-	-	.63	-	-	-	-	50	12.49	33.36	-	25.24	273.5	.155	
400	7.15	-	.54	-	-	-	-	75	10.90	33.56	-	25.69	230.7	.219	
410	-	-	.41	-	-	-	-	100	10.10	33.79	-	26.01	200.5	.273	
420	-	-	.38	-	-	-	-	125	9.66	33.87	-	26.15	187.6	.322	
430	-	-	.35	-	-	-	-	150	9.42	33.95	-	26.25	177.9	.368	
440	6.73	-	.25	-	-	-	-	200	8.85	34.09	-	26.45	158.8	.454	
449	-	-	.19	-	-	-	-	250	8.52	34.14	-	26.54	150.2	.534	
459	-	-	.12	-	-	-	-	300	8.05	34.20	-	26.66	139.0	.608	
469	-	-	.10	-	-	-	-	400	7.05	34.23	-	26.83	123.1	.745	
480	6.58	-	.11	-	-	-	-	500	6.53	34.26	-	26.92	114.2	.870	
489	-	-	.10	-	-	-	-								
499	-	-	.08	-	-	-	-								
509	6.49	-	.08	-	-	-	-								
514	6.47	-	.10	-	-	-	-								
517	-	-	.05	-	-	-	-								
521	-	-	.10	-	-	-	-								

O B S E R V E D L E V E L S O F D E P T H								S T A N D A R D L E V E L S O F D E P T H							
I N P U T				C O M P U T E D				I N P U T				C O M P U T E D			
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD	
7														7	
SPECIAL CRUISE 6611															
ALEXANDER AGASSIZ, NOVEMBER 13 1966, 0950 1013 GMT, 34 07.4N 120 02.3W, SOUNDING 144 FM, WIND MISSING, WEATHER MISSING, SEA MISSING, WIRE ANGLE 10.															
102	10.04	-	3.24	-	-	-	-	0	16.06	33.47	-	24.58	336.8	0	
112	9.82	-	3.11	-	-	-	-	10	16.00	33.46	-	24.58	336.2	.034	
122	-	-	2.98	-	-	-	-	20	15.35	33.45	-	24.72	323.2	.067	
132	-	-	2.88	-	-	-	-	30	14.50	33.48	-	24.93	303.5	.098	
141	-	-	2.77	-	-	-	-	50	12.82	33.48	-	25.27	270.8	.156	
151	9.34	-	2.67	-	-	-	-	75	10.85	33.63	-	25.76	224.7	.218	
160	-	-	2.56	-	-	-	-	100	10.07	33.80	-	26.02	199.3	.271	
170	-	-	2.50	-	-	-	-	125	9.49	33.94	-	26.23	179.7	.319	
179	-	-	2.43	-	-	-	-	150	9.38	33.96	-	26.26	176.5	.365	
189	9.16	-	2.33	-	-	-	-	200	9.07	34.05	-	26.38	165.1	.452	
199	-	-	2.25	-	-	-	-								
210	-	-	2.15	-	-	-	-								
219	-	-	2.04	-	-	-	-								
229	8.70	-	1.79	-	-	-	-								
238	-	-	1.64	-	-	-	-								
248	-	-	1.61	-	-	-	-								
258	8.48	-	1.54	-	-	-	-								
262	8.40	-	1.47	-	-	-	-								
265	-	-	1.42	-	-	-	-								
268	-	-	1.38	-	-	-	-								

8														8	
SPECIAL CRUISE 6611															
ALEXANDER AGASSIZ, NOVEMBER 13 1966, 1152 1214 GMT, 34 15N 119 51.8W, SOUNDING 258 FM, WIND MISSING, WEATHER MISSING, SEA MISSING, WIRE ANGLE 00.															
303	8.10	34.191	.94	-	-	-	140.4	0	16.77	33.43	-	24.38	355.3	0	
313	8.00	34.194	.85	-	-	-	138.7	10	16.78	33.43	-	24.38	355.5	.036	
323	-	-	.83	-	-	-	-	20	16.28	33.43	-	24.50	344.5	.071	
333	-	-	.71	-	-	-	-	30	14.70	33.39	-	24.82	314.1	.104	
342	-	-	.66	-	-	-	-	50	11.92	33.36	-	25.35	263.2	.162	
353	7.46	-	.46	-	-	-	-	75	11.30	33.54	-	25.61	239.0	.225	
363	-	-	.59	-	-	-	-	100	10.75	33.64	-	25.78	222.3	.283	
373	-	-	.59	-	-	-	-	125	9.88	33.83	-	26.08	194.0	.335	
383	-	-	.54	-	-	-	-	150	9.63	33.89	-	26.17	185.6	.384	
393	7.06	-	.50	-	-	-	-	200	9.16	34.03	-	26.35	168.0	.474	
403	-	-	.47	-	-	-	-	250	8.60	34.14	-	26.53	151.4	.556	
413	-	-	.46	-	-	-	-	300	8.12	34.19	-	26.64	140.7	.631	
423	-	-	.42	-	-	-	-	400	6.95	34.24	-	26.85	121.0	.768	
433	6.82	-	.37	-	-	-	-								
443	-	-	.31	-	-	-	-								
453	-	-	.26	-	-	-	-								
463	6.71	34.244	.22	-	-	-	117.6								
468	6.69	34.248	.21	-	-	-	117.1								
471	-	-	.18	-	-	-	-								
474	-	-	.16	-	-	-	-								

FIGURES
Cruise 6612

1. CalCOFI Cruise 6612, station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of thermosteric anomaly at 10 meters
7. Horizontal distribution of temperature at 200 meters
8. Horizontal distribution of salinity at 200 meters
9. Horizontal distribution of thermosteric anomaly at 200 meters

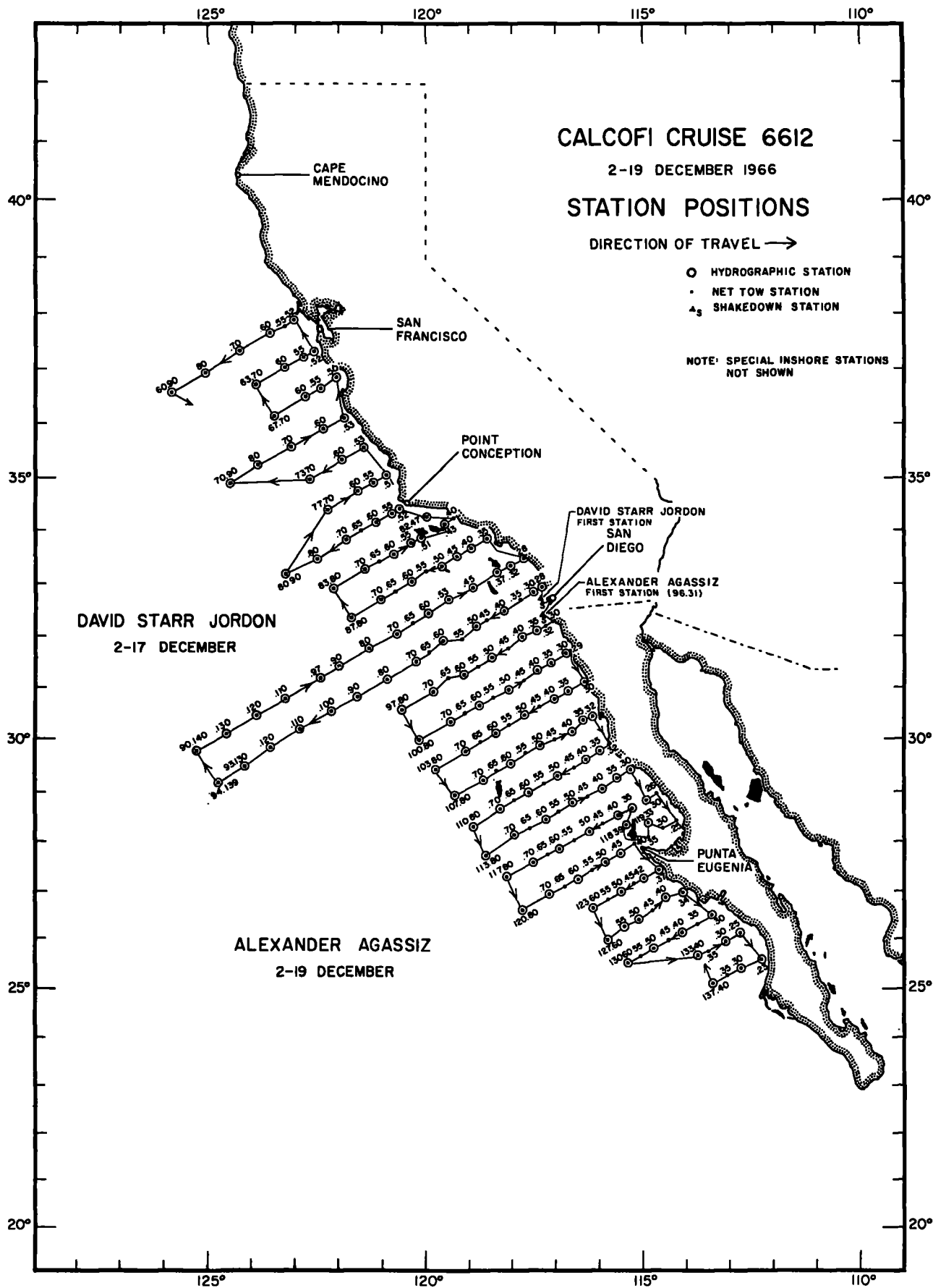


FIGURE 1

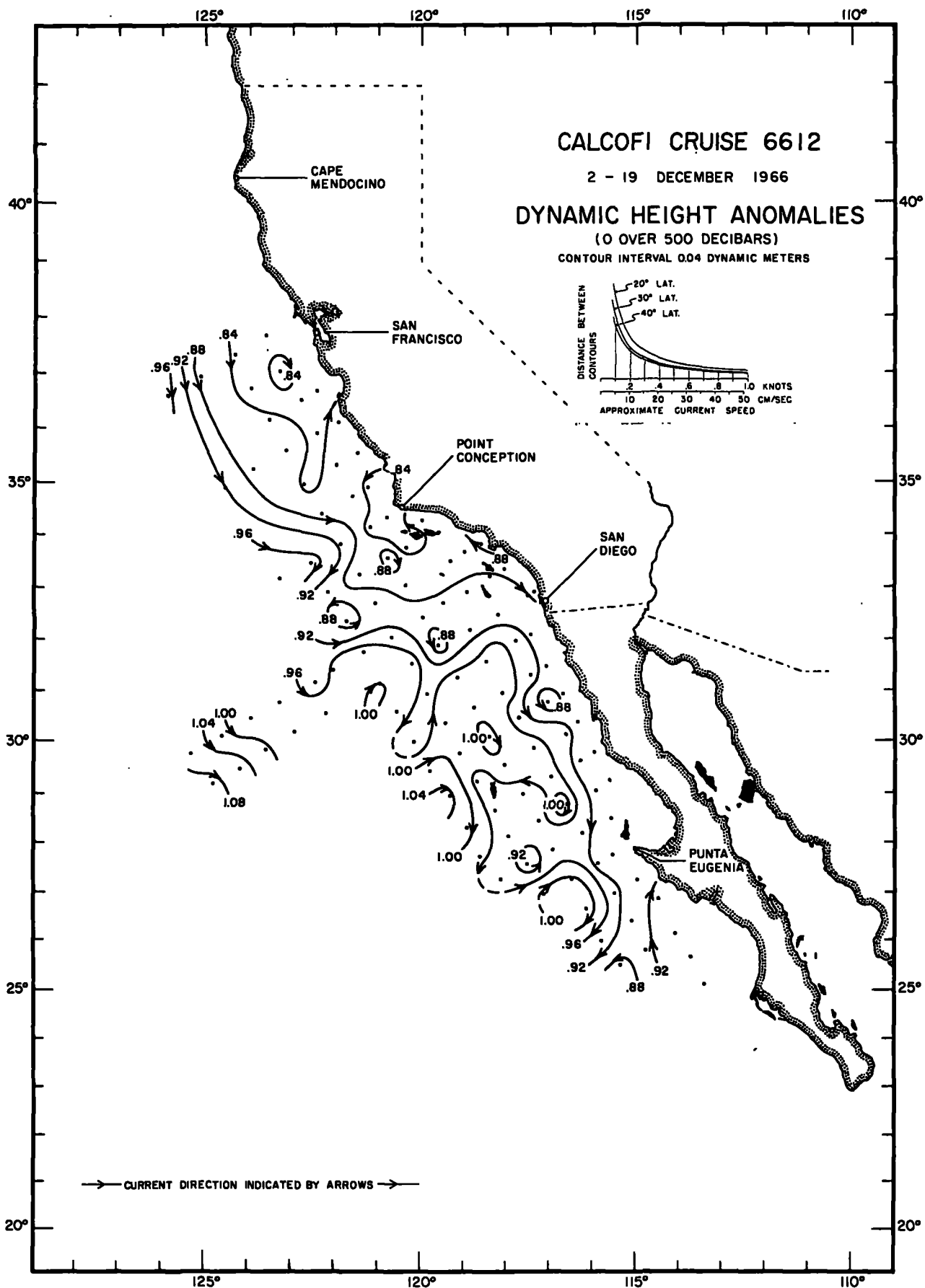


FIGURE 2

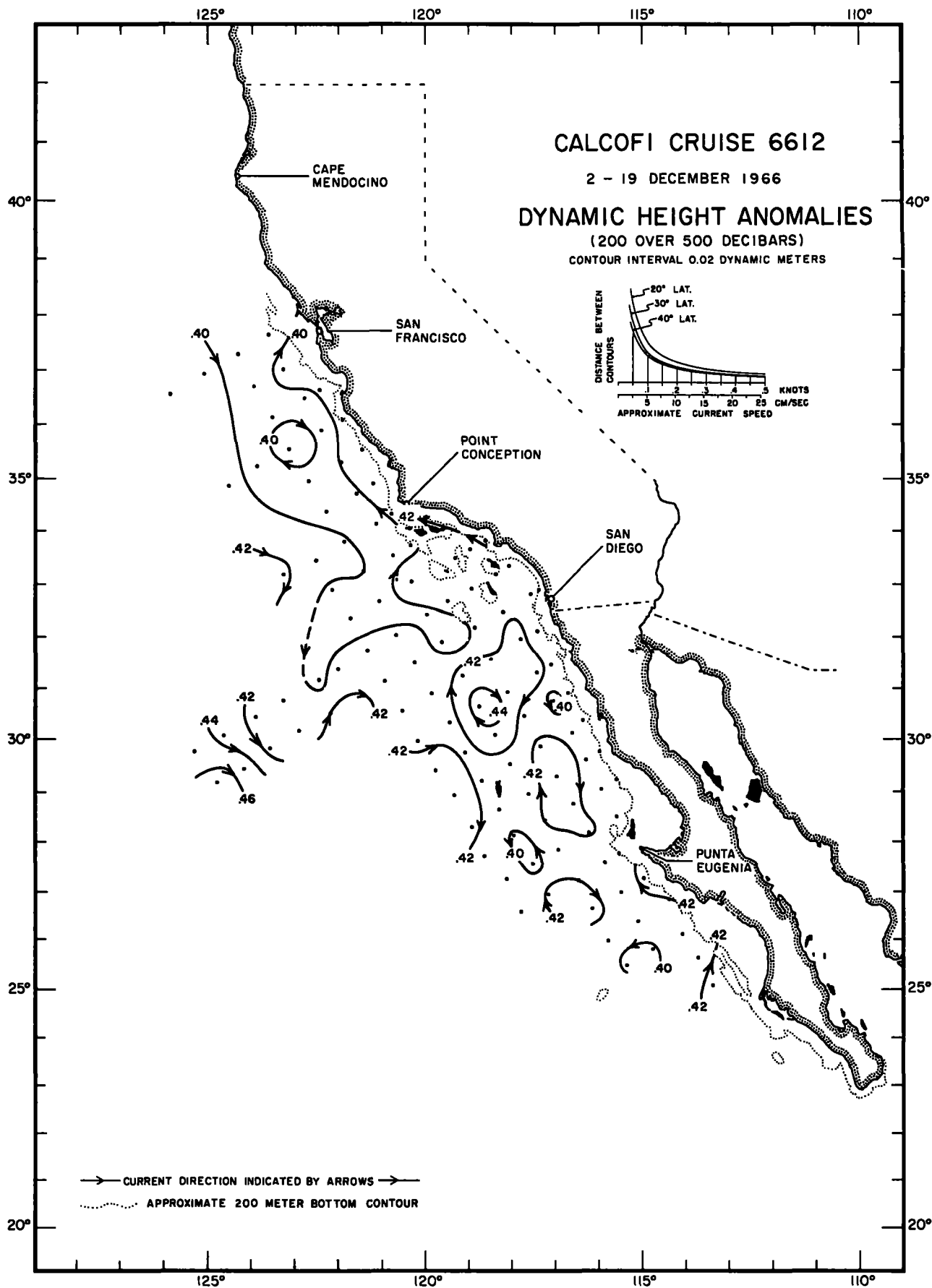


FIGURE 3

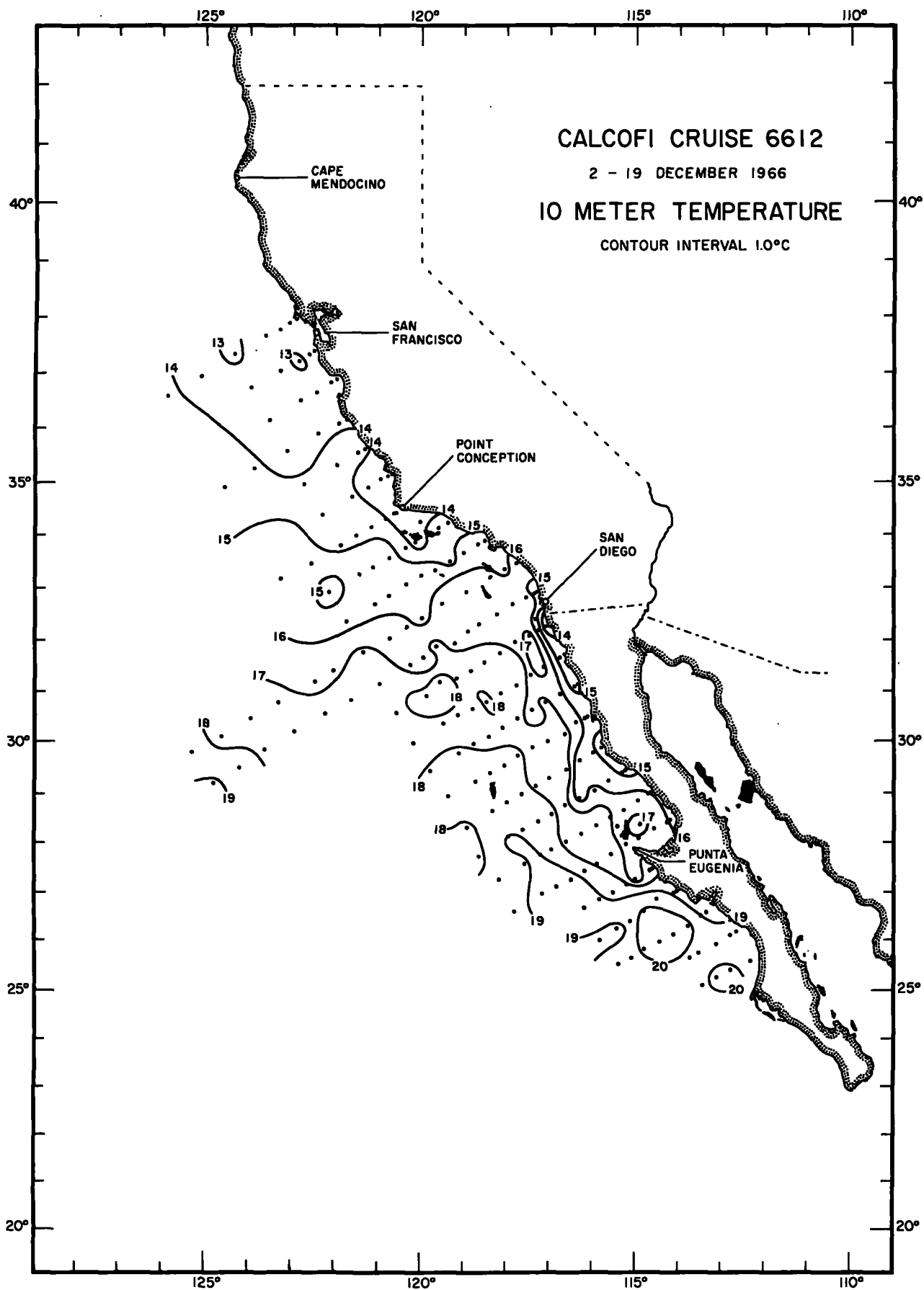


FIGURE 4

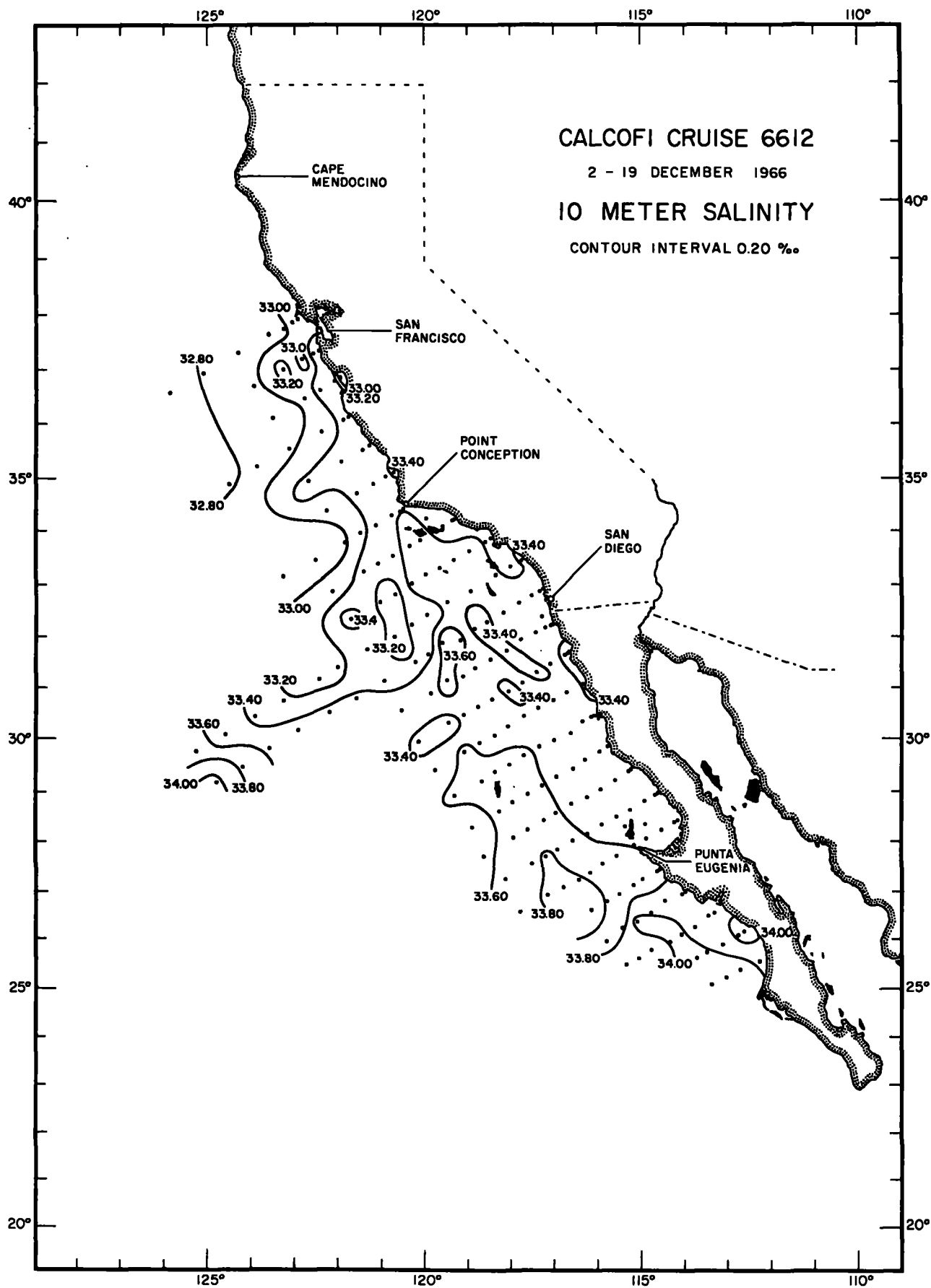


FIGURE 5

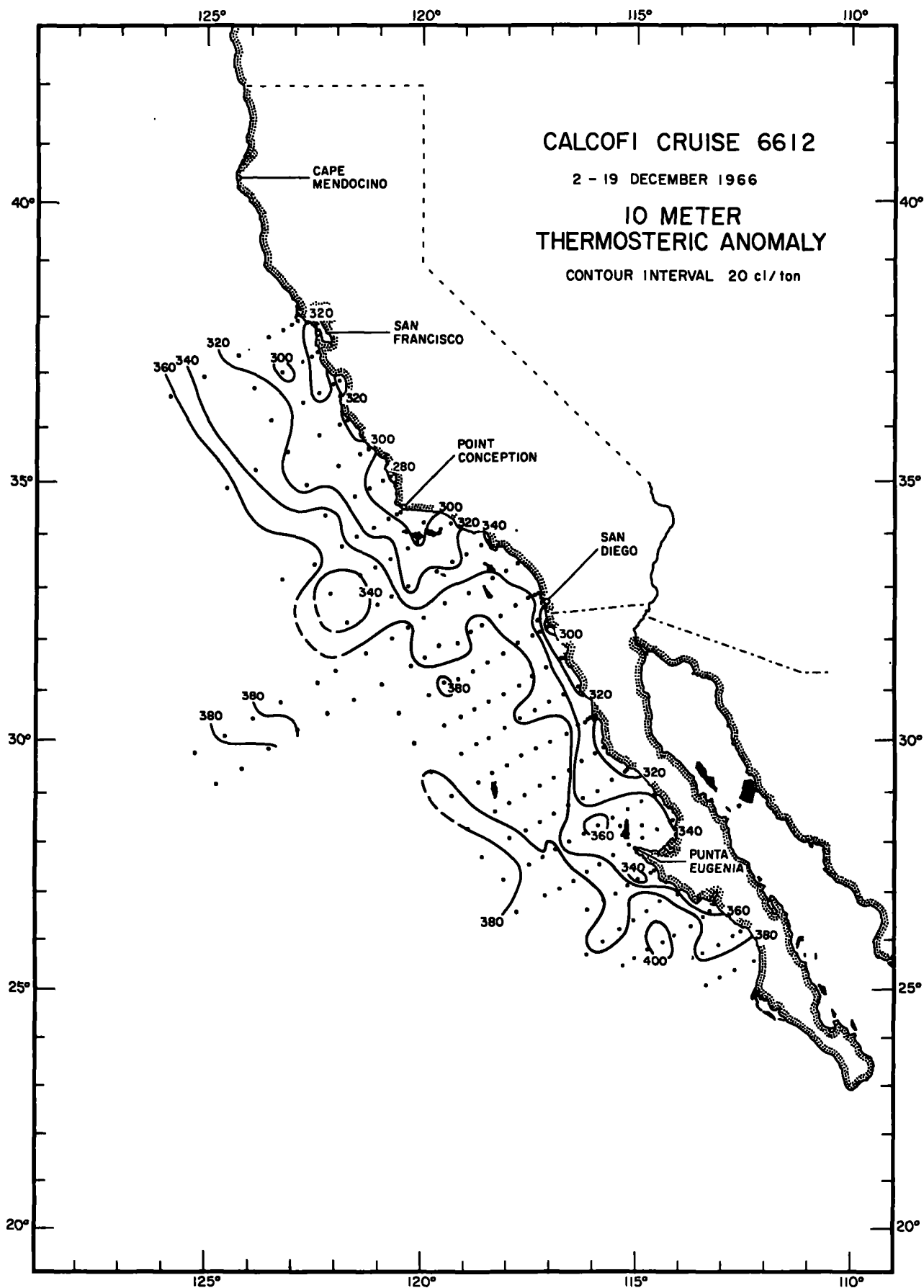


FIGURE 6

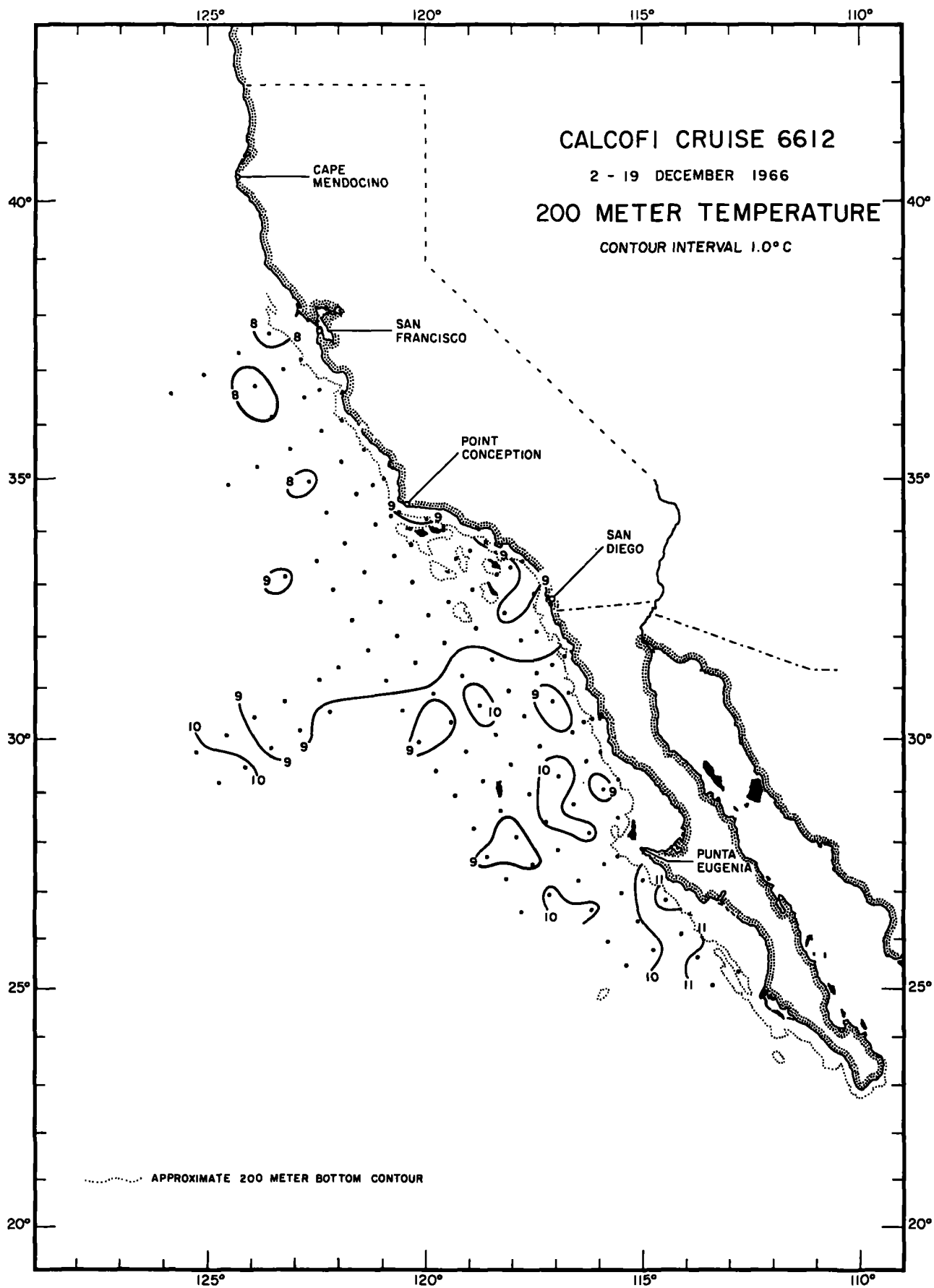


FIGURE 7

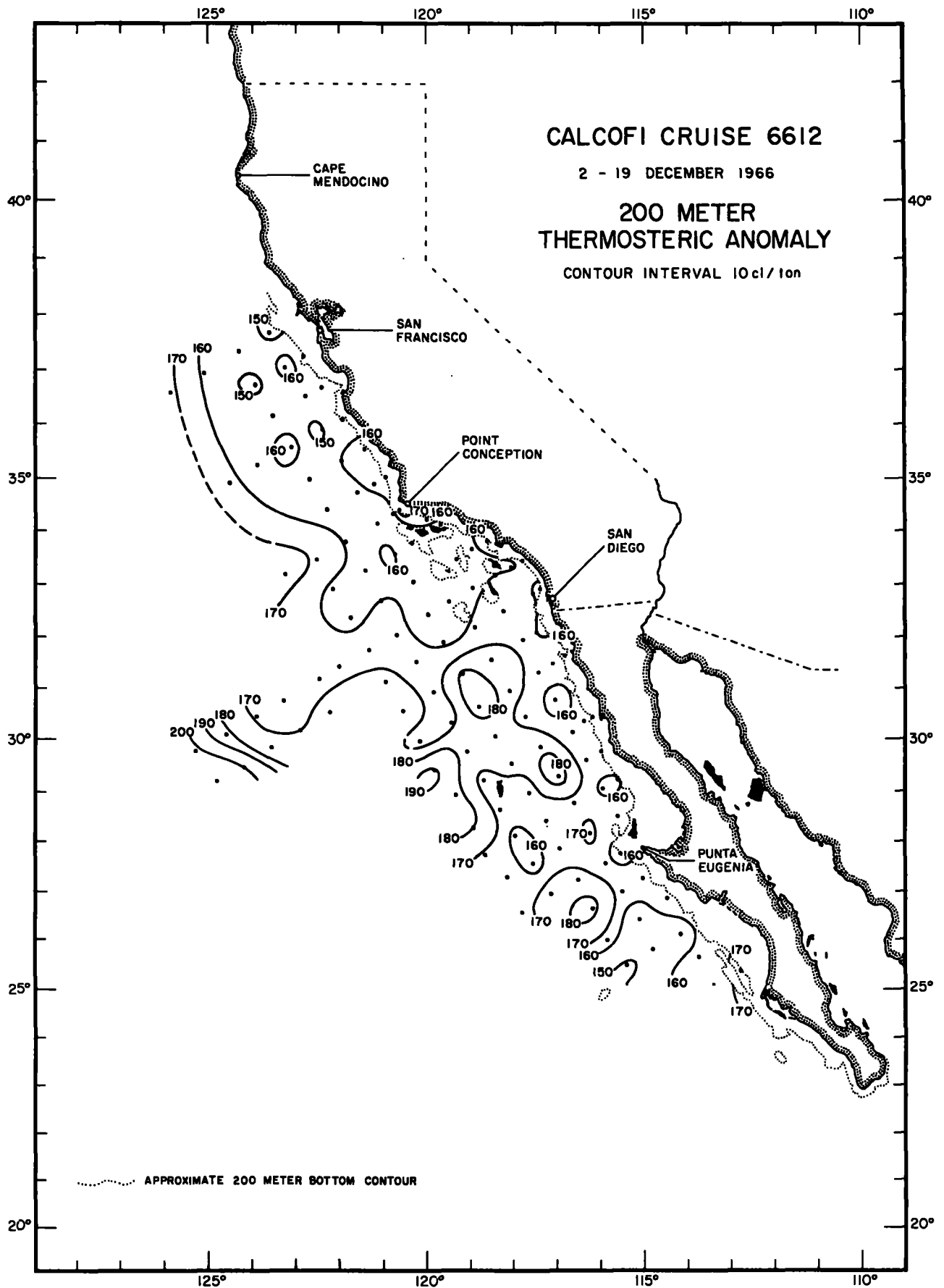


FIGURE 9

PERSONNEL
Cruise 6612

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)
Bryan, Walter R., Senior Marine Technician
Graham, Jerry B., Electronics Technician
May, Michel L., Marine Technician
Michel, Fred A., Jr., Marine Technician
Palmer, Don H., Marine Technician
Pine, James S., Senior Marine Technician
Reeder, David G., Biological Technician, Bureau of Commercial Fisheries
Shields, Kenneth W., Marine Technician
Webre, Rodney R., Marine Technician

RV David Starr Jordan

Hester, Arthur W., Senior Marine Technician (in charge)
Andersen, Ronald K., Marine Technician
Anderson, George C., Marine Technician
Conway, Carol B., Senior Engineering Aid
Hemingway, George T., Marine Technician
Irani, Rustam H., Marine Technician
*Kalin, George, Physical Science Technician (Physics), Bureau of Commercial Fisheries
Kellogg, Durrant, Marine Technician
Mauck, William W., Marine Technician
Metoyer, Jack, Biological Technician (Fisheries), Bureau of Commercial Fisheries
*Schumacher, Norman, Oceanographer, Bureau of Commercial Fisheries

*Lines 90 and 93 only.

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
60.52								CALCOFI CRUISE 6612								60.52	
DAVID STARR JORDAN, DECEMBER 16 1966, 1915 GMT, 37 54N 123 01.5W, SOUNDING 42 FM, WIND 070 FORCE 2, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 00.																	
0	13.05	33.122	6.08	-	-	-	301.4	0	13.05	33.122	6.08	24.95	301.4	0			
10	13.01	33.120	6.13	-	-	-	300.8	10	13.01	33.120	6.13	24.96	300.8	.030			
20	13.00	33.127	6.12	-	-	-	300.1	20	13.00	33.127	6.12	24.96	300.1	.060			
30	13.04	33.198	5.91	-	-	-	295.6	30	13.04	33.198	5.91	25.01	295.6	.090			
50	12.16	33.420	4.99	-	-	-	263.1	50	12.16	33.420	4.99	25.35	263.1	.146			
60.60																	
60.60								CALCOFI CRUISE 6612								60.60	
DAVID STARR JORDAN, DECEMBER 16 1966, 2331 GMT, 37 40N 123 37W, SOUNDING 1700 FM, WIND 020 FORCE 3, WEATHER CLOUDY, SEA HIGH, WIRE ANGLE 03.																	
0	13.26	32.993	6.26	-	-	-	314.9	0	13.26	32.993	6.26	24.81	314.9	0			
10	13.21	32.991	6.26	-	-	-	314.1	10	13.21	32.991	6.26	24.82	314.1	.031			
20	12.84K	33.03 G	-	-	-	-	304.2	20	12.84	33.030	6.25	24.92	304.2	.062			
30	12.74	33.040	6.24	-	-	-	301.6	30	12.74	33.040	6.24	24.95	301.6	.093			
40	12.70	33.088	6.04	-	-	-	297.4	50	10.70	33.170	5.56	25.43	256.2	.149			
50	10.70K	33.17 G	-	-	-	-	256.2	75	9.75	33.490	4.09	25.84	217.1	.208			
55	10.14	33.214	5.26	-	-	-	243.8	100	9.12	33.716	3.40	26.12	190.6	.260			
69	9.83	33.464	4.36	-	-	-	220.3	125	8.88	33.856	2.94	26.26	176.6	.306			
75	9.75K	33.49 G	-	-	-	-	217.1	150	8.56	33.967	2.74	26.40	163.7	.349			
95	9.22	33.687	3.48	-	-	-	194.3	200	7.78	34.019	2.48	26.56	148.6	.429			
115	8.90	33.789	3.19	-	-	-	181.9	250	7.33	34.060	2.01	26.65	139.4	.503			
134	8.86	33.912	2.75	-	-	-	172.2	300	6.69	34.061	1.72	26.74	131.1	.572			
154	8.47	33.975	2.74	-	-	-	161.7	400	5.87	34.113	1.06	26.89	117.1	.701			
184	7.96	34.004	2.67	-	-	-	152.3	500	5.25	34.176	.58	27.02	105.2	.818			
217	7.62	34.035	2.25	-	-	-	145.3	600	5.03	34.284	.35	27.13	94.7	.924			
246	7.38	34.060	2.03	-	-	-	140.2										
297	6.72	34.059	1.74	-	-	-	131.6										
349	6.32	34.096	1.36	-	-	-	123.8										
433	5.60	34.124	.90	-	-	-	113.1										
518	5.18	34.193	.52	-	-	-	103.2										
603	5.03	34.288	.35	-	-	-	94.4										
60.70																	
60.70								CALCOFI CRUISE 6612								60.70	
DAVID STARR JORDAN, DECEMBER 17 1966, 0415 GMT, 37 19N 124 17.5W, SOUNDING 2200 FM, WIND 310 FORCE 1, WEATHER MISSING, SEA MISSING, WIRE ANGLE 06.																	
0	12.91	32.962	6.39	-	-	-	310.5	0	12.91	32.962	6.39	24.85	310.5	0			
10	12.89	32.963	6.37	-	-	-	310.1	10	12.89	32.963	6.37	24.86	310.1	.031			
30	12.86	32.969	6.34	-	-	-	309.1	20	12.87	32.966	6.35	24.86	309.6	.062			
40	12.72	33.022	6.10	-	-	-	302.6	30	12.86	32.969	6.34	24.87	309.1	.093			
50	12.01K	33.26 G	-	-	-	-	272.2	50	12.01	33.260	5.44	25.26	272.2	.151			
55	11.80	33.316	5.04	-	-	-	264.3	75	10.39	33.550	3.94	25.77	223.0	.214			
69	10.67	33.538	3.99	-	-	-	228.5	100	9.63	33.660	3.59	25.99	202.6	.267			
75	10.39K	33.55 G	-	-	-	-	223.0	125	9.10	33.880	2.99	26.25	178.2	.315			
93	9.37	33.597	3.75	-	-	-	203.3	150	8.98	33.946	2.72	26.32	171.5	.360			
100	9.63K	33.66 G	-	-	-	-	202.6	200	8.37	34.031	2.47	26.48	156.0	.443			
113	9.34	33.754	3.27	-	-	-	191.2	250	7.53	34.066	1.98	26.63	141.7	.520			
125	9.10K	33.88 G	-	-	-	-	178.2	300	6.79	34.069	1.67	26.73	131.8	.590			
133	9.18	33.905	2.84	-	-	-	177.5	400	6.15	34.163	.87	26.89	116.7	.719			
153	8.92	33.952	2.71	-	-	-	170.1	500	5.52	34.215	.54	27.01	105.4	.836			
183	8.63	34.019	2.52	-	-	-	160.8	600	4.90	34.243	.40	27.11	96.3	.943			
217	8.07	34.038	2.43	-	-	-	151.3										
247	7.58	34.066	2.00	-	-	-	142.4										
297	6.82	34.066	1.70	-	-	-	132.3										
351	6.48	34.126	1.17	-	-	-	123.5										
434	5.92	34.183	.73	-	-	-	112.4										
519	5.40	34.222	.50	-	-	-	103.5										
603	4.88	34.244	.40	-	-	-	96.1										
60.80																	
60.80								CALCOFI CRUISE 6612								60.80	
DAVID STARR JORDAN, DECEMBER 17 1966, 0906 GMT, 36 56.5N 125 04W, SOUNDING 2300 FM, WIND CALM, WEATHER MISSING, SEA MISSING, WIRE ANGLE 04.																	
0	13.36	32.805	6.21	-	-	-	330.6	0	13.36	32.805	6.21	24.64	330.6	0			
10	13.34	32.801	6.19	-	-	-	330.5	10	13.34	32.801	6.19	24.64	330.5	.033			
30	13.26	32.828	6.17	-	-	-	327.0	20	13.30	32.811	6.18	24.66	329.1	.066			
40	12.82	32.896	6.10	-	-	-	313.7	30	13.26	32.828	6.17	24.68	327.0	.099			
50	11.46	32.976	5.93	-	-	-	283.4	50	11.46	32.976	5.93	25.14	283.4	.160			
64	10.46	33.022	5.72	-	-	-	263.2	75	10.10	33.280	5.03	25.61	238.2	.226			
75	10.10K	33.28 G	-	-	-	-	238.2	100	9.64	33.555	4.02	25.91	210.6	.282			
79	10.32	33.330	4.75	-	-	-	238.1	125	9.23	33.702	3.54	26.09	193.3	.333			
99	9.66	33.548	4.04	-	-	-	211.4	150	8.92	33.889	2.97	26.28	174.8	.380			
124	9.24	33.694	3.57	-	-	-	194.1	200	8.22	33.975	2.94	26.46	158.2	.465			
144	9.00	33.855	3.04	-	-	-	178.5	250	7.66	34.036	2.37	26.59	145.8	.543			
174	8.60	33.974	2.89	-	-	-	163.7	300	7.18	34.072	2.00	26.68	136.6	.615			
203	8.18	33.976	2.94	-	-	-	157.5	400	5.80	34.060	1.57	26.86	120.2	.749			
232	7.82	34.008	2.67	-	-	-	150.0	500	5.53	34.170	.70	26.98	108.8	.869			
272	7.48	34.066	2.02	-	-	-	141.1										
331	6.80	34.076	1.95	-	-	-	131.3										
400	5.80K	34.06 G	-	-	-	-	120.2										
405	5.77	34.059	1.53	-	-	-	120.0										
479	5.60	34.149	.81	-	-	-	111.2										
558	5.28	34.218	.61	-	-	-	102.4										

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 6612								60.90	
DAVID STARR JORDAN, DECEMBER 17 1966, 1343 GMT, 36 35N 125 51W, SOUNDING 2500 FM, WIND 040 FORCE 1, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 01.																	
0	14.52	32.709	6.01	-	-	-	360.4	0	14.52	32.709	6.01	24.33	360.4	0			
10	14.54	32.707	5.99	-	-	-	360.9	10	14.54	32.707	5.99	24.33	360.9	.036			
30	14.47	32.718	6.02	-	-	-	358.7	20	14.52	32.713	6.01	24.34	360.0	.072			
40	14.43	32.716	5.99	-	-	-	358.0	30	14.47	32.718	6.02	24.35	358.7	.108			
50	14.36	32.733	5.96	-	-	-	355.4	50	14.36	32.733	5.96	24.38	355.4	.180			
64	12.78	32.915	6.11	-	-	-	311.6	75	11.65	32.943	6.15	25.08	289.1	.261			
79	11.28	32.948	6.15	-	-	-	282.4	100	10.02	32.889	6.02	25.32	265.8	.331			
99	10.06	32.885	6.04	-	-	-	266.8	125	9.30	33.115	5.41	25.62	238.0	.394			
124	9.31	33.101	5.44	-	-	-	239.1	150	9.03	33.442	4.67	25.92	209.6	.451			
144	9.14	33.376	4.88	-	-	-	216.2	200	8.42	33.834	3.45	26.32	171.4	.547			
174	8.58	33.657	3.91	-	-	-	187.0	250	7.68	33.964	3.47	26.53	151.4	.630			
203	8.40	33.850	3.43	-	-	-	170.0	300	7.09	33.999	2.72	26.64	140.9	.705			
233	7.86	33.933	3.69	-	-	-	156.2	400	5.98	34.052	1.54	26.83	123.0	.842			
273	7.47	33.992	3.04	-	-	-	146.4	500	4.93	34.079	1.20	26.98	108.9	.963			
333	6.62	34.009	2.38	-	-	-	134.0										
409	5.90	34.057	1.45	-	-	-	121.6										
481	5.06	34.063	1.30	-	-	-	111.6										
560	4.76	34.172	.69	-	-	-	100.2										

63.52				CALCOFI CRUISE 6612												63.52			
DAVID STARR JORDAN, DECEMBER 16 1966, 1229 GMT, 37 19N 122 36W, SOUNDING 45 FM, WIND 080 FORCE 2, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 04.																			
1	13.42	33.313	5.91	-	-	-	294.4	0	13.42	33.313	5.91	25.02	294.4	0					
10	13.41	33.316	5.90	-	-	-	294.0	10	13.41	33.316	5.90	25.03	294.0	.029					
19	13.42	33.315	5.91	-	-	-	294.3	20	13.41	33.318	5.88	25.03	293.9	.059					
30	13.27	33.369	5.46	-	-	-	287.4	30	13.27	33.369	5.46	25.10	287.4	.088					
50	11.80	33.521	4.28	-	-	-	249.2	50	11.80	33.521	4.28	25.50	249.2	.142					
74	11.04	33.586	3.66	-	-	-	231.2	75	11.03	33.588	3.65	25.69	230.9	.202					

63.55							CALCOFI CRUISE 6612							63.55		
DAVID STARR JORDAN, DECEMBER 16 1966, 1042 GMT, 37 13N 122 50W, SOUNDING 160 FM, WIND 010 FORCE 4, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 07.																
0	12.95	32.997	6.10	-	-	-	308.7	0	12.95	32.997	6.10	24.87	308.7	0		
10	12.91	32.996	6.13	-	-	-	308.0	10	12.91	32.996	6.13	24.88	308.0	.031		
30	12.92	32.995	6.12	-	-	-	308.3	20	12.91	32.995	6.11	24.88	308.1	.062		
45	12.91	32.996	6.33	-	-	-	308.0	30	12.92	32.995	6.12	24.88	308.3	.093		
50	12.88K	33.00 G	-	-	-	-	307.2	50	12.88	33.000	6.24	24.89	307.2	.194		
55	12.74	33.004	6.09	-	-	-	304.3	75	10.15	33.220	5.21	25.56	243.4	.223		
69	10.56	33.151	5.50	-	-	-	255.3	100	9.73	33.583	3.85	25.91	209.8	.281		
84	9.86	33.335	4.74	-	-	-	230.3	125	9.41	33.821	3.02	26.15	187.3	.321		
103	9.70	33.628	3.70	-	-	-	206.1	150	9.35	33.877	2.86	26.20	182.3	.378		
128	9.38	33.836	2.97	-	-	-	185.7	200	8.60	34.047	2.33	26.46	158.2	.464		
147	9.39	33.866	2.90	-	-	-	183.7	250	8.10	34.095	1.67	26.57	147.6	.543		
181	8.84	34.002	2.43	-	-	-	165.2									
210	8.48	34.065	2.25	-	-	-	155.2									
249	8.11	34.094	1.69	-	-	-	147.7									

63.60							CALCOFI CRUISE 6612							63.60						
DAVID STARR JORDAN, DECEMBER 15 1966, 1144 GMT, 37 01.5N 123 16W, SOUNDING 1450 FM, WIND 340 FORCE 4, WEATHER PARTLY CLOUDY, SEA MISSING, WIRE ANGLE 17.																				
0	13.47	33.263	6.12	-	-	-	299.1	0	13.47	33.263	6.12	24.97	299.1	0						
10	13.46	33.261	6.14	-	-	-	299.0	10	13.46	33.261	6.14	24.98	299.0	.030						
20	13.47K	33.26 G	-	-	-	-	299.3	20	13.47	33.260	6.12	24.97	299.3	.060						
29	13.48	33.269	6.09	-	-	-	298.8	30	13.47	33.280	6.04	24.99	297.8	.090						
38	13.18	33.385	5.51	-	-	-	284.5	50	11.77	33.494	4.54	25.48	250.6	.145						
53	11.39	33.517	4.31	-	-	-	242.3	75	10.50	33.672	3.53	25.85	215.7	.203						
67	10.70	33.623	3.77	-	-	-	222.7	100	10.17	33.785	3.05	26.00	202.0	.256						
90	10.29	33.746	3.20	-	-	-	206.8	125	9.88	33.869	2.86	26.11	191.2	.306						
109	10.07	33.815	2.95	-	-	-	198.2	150	9.45	33.934	2.57	26.23	179.5	.353						
128	9.84	33.878	2.84	-	-	-	189.8	200	8.91	34.041	2.30	26.40	163.3	.440						
145	9.51	33.922	2.61	-	-	-	181.4	250	8.26	34.121	1.85	26.57	147.9	.520						
174	9.22	33.990	2.44	-	-	-	171.8	300	7.82	34.153	1.61	26.66	139.2	.594						
205	8.85	34.051	2.26	-	-	-	161.7	400	6.72	34.182	1.05	26.83	122.4	.730						
232	8.53	34.106	1.95	-	-	-	152.9	500	5.78	34.212	.68	26.98	108.6	.852						
278	7.90	34.134	1.74	-	-	-	141.8													
331	7.71	34.177	1.42	-	-	-	135.9													
408	6.59	34.183	1.01	-	-	-	120.7													
488	5.85	34.207	.71A	-	-	-	109.8													
570	5.56	34.248	.53A	-	-	-	103.4													

A) OXYGEN SAMPLES AT 488 AND 570 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO BE IN THE CORRECT ORDER.

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D* ²	Z	T	S	OXY	SIG* ²	D* ²	CC			
63.70								CALCOFI CRUISE 6612								63.70	
DAVID STARR JORDAN, DECEMBER 15 1966, 0649 GMT, 36 42.5N 123 55W, SOUNDING 2100 FM, WIND 350 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 13.																	
0	13.56	32.829	6.18	-	-	-	332.7	0	13.56	32.829	6.18	24.62	332.7	0			
10	13.56	32.829	6.17	-	-	-	332.7	10	13.56	32.829	6.17	24.62	332.7	.033			
29	12.40	33.013	6.07	-	-	-	297.4	20	13.24	32.921	6.13	24.76	319.8	.066			
39	10.53	33.046	5.68	-	-	-	262.5	30	12.21	33.016	6.04	25.03	293.6	.057			
53	9.96	33.168	5.22	-	-	-	244.3	50	10.08	33.137	5.31	25.51	248.4	.151			
67	9.35	33.313	4.80	-	-	-	224.0	75	9.25	33.461	4.29	25.89	211.6	.205			
92	9.16	33.739	3.37	-	-	-	189.5	100	8.98	33.755	3.37	26.17	185.6	.259			
111	8.72	33.781	3.46	-	-	-	179.8	125	8.50	33.835	3.29	26.31	172.6	.304			
129	8.46	33.854	3.20	-	-	-	170.6	150	8.49	33.974	2.56	26.42	162.1	.347			
149	8.50	33.974	2.55	-	-	-	162.3	200	7.64	33.985	2.92	26.55	149.3	.426			
177	8.04	33.975	2.95	-	-	-	155.6	250	6.90	34.010	2.38	26.67	137.5	.459			
211	7.46	33.992	2.83	-	-	-	146.3	300	6.47	34.036	1.86	26.75	130.2	.568			
239	7.04	34.007	2.47	-	-	-	139.6	400	5.80	34.137	.95	26.92	114.5	.695			
289	6.52	34.018	2.03	-	-	-	132.1	500	5.16	34.206	.54	27.05	101.9	.809			
341	6.32	34.110	1.22	-	-	-	122.8	600	4.81	34.274	.32	27.14	93.0	.912			
426	5.56	34.150	.84	-	-	-	110.7										
510	5.11	34.213	.51	-	-	-	100.9										
594	4.82	34.270	.33	-	-	-	93.5										
67.50								CALCOFI CRUISE 6612								67.50	
DAVID STARR JORDAN, DECEMBER 14 1966, 1413 GMT, 36 49N 122 05W, SOUNDING 55 FM, WIND 020 FORCE 2, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 03.																	
0	13.84	33.336	5.76	-	-	-	300.9	0	13.84	33.336	5.76	24.96	300.9	0			
10	13.83	33.334	5.75	-	-	-	300.8	10	13.83	33.334	5.75	24.96	300.8	.030			
25	13.85	33.333	5.79	-	-	-	301.3	20	13.84	33.333	5.79	24.95	301.2	.060			
35	13.84	33.334	5.66	-	-	-	301.0	30	13.85	33.333	5.72	24.95	301.2	.090			
45	13.84	33.337	5.78	-	-	-	300.8	50	13.77	33.346	5.75	24.98	298.7	.151			
61	13.52	33.374	5.42	-	-	-	291.9	75	11.86	33.501	4.43	25.47	251.7	.220			
74	11.96	33.491	4.50	-	-	-	254.2	100	10.10	33.772	2.92	26.00	201.8	.277			
99	10.14	33.760	2.97	-	-	-	203.4										
67.55								CALCOFI CRUISE 6612								67.55	
DAVID STARR JORDAN, DECEMBER 14 1966, 1708 GMT, 36 39N 122 26W, SOUNDING 1200 FM, WIND 330 FORCE 2, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 02.																	
0	13.42	33.241	6.08	-	-	-	299.7	0	13.42	33.241	6.08	24.97	299.7	0			
10	13.27	33.238	6.06	-	-	-	297.1	10	13.27	33.238	6.06	25.00	297.1	.030			
30	13.28	33.236	6.05	-	-	-	297.4	20	13.26	33.233	6.05	24.99	297.3	.060			
40	13.20	33.259	5.88	-	-	-	294.2	30	13.28	33.236	6.05	24.99	297.4	.089			
50	11.71K	33.44 G	-	-	-	-	253.6	50	11.71	33.440	4.92	25.45	253.6	.145			
55	11.20	33.470	4.40	-	-	-	242.5	75	10.07	33.580	3.70	25.85	215.6	.204			
69	10.23	33.570	3.86	-	-	-	218.9	100	9.43	33.750	3.28	26.09	192.9	.255			
75	10.07K	33.58 G	-	-	-	-	215.6	125	8.91	33.860	3.08	26.26	176.7	.302			
94	9.62	33.703	3.36	-	-	-	199.3	150	8.78	34.001	2.49	26.39	164.3	.345			
100	9.43K	33.75 G	-	-	-	-	192.9	200	8.36	34.071	2.03	26.51	153.0	.426			
114	9.16	33.817	3.13	-	-	-	183.8	250	7.78	34.088	1.92	26.61	143.6	.502			
134	8.75	33.899	3.00	-	-	-	171.5	300	7.27	34.128	1.45	26.72	133.6	.574			
154	8.80	34.025	2.36	-	-	-	162.9	400	6.77	34.219	.79	26.86	120.3	.706			
184	8.52	34.062	2.10	-	-	-	156.0	500	6.03	34.237	.51	26.97	109.7	.827			
218	8.17	34.077	1.99	-	-	-	149.8	600	5.21	34.291	.34	27.11	96.1	.937			
247	7.82	34.086	1.94	-	-	-	144.2										
297	7.28	34.124	1.48	-	-	-	134.0										
350	7.15	34.190	1.06	-	-	-	127.4										
434	6.46	34.228	.66	-	-	-	115.7										
520	5.88	34.244	.47	-	-	-	107.4										
604	5.17	34.294	.33	-	-	-	95.5										

INPUT								CUTPUT AT STANDARD LEVELS CF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	CC			
67.60								CALCOFI CRUISE 6612								67.60	
DAVID STARR JORDAN, DECEMBER 14 1966, 2010 GMT, 36 31N 122 46.5W, SOUNDING 1650 FM, WIND 340 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 10.																	
0	13.58	33.058	6.21	-	-	-	316.2	0	13.58	33.058	6.21	24.79	316.2	C			
10	13.56	33.079	6.21	-	-	-	314.3	10	13.56	33.079	6.21	24.81	314.3	.032			
20	13.31K	33.09 G	-	-	-	-	308.7	20	13.31	33.090	6.13	24.87	308.7	.063			
30	12.38	33.125	5.88	-	-	-	288.8	30	12.38	33.125	5.88	25.08	288.8	.093			
39	11.84	33.259A	5.45	-	-	-	269.2	50	11.40	33.380	4.99	25.46	252.6	.147			
50	11.40K	33.38 G	-	-	-	-	252.6	75	10.22	33.540	4.09	25.80	220.9	.207			
54	10.94	33.359A	4.82	-	-	-	246.2	100	9.52	33.710	3.65	26.05	197.2	.259			
68	10.42	33.531	4.10	-	-	-	224.9	125	9.28	33.922	2.81	26.25	177.9	.307			
75	10.22K	33.540G	-	-	-	-	220.9	150	8.88	33.971	2.81	26.35	168.0	.351			
92	9.54	33.604	4.08	-	-	-	205.4	200	8.38	34.066	2.32	26.50	153.7	.423			
100	9.52K	33.71 G	-	-	-	-	197.2	250	7.89	34.100	1.89	26.61	144.1	.509			
112	9.42	33.851	2.98	-	-	-	185.2	300	7.52	34.142	1.45	26.69	136.0	.581			
132	9.19	33.939	2.75	-	-	-	175.2	400	6.37	34.174	.96	26.87	118.6	.714			
152	8.84	33.973	2.82	-	-	-	167.4	500	5.55	34.224	.62	27.02	105.1	.831			
181	8.54	34.029	2.60	-	-	-	158.8	600	5.06	34.284	.65	27.12	95.0	.938			
216	8.24	34.089	2.10	-	-	-	150.0										
245	7.92	34.096	1.94	-	-	-	144.9										
294	7.59	34.139	1.48	-	-	-	137.1										
349	6.92	34.156	1.22	-	-	-	126.9										
433	6.06	34.188	.81	-	-	-	113.8										
516	5.45	34.233	.60	-	-	-	103.2										
600	5.06	34.284	.65	-	-	-	95.0										

67.70							CALCOFI CRUISE 6612							67.70													
DAVID STARR JORDAN, DECEMBER 15 1966, 0145 GMT, 36 08N 123 29.5W, SOUNDING 2000+ FM, WIND 340 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 11.																											
0	13.50	32.829	6.14	-	-	-	331.5	0	13.50	32.829	6.14	24.63	331.5	C													
10	13.50	32.823	6.18	-	-	-	331.9	10	13.50	32.823	6.18	24.63	331.9	.033													
20	13.49K	32.82 G	6.18G	-	-	-	332.0	20	13.49	32.820	6.18	24.63	332.0	.066													
30	13.08	32.940	6.18	-	-	-	315.4	30	13.08	32.940	6.18	24.80	315.4	.059													
40	12.80	33.076	6.06	-	-	-	300.1	50	11.85	33.207	5.64	25.25	273.3	.158													
54	11.40	33.256	5.41	-	-	-	261.7	75	9.73	33.453	4.28	25.81	219.5	.220													
69	10.02	33.415	4.44	-	-	-	227.0	100	9.21	33.636	3.74	26.04	198.0	.272													
93	9.30	33.563	3.99	-	-	-	204.7	125	8.94	33.809	3.11	26.22	180.9	.320													
112	9.10	33.752	3.32	-	-	-	187.7	150	8.51	33.862	3.15	26.32	170.7	.365													
133	8.82	33.828	3.06	-	-	-	177.8	200	8.00	33.990	2.95	26.50	153.8	.448													
153	8.46	33.868	3.17	-	-	-	169.6	250	7.23	33.993	2.76	26.62	143.1	.524													
182	8.33	33.992	2.73	-	-	-	158.5	300	6.76	34.018	2.12	26.70	135.1	.595													
216	7.66	33.973	3.17	-	-	-	150.4	400	5.81	34.075	1.28	26.87	119.3	.727													
246	7.27	33.991	2.82	-	-	-	143.8	500	5.14	34.171	.65	27.02	104.4	.844													
293	6.82	34.015	2.19	-	-	-	136.1	600	4.76	34.256	.36	27.13	93.9	.949													
350	6.30	34.045	1.70	-	-	-	127.4																				
431	5.54	34.098	1.05	-	-	-	114.4																				
517	5.06	34.187	.58	-	-	-	102.3																				
600	4.76	34.256	.36	-	-	-	93.9																				

70.53				CALCOFI CRUISE 6612										70.53			
DAVID STARR JORDAN, DECEMBER 14 1966, 0620 GMT, 36 06.5N 121 54W, SOUNDING 600 FM, WIND 310 FORCE 3, WEATHER MISSING, SEA MISSING, WIRE ANGLE 20.																	
1	13.97	33.280	5.90	-	-	-	307.5	0	13.97	33.280	5.90	24.89	307.5	0			
10	13.97	33.276	5.91	-	-	-	307.8	10	13.97	33.276	5.91	24.88	307.8	.031			
29	13.84	33.295	5.75	-	-	-	303.9	20	13.92	33.282	5.85	24.90	306.4	.062			
30	13.83K	33.30 G	-	-	-	-	303.3	30	13.83	33.300	5.70	24.93	303.3	.092			
38	13.06	33.366	5.25	-	-	-	283.7	50	11.98	33.400	4.79	25.37	261.3	.149			
50	11.98K	33.40 G	-	-	-	-	261.3	75	10.87	33.540	4.04	25.68	231.7	.211			
52	11.66	33.414	4.73	-	-	-	254.6	100	10.06	33.710	3.54	25.96	205.7	.266			
64	11.08	33.487	4.36	-	-	-	239.2	125	9.81	33.770	3.18	26.04	197.3	.317			
75	10.87K	33.54 G	-	-	-	-	231.7	150	9.44	33.853	3.08	26.17	185.3	.365			
87	10.20	33.652	3.75	-	-	-	212.3	200	8.59	34.056	2.30	26.46	157.5	.453			
104	10.02	33.720	3.48	-	-	-	204.4	250	7.95	34.084	2.00	26.58	146.2	.531			
122	9.87	33.757	3.17	-	-	-	199.3	300	7.47	34.131	1.61	26.69	136.1	.603			
125	9.81K	33.77 G	-	-	-	-	197.3	400	6.84	34.212	.84	26.84	121.6	.738			
140	9.58	33.818	3.23	-	-	-	190.2	500	5.94	34.231	.55	26.97	109.1	.859			
167	9.18	33.918	2.74	-	-	-	176.6										
197	8.63	34.051	2.33	-	-	-	158.4										
224	8.33	34.075	2.09	-	-	-	152.3										
269	7.69	34.092	1.93	-	-	-	142.0										
319	7.38	34.157	1.40	-	-	-	132.9										
398	6.86	34.212	.85	-	-	-	122.0										
479	6.08	34.221	.60	-	-	-	111.5										
562	5.66	34.276	.44	-	-	-	102.4										

A) THE TEMPERATURE INVERSION INDICATED BY THE BATHYTHERMOGRAPH OBSERVATION ACCOUNTS FOR THE SALINITY VALUE AT 50 METERS.

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	P*O	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	CC			
70.60								CALCCFI CRUISE 6612								70.60	
DAVID STARR JORDAN, DECEMBER 14 1966, 0229 GMT, 35 53N 122 22.5W, SOUNDING 1700 FM, WIND DIRECTION MISSING FORCE 1, WEATHER FOG, SEA MISSING, WIRE ANGLE 08.																	
1	13.76	33.144	6.10	-	-	-	313.4	0	13.76	33.144	6.10	24.82	313.4	0			
11	13.57	33.124	6.09	-	-	-	311.2	10	13.58	33.124	6.09	24.85	311.4	.031			
30	13.64	33.194	6.05	-	-	-	307.4	20	13.62	33.140	6.07	24.85	310.9	.062			
41	13.32	33.293	5.64	-	-	-	294.0	30	13.64	33.194	6.05	24.89	307.4	.053			
50	11.42	33.370	4.83	-	-	-	253.6	50	11.42	33.370	4.83	25.45	253.6	.150			
63	10.13	33.352	4.66	-	-	-	233.4	75	9.98	33.446	4.33	25.76	224.0	.210			
78	9.94	33.481	4.22	-	-	-	220.8	100	9.65	33.766	3.16	26.07	195.0	.263			
98	9.67	33.749	3.20	-	-	-	196.7	125	9.25	33.889	2.99	26.23	179.8	.310			
124	9.28	33.887	2.99	-	-	-	180.4	150	8.70	33.937	2.76	26.35	168.0	.354			
142	8.80	33.903	2.89	-	-	-	172.0	200	8.24	34.087	2.02	26.54	150.1	.435			
173	8.54	34.045	2.33	-	-	-	157.6	250	7.75	34.111	1.69	26.63	141.5	.510			
202	8.22	34.088	2.00	-	-	-	149.7	300	7.10	34.109	1.51	26.73	132.7	.581			
232	8.05	34.122	1.69	-	-	-	144.8	400	6.43	34.207	.76	26.89	115.8	.711			
271	7.38	34.094	1.72	-	-	-	137.6	500	5.86	34.266	.42	27.01	105.5	.828			
330	6.90	34.140	1.23	-	-	-	127.9										
405	6.40	34.212	.73	-	-	-	116.1										
477	5.98	34.254	.47	-	-	-	107.9										
557	5.58	34.292	.35	-	-	-	100.3										
70.70								CALCCFI CRUISE 6612								70.70	
DAVID STARR JORDAN, DECEMBER 13 1966, 2138 GMT, 35 33N 123 06W, SOUNDING 2000+ FM, WIND 250 FORCE 2, WEATHER FOG, SEA VERY ROUGH, WIRE ANGLE 15.																	
0	13.62	32.981	6.07	-	-	-	322.7	0	13.62	32.981	6.07	24.73	322.7	C			
10	13.46	32.981	6.12	-	-	-	319.6	10	13.46	32.981	6.12	24.76	319.6	.032			
20	13.63K	33.12 G	-	-	-	-	312.6	20	13.63	33.120	6.05	24.83	312.6	.064			
29	13.74	33.228	5.88	-	-	-	306.9	30	13.69	33.231	5.86	24.91	305.6	.055			
38	13.08	33.237	5.63	-	-	-	293.5	50	11.89	33.333	5.05	25.34	264.6	.152			
49	11.98	33.330	5.07	-	-	-	266.5	75	10.72	33.538	3.99	25.71	229.3	.214			
62	11.02	33.355	4.74	-	-	-	247.9	100	10.21	33.734	3.28	25.95	206.4	.269			
76	10.70	33.554	3.93	-	-	-	227.8	125	9.85	33.856	2.78	26.10	191.6	.319			
95	10.30	33.703	3.39	-	-	-	210.2	150	9.52	33.950	2.43	26.23	179.4	.366			
118	9.93	33.827	2.94	-	-	-	195.0	200	8.89	34.047	2.28	26.41	162.6	.454			
137	9.72	33.901	2.53	-	-	-	186.2	250	8.47	34.108	1.92	26.52	151.9	.534			
166	9.26	34.001	2.39	-	-	-	171.6	300	7.76	34.109	1.84	26.63	141.6	.610			
192	8.96	34.041	2.30	-	-	-	164.1	400	6.70	34.163	1.07	26.82	123.6	.748			
220	8.74	34.062	2.20	-	-	-	159.3	500	6.01	34.224	.57	26.96	110.5	.871			
256	8.41	34.116	1.87	-	-	-	150.4										
310	7.80	34.104	1.82	-	-	-	139.9										
381	6.84	34.142	1.24	-	-	-	126.9										
451	6.34	34.204	.73	-	-	-	116.0										
527	5.84	34.227	.55	-	-	-	108.2										
70.80								CALCCFI CRUISE 6612								70.80	
DAVID STARR JORDAN, DECEMBER 13 1966, 1633 GMT, 35 14N 123 52W, SOUNDING 2300 FM, WIND 280 FORCE 1, WEATHER CLCLDY, SEA VERY ROUGH, WIRE ANGLE 05.																	
0	14.22	32.852	6.08	-	-	-	343.9	0	14.22	32.852	6.08	24.50	343.9	C			
10	14.28	32.932	6.06	-	-	-	339.2	10	14.28	32.932	6.06	24.55	339.2	.034			
30	13.84	33.282	5.67	-	-	-	304.8	20	14.08	33.115	5.84	24.74	321.7	.067			
40	13.81	33.316	5.80	-	-	-	301.8	30	13.84	33.282	5.67	24.91	304.8	.059			
50	13.16	33.339	5.51	-	-	-	287.5	50	13.16	33.339	5.51	25.10	287.5	.158			
64	10.95	33.081	5.18	-	-	-	266.9	75	9.89	33.136	5.08	25.54	245.5	.225			
79	9.65	33.194	5.02	-	-	-	237.5	100	9.65	33.609	3.83	25.95	206.7	.282			
99	9.66	33.595	3.88	-	-	-	207.9	125	9.32	33.830	2.94	26.17	185.3	.332			
123	9.34	33.822	2.94	-	-	-	186.1	150	9.05	33.902	2.92	26.27	175.7	.377			
144	9.15	33.882	2.92	-	-	-	178.8	200	8.26	33.996	2.91	26.47	157.2	.462			
173	8.62	33.970	2.93	-	-	-	164.3	250	7.51	34.048	2.08	26.62	142.8	.539			
201	8.25	33.957	2.90	-	-	-	156.9	300	7.04	34.109	1.54	26.73	132.0	.610			
231	7.72	34.025	2.34	-	-	-	147.4	400	6.34	34.187	1.24	26.89	117.2	.740			
271	7.32	34.074	1.84	-	-	-	138.3	500	5.86	34.289	.30	27.03	103.8	.856			
329	6.79	34.141	1.31	-	-	-	126.4										
404	6.32	34.190	1.22	-	-	-	116.8										
477	5.98	34.275	.31	-	-	-	106.3										
556	5.56	34.299	.29	-	-	-	99.5										

INPUT								OUTPUT AT STANCARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	CC			
70.90								CALCOFI CRUISE 6612								7C.9C	
DAVID STARR JORDAN, DECEMBER 13 1966, 1150 GMT, 34 53N 124 30W, SCUNDING 2420 FM, WIND 270 FORCE 3, WEATHER MISSING, SEA MISSING, WIRE ANGLE 06.																	
1	14.98	32.719	5.88	-	-	-	369.0	0	14.98	32.719	5.88	24.24	369.0	0			
10	14.95	32.718	5.91	-	-	-	368.4	10	14.95	32.718	5.91	24.25	368.4	.037			
20	14.66K	32.75 G	-	-	-	-	360.2	20	14.66	32.750	5.93	24.33	360.2	.073			
30	14.48	32.770	6.00	-	-	-	355.1	30	14.48	32.770	6.00	24.39	355.1	.109			
40	13.62	32.861	6.17	-	-	-	331.5	50	12.95	32.919	6.24	24.81	314.5	.176			
56	12.56	32.940	6.25	-	-	-	305.7	75	10.99	32.955	6.15	25.21	276.8	.251			
70	11.36	32.949	6.21	-	-	-	283.7	100	9.84	33.048	5.49	25.48	251.4	.317			
95	9.92	32.985	5.68	-	-	-	257.2	125	9.33	33.439	4.46	25.87	214.4	.376			
115	9.68	33.282	4.87	-	-	-	231.4	150	8.82	33.738	3.72	26.18	184.5	.426			
133	9.05	33.557	4.16	-	-	-	201.4	200	8.66	34.024	2.57	26.43	160.9	.514			
154	8.80	33.773	3.63	-	-	-	181.6	250	8.08	34.076	2.13	26.56	148.6	.554			
184	8.84	33.999	2.62	-	-	-	165.4	300	7.41	34.102	1.71	26.68	137.4	.667			
217	8.42	34.047	2.49	-	-	-	155.7	400	6.48	34.180	.87	26.86	119.6	.801			
247	8.12	34.075	2.16	-	-	-	149.3	500	5.69	34.241	.40	27.01	105.4	.920			
296	7.45	34.098	1.75	-	-	-	138.3	600	5.33	34.313	.24	27.11	95.9	1.027			
350	6.96	34.159	1.20	-	-	-	127.2										
436	6.16	34.190	.70	-	-	-	114.8										
520	5.58	34.256	.34	-	-	-	103.0										
603	5.33	34.315	.24	-	-	-	95.7										

73.53				CALCOFI CRUISE 6612										73.53			
DAVID STARR JORDAN, DECEMBER 12 1966, 1713 GMT, 35 31.5N 121 28.5W, SOUNCING 400 FM, WIND 310 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 05.																	
0	14.14	33.369	5.87	-	-	-	304.4	0	14.14	33.369	5.87	24.92	304.4	0			
10	14.14	33.367	5.87	-	-	-	304.5	10	14.14	33.367	5.87	24.92	304.5	.030			
30	14.14	33.368	5.87	-	-	-	304.5	20	14.16	33.367	5.90	24.91	304.9	.061			
40	14.04	33.370	5.72	-	-	-	302.3	30	14.14	33.368	5.87	24.92	304.5	.052			
50	10.98	33.174	5.28	-	-	-	260.6	50	10.98	33.174	5.28	25.38	260.6	.148			
64	10.16	33.356	4.57	-	-	-	233.6	75	10.12	33.496	4.13	25.78	222.6	.209			
79	10.16	33.541	4.00	-	-	-	219.9	100	9.96	33.677	3.61	25.95	206.6	.263			
99	9.97	33.671	3.63	-	-	-	207.2	125	9.62	33.813	3.19	26.11	191.2	.313			
124	9.64	33.808	3.21	-	-	-	191.8	150	9.22	33.920	2.84	26.26	177.1	.360			
144	9.31	33.897	2.90	-	-	-	180.1	200	8.43	33.982	3.24	26.43	160.7	.446			
173	8.89	33.980	2.81	-	-	-	167.6	250	7.80	34.036	2.63	26.57	147.6	.525			
202	8.40	33.982	3.27	-	-	-	160.2	300	7.30	34.084	1.83	26.68	137.2	.559			
232	7.98	34.008	3.03	-	-	-	152.3	400	6.79	34.207	.80	26.84	121.4	.733			
272	7.60	34.070	2.12	-	-	-	142.4	500	5.95	34.243	.43	26.98	108.3	.854			
331	7.00	34.098	1.62	-	-	-	132.3										
406	6.76	34.216	.74	-	-	-	120.4										
480	6.08	34.233	.47	-	-	-	110.6										
559	5.68	34.286	.39	-	-	-	101.9										

73.60				CALCOFI CRUISE 6612												73.60			
DAVID STARR JORDAN, DECEMBER 12 1966, 2047 GMT, 35 18.5N 121 56W, SOUNDING 1300 FM, WIND 310 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 09.																			
1	14.40	33.309	5.84	-	-	-	314.0	0	14.40	33.309	5.84	24.82	314.0	0					
11	14.39	33.306	5.99	-	-	-	314.0	10	14.39	33.306	5.98	24.82	314.0	.031					
31	14.30	33.320	5.97	-	-	-	311.2	20	14.36	33.316	6.01	24.83	312.6	.063					
40	14.08	33.296	5.84	-	-	-	308.5	30	14.31	33.320	5.98	24.85	311.4	.054					
55	12.66	33.236	5.57	-	-	-	285.7	50	13.23	33.246	5.70	25.01	295.7	.155					
69	10.96	33.358	4.69	-	-	-	246.7	75	10.63	33.390	4.50	25.61	238.8	.222					
75	10.63K	33.39 G	-	-	-	-	238.8	100	9.83	33.522	3.98	25.85	216.0	.279					
95	9.92	33.489	4.11	-	-	-	219.9	125	9.40	33.730	3.50	26.08	194.0	.331					
113	9.64	33.620	3.67	-	-	-	205.8	150	9.21	33.906	2.98	26.25	177.9	.378					
133	9.27	33.801	3.39	-	-	-	186.6	200	8.66	34.031	2.34	26.43	160.5	.465					
154	9.19	33.925	2.88	-	-	-	176.2	250	7.97	34.068	2.33	26.57	147.7	.544					
183	8.81	33.994	3.54U	-	-	-	165.3	300	7.44	34.162	1.26	26.72	133.3	.616					
215	8.52	34.054	2.32	-	-	-	156.6	400	6.58	34.213	.79	26.88	118.3	.747					
244	8.04	34.057	2.44	-	-	-	149.5	500	5.83	34.277	.55	27.03	104.3	.865					
292	7.54	34.155	1.35	-	-	-	135.2	600	5.09	34.273	.34	27.11	96.2	.971					
345	6.92	34.186	.96	-	-	-	124.7												
427	6.44	34.226	.74	-	-	-	115.6												
511	5.74	34.281	.52	-	-	-	103.0												
595	5.12	34.275	.35	-	-	-	96.4												

INPUT								CUTPUT AT STANDARD LEVELS CF DEPTH									
Z	T	S	OXY	PPO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	CC			
73.70								CALCGFI CRUISE 6612								72.70	
DAVID STARR JORDAN, DECEMBER 13 1966, 0200 GMT, 34 58N 122 40W, SOUNDING 2000+ FM, WIND 320 FCRCE 3, WEATHER FCG, SEA VERY ROUGH, WIRE ANGLE 32.																	
1	14.32	33.319	-	-	-	-	311.6	0	14.32	33.319		24.84	311.6	C			
8	14.32	33.301	5.82	-	-	-	313.0	10	14.32	33.299	5.84	24.83	313.0	.C31			
26	14.28	33.303	5.91	-	-	-	312.0	20	14.30	33.298	5.91	24.83	312.7	.063			
34	14.14	33.307	5.87	-	-	-	308.9	30	14.24	33.306	5.90	24.85	310.9	.054			
46	13.32	33.265	5.71	-	-	-	296.0	50	12.73	33.248	5.57	25.11	286.2	.154			
57	11.67	33.240	5.25	-	-	-	267.6	75	10.38	33.467	4.24	25.71	229.0	.218			
77	10.32	33.500	4.14	-	-	-	225.5	100	9.72	33.664	3.61	25.98	203.8	.273			
92	9.99	33.627	3.72	-	-	-	210.8	125	8.98	33.809	3.26	26.21	181.6	.322			
109	9.40	33.701	3.51	-	-	-	196.0	150	8.55	33.936	3.25	26.38	165.6	.366			
124	9.00	33.803	3.26	-	-	-	182.4	200	7.96	34.025	2.64	26.54	150.7	.446			
148	8.57	33.929	3.28	-	-	-	166.6	250	7.61	34.113	1.71	26.66	139.3	.521			
178	8.25	34.001	2.74	-	-	-	156.6	300	7.11	34.135	1.39	26.74	130.9	.551			
200	7.96	34.025	2.64	-	-	-	150.7	400	6.34	34.189	.76	26.89	117.1	.720			
240	7.72	34.106	1.80	-	-	-	141.4	500	5.65	34.252	.33	27.03	104.1	.826			
281	7.24	34.124	1.53	-	-	-	133.5										
348	6.82	34.164	1.06	-	-	-	125.0										
417	6.20	34.198	.67	-	-	-	114.7										
492	5.69	34.246	.36	-	-	-	105.0										

77.51	CALCGFI CRUISE 6612												77.51	
DAVID STARR JORDAN, DECEMBER 12 1966, 0944 GMT, 35 02N 120 56.5W, SOUNDING 145 FM, WIND 340 FORCE 3, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 01.														
0	13.70	33.334	5.77	-	-	-	298.3	0	13.70	33.334	5.77	24.98	298.3	0
10	13.60	33.337	5.75	-	-	-	296.1	10	13.60	33.337	5.75	25.01	296.1	.030
30	13.46	33.383	5.78	-	-	-	290.0	20	13.53	33.359	5.82	25.04	293.1	.059
45	12.39	33.390	5.13	-	-	-	269.5	30	13.46	33.383	5.78	25.07	290.0	.088
55	11.38	33.448	4.50	-	-	-	247.2	50	11.86	33.414	4.81	25.40	258.2	.143
69	10.93	33.584	4.07	-	-	-	229.5	75	10.73	33.626	3.90	25.77	223.0	.204
85	10.43	33.682	3.65	-	-	-	213.9	100	10.14	33.741	3.46	25.97	204.8	.258
105	10.06	33.758	3.42	-	-	-	202.2	125	9.69	33.845	3.17	26.12	189.8	.308
130	9.60	33.867	3.10	-	-	-	186.8	150	9.32	33.939	2.83	26.26	177.2	.354
150	9.32	33.939	2.83	-	-	-	177.2	200	8.79	34.035	2.52	26.42	162.0	.441
185	8.98	34.003	2.64	-	-	-	167.2	250	8.33	34.109	1.95	26.55	149.7	.521
214	8.63	34.061	1.44U	-	-	-	157.7							
254	8.30	34.113	1.89	-	-	-	149.0							

77.55	CALCGFI CRUISE 6612												77.55	
DAVID STARR JORDAN, DECEMBER 12 1966, 0712 GMT, 34 54.5N 121 13W, SOUNDING 320 FM, WIND 300 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 12.														
0	13.87	33.396	5.90	-	-	-	297.1	0	13.87	33.396	5.90	25.00	297.1	0
10	13.88	33.399	5.88	-	-	-	297.0	10	13.88	33.399	5.88	25.00	297.0	.030
29	13.75	33.426	5.65	-	-	-	292.5	20	13.83	33.406	5.78	25.01	295.6	.059
30	13.74K	33.43 G	-	-	-	-	292.0	30	13.74	33.430	5.55	25.05	292.0	.089
39	12.09	33.471	4.61	-	-	-	258.0	50	11.22	33.546	4.10	25.62	237.2	.142
49	11.28	33.540	4.12	-	-	-	238.7	75	10.36	33.700	3.57	25.90	211.4	.158
62	10.70	33.615	3.94	-	-	-	223.3	100	9.74	33.813	3.15	26.09	193.1	.249
77	10.32	33.713	3.51	-	-	-	209.8	125	9.46	33.894	2.95	26.20	182.7	.257
97	9.79	33.801	-	-	-	-	194.7	150	9.18	33.956	2.80	26.29	173.8	.342
121	9.50	33.883	2.98	-	-	-	184.1	200	8.72	34.029	2.57	26.42	161.5	.428
140	9.32	33.933	2.84	-	-	-	177.6	250	7.98	34.086	2.06	26.58	146.5	.507
170	8.92	33.994	2.74	-	-	-	167.0	300	7.54	34.122	1.67	26.67	137.8	.580
199	8.74	34.027	2.58	-	-	-	161.9	400	6.77	34.206	.84	26.85	121.2	.715
230	8.20	34.072	2.21	-	-	-	150.6	500	5.84	34.263	.39	27.01	105.4	.834
269	7.82	34.095	1.93	-	-	-	143.6							
327	7.32	34.147	1.43	-	-	-	132.9							
401	6.76	34.207	.83	-	-	-	121.0							
474	6.04	34.251	.46	-	-	-	108.8							
552	5.51	34.283	.35	-	-	-	100.2							

77.60	CALCGFI CRUISE 6612													77.60
DAVID STARR JORDAN, DECEMBER 12 1966, 0413 GMT, 34 44N 121 34W, SOUNDING 500 FM, WIND 360 FORCE 3, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 09.														
0	14.06	33.343	5.95	-	-	-	304.7	0	14.06	33.343	5.95	24.92	304.7	0
10	14.07	33.339	5.93	-	-	-	305.2	10	14.07	33.339	5.93	24.91	305.2	.031
30	14.05	33.340	5.91	-	-	-	304.7	20	14.06	33.339	5.92	24.91	305.1	.061
50	14.02K	33.34 G	-	-	-	-	304.1	30	14.05	33.340	5.91	24.92	304.7	.092
54	12.88	33.277	5.56	-	-	-	286.8	50	14.02	33.340	5.72	24.92	304.1	.153
63	11.26	33.354	4.78	-	-	-	252.1	75	11.07	33.425	4.54	25.56	243.6	.222
73	11.16	33.408	4.60	-	-	-	246.4	100	10.18	33.670	3.64	25.90	210.7	.279
88	10.42	33.551	4.07	-	-	-	223.4	125	9.62	33.815	3.23	26.11	191.1	.330
102	10.15	33.688	3.57	-	-	-	208.9	150	9.25	33.934	2.86	26.26	176.4	.376
127	9.58	33.823	3.21	-	-	-	189.8	200	8.56	34.037	2.49	26.45	158.5	.462
146	9.31	33.920	2.92	-	-	-	178.4	250	7.96	34.090	1.95	26.59	145.5	.540
170	8.95	33.987	2.64	-	-	-	168.0	300	7.25	34.115	1.53	26.71	134.4	.612
198	8.58	34.033	2.52	-	-	-	159.1	400	6.38	34.181	.73	26.88	118.2	.743
227	8.31	34.088	2.09	-	-	-	151.0	500	5.79	34.254	.37	27.01	105.7	.861
267	7.68	34.093	1.87	-	-	-	141.8							
324	6.99	34.134	1.26	-	-	-	129.5							
397	6.40	34.179	.75	-	-	-	118.6							
470	5.95	34.233	.45	-	-	-	109.1							
549	5.57	34.285	.29	-	-	-	100.7							

INPUT								CLTPUT AT STANCARD LEVELS OF DEPTH									
Z	T	S	OXY	P+G	SIL	NIT	C*T	Z	T	S	OXY	SIG*T	C*T	CC			
77.70								CALCOFI CRUISE 6612								77.70	
DAVID STARR JORDAN, DECEMBER 11 1966, 2323 GMT, 34 24N 122 16W, SOUNDING 2000+ FM, WIND 350 FORCE 3, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 05.																	
0	14.84	33.007	5.94	-	-	-	345.0	0	14.84	33.007	5.94	24.49	345.0	C			
10	14.72	33.007	6.00	-	-	-	342.6	10	14.72	33.007	6.00	24.52	342.6	.034			
20	14.72K	33.02 G	-	-	-	-	341.6	20	14.72	33.020	6.01	24.53	341.6	.069			
30	14.72	33.035	5.99	-	-	-	340.5	30	14.72	33.035	5.99	24.54	340.5	.103			
40	13.79	33.069	5.96	-	-	-	319.5	50	12.18	33.103	5.94	25.10	286.8	.166			
50	12.18	33.103	5.94	-	-	-	286.8	75	10.61	33.141	5.36	25.42	256.9	.234			
64	10.72	33.037	5.68	-	-	-	266.3	100	9.62	33.365	4.64	25.76	224.3	.255			
79	10.55	33.192	5.23	-	-	-	252.1	125	9.56	33.745	3.52	26.07	195.3	.348			
100	9.62	33.365	4.64	-	-	-	224.3	150	9.00	33.902	3.28	26.28	175.0	.355			
125	9.56	33.745	3.52	-	-	-	195.3	200	8.25	34.008	3.02	26.48	156.1	.479			
144	9.12	33.875	3.30	-	-	-	178.8	250	7.58	34.036	2.52	26.60	144.7	.556			
174	8.60	33.973	3.25	-	-	-	163.8	300	6.96	34.057	1.90	26.70	134.8	.628			
203	8.21	34.010	2.99	-	-	-	155.4	400	6.17	34.149	.88	26.88	117.9	.759			
233	7.79	34.029	2.73	-	-	-	148.1	500	5.58	34.231	.41	27.02	104.9	.877			
273	7.31	34.044	2.21	-	-	-	140.4										
331	6.60	34.078	1.58	-	-	-	128.6										
406	6.14	34.156	.83	-	-	-	117.1										
480	5.70	34.216	.48	-	-	-	107.4										
559	5.22	34.271	.29	-	-	-	97.8										
80.52								CALCOFI CRUISE 6612								80.52	
DAVID STARR JORDAN, DECEMBER 10 1966, 1844 GMT, 34 24.5N 120 36.5W, SOUNDING 170 FM, WIND 320 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 06.																	
0	13.30	33.420	5.37	-	-	-	284.3	0	13.30	33.420	5.37	25.13	284.3	C			
10	13.28	33.416	5.33	-	-	-	284.2	10	13.28	33.416	5.33	25.13	284.2	.028			
30	12.84	33.458	4.92	-	-	-	272.8	20	13.20	33.428	5.19	25.16	281.7	.057			
45	11.41	33.540	4.18	-	-	-	240.9	30	12.84	33.458	4.92	25.25	272.8	.085			
50	11.31K	33.55 G	-	-	-	-	238.5	50	11.31	33.550	4.08	25.61	238.5	.136			
60	11.12	33.587	3.98	-	-	-	232.5	75	10.80	33.651	3.79	25.78	222.3	.154			
73	10.85	33.641	3.82	-	-	-	223.9	100	10.28	33.752	3.46	25.95	206.3	.248			
87	10.50	33.710	3.62	-	-	-	213.0	125	9.98	33.808	3.26	26.05	197.2	.299			
107	10.19	33.769	3.38	-	-	-	203.5	150	9.67	33.875	3.03	26.15	187.3	.348			
131	9.91	33.821	3.22	-	-	-	195.2	200	9.20	33.991	2.52	26.32	171.4	.439			
149	9.68	33.873	3.04	-	-	-	187.7	250	8.77	34.074	2.04	26.45	158.8	.524			
190	9.30	33.963	2.67	-	-	-	175.1										
222	8.99	34.039	2.25	-	-	-	164.7										
255	8.73	34.077	2.02	-	-	-	158.0										
80.55								CALCOFI CRUISE 6612								80.55	
DAVID STARR JORDAN, DECEMBER 10 1966, 2124 GMT, 34 19N 120 48W, SOUNDING 425 FM, WIND 340 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 06.																	
0	14.06	33.381	5.71	-	-	-	301.9	0	14.06	33.381	5.71	24.94	301.9	0			
10	14.00	33.380	5.89	-	-	-	300.8	10	14.00	33.380	5.89	24.96	300.8	.030			
30	13.88	33.381	5.62	-	-	-	298.4	20	13.94	33.380	5.84	24.97	299.6	.060			
40	13.22	33.441	5.27	-	-	-	281.2	30	13.88	33.381	5.62	24.98	298.4	.090			
50	11.32K	33.53 G	-	-	-	-	240.1	50	11.32	33.530	4.40	25.59	240.1	.144			
55	10.96	33.566	3.95	-	-	-	231.3	75	10.39	33.678	3.36	25.87	213.5	.201			
69	10.61	33.641	3.47	-	-	-	219.9	100	9.66	33.814	3.09	26.10	191.7	.252			
94	9.76	33.789	3.15	-	-	-	195.1	125	9.27	33.907	2.93	26.24	178.8	.259			
113	9.48	33.861	2.99	-	-	-	185.4	150	8.98	33.969	2.81	26.33	169.8	.343			
133	9.14	33.934	2.89	-	-	-	174.8	200	8.39	34.062	2.40	26.50	154.1	.426			
153	8.96	33.974	2.79	-	-	-	169.1	250	8.05	34.119	1.90	26.60	145.0	.503			
183	8.56	34.037	2.53	-	-	-	158.5	300	7.74	34.180	1.39	26.69	136.1	.575			
216	8.26	34.081	2.27	-	-	-	150.8	400	6.75	34.218	.93	26.86	120.1	.709			
246	8.07	34.113	1.95	-	-	-	145.7	500	6.15	34.289	.48	26.99	107.3	.829			
296	7.78	34.178	1.41	-	-	-	136.8	600	5.32	34.290	.43	27.10	97.5	.938			
349	7.20	34.194	1.18	-	-	-	127.8										
432	6.52	34.237	.77	-	-	-	115.8										
516	6.04	34.295	.44	-	-	-	105.5										
599	5.33	34.290	.43	-	-	-	97.6										

INPUT								OUTPUT AT STANDARD LEVELS CF DEPTH									
Z	T	S	CXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	CC			
80.60								CALCOFI CRUISE 6612								80.60	
DAVID STARR JORDAN, DECEMBER 11 1966, 0016 GMT, 34 09N 121 09W, SOUNDING 1200 FM, WIND 320 FCRCE 4, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 08.																	
2	14.54	33.379	5.92	-	-	-	311.7	0	14.54	33.379	5.92	24.84	311.7	C			
11	14.44	33.360	5.89	-	-	-	311.0	10	14.45	33.362	5.89	24.85	311.1	.031			
30	14.31K	33.33 G	-	-	-	-	310.6	20	14.36	33.350	5.87	24.86	310.1	.062			
31	14.31	33.326	5.85	-	-	-	310.9	30	14.31	33.330	5.86	24.85	310.6	.053			
41	12.30	33.150	5.66	-	-	-	285.5	50	11.08	33.067	5.57	25.28	270.3	.152			
56	10.56	33.069	5.52	-	-	-	261.3	75	9.84	33.530	4.65	25.85	215.6	.213			
69	10.14	33.289	4.81	-	-	-	238.2	100	9.58	33.642	3.94	25.98	203.2	.265			
75	9.84K	33.53 G	-	-	-	-	215.6	125	9.04	33.810	3.22	26.20	182.5	.314			
93	9.76	33.592	4.26	-	-	-	209.7	150	8.78	33.898	3.08	26.31	172.0	.359			
114	9.20	33.749	3.37	-	-	-	189.4	200	8.12	34.000	2.76	26.49	154.9	.442			
132	8.97	33.842	3.18	-	-	-	179.0	250	7.62	34.072	2.07	26.62	142.6	.519			
151	8.77	33.901	3.07	-	-	-	171.7	300	7.49	34.163	1.33	26.71	134.0	.550			
180	8.34	33.989	2.82	-	-	-	158.8	400	6.69	34.263	.52	26.90	116.0	.720			
214	7.98	34.011	2.68	-	-	-	152.1	500	6.04	34.306	.30	27.02	104.7	.837			
243	7.65	34.058	2.19	-	-	-	144.0	600	5.42	34.341	.21	27.13	94.8	.944			
292	7.54	34.151	1.44	-	-	-	135.5										
344	7.16	34.218	.85	-	-	-	125.4										
428	6.46	34.278	.43	-	-	-	111.9										
512	5.97	34.310	.28	-	-	-	103.5										
594	5.46	34.339	.21	-	-	-	95.4										
80.70								CALCOFI CRUISE 6612								80.70	
DAVID STARR JORDAN, DECEMBER 11 1966, 0529 GMT, 33 48.5N 121 51W, SCUNDING 2054 FM, WIND 330 FORCE 4, WEATHER FCG, SEA MISSING, WIRE ANGLE 06.																	
0	14.66	33.002	5.98	-	-	-	341.7	0	14.66	33.002	5.98	24.53	341.7	C			
10	14.66	32.999	5.99	-	-	-	341.9	10	14.66	32.999	5.99	24.52	341.9	.034			
30	14.65	33.000	5.99	-	-	-	341.7	20	14.66	32.999	5.99	24.53	341.9	.068			
50	14.48K	33.00 G	-	-	-	-	338.2	30	14.65	33.000	5.99	24.53	341.7	.103			
60	13.00	32.959	6.07	-	-	-	312.5	50	14.48	33.000	6.08	24.56	338.2	.171			
69	12.44	33.112	5.95	-	-	-	290.8	75	12.33	33.120	5.88	25.09	288.2	.250			
75	12.33K	33.12 G	-	-	-	-	288.2	100	9.79	33.104	5.37	25.53	246.4	.317			
84	10.27	32.983	5.75	-	-	-	263.0	125	9.95	33.420	4.22	25.75	225.5	.376			
98	9.82	33.082	5.43	-	-	-	248.4	150	9.07	33.777	3.55	26.17	185.4	.428			
113	9.77	33.265	4.91	-	-	-	234.1	200	8.41	34.001	3.10	26.45	159.0	.516			
125	9.95K	33.42 G	-	-	-	-	225.5	250	7.74	34.036	2.53	26.58	146.8	.594			
138	9.46	33.664	3.58	-	-	-	199.7	300	7.12	34.077	1.81	26.70	135.4	.667			
158	8.86	33.821	3.52	-	-	-	178.9	400	6.34	34.171	.83	26.88	118.5	.759			
187	8.52	33.969	3.34	-	-	-	162.9	500	5.68	34.229	.45	27.01	106.2	.917			
216	8.27	34.022	2.79	-	-	-	155.4	600	5.22	34.304	.25	27.12	95.3	1.025			
246	7.80	34.034	2.58	-	-	-	147.8										
296	7.15	34.073	1.86	-	-	-	136.1										
350	6.75	34.128	1.21	-	-	-	126.8										
434	6.08	34.196	.66	-	-	-	113.4										
518	5.58	34.240	.40	-	-	-	104.2										
602	5.21	34.306	.25	-	-	-	95.0										
80.80								CALCOFI CRUISE 6612								80.80	
DAVID STARR JORDAN, DECEMBER 11 1966, 1006 GMT, 33 28N 122 31W, SOUNDING 2400 FM, WIND 350 FCRCE 3, WEATHER FOG, SEA MISSING, WIRE ANGLE 15.																	
0	15.38	32.813	5.82	-	-	-	370.4	0	15.38	32.813	5.82	24.23	370.4	C			
10	15.39	32.812	5.87	-	-	-	370.7	10	15.39	32.812	5.87	24.22	370.7	.037			
29	15.24	32.822	5.88	-	-	-	366.8	20	15.35	32.815	5.87	24.23	369.5	.074			
58	14.32	32.878	5.96	-	-	-	344.0	30	15.23	32.823	5.88	24.27	366.5	.111			
67	13.73	32.917	5.98	-	-	-	329.5	50	14.69	32.855	5.94	24.41	353.1	.183			
75	12.30K	32.94 G	-	-	-	-	300.9	75	12.30	32.940	6.03	24.46	300.9	.265			
82	11.74	32.917	6.07	-	-	-	292.6	100	10.47	32.920	5.95	25.27	270.9	.337			
95	10.84	32.902	6.02	-	-	-	278.3	125	9.75	33.117	5.40	25.55	244.7	.402			
100	10.47K	32.92 G	-	-	-	-	270.9	150	9.24	33.479	4.45	25.91	210.0	.460			
109	10.16	32.959	5.79	-	-	-	263.0	200	8.71	33.931	3.24	26.35	168.5	.556			
133	9.58	33.225	5.15	-	-	-	234.1	250	7.87	34.029	2.56	26.55	149.2	.637			
151	9.22	33.494	4.40	-	-	-	208.6	300	7.07	34.017	2.52	26.66	139.3	.712			
178	8.97	33.861	3.16	-	-	-	177.6	400	6.09	34.092	1.38	26.85	121.3	.847			
206	8.62	33.947	3.30	-	-	-	166.0	500	5.67	34.202	.62	26.99	108.1	.967			
234	8.08	34.008	2.76	-	-	-	153.7										
281	7.47	34.040	2.38	-	-	-	142.9										
331	6.46	33.981	2.70	-	-	-	134.1										
411	6.04	34.117	1.12	-	-	-	118.8										
491	5.72	34.195	.66	-	-	-	109.2										
573	5.21	34.251	.32	-	-	-	99.2										

INPUT								CLTPLY AT STANDARC LEVELS CF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	C*T	Z	T	S	CXY	SIG*T	C*T	CC			
80.90								CALCOFI CRUISE 6612								80.90	
DAVID STARR JORDAN, DECEMBER 11 1966, 1441 GMT, 33 05N 123 13W, SOUNDING 2250 FM, WIND 040 FCRCE 2, WEATHER FOG, SEA MODERATE, WIRE ANGLE 03.																	
1	15.64	32.878	5.83	-	-	-	371.1	0	15.64	32.878	5.83	24.22	371.1	C			
11	15.64	32.873	5.84	-	-	-	371.5	10	15.64	32.873	5.84	24.21	371.5	.037			
20	15.64K	32.88 G	-	-	-	-	370.9	20	15.64	32.880	5.78	24.22	370.9	.074			
31	15.65	32.885	5.71	-	-	-	370.8	30	15.66	32.885	5.72	24.22	370.9	.111			
50	14.82K	33.23 G	-	-	-	-	328.3	50	14.82	33.230	5.76	24.67	328.3	.182			
62	14.78	33.257	5.82	-	-	-	325.5	75	13.30	33.120	5.83	24.90	306.3	.261			
70	13.71	33.147	5.83	-	-	-	312.2	100	11.08	32.996	5.72	25.22	275.4	.335			
75	13.30K	33.12 G	-	-	-	-	306.3	125	10.50	33.307	5.01	25.57	242.7	.400			
85	11.92	33.028	5.80	-	-	-	287.6	150	9.76	33.612	4.02	25.93	208.3	.457			
101	11.06	32.998	5.71	-	-	-	274.9	200	9.02	33.920	3.03	26.29	174.1	.554			
116	10.86	33.185	5.30	-	-	-	257.7	250	8.34	34.034	2.55	26.49	155.5	.639			
139	9.92	33.489	4.50	-	-	-	219.9	300	7.86	34.118	1.74	26.62	142.4	.716			
159	9.68	33.698	3.67	-	-	-	200.6	400	6.26	34.099	1.37	26.83	122.5	.853			
188	9.14	33.868	3.26	-	-	-	179.7	500	5.56	34.174	.66	26.98	108.9	.975			
218	8.86	33.978	2.72	-	-	-	167.3	600	5.04	34.273	.33	27.12	95.7	1.084			
248	8.36	34.029	2.59	-	-	-	156.1										
296	7.94	34.121	1.73	-	-	-	143.3										
350	6.80	34.055	1.96	-	-	-	132.9										
434	6.04	34.148	.88	-	-	-	116.5										
516	5.46	34.185A	.61	-	-	-	106.9										
601	5.04	34.274A	.33	-	-	-	95.6										

82.47				CALCOFI CRUISE 6612										82.47			
DAVID STARR JORDAN, DECEMBER 10 1966, 1402 GMT, 34 15N 119 59W, SOUNDING 310 FM, WIND MISSING, WEATHER MISSING, SEA SLIGHT, WIRE ANGLE 00.																	
1	13.84	33.399	5.76	-	-	-	296.3	0	13.84	33.399	5.76	25.00	296.3	0			
12	13.78	33.392	5.70	-	-	-	295.6	10	13.79	33.393	5.71	25.01	295.8	.030			
30	13.66	33.394	5.59	-	-	-	293.1	20	13.73	33.392	5.65	25.02	294.6	.059			
46	11.94	33.512	4.39	-	-	-	252.3	30	13.66	33.394	5.59	25.04	293.1	.089			
56	11.32	33.566	4.07	-	-	-	237.5	50	11.66	33.533	4.24	25.53	245.9	.143			
70	10.64	33.678	3.59	-	-	-	217.6	75	10.50	33.703	3.52	25.88	213.4	.200			
85	10.28	33.745	3.43	-	-	-	206.8	100	9.96	33.821	3.17	26.06	196.0	.252			
100	9.96	33.821	3.17	-	-	-	196.0	125	9.52	33.919	2.94	26.21	181.7	.300			
125	9.52	33.919	2.94	-	-	-	181.7	150	9.28	33.982	2.72	26.30	173.4	.345			
144	9.32	33.971	2.74	-	-	-	174.8	200	9.08	34.028	2.50	26.37	166.8	.432			
175	9.18	34.012	2.67	-	-	-	169.6	250	8.53	34.134	1.57	26.53	150.8	.513			
203	9.06	34.031	2.47	-	-	-	166.4	300	8.12	34.192	.96	26.64	140.6	.589			
233	8.68	34.099	1.90	-	-	-	155.6	400	7.19	34.228	.49	26.81	125.2	.727			
272	8.36	34.170	1.20	-	-	-	145.7	500	6.56	34.246	.20	26.91	115.6	.854			
330	7.86	34.203	.82	-	-	-	136.1										
385	7.32	34.221	.56	-	-	-	127.4										
444	6.87	34.242	.32	-	-	-	119.9										
504	6.54	34.246	.19	-	-	-	115.3										

83.43				CALCOFI CRUISE 6612												83.43			
DAVID STARR JORDAN, DECEMBER 10 1966, 0912 GMT, 34 08N 119 34W, SOUNDING 135 FM, WIND 280 FORCE 3, WEATHER MISSING, SEA MISSING, WIRE ANGLE 02.																			
0	14.34	33.277	5.66	-	-	-	315.1	0	14.34	33.277	5.66	24.81	315.1	0					
10	14.23	33.276	5.55	-	-	-	313.0	10	14.23	33.276	5.55	24.83	313.0	.031					
30	14.10	33.312	5.53	-	-	-	307.8	20	14.16	33.295	5.54	24.86	310.2	.063					
45	13.60	33.297	5.51	-	-	-	299.1	30	14.10	33.312	5.53	24.88	307.8	.094					
50	12.61K	33.30 G	-	-	-	-	280.1	50	12.61	33.300	5.37	25.17	280.1	.153					
56	12.18	33.325	5.15	-	-	-	270.4	75	11.09	33.479	4.50	25.60	240.0	.218					
69	11.40	33.433	4.69	-	-	-	248.7	100	9.90	33.758	3.56	26.02	199.6	.273					
85	10.62	33.566	4.17	-	-	-	225.6	125	9.03	34.015	2.80	26.36	167.2	.320					
104	9.72	33.811	3.40	-	-	-	192.9	150	8.84	34.067	2.33	26.43	160.4	.361					
129	8.95	34.041	2.71	-	-	-	164.0	200	8.56	34.118	2.01	26.52	152.4	.441					
150	8.84	34.067	2.33	-	-	-	160.4												
179	8.68	34.087	2.34	-	-	-	156.5												
203	8.54	34.123	1.94	-	-	-	151.8												

83.51				CALCOFI CRUISE 6612												83.51			
DAVID STARR JORDAN, DECEMBER 10 1966, 0510 GMT, 33 52N 120 07.5W, SOUNDING 60 FM, WIND 070 FCRC 1, WEATHER MISSING, SEA MISSING, WIRE ANGLE 01.																			
C	13.98	33.441	5.63	-	-	-	295.9	0	13.98	33.441	5.63	25.01	295.9	C					
10	13.90	33.439	5.60	-	-	-	294.5	10	13.90	33.439	5.60	25.02	294.5	.030					
20	13.78K	33.44 G	-	-	-	-	292.1	20	13.78	33.440	5.52	25.05	292.1	.059					
25	13.54	33.443	5.47	-	-	-	287.2	30	13.37	33.445	5.41	25.14	283.8	.088					
35	13.26	33.448	5.34	-	-	-	281.4	50	12.35	33.530	4.86	25.40	258.4	.142					
45	13.20	33.465	5.23	-	-	-	279.0	75	10.68	33.626	3.90	25.78	222.1	.203					
50	12.35K	33.53 G	-	-	-	-	258.4	100	10.56	33.680	3.72	25.85	216.1	.258					
60	11.20	33.606	4.09	-	-	-	232.4												
74	10.70	33.624	3.91	-	-	-	222.6												
99	10.56	33.677	3.72	-	-	-	216.4												

A) SALINITY BOTTLES AT 516 AND 601 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO BE IN THE CORRECT ORDER.

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH							
Z	T	S	XY	PHO	SIL	NIT	D*Y	Z	T	S	XY	SIG*Y	C*Y	CC	
83.55 CALCOFI CRUISE 6612								83.55							
DAVID STARR JORDAN, DECEMBER 10 1966, 0301 GMT, 33 45N 120 21W, SOUNDING 500 FM, WIND 330 FORCE 3, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 13.															
0	14.50	33.481	5.73	-	-	-	303.4	0	14.50	33.481	5.73	24.93	303.4	C	
12	14.46	33.476	5.72	-	-	-	302.9	10	14.47	33.476	5.72	24.93	303.1	.030	
27	14.40	33.478	5.66	-	-	-	301.6	20	14.43	33.477	5.69	24.94	302.3	.061	
39	14.34	33.477	5.63	-	-	-	300.5	30	14.39	33.474	5.65	24.95	301.6	.091	
53	11.42	33.592	4.12	-	-	-	237.3	50	12.08	33.567	4.46	25.48	250.7	.146	
67	10.85	33.595	3.92	-	-	-	227.3	75	10.53	33.638	3.72	25.82	216.7	.205	
91	9.98	33.744	3.35	-	-	-	202.0	100	9.79	33.782	3.26	26.06	196.2	.258	
111	9.62	33.822	3.17	-	-	-	190.5	125	9.39	33.877	3.01	26.20	182.8	.306	
130	9.32	33.894	2.96	-	-	-	180.5	150	9.18	33.926	2.94	26.27	176.0	.351	
150	9.18	33.926	2.94	-	-	-	176.0	200	8.44	34.083	2.10	26.51	153.3	.425	
178	8.65	34.035	2.38	-	-	-	159.9	250	8.04	34.150	1.63	26.62	142.6	.511	
211	8.36	34.099	1.99	-	-	-	150.9	300	7.69	34.194	1.28	26.71	134.4	.583	
239	8.13	34.138	1.73	-	-	-	144.7	400	6.75	34.235	.74	26.87	118.9	.715	
288	7.76	34.185	1.34	-	-	-	136.0	500	5.97	34.281	.42	27.01	105.7	.833	
336	7.46	34.215	1.12	-	-	-	129.7	600	5.67	34.327	.40	27.08	98.8	.942	
422	6.50	34.241	.62	-	-	-	115.2								
502	5.96	34.282	.42	-	-	-	105.5								
586	5.69	34.321	.40	-	-	-	99.4								
83.60 CALCOFI CRUISE 6612								83.60							
DAVID STARR JORDAN, DECEMBER 9 1966, 2340 GMT, 33 33N 120 45W, SOUNDING 950 FM, WIND 330 FORCE 3, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 18.															
1	15.38	33.359	5.87	-	-	-	330.4	0	15.38	33.359	5.87	24.65	330.4	0	
10	15.34	33.356	5.87	-	-	-	329.8	10	15.34	33.356	5.87	24.65	329.8	.033	
20	15.23K	33.35 G	-	-	-	-	328.0	20	15.23	33.350	5.87	24.67	328.0	.066	
28	15.18	33.348	5.86	-	-	-	327.1	30	15.18	33.350	5.86	24.68	326.5	.099	
30	15.18K	33.35 G	-	-	-	-	326.9	50	15.17	33.370	5.80	24.70	325.3	.164	
50	15.17K	33.37 G	-	-	-	-	325.3	75	11.58	33.270	5.17	25.35	263.8	.238	
58	14.07	33.257	5.77	-	-	-	311.2	100	10.51	33.511	4.24	25.72	227.8	.300	
66	12.20	33.170	5.53	-	-	-	282.2	125	9.57	33.748	3.62	26.07	195.2	.354	
75	11.58K	33.27 G	-	-	-	-	263.8	150	9.18	33.874	3.45	26.23	179.8	.401	
83	11.14	33.355	4.83	-	-	-	249.9	200	8.57	34.026	2.62	26.44	159.5	.488	
98	10.61	33.488	4.32	-	-	-	231.2	250	8.02	34.124	1.94	26.60	144.2	.565	
111	9.96	33.636	3.85	-	-	-	209.6	300	7.58	34.170	1.60	26.71	134.6	.637	
135	9.40	33.806	3.55	-	-	-	188.3	400	6.70	34.258	.77	26.90	116.4	.768	
153	9.14	33.885	3.43	-	-	-	178.4	500	5.95	34.276	.26	27.01	105.8	.886	
180	8.74	33.978	2.98	-	-	-	165.5								
208	8.51	34.043	2.48	-	-	-	157.3								
235	8.17	34.106	2.02	-	-	-	147.7								
282	7.73	34.149	1.82	-	-	-	138.3								
333	7.30	34.208	1.17	-	-	-	128.1								
412	6.59	34.264	.73	-	-	-	114.6								
493	5.99	34.273	.27	-	-	-	106.6								
575	5.66	34.340	.55	-	-	-	97.6								
83.70 CALCOFI CRUISE 6612								83.70							
DAVID STARR JORDAN, DECEMBER 9 1966, 1835 GMT, 33 14.5N 121 26W, SOUNDING 2000 FM, WIND 340 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 06.															
0	15.56	33.284	5.71	-	-	-	339.7	0	15.56	33.284	5.71	24.55	339.7	0	
10	15.54	33.290	5.81	-	-	-	338.9	10	15.54	33.290	5.81	24.56	338.9	.034	
20	15.56K	33.29 G	-	-	-	-	339.3	20	15.56	33.290	5.82	24.55	339.3	.068	
30	15.56	33.290	5.77	-	-	-	339.3	30	15.56	33.290	5.77	24.55	339.3	.102	
50	13.40K	33.28 G	-	-	-	-	296.5	50	13.40	33.280	5.60	25.00	296.5	.166	
60	11.78	33.305	5.48	-	-	-	264.7	75	11.02	33.416	4.77	25.56	243.3	.234	
69	11.33	33.374	4.98	-	-	-	251.8	100	9.96	33.717	3.95	25.98	203.7	.290	
84	10.57	33.496	4.52	-	-	-	229.9	125	9.57	33.794	3.27	26.10	191.8	.340	
98	10.00	33.705	4.04	-	-	-	205.2	150	9.05	33.899	3.04	26.27	176.0	.387	
113	9.80	33.754	3.39	-	-	-	198.4	200	8.42	34.021	2.75	26.46	157.7	.472	
138	9.30	33.843	3.15	-	-	-	184.0	250	7.88	34.072	2.16	26.58	146.1	.549	
158	8.90	33.935	2.97	-	-	-	171.1	300	7.36	34.127	1.60	26.70	134.9	.622	
187	8.56	34.005	2.84	-	-	-	160.8	400	6.89	34.261	.66	26.87	118.7	.754	
216	8.26	34.035	2.61	-	-	-	154.3	500	5.78	34.263	.42	27.02	104.8	.872	
246	7.93	34.068	2.20	-	-	-	147.1	600	5.26	34.325	.35	27.13	94.2	.978	
296	7.38	34.120	1.66	-	-	-	135.7								
350	7.22	34.217	.96	-	-	-	126.3								
434	6.59	34.273	.56	-	-	-	114.0								
518	5.62	34.267	.39	-	-	-	102.6								
602	5.26	34.327	.35	-	-	-	94.0								

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D* _T	Z	T	S	CKY	SIG* _T	C* _T	CC			
83.80								CALCOFI CRUISE 6612								83.80	
DAVID STARR JORDAN, DECEMBER 9 1966, 1342 GMT, 32 54N 122 08W, SOUNDING 230C FM, WIND 330 FORCE 3, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 12.																	
1	14.80	33.096	5.88	-	-	-	337.7	0	14.80	33.096	5.88	24.57	337.7	0			
11	14.76	33.087	5.88	-	-	-	337.5	10	14.76	33.087	5.88	24.57	337.5	.034			
20	14.77K	33.09 G	-	-	-	-	337.5	20	14.77	33.090	5.89	24.57	337.5	.068			
30	14.78	33.086	5.89	-	-	-	338.0	30	14.78	33.086	5.89	24.57	338.0	.101			
50	13.00K	33.14 G	-	-	-	-	299.1	50	13.00	33.140	5.87	24.97	299.1	.165			
55	12.59	33.100	5.85	-	-	-	294.5	75	11.10	33.040	5.57	25.25	272.5	.237			
63	11.88	33.048	5.78	-	-	-	285.5	100	10.85	33.540	4.17	25.69	231.4	.301			
73	11.10	33.043	5.61	-	-	-	272.3	125	9.78	33.703	3.35	26.00	201.8	.355			
75	11.10K	33.04 G	-	-	-	-	272.5	150	9.25	33.877	2.95	26.22	180.6	.404			
87	9.88	33.158	5.16	-	-	-	243.8	200	8.30	33.987	3.05	26.45	158.4	.490			
100	10.85K	33.54 G	-	-	-	-	231.4	250	7.60	34.044	2.34	26.60	144.3	.568			
102	10.74	33.559	4.01	-	-	-	228.1	300	7.10	34.095	1.64	26.71	133.8	.629			
125	9.78	33.703	3.35	-	-	-	201.8	400	6.44	34.198	.76	26.88	117.7	.770			
144	9.39	33.854	2.89	-	-	-	184.5	500	5.74	34.252	.43	27.02	105.1	.888			
168	8.83	33.919	3.22	-	-	-	171.2										
194	8.40	33.978	3.09	-	-	-	160.5										
223	7.95	34.016	2.82	-	-	-	151.3										
260	7.48	34.053	2.15	-	-	-	142.0										
318	6.96	34.115	1.46	-	-	-	130.5										
389	6.53	34.191	.82	-	-	-	119.3										
462	5.98	34.233	.52	-	-	-	109.4										
541	5.51	34.271	.38	-	-	-	101.1										

87.35							CALCOFI CRUISE 6612							87.35						
DAVID STARR JORDAN, DECEMBER 8 1966, 0418 GMT, 33 50N 118 37.5W, SOUNDING 350 FM, WIND 280 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 07.																				
0	15.48	33.385	5.61	-	-	-	330.6	0	15.48	33.385	5.61	24.64	330.6	0						
10	15.48	33.381	5.62	-	-	-	330.9	10	15.48	33.381	5.62	24.64	330.9	.033						
20	15.44K	33.38 G	-	-	-	-	330.2	20	15.44	33.380	5.49	24.65	330.2	.066						
30	14.08	33.363	5.24	-	-	-	303.6	30	14.08	33.363	5.24	24.93	303.6	.098						
40	13.00	33.352	4.88	-	-	-	283.6	50	12.41	33.401	4.83	25.29	269.0	.155						
55	12.20	33.435	4.79	-	-	-	262.7	75	11.29	33.544	4.27	25.61	238.6	.219						
69	11.52	33.504	4.45	-	-	-	245.5	100	10.70	33.691	3.70	25.83	217.7	.277						
93	10.80	33.661	3.80	-	-	-	221.6	125	10.41	33.790	3.40	25.96	205.5	.330						
113	10.56	33.739	3.55	-	-	-	211.8	150	10.05	33.883	3.11	26.09	192.8	.381						
133	10.30	33.823	3.30	-	-	-	201.3	200	9.27	34.038	2.74	26.34	169.0	.473						
153	10.00	33.893	3.08	-	-	-	191.3	250	8.82	34.103	2.34	26.46	157.4	.557						
182	9.51	34.006	2.81	-	-	-	175.1	300	8.34	34.171	1.70	26.59	145.3	.635						
217	9.08	34.057	2.68	-	-	-	164.7	400	7.42	34.242	.95	26.78	127.1	.777						
246	8.86	34.097	2.39	-	-	-	158.5	500	6.47	34.306	.54	26.97	110.0	.902						
295	8.38	34.165	1.75	-	-	-	146.3	600	5.64	34.371	.29	27.12	95.1	1.012						
348	7.96	34.215	1.31	-	-	-	136.6													
431	7.08	34.255	.77	-	-	-	121.6													
515	6.34	34.316	.50	-	-	-	107.6													
598	5.66	34.370	.29	-	-	-	95.4													

87.40				CALCOFI CRUISE 6612										87.40			
DAVID STARR JORDAN, DECEMBER 8 1966, 07 53 GMT, 33 40N 118 58W, SCUNDING 480 FM, WIND 300 FORCE 5, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 08.																	
0	15.72	33.490	5.78	-	-	-	328.1	0	15.72	33.490	5.78	24.67	328.1	0			
10	15.64	33.484	5.74	-	-	-	326.8	10	15.64	33.484	5.74	24.68	326.8	.033			
20	15.58K	33.48 G	-	-	-	-	325.8	20	15.58	33.480	5.67	24.69	325.8	.065			
30	14.88	33.447	5.58	-	-	-	313.6	30	14.88	33.447	5.58	24.82	313.6	.097			
40	13.40	33.441	5.13	-	-	-	284.6	50	12.25	33.432	4.82	25.35	263.7	.155			
55	11.80	33.434	4.71	-	-	-	255.6	75	11.04	33.490	4.37	25.61	238.3	.219			
68	11.09	33.483	4.51	-	-	-	239.6	100	9.95	33.645	3.75	25.92	208.8	.275			
75	11.04K	33.49 G	-	-	-	-	238.3	125	9.55	33.832	3.32	26.14	188.6	.325			
94	10.07	33.596	3.92	-	-	-	214.4	150	9.30	33.928	3.17	26.25	177.7	.372			
113	9.79	33.753	3.44	-	-	-	198.3	200	8.69	34.078	2.57	26.47	157.3	.457			
132	9.42	33.869	3.29	-	-	-	183.9	250	8.26	34.179	1.56	26.61	143.5	.534			
153	9.28	33.935	3.15	-	-	-	176.8	300	7.81	34.212	1.18	26.70	134.8	.606			
182	8.72	34.016	3.06	-	-	-	162.4	400	6.93	34.258	.71	26.87	119.4	.739			
215	8.63	34.125	2.11	-	-	-	153.0	500	6.34	34.316	.37	26.99	107.7	.859			
244	8.31	34.172	1.63	-	-	-	144.8	600	5.74	34.365	.28	27.11	96.6	.968			
293	7.89	34.212	1.20	-	-	-	135.8										
346	7.32	34.212	1.05	-	-	-	128.0										
429	6.76	34.287	.52	-	-	-	115.1										
514	6.26	34.322	.35	-	-	-	106.2										
596	5.76	34.363	.28	-	-	-	97.1										

INPUT								CLUTPUT AT STANCARD LEVELS CF DEPTH							
Z	T	S	CXY	PFO	SIL	NIT	D*Y	Z	T	S	CXY	SIG*Y	C*Y	CC	
87.45 CALCOFI CRUISE 6612								87.45							
DAVID STARR JORDAN, DECEMBER 8 1966, 1136 GMT, 33 30N 119 19W, SOUNDING 910 FM, WIND 300 FORCE 5, WEATHER MISSING, SEA MISSING, WIRE ANGLE 05.															
1	14.95	33.494	5.60	-	-	-	311.6	0	14.95	33.494	5.60	24.84	311.6	C	
11	14.97	33.488	5.69	-	-	-	312.5	10	14.97	33.488	5.68	24.83	312.5	.031	
20	-	-	5.73G	-	-	-	-	20	14.92	33.504	5.73	24.86	310.2	.062	
30	-	-	5.78G	-	-	-	-	30	14.87	33.504	5.78	24.87	309.3	.093	
31	14.81	33.503	5.79	-	-	-	308.1	50	12.39	33.430	4.81	25.32	266.5	.151	
41	13.10	33.441	5.02	-	-	-	278.9	75	11.05	33.531	4.23	25.64	235.4	.214	
51	12.34	33.429	4.79	-	-	-	265.7	100	10.08	33.714	3.85	25.96	205.8	.270	
65	11.72	33.447	4.65	-	-	-	253.2	125	9.66	33.829	3.32	26.12	190.6	.320	
80	10.72	33.580	4.02	-	-	-	226.2	150	9.22	33.936	3.12	26.27	175.8	.367	
100	10.08	33.714	3.85	-	-	-	205.8	200	8.71	34.076	2.42	26.46	157.8	.452	
125	9.66	33.829	3.32	-	-	-	190.6	250	8.22	34.161	1.77	26.60	144.3	.529	
144	9.29	33.911	3.21	-	-	-	178.8	300	7.78	34.204	1.41	26.70	134.9	.601	
173	9.00	34.018	2.74	-	-	-	166.4	400	7.01	34.260	.93	26.86	120.3	.734	
203	8.68	34.081	2.38	-	-	-	157.0	500	6.39	34.304	.45	26.97	109.1	.856	
232	8.38	34.135	1.92	-	-	-	148.6	600	5.74	34.348	.34	27.09	98.0	.967	
273	8.02	34.186	1.64	-	-	-	139.6								
333	7.50	34.220	1.15	-	-	-	129.9								
408	6.96	34.265	.91	-	-	-	119.3								
483	6.50	34.297	.50	-	-	-	111.0								
561	6.00	34.331	.39	-	-	-	102.3								
87.50 CALCOFI CRUISE 6612															
DAVID STARR JORDAN, DECEMBER 8 1966, 1459 GMT, 33 20N 119 39.5W, SOUNDING 40 FM, WIND 300 FORCE 7, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 15.															
1	15.46	33.504	5.72	-	-	-	321.5	0	15.46	33.504	5.72	24.74	321.5	C	
11	15.47	33.504	5.68	-	-	-	321.7	10	15.47	33.504	5.68	24.74	321.7	.032	
20	15.48	33.504	5.67	-	-	-	321.9	20	15.48	33.504	5.67	24.73	321.5	.064	
30	15.42	33.504	5.81	-	-	-	320.7	30	15.42	33.504	5.81	24.75	320.7	.057	
39	14.96	33.496	5.50	-	-	-	311.7	50	13.44	33.486	5.02	25.15	282.1	.157	
49	13.62	33.487	5.07	-	-	-	285.5								
87.60 CALCOFI CRUISE 6612															
DAVID STARR JORDAN, DECEMBER 8 1966, 2117 GMT, 33 04N 120 19W, SOUNDING 350 FM, WIND 310 FORCE 6, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 04.															
0	15.10	33.467	5.74	-	-	-	316.7	0	15.10	33.467	5.74	24.79	316.7	0	
10	15.10	33.465	5.75	-	-	-	316.8	10	15.10	33.465	5.75	24.79	316.8	.032	
20	15.10K	33.46 G	5.75G	-	-	-	317.2	20	15.10	33.460	5.75	24.78	317.2	.063	
30	15.10	33.465	5.75	-	-	-	316.8	30	15.10	33.465	5.75	24.79	316.8	.055	
40	13.70	33.324	5.59	-	-	-	299.0	50	12.74	33.296	5.49	25.15	282.8	.155	
55	12.38	33.304	5.45	-	-	-	275.6	75	11.30	33.531	4.24	25.60	239.7	.221	
69	11.63	33.525	4.28	-	-	-	245.9	100	10.24	33.581	3.91	25.82	218.2	.279	
95	10.38	33.520	4.12	-	-	-	225.0	125	9.75	33.812	3.17	26.09	193.3	.331	
114	9.94	33.759	3.33	-	-	-	200.2	150	9.29	33.896	2.93	26.23	179.9	.378	
135	9.59	33.838	3.11	-	-	-	188.8	200	8.57	34.042	2.47	26.46	158.3	.464	
155	9.19	33.915	2.87	-	-	-	176.9	250	8.14	34.119	1.89	26.58	146.3	.542	
185	8.66	34.025	2.54	-	-	-	160.8	300	7.77	34.163	1.41	26.67	137.8	.616	
218	8.50	34.055	2.37	-	-	-	156.2	400	6.85	34.261	.67	26.88	118.3	.749	
247	8.16	34.115	1.92	-	-	-	146.9	500	6.15	34.310	.52	27.01	105.7	.868	
297	7.80	34.160	1.44	-	-	-	138.5	600	5.79	34.336	.32	27.08	99.4	.977	
349	7.30	34.215	.99	-	-	-	127.5								
431	6.61	34.283	.55	-	-	-	113.5								
515	6.07	34.315	.50	-	-	-	104.4								
598	5.79	34.336	.33	-	-	-	99.5								
87.70 CALCOFI CRUISE 6612															
DAVID STARR JORDAN, DECEMBER 9 1966, 0346 GMT, 32 39.5N 121 02W, SOUNDING 2100 FM, WIND 320 FORCE 6, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 07.															
1	15.34	33.191	5.76	-	-	-	341.9	0	15.34	33.191	5.76	24.53	341.9	0	
11	15.36	33.190	5.86	-	-	-	342.4	10	15.36	33.190	5.85	24.52	342.4	.034	
20	15.40K	33.20 G	-	-	-	-	342.5	20	15.40	33.200	5.87	24.52	342.5	.069	
31	15.45	33.268	5.84	-	-	-	338.6	30	15.46	33.261	5.84	24.55	339.2	.103	
50	14.40K	33.28 G	-	-	-	-	316.1	50	14.40	33.280	6.04	24.80	316.1	.168	
61	12.70	33.123	5.93	-	-	-	294.8	75	11.77	33.267	5.36	25.26	271.8	.242	
70	12.03	33.180	5.45	-	-	-	278.4	100	10.36	33.380	4.72	25.65	235.0	.306	
85	11.29	33.263	5.25	-	-	-	259.3	125	9.77	33.630	4.17	25.94	207.1	.362	
99	10.40	33.370	4.73	-	-	-	236.4	150	9.37	33.824	3.28	26.16	186.4	.412	
114	9.90	33.527	4.67	-	-	-	216.8	200	8.59	34.025	2.64	26.44	159.7	.500	
139	9.64	33.745	3.47	-	-	-	196.5	250	7.76	34.068	2.22	26.60	144.8	.578	
158	9.16	33.874	3.21	-	-	-	179.5	300	7.18	34.103	1.66	26.71	134.3	.650	
187	8.76	33.986	2.87	-	-	-	165.2	400	6.31	34.189	1.08	26.89	116.8	.781	
217	8.34	34.060	2.38	-	-	-	153.5	500	5.78	34.266	.47	27.02	104.6	.857	
246	7.82	34.066	2.27	-	-	-	145.7	600	5.24	34.322	.39	27.13	94.1	1.003	
297	7.22	34.102	1.67	-	-	-	134.9								
348	6.67	34.127	1.57	-	-	-	125.9								
433	6.14	34.230	.74	-	-	-	111.6								
519	5.68	34.276	.42	-	-	-	102.7								
603	5.22	34.324	.39	-	-	-	93.8								

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	GXY	P+O	SIL	NIT	C+T	Z	T	S	GXY	SIG+T	C+T	CC			
87.80								CALCCFI CRUISE 6612								87.80	
DAVID STARR JORDAN, DECEMBER 9 1966, 0837 GMT, 32 19.5N 121 43W, SOUNDING 2100 FM, WIND 320 FORCE 5, WEATHER CLEAR, SEA MISSING, WIRE ANGLE 03.																	
0	15.90	33.438	5.74	-	-	-	335.7	0	15.90	33.438	5.74	24.59	335.7	C			
10	15.86	33.438	5.76	-	-	-	334.8	10	15.86	33.438	5.76	24.60	334.8	.034			
20	15.87K	33.44 G	-	-	-	-	334.9	20	15.87	33.440	5.76	24.60	334.9	.067			
30	15.88	33.439	5.74	-	-	-	335.2	30	15.88	33.439	5.74	24.60	335.2	.101			
40	15.49K	33.45 G	-	-	-	-	326.1	40	15.49	33.450	5.14	24.69	326.1	.167			
61	12.40	33.423	4.70	-	-	-	267.2	75	11.05	33.500	4.15	25.62	237.7	.238			
69	11.28	33.408	4.42	-	-	-	248.4	100	9.98	33.766	3.25	26.01	200.3	.253			
75	11.05K	33.50 G	-	-	-	-	237.7	125	9.25	33.912	2.91	26.25	178.1	.341			
84	10.72	33.635	3.75	-	-	-	222.2	150	8.93	33.988	2.74	26.36	167.5	.385			
100	9.98	33.766	3.25	-	-	-	200.3	200	8.27	34.045	2.48	26.50	153.7	.467			
114	9.50	33.862	3.00	-	-	-	185.7	250	7.70	34.100	1.94	26.63	141.5	.542			
139	9.04	33.957	2.83	-	-	-	171.5	300	7.37	34.160	1.40	26.73	132.6	.613			
159	8.84	34.007	2.67	-	-	-	164.8	400	6.31	34.186	.86	26.89	116.9	.743			
188	8.42	34.024	2.67	-	-	-	157.4	500	5.56	34.256	.46	27.04	102.8	.859			
217	8.08	34.075	2.17	-	-	-	148.7	600	5.13	34.316	.49	27.14	93.4	.963			
247	7.72	34.096	1.97	-	-	-	142.1										
297	7.40	34.158	1.43	-	-	-	133.1										
352	6.80	34.179	1.03	-	-	-	123.7										
436	5.98	34.189	.77	-	-	-	112.7										
520	5.45	34.272	.42	-	-	-	100.3										
604	5.12	34.317	.50	-	-	-	93.2										

90.28 <th colspan="8">CALCCFI CRUISE 6612 <th colspan="2">90.28 </th></th>								CALCCFI CRUISE 6612 <th colspan="2">90.28 </th>								90.28	
DAVID STARR JORDAN, DECEMBER 7 1966, 0911 GMT, 33 28.5N 117 46.5W, SOUNDING 200 FM, WIND 270 FORCE 5, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 06.																	
1	16.62	33.415	5.76	-	-	-	353.0	0	16.62	33.415	5.76	24.41	353.0	0			
11	16.61	33.411	5.75	-	-	-	353.1	10	16.61	33.412	5.75	24.41	353.2	.035			
31	16.36	33.392	5.89	-	-	-	345.0	20	16.52	33.399	5.87	24.42	352.0	.071			
46	13.44	33.421	5.30	-	-	-	286.9	30	16.43	33.392	5.89	24.44	350.4	.106			
61	12.16	33.450	4.62	-	-	-	260.9	50	12.98	33.428	5.10	25.20	277.6	.169			
74	11.74	33.491	4.43	-	-	-	250.3	75	11.71	33.495	4.41	25.50	249.5	.235			
89	11.34	33.555	4.14	-	-	-	238.6	100	11.14	33.596	4.00	25.68	232.1	.266			
108	10.99	33.630	3.90	-	-	-	227.1	125	10.53	33.736	3.53	25.90	211.4	.352			
133	10.30	33.791	3.34	-	-	-	203.7	150	9.94	33.893	3.04	26.12	190.3	.403			
153	9.88	33.909	3.00	-	-	-	188.2	200	9.26	34.037	2.65	26.34	169.0	.464			
196	9.30	34.029	2.68	-	-	-	170.2	250	8.82	34.117	2.23	26.48	156.4	.578			
231	9.00	34.087	2.41	-	-	-	161.3	300	8.30	34.186	1.57	26.61	143.5	.655			
265	8.67	34.139	2.06	-	-	-	152.5										
304	8.25	34.191	1.50	-	-	-	142.5										

90.32 <th colspan="8">CALCCFI CRUISE 6612 <th colspan="2">90.32 </th></th>								CALCCFI CRUISE 6612 <th colspan="2">90.32 </th>								90.32	
DAVID STARR JORDAN, DECEMBER 7 1966, 0632 GMT, 33 20.5N 118 01.5W, SOUNDING 410 FM, WIND 280 FORCE 5, WEATHER MISSING, SEA MISSING, WIRE ANGLE 03.																	
0	15.21	33.279	5.82	-	-	-	332.7	0	15.21	33.279	5.82	24.62	332.7	0			
10	15.22	33.277	5.83	-	-	-	333.1	10	15.22	33.277	5.83	24.62	333.1	.033			
20	14.30K	33.28 G	-	-	-	-	314.1	20	14.30	33.280	5.57	24.82	314.1	.066			
30	12.18	33.319	5.11	-	-	-	270.9	30	12.18	33.319	5.11	25.27	270.9	.095			
40	12.00	33.462	4.50	-	-	-	257.1	50	11.70	33.517	4.22	25.51	247.7	.147			
55	11.52	33.531	4.15	-	-	-	243.5	75	10.86	33.646	3.78	25.77	223.7	.206			
69	11.02	33.614	3.92	-	-	-	228.8	100	10.27	33.763	3.37	25.96	205.3	.260			
93	10.44	33.733	3.41	-	-	-	210.3	125	9.81	33.898	3.05	26.14	187.8	.310			
113	9.99	33.823	3.29	-	-	-	196.3	150	9.50	33.992	2.80	26.27	176.1	.356			
132	9.72	33.939	2.91	-	-	-	183.4	200	8.80	34.077	2.42	26.45	159.2	.442			
152	9.48	33.996	2.79	-	-	-	175.4	250	8.39	34.156	1.80	26.57	147.1	.520			
181	9.04	34.048	2.64	-	-	-	164.8	300	8.01	34.215	1.24	26.68	137.2	.594			
214	8.66	34.097	2.23	-	-	-	155.5	400	7.14	34.261	.66	26.84	122.0	.729			
243	8.44	34.145	1.89	-	-	-	148.7	500	6.39	34.304	.73	26.97	109.1	.851			
292	8.06	34.209	1.30	-	-	-	138.5	600	5.90	34.341	.24	27.07	100.4	.964			
345	7.68	34.238	.98	-	-	-	131.0										
427	6.88	34.271	.56	-	-	-	117.8										
512	6.32	34.309	.72	-	-	-	107.9										
596	5.92	34.340	.28	-	-	-	100.7										

INPUT								GUTPLT AT STANDARC LEVELS CF DEPTH							
Z	T	S	QXY	P-G	SIL	NIT	D*T	Z	T	S	QXY	SIG*Y	C*T	CC	
90.37 CALCCFI CRUISE 6612								9C.37							
DAVID STARR JORDAN, DECEMBER 7 1966, 0334 GMT, 33 11N 118 22.5W, SOLNDING 650 FM, WIND 220 FCRCE 5, WEATHER DRIZZLE, SEA PISSING, WIRE ANGLE 25.															
0	16.53	33.488	5.74	-	-	-	345.7	C	16.53	33.488	5.74	24.48	345.7	C	
10	16.53K	33.49 G	-	-	-	-	345.6	10	16.53	33.490	5.77	24.49	345.6	.035	
20	16.54K	33.49 G	-	-	-	-	345.8	20	16.54	33.450	5.77	24.48	345.8	.069	
21	16.54	33.486	5.77	-	-	-	346.1	30	16.32	33.474	5.76	24.52	342.2	.104	
32	16.18	33.468	5.75	-	-	-	339.5	50	13.40	33.277	5.61	25.00	296.7	.168	
44	14.12	33.340	5.65	-	-	-	306.1	75	11.78	33.436	4.68	25.44	255.0	.237	
57	12.76	33.235	5.57	-	-	-	287.7	100	10.22	33.531	4.21	25.79	221.6	.257	
79	11.60	33.493	4.48	-	-	-	247.7	125	9.80	33.768	3.51	26.04	197.3	.350	
96	10.35	33.497	4.35	-	-	-	226.2	150	9.45	33.922	3.31	26.22	180.4	.398	
114	9.96	33.676	3.67	-	-	-	206.7	200	8.72	34.041	2.98	26.43	160.5	.485	
140	9.61	33.871	3.40	-	-	-	186.7	250	8.27	34.133	2.06	26.57	147.1	.564	
166	9.20	33.986	3.12	-	-	-	171.8	300	7.93	34.190	1.55	26.67	138.0	.638	
173	9.12	34.012	2.99	-	-	-	168.7	400	6.94	34.239	.91	26.85	121.0	.773	
200	8.72	34.041	2.98	-	-	-	160.5	500	6.26	34.299	.49	26.99	107.9	.854	
226	8.41	34.087	2.47	-	-	-	152.6								
270	8.18	34.166	1.79	-	-	-	143.4								
327	7.67	34.202	1.41	-	-	-	133.5								
415	6.80	34.247	.82	-	-	-	118.6								
494	6.30	34.295	.51	-	-	-	108.7								
563	5.90	34.342	.41	-	-	-	100.3								
90.45 CALCCFI CRUISE 6612 9C.45															
DAVID STARR JORDAN, DECEMBER 6 1966, 2305 GMT, 32 54.5N 118 55.5W, SCUNDING 920 FM, WIND 220 FCRCE 6, WEATHER RAIN, SEA VERY ROUGH, WIRE ANGLE 40.															
0	16.36	33.462	5.81	-	-	-	343.9	0	16.36	33.462	5.81	24.50	343.9	C	
8	16.34	33.461	5.79	-	-	-	343.5	10	16.34	33.461	5.78	24.51	343.5	.034	
20	16.34K	33.46 G	-	-	-	-	343.6	20	16.34	33.460	5.76	24.51	343.6	.069	
27	16.34	33.463	5.78	-	-	-	343.4	30	16.33	33.460	5.84	24.51	343.4	.103	
30	16.33K	33.46 G	-	-	-	-	343.4	50	12.84	33.303	5.46	25.13	284.1	.166	
35	15.68	33.402	5.89	-	-	-	333.6	75	11.79	33.449	4.79	25.44	254.4	.234	
45	13.09	33.287	5.60	-	-	-	290.0	100	10.91	33.603	4.09	25.73	227.7	.255	
56	12.56	33.349	5.29	-	-	-	275.6	125	10.07	33.846	3.29	26.06	195.6	.348	
78	11.69	33.464	4.72	-	-	-	251.4	150	9.48	33.947	3.16	26.24	179.1	.356	
94	11.19	33.535	4.34	-	-	-	237.5	200	8.72	34.077	2.64	26.46	157.8	.482	
108	10.54	33.702	3.75	-	-	-	214.2	250	8.38	34.160	1.88	26.58	146.8	.560	
131	9.94	33.882	3.19	-	-	-	191.1	300	7.83	34.200	1.44	26.69	135.5	.633	
152	9.44	33.952	3.15	-	-	-	178.1	400	6.97	34.262	.82	26.86	119.7	.766	
185	8.97	34.086	2.47	-	-	-	160.9	500	6.24	34.301	.45	26.99	107.4	.866	
209	8.58	34.068	2.75	-	-	-	156.5								
254	8.36	34.171	1.76	-	-	-	145.6								
305	7.77	34.203	1.41	-	-	-	134.8								
383	7.11	34.253	.89	-	-	-	122.2								
457	6.54	34.288	.60	-	-	-	112.2								
520	6.10	34.306	.39	-	-	-	105.4								
90.53 CALCCFI CRUISE 6612 9C.53															
DAVID STARR JORDAN, DECEMBER 6 1966, 1857 GMT, 32 41N 119 29W, SOLNDING 750 FM, WIND 220 FORCE 5, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 05.															
0	16.62	33.477	5.74	-	-	-	348.5	0	16.62	33.477	5.74	24.46	348.5	0	
10	16.60	33.467	5.77	-	-	-	348.8	10	16.60	33.467	5.77	24.45	348.8	.035	
35	16.58	33.465	5.84	-	-	-	348.5	20	16.59	33.466	5.83	24.45	348.6	.070	
50	15.30K	33.40 G	-	-	-	-	325.8	30	16.58	33.465	5.85	24.46	348.5	.105	
64	11.78	33.309	5.19	-	-	-	264.5	50	15.30	33.400	5.60	24.69	325.8	.172	
73	11.16	33.388	4.84	-	-	-	247.8	75	11.09	33.404	4.77	25.54	245.5	.244	
93	10.71	33.521	4.23	-	-	-	230.4	100	10.48	33.551	4.11	25.76	224.3	.303	
108	10.19	33.593	3.98	-	-	-	216.5	125	9.61	33.764	3.59	26.07	194.6	.356	
123	9.66	33.745	3.64	-	-	-	196.8	150	9.07	33.943	2.98	26.30	173.1	.403	
152	9.04	33.953	2.94	-	-	-	171.8	200	8.38	34.058	2.47	26.50	154.3	.466	
172	8.70	34.008	3.45U	-	-	-	162.7	250	8.00	34.103	2.01	26.59	145.6	.563	
200	8.38	34.058	2.47	-	-	-	154.3	300	7.64	34.186	1.25	26.71	134.3	.636	
236	8.02	34.084	2.19	-	-	-	147.2	400	6.82	34.257	.65	26.88	118.1	.767	
264	7.99	34.124	1.81	-	-	-	143.8	500	6.26	34.304	.43	26.99	107.5	.867	
314	7.47	34.208	1.05	-	-	-	130.3	600	5.71	34.337	.36	27.09	98.4	.957	
377	6.95	34.245	.74	-	-	-	120.7								
475	6.44	34.292	.45	-	-	-	110.6								
563	5.88	34.328	.39	-	-	-	101.1								
636	5.57	34.343	.33	-	-	-	96.4								

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	CC			
90.60								CALCGFI CRUISE 6612								9C.60	
DAVID STARR JORDAN, DECEMBER 6 1966, 1458 GMT, 32 25.5N 119 57.5W, SOUNDING 500 FM, WIND 220 FORCE 4, WEATHER OVERCAST, SEA MISSING, WIRE ANGLE 28.																	
1	15.86	33.323	5.85	-	-	-	343.2	0	15.86	33.323	5.85	24.51	343.2	0			
9	15.86	33.327	5.83	-	-	-	342.9	10	15.86	33.327	5.83	24.51	342.9	.034			
20	15.86K	33.33 G	-	-	-	-	342.7	20	15.86	33.330	5.86	24.52	342.7	.069			
30	15.86K	33.33 G	-	-	-	-	342.7	30	15.86	33.330	5.88	24.52	342.7	.103			
32	15.68	33.369	5.89	-	-	-	336.0	50	15.00	33.340	5.84	24.71	323.9	.170			
50	15.00K	33.34 G	-	-	-	-	323.9	75	11.60	33.244	5.36	25.32	266.1	.244			
57	13.76	33.305	5.78	-	-	-	301.6	100	10.33	33.586	4.05	25.81	219.4	.305			
65	12.56	33.231	5.67	-	-	-	284.3	125	9.88	33.743	3.50	26.01	200.4	.358			
83	11.09	33.323	4.97	-	-	-	251.4	150	9.23	33.893	3.30	26.24	179.2	.406			
96	10.42	33.550	4.07	-	-	-	223.5	200	8.49	34.063	2.39	26.48	155.5	.452			
108	10.22	33.637	4.02	-	-	-	213.8	250	7.76	34.106	1.94	26.63	141.9	.568			
134	9.67	33.796	3.23	-	-	-	193.2	300	7.25	34.168	1.30	26.75	130.4	.638			
152	9.18	33.905	3.31	-	-	-	177.5	400	6.90	34.248	.84	26.86	119.8	.769			
177	8.72	34.020	2.70	-	-	-	162.1	500	6.36	34.277	.65	26.96	110.8	.851			
207	8.43	34.069	2.33	-	-	-	154.2	600	5.78	34.352	.42	27.09	98.1	1.002			
240	7.94	34.095	2.10	-	-	-	145.2										
282	7.27	34.146	1.43	-	-	-	132.3										
341	7.21	34.212	1.14	-	-	-	126.6										
431	6.70	34.259	.72	-	-	-	116.4										
512	6.30	34.283	.63	-	-	-	105.6										
584	5.88	34.336	.47	-	-	-	100.5										

90.70							CALCGFI CRUISE 6612							9C.70		
DAVID STARR JORDAN, DECEMBER 6 1966, 0944 GMT, 32 01N 120 39W, SOUNDING 215C FM, WIND 220 FORCE 5, WEATHER CLOUDY, SEA HIGH, WIRE ANGLE 27.																
0	16.38	33.140	5.74	-	-	-	367.8	0	16.38	33.140	5.74	24.25	367.8	0		
9	16.37	33.138	5.74	-	-	-	367.8	10	16.37	33.138	5.74	24.25	367.8	.037		
10	16.37K	-	-	-	-	-	-	20	16.38	33.138	5.75	24.25	368.0	.074		
20	16.38K	-	-	-	-	-	-	30	16.39	33.140	5.78	24.25	368.1	.111		
30	16.39K	-	-	-	-	-	-	50	16.05	33.180	5.99	24.36	357.8	.183		
32	16.39	33.140	5.79	-	-	-	368.1	75	12.85	33.161	5.91	25.02	294.8	.265		
50	16.05K	33.18 G	-	-	-	-	357.8	100	11.12	33.345	4.98	25.49	250.3	.334		
59	14.26	33.176	6.07	-	-	-	320.9	125	10.34	33.541	4.32	25.78	222.8	.354		
67	13.54	33.155	6.06	-	-	-	308.3	150	9.62	33.779	3.45	26.08	193.7	.446		
85	12.05	33.208	5.58	-	-	-	276.7	200	8.70	34.017	2.62	26.42	162.0	.537		
97	11.22	33.323	5.08	-	-	-	253.7	250	7.95	34.099	1.97	26.59	145.1	.616		
111	10.86	33.422	4.67	-	-	-	240.2	300	7.47	34.148	1.45	26.70	134.8	.688		
139	9.84	33.671	3.92	-	-	-	205.1	400	6.81	34.262	.70	26.89	117.6	.820		
156	9.52	33.834	3.21	-	-	-	188.0	500	6.18	34.307	.45	27.00	106.3	.938		
183	8.94	33.973	2.84	-	-	-	168.9	600	5.72	34.347	.33	27.09	97.8	1.047		
215	8.50	34.042	2.43	-	-	-	157.2									
242	8.05	34.091	2.06	-	-	-	147.1									
287	7.58	34.129	1.60	-	-	-	137.7									
346	7.12	34.216	.96	-	-	-	125.1									
437	6.61	34.282	.61	-	-	-	113.5									
519	6.07	34.315	.42	-	-	-	104.4									
589	5.76	34.343	.34	-	-	-	98.6									

90.80								CALCGFI CRUISE 6612								90.80			
DAVID STARR JORDAN, DECEMBER 6 1966, 0512 GMT, 31 44.5N 121 19.5W, SOUNDING 2100 FM, WIND 330 FORCE 5, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 40.																			
0	17.35	33.300	5.66	-	-	-	377.8	0	17.35	33.300	5.66	24.15	377.8	0					
7	17.31	33.303	5.64	-	-	-	376.6	10	17.31	33.304	5.64	24.16	376.5	.038					
26	17.32	33.308	5.68	-	-	-	376.5	20	17.31	33.307	5.66	24.16	376.3	.075					
48	17.26	33.298	5.65	-	-	-	375.9	30	17.31	33.307	5.61	24.16	376.4	.113					
50	17.21K	33.29 G	-	-	-	-	375.3	50	17.21	33.290	5.77	24.17	375.3	.189					
56	15.04	33.207	6.11	-	-	-	334.5	75	13.49	33.270	5.91	24.98	299.0	.273					
71	13.62	33.277	5.93	-	-	-	300.9	100	12.14	33.285	5.45	25.25	272.6	.345					
82	13.30	33.255	5.85	-	-	-	296.4	125	11.04	33.407	4.84	25.55	244.4	.410					
92	12.63	33.271	5.65	-	-	-	282.6	150	10.18	33.687	4.37	25.92	209.4	.468					
114	11.42	33.333	5.08	-	-	-	256.4	200	8.75	33.957	3.62	26.36	167.2	.564					
127	10.98	33.424	4.80	-	-	-	242.1	250	7.96	34.047	2.62	26.55	149.1	.645					
149	10.22	33.679	4.39	-	-	-	210.7	300	7.32	34.076	2.04	26.67	138.2	.719					
172	9.44	33.835	3.89	-	-	-	186.7	400	6.55	34.183	.92	26.86	120.1	.853					
194	8.88	33.939	3.73	-	-	-	170.5	500	5.53	34.214	.59	27.01	105.5	.972					
225	8.29	34.011	3.07	-	-	-	156.5												
267	7.76	34.063	2.36	-	-	-	145.1												
334	6.92	34.088	1.77	-	-	-	132.0												
404	6.52	34.187	.89	-	-	-	119.5												
472	5.87	34.207	.67	-	-	-	110.1												

INPUT								CLTPLT AT STANDARC LEVELS CF DEPTH									
Z	T	S	CHY	P+G	SIL	NIT	D*T	Z	T	S	CHY	SIG*T	C*T	CC			
90.90								CALCCFI CRUISE 6612								90.90	
DAVID STARR JORDAN, DECEMBER 5 1966, 2345 GMT, 31 23N 122 01W, SOUNDING 227C FM, WIND 230 FCRCE 5, WEATHER CVERCAST, SEA HIGH, WIRE ANGLE 33.																	
0	16.80	33.124	5.73	-	-	-	378.2	0	16.80	33.124	5.73	24.14	378.2	C			
8	16.80	33.129	5.78	-	-	-	377.9	10	16.80	33.130	5.78	24.15	377.8	.038			
10	16.80K	33.13 G	-	-	-	-	377.8	20	16.81	33.130	5.77	24.15	378.0	.076			
20	16.81K	33.13 G	-	-	-	-	378.0	30	16.82	33.133	5.78	24.15	378.0	.114			
30	16.82	33.133	5.78	-	-	-	378.0	50	16.85	33.140	6.15	24.14	378.2	.189			
50	16.85K	33.14 G	-	-	-	-	378.2	75	13.19	33.175	5.95	24.96	300.1	.275			
54	15.43	33.231	6.19	-	-	-	340.9	100	11.67	33.214	5.47	25.29	269.5	.346			
62	14.29	33.202	6.07	-	-	-	319.6	125	10.71	33.477	4.50	25.66	233.7	.410			
80	12.86	33.171	5.89	-	-	-	294.2	150	9.81	33.691	3.90	25.98	203.2	.465			
92	11.82	33.177	5.61	-	-	-	274.9	200	8.78	33.973	3.94	26.37	166.4	.559			
105	11.56	33.249	5.36	-	-	-	265.0	250	7.92	34.025	2.94	26.54	150.2	.640			
129	10.52	33.525	4.32	-	-	-	227.0	300	7.17	34.059	2.40	26.68	137.4	.714			
145	9.98	33.643	3.93	-	-	-	209.5	400	6.24	34.143	1.17	26.87	119.4	.848			
168	9.29	33.854	3.93	-	-	-	183.0	500	5.70	34.238	.56	27.01	105.7	.966			
195	8.86	33.962	4.02	-	-	-	168.5										
219	8.46	34.002	3.53	-	-	-	159.6										
257	7.80	34.028	2.82	-	-	-	148.3										
311	7.03	34.067	2.31	-	-	-	135.0										
393	6.28	34.136	1.23	-	-	-	120.3										
471	5.86	34.210	.68	-	-	-	109.7										
540	5.47	34.277	.46	-	-	-	100.2										
90.97								CALCOFI CRUISE 6612								90.97	
DAVID STARR JORDAN, DECEMBER 5 1966, 2018 GMT, 31 10N 122 26W, SOUNDING 225C FM, WIND 220 FCRCE 5, WEATHER CLCLCY, SEA VERY ROUGH, WIRE ANGLE 25.																	
1	16.65	33.073	5.78	-	-	-	378.7	0	16.65	33.073	5.78	24.14	378.7	C			
10	16.62	33.073	5.88	-	-	-	378.0	10	16.62	33.073	5.88	24.15	378.0	.038			
20	16.62K	33.07 G	-	-	-	-	378.2	20	16.62	33.070	5.83	24.14	378.2	.076			
30	16.62K	33.08 G	-	-	-	-	377.5	30	16.62	33.080	5.78	24.15	377.5	.114			
34	16.62	33.076	5.76	-	-	-	377.8	50	16.73	33.100	6.05	24.14	378.4	.189			
50	16.73K	33.10 G	-	-	-	-	378.4	75	13.08	33.192	6.07	25.00	296.8	.274			
60	14.66	33.209	6.21	-	-	-	326.6	100	11.21	33.337	5.06	25.46	252.4	.343			
69	13.72	33.219	6.18	-	-	-	307.1	125	10.17	33.602	4.24	25.85	215.5	.402			
86	12.04	33.174	5.71	-	-	-	279.0	150	9.42	33.824	3.79	26.15	187.1	.453			
99	11.26	33.326	5.10	-	-	-	254.1	200	8.61	33.984	3.79	26.41	163.1	.543			
113	10.63	33.480	4.57	-	-	-	232.1	250	7.61	34.033	2.73	26.59	145.3	.622			
139	9.71	33.731	3.96	-	-	-	198.6	300	7.00	34.082	1.86	26.72	133.4	.653			
156	9.28	33.868	3.73	-	-	-	181.8	400	6.17	34.176	.91	26.90	115.9	.823			
183	8.87	33.956	3.98	-	-	-	169.1	500	5.62	34.262	.49	27.04	103.0	.938			
213	8.38	33.998	3.54	-	-	-	158.7	600	5.32	34.347	.30	27.14	93.2	1.043			
240	7.78	34.024	2.94	-	-	-	148.3										
282	7.18	34.064	2.12	-	-	-	137.2										
339	6.67	34.121	1.40	-	-	-	126.3										
429	5.96	34.201	.75	-	-	-	111.6										
510	5.58	34.271	.46	-	-	-	101.9										
582	5.36	34.332	.32	-	-	-	94.8										
90.110								CALCOFI CRUISE 6612								90.110	
DAVID STARR JORDAN, DECEMBER 5 1966, 1425 GMT, 30 45.5N 123 15W, SOUNDING 2080 FM, WIND 230 FCRCE 5, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 27.																	
0	17.26	33.257	5.64	-	-	-	378.8	0	17.26	33.257	5.64	24.14	378.8	C			
9	17.24	33.258	5.61	-	-	-	378.3	10	17.25	33.260	5.61	24.14	378.4	.038			
31	17.37	33.299	5.66	-	-	-	378.3	20	17.32	33.280	5.63	24.14	378.6	.076			
40	17.26	33.292	5.67	-	-	-	376.3	30	17.37	33.297	5.66	24.14	378.3	.114			
55	16.30	33.242	5.89	-	-	-	358.7	50	16.83	33.268	5.80	24.25	368.4	.189			
66	13.83	33.134	6.08	-	-	-	315.5	75	13.43	33.155	6.03	24.90	306.3	.273			
88	12.90	33.242	5.78	-	-	-	289.8	100	12.31	33.276	5.52	25.21	276.4	.347			
105	12.06	33.291	5.40	-	-	-	270.8	125	11.11	33.409	4.91	25.54	245.4	.413			
128	10.98	33.432	4.83	-	-	-	241.5	150	10.18	33.630	4.30	25.87	213.6	.471			
150	10.18K	33.63 G	-	-	-	-	213.6	200	8.78	33.957	3.40	26.36	167.6	.568			
158	9.84	33.715	4.12	-	-	-	201.9	250	7.97	34.026	2.96	26.54	150.8	.649			
184	9.09	33.897	3.65	-	-	-	176.8	300	7.39	34.094	1.79	26.67	137.8	.724			
220	8.46	33.997	3.17	-	-	-	160.0	400	6.40	34.162	1.00	26.86	119.9	.858			
247	8.01	34.022	3.03	-	-	-	151.7	500	5.66	34.223	.52	27.00	106.4	.977			
294	7.46	34.089	1.87	-	-	-	139.1	600	5.20	34.321	.35	27.14	93.9	1.083			
352	6.85	34.129	1.36	-	-	-	128.0										
445	6.03	34.192	.73	-	-	-	113.1										
527	5.51	34.244	.45	-	-	-	103.1										
601	5.20	34.322	.35	-	-	-	93.7										

INPUT								CALCULATED AT STANDARD LEVELS OF DEPTH									
Z	T	S	CXY	PHD	SIL	NIT	D*1	Z	T	S	CXY	SIG*1	C*1	CC			
90.120								CALCOFI CRUISE 6612								90.120	
DAVID STARR JORDAN, DECEMBER 5 1966, 0807 GMT, 30 26N 123 55W, SOUNDING 2300 FM, WIND 220 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 32.																	
1	17.76	33.393	5.63	-	-	-	380.3	0	17.76	33.393	5.63	24.12	380.3	C			
9	17.76	33.390	5.61	-	-	-	380.6	10	17.76	33.390	5.61	24.12	380.6	.038			
31	17.78	33.393	5.63	-	-	-	380.8	20	17.77	33.390	5.61	24.12	380.8	.076			
56	17.77	33.404	5.64	-	-	-	379.8	30	17.78	33.393	5.63	24.12	380.8	.114			
65	16.70	33.346	5.88	-	-	-	359.8	50	17.77	33.413	5.64	24.13	379.3	.151			
75	14.55K	33.26 G	-	-	-	-	320.6	75	14.55	33.260	6.10	24.75	320.6	.279			
82	13.42	33.233	6.13	-	-	-	300.3	100	11.88	33.252	5.52	25.28	270.5	.353			
94	12.32	33.235	5.74	-	-	-	279.6	125	10.51	33.477	4.53	25.70	230.4	.416			
105	11.56	33.275	5.33	-	-	-	263.1	150	9.78	33.682	3.94	25.98	203.4	.471			
130	10.32	33.534	4.35	-	-	-	223.0	200	8.86	33.958	3.13	26.35	168.8	.566			
146	9.88	33.648	4.00	-	-	-	207.5	250	8.13	34.060	2.52	26.54	150.5	.648			
169	9.36	33.829	3.70	-	-	-	185.9	300	7.49	34.090	2.13	26.65	139.4	.722			
196	8.92	33.943	3.19	-	-	-	170.8	400	6.41	34.130	1.29	26.83	122.4	.859			
219	8.60	34.019	2.86	-	-	-	160.4	500	5.68	34.221	.70	27.00	106.8	.979			
261	7.97	34.066	2.42	-	-	-	147.8										
318	7.29	34.097	2.01	-	-	-	136.2										
399	6.42	34.129	1.30	-	-	-	122.6										
474	5.84	34.192	.86	-	-	-	110.8										
546	5.46	34.282	.40	-	-	-	99.7										

90.130							CALCOFI CRUISE 6612							90.130		
DAVID STARR JORDAN, DECEMBER 5 1966, 0315 GMT, 30 05N 124 36.5W, SOUNDING 2500 FM, WIND 220 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 20.																
1	17.74	33.357	5.67	-	-	-	382.5	0	17.74	33.357	5.67	24.10	382.5	C		
10	17.72	33.358	5.67	-	-	-	382.0	10	17.72	33.358	5.67	24.10	382.0	.038		
20	17.80K	33.40 G	-	-	-	-	380.8	20	17.80	33.400	5.65	24.12	380.8	.076		
33	18.08	33.555	5.63	-	-	-	376.0	30	18.02	33.522	5.64	24.16	377.0	.114		
43	18.07	33.557	5.62	-	-	-	375.6	50	18.01	33.580	5.63	24.20	372.5	.150		
50	18.01K	33.58 G	-	-	-	-	372.5	75	14.86	33.353	6.20	24.75	320.2	.277		
56	17.88	33.597	5.64	-	-	-	368.3	100	13.01	33.327	5.97	25.12	285.7	.353		
71	15.34	33.377	6.18	-	-	-	328.3	125	12.08	33.410	5.55	25.36	262.4	.422		
93	13.37	33.325	6.05	-	-	-	292.6	150	11.04	33.662	5.00	25.75	225.6	.464		
113	12.52	33.342	5.78	-	-	-	275.4	200	9.39	33.904	4.48	26.22	180.9	.567		
132	11.83	33.465	5.41	-	-	-	253.8	250	8.51	34.001	4.10	26.43	160.4	.675		
160	10.61	33.765	4.80	-	-	-	210.7	300	7.51	34.025	2.75	26.60	144.5	.753		
187	9.70	33.856	4.55	-	-	-	189.2	400	6.27	34.070	1.79	26.81	125.1	.853		
225	8.93	33.977	4.33	-	-	-	168.4	500	5.66	34.178	.82	26.97	109.8	1.017		
253	8.46	34.002	4.06	-	-	-	159.6	600	5.06	34.265	.41	27.11	96.5	1.126		
299	7.53	34.025	2.76	-	-	-	144.8									
360	6.63	34.041	2.24	-	-	-	131.8									
453	5.93	34.122	1.20	-	-	-	117.1									
537	5.44	34.215	.60	-	-	-	104.5									
610	5.00	34.271	.40	-	-	-	95.3									

90.140								CALCOFI CRUISE 6612								90.140			
DAVID STARR JORDAN, DECEMBER 4 1966, 2238 GMT, 29 45N 125 17W, SOUNDING 2440 FM, WIND 220 FORCE 5, WEATHER CLOUCY, SEA RCLGH, WIRE ANGLE 22.																			
0	18.47	33.731	5.51	-	-	-	372.3	0	18.47	33.731	5.51	24.21	372.3	0					
10	18.43	33.724	5.53	-	-	-	371.9	10	18.43	33.724	5.53	24.21	371.9	.037					
30	18.60K	33.84 G	-	-	-	-	367.5	20	18.50	33.771	5.53	24.23	370.1	.074					
33	18.62	33.858	5.51	-	-	-	366.7	30	18.60	33.840	5.51	24.26	367.5	.111					
50	18.80K	33.95 G	-	-	-	-	364.3	50	18.80	33.950	5.49	24.29	364.3	.185					
58	18.88	33.968	5.51	-	-	-	364.9	75	17.00	33.820	5.71	24.63	332.0	.272					
68	18.28	33.868	5.59	-	-	-	357.9	100	15.86	33.939	5.73	24.98	298.2	.352					
75	17.00K	33.82 G	-	-	-	-	332.0	125	15.06	33.994	5.49	25.20	277.4	.425					
87	16.06	33.825	5.86	-	-	-	310.9	150	13.87	33.933	5.26	25.41	257.8	.462					
101	15.84	33.948	5.72	-	-	-	297.2	200	10.24	33.811	4.54	26.00	201.1	.609					
115	15.31	33.961	5.60	-	-	-	285.0	250	9.04	33.987	4.34	26.34	169.3	.704					
141	14.50	34.004	5.32	-	-	-	265.1	300	8.04	34.010	3.48	26.51	153.0	.787					
161	12.99	33.835	5.17	-	-	-	247.9	400	6.62	34.057	2.02	26.75	130.4	.934					
187	10.90	33.761	4.74	-	-	-	215.9	500	5.70	34.142	.96	26.93	112.9	1.062					
218	9.62	33.908	4.34	-	-	-	184.1	600	5.09	34.240	.51	27.08	98.6	1.174					
246	9.12	33.982	4.39	-	-	-	170.9												
293	8.18	34.008	3.59	-	-	-	155.1												
354	7.11	34.030	2.65	-	-	-	138.8												
446	6.24	34.092	1.48	-	-	-	123.1												
530	5.46	34.171	.75	-	-	-	108.0												
602	5.08	34.242	.51	-	-	-	98.4												

INPUT								CLTPLY AT STANDARD LEVELS OF DEPTH							
Z	T	S	CXY	PHC	SIL	NIT	D*T	Z	T	S	CXY	SIG*+T	D*T	CC	
93.28 CALCCFI CRUISE 6612								93.28							
DAVID STARR JORDAN, DECEMBER 2 1966, 0421 GMT, 32 54.5N 117 22W, SOUNDING 315 FM, WIND 360 FCRCE 1, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 12.															
C	15.82	33.454	5.93	-	-	-	332.8	C	15.82	33.454	5.93	24.62	332.8	C	
9	15.80	33.446	5.99	-	-	-	333.0	10	15.79	33.440	5.99	24.62	333.2	.033	
10	15.79K	33.44 G	-	-	-	-	333.2	20	15.15	33.410	5.85	24.73	321.9	.066	
20	15.15K	33.41 G	-	-	-	-	321.9	30	12.78	33.368	5.49	25.19	278.3	.056	
28	13.06	33.363	5.60	-	-	-	283.9	50	11.58	33.478	4.54	25.51	248.4	.149	
43	11.88	33.443	4.77	-	-	-	256.4	75	10.95	33.610	4.02	25.72	227.8	.209	
53	11.48	33.492	4.47	-	-	-	245.7	100	10.43	33.763	3.46	25.93	207.8	.264	
66	11.15	33.549	4.28	-	-	-	235.8	125	9.75	33.934	2.94	26.18	184.3	.313	
81	10.82	33.653	3.84	-	-	-	222.5	150	9.48	34.001	2.79	26.28	175.0	.359	
96	10.55	33.732	3.56	-	-	-	212.2	200	8.96	34.105	2.31	26.45	159.3	.444	
120	9.84	33.912	3.00	-	-	-	187.3	250	8.51	34.158	1.88	26.56	148.8	.523	
140	9.56	33.980	2.83	-	-	-	177.9	300	8.18	34.196	1.45	26.64	141.1	.598	
169	9.34	34.035	2.69	-	-	-	170.4	400	7.14	34.258	.77	26.84	122.2	.726	
197	8.99	34.100	2.35	-	-	-	160.2	500	6.36	34.304	.42	26.98	108.7	.858	
226	8.70	34.140	2.04	-	-	-	152.9								
265	8.41	34.166	1.79	-	-	-	146.7								
322	8.01	34.215	1.24	-	-	-	137.3								
375	7.44	34.245	.92	-	-	-	127.2								
432	6.82	34.274	.61	-	-	-	116.8								
491	6.40	34.300	.43	-	-	-	109.6								
93.30 CALCCFI CRUISE 6612								93.30							
DAVID STARR JORDAN, DECEMBER 2 1966, 0624 GMT, 32 50.5N 117 31W, SOUNDING 480 FM, WIND 360 FCRCE 2, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 02.															
0	16.93	33.522	5.76	-	-	-	352.1	0	16.93	33.522	5.76	24.42	352.1	C	
9	16.95	33.519	5.85	-	-	-	352.8	10	16.95	33.520	5.85	24.41	352.7	.035	
10	16.95K	33.52 G	-	-	-	-	352.7	20	16.80	33.510	5.86	24.44	350.1	.070	
20	16.80K	33.51 G	-	-	-	-	350.1	30	14.15	33.349	5.81	24.90	306.0	.103	
29	14.34	33.356	5.84	-	-	-	309.3	50	12.14	33.357	5.25	25.31	267.4	.161	
39	12.90	33.330	5.51	-	-	-	283.3	75	11.22	33.548	4.24	25.63	237.1	.224	
49	12.18	33.353	5.28	-	-	-	268.4	100	10.47	33.782	3.40	25.94	207.3	.280	
63	11.79	33.440	4.75	-	-	-	255.0	125	9.87	33.931	3.06	26.16	186.4	.320	
78	11.08	33.577	4.12	-	-	-	232.5	150	9.65	34.010	2.80	26.26	177.1	.376	
98	10.54	33.765	3.44	-	-	-	209.6	200	9.08	34.124	2.16	26.44	159.8	.462	
118	9.96	33.904	3.11	-	-	-	189.8	250	8.62	34.166	1.90	26.55	149.7	.542	
143	9.74	33.983	2.92	-	-	-	180.5	300	8.16	34.203	1.41	26.64	140.3	.617	
173	9.36	34.088	2.39	-	-	-	166.7	400	7.19	34.252	.79	26.83	123.3	.754	
202	9.06	34.125	2.15	-	-	-	159.4	500	6.48	34.289	.47	26.95	111.4	.878	
232	8.78	34.154	2.08	-	-	-	153.0								
272	8.42	34.179	1.65	-	-	-	145.9								
330	7.88	34.228	1.19	-	-	-	134.5								
406	7.13	34.253	.76	-	-	-	122.4								
479	6.64	34.278	.53	-	-	-	114.2								
558	6.02	34.327	.33	-	-	-	102.9								
93.40 CALCCFI CRUISE 6612								93.40							
DAVID STARR JORDAN, DECEMBER 2 1966, 1143 GMT, 32 30N 118 11.5W, SOUNDING 1000 FM, WIND CALM, WEATHER FOG, SEA MISSING, WIRE ANGLE 06.															
0	17.00	33.535	5.72	-	-	-	352.7	0	17.00	33.535	5.72	24.41	352.7	C	
10	16.98	33.534	5.73	-	-	-	352.4	10	16.98	33.534	5.73	24.42	352.4	.035	
20	17.00K	33.54 G	-	-	-	-	352.4	20	17.00	33.540	5.76	24.42	352.4	.071	
30	17.00	33.536	5.77	-	-	-	352.7	30	17.00	33.536	5.77	24.41	352.7	.106	
40	15.14	33.388	5.73	-	-	-	323.3	50	13.13	33.347	5.46	25.11	286.5	.170	
51	12.96	33.345	5.43	-	-	-	283.3	75	11.60	33.475	4.59	25.50	249.0	.237	
65	12.18	33.424	4.91	-	-	-	263.1	100	10.87	33.628	3.98	25.75	225.3	.297	
78	11.44	33.491	4.50	-	-	-	245.1	125	10.20	33.789	3.37	25.99	202.1	.351	
98	10.94	33.614	4.04	-	-	-	227.4	150	9.86	33.921	2.99	26.15	187.0	.400	
118	10.32	33.751	3.51	-	-	-	207.0	200	9.19	34.108	2.34	26.41	162.6	.450	
143	9.96	33.880	3.08	-	-	-	191.6	250	8.68	34.169	1.87	26.54	150.4	.570	
173	9.54	34.039	2.72	-	-	-	173.2	300	8.07	34.167	1.66	26.63	141.8	.645	
204	9.14	34.114	2.29	-	-	-	161.4	400	7.25	34.236	.91	26.80	125.3	.785	
234	8.82	34.154	2.01	-	-	-	153.6	500	6.46	34.302	.38	26.96	110.2	.909	
273	8.46	34.180	1.70	-	-	-	146.4								
333	7.62	34.153	1.61	-	-	-	136.5								
408	7.22	34.248	.82	-	-	-	124.0								
482	6.59	34.293	.45	-	-	-	112.5								
559	6.09	34.324	.21	-	-	-	103.9								

INPUT								CLTPLY AT STANCARD LEVELS CF DEPTH							
Z	T	S	OXY	P-C	SIL	NIT	C*Y	Z	T	S	OXY	SIG*Y	C*Y	CC	
93.50								93.50							
CALCCFI CRUISE 6612															
DAVID STARR JORDAN, DECEMBER 2 1966, 1637 GMT, 32 10N 118 51.5W, SOUNDING 850 FM, WIND 300 FORCE 1, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 09.															
0	16.86	33.337	5.72	-	-	-	364.0	0	16.86	33.337	5.72	24.29	364.0	0	
10	16.80	33.337	5.80	-	-	-	362.7	10	16.80	33.337	5.80	24.31	362.7	.036	
20	16.69K	33.34 G	-	-	-	-	360.1	20	16.69	33.340	5.79	24.33	360.1	.073	
29	16.56	33.336	5.77	-	-	-	357.5	30	16.55	33.356	5.77	24.38	355.7	.108	
39	16.42	33.487	5.81	-	-	-	343.4	50	14.55	33.254	6.05	24.74	321.0	.176	
49	14.68	33.266	6.06	-	-	-	322.8	75	11.84	33.291	5.23	25.31	266.8	.250	
63	13.08	33.200	5.73	-	-	-	296.2	100	10.62	33.456	4.58	25.66	233.8	.313	
77	11.66	33.312	5.15	-	-	-	262.1	125	10.00	33.621	3.96	25.90	211.4	.369	
97	10.72	33.436	4.64	-	-	-	236.9	150	9.48	33.774	3.10	26.10	191.8	.421	
122	10.07	33.601	4.07	-	-	-	214.0	200	8.62	33.996	2.43	26.41	162.3	.511	
142	9.64	-	3.31	-	-	-	-	250	7.76	34.076	2.09	26.61	144.1	.589	
171	9.09	-	2.71	-	-	-	-	300	7.24	34.102	1.82	26.70	135.1	.661	
199	8.64	-	2.44	-	-	-	-	400	6.67	34.217	.78	26.87	119.1	.794	
228	8.03	34.071	2.23	-	-	-	148.3	500	5.98	34.286	.41	27.01	105.4	.912	
267	7.60	34.082	1.99	-	-	-	141.5								
325	7.00	34.124	1.66	-	-	-	130.3								
398	6.68	34.215	.79	-	-	-	119.4								
472	6.16	34.271	.47	-	-	-	108.8								
549	5.68	34.306	.37	-	-	-	100.4								

93.60		CALCGFI CRUISE 6612										93.60		
DAVID STARR JORDAN, DECEMBER 2 1966, 2256 GMT, 31 55N 119 37W, SOUNDING 1260 FM, WIND 240 FORCE 3, WEATHER DRIZZLE, SEA ROUGH, WIRE ANGLE 21.														
0	17.23	33.731	5.66	-	-	-	343.6	0	17.23	33.731	5.66	24.51	343.6	0
9	17.15	33.722	5.68	-	-	-	342.5	10	17.14	33.721	5.68	24.52	342.3	.034
28	17.06	33.704	5.69	-	-	-	341.8	20	17.08	33.714	5.69	24.53	341.5	.069
30	17.06K	33.70 G	-	-	-	-	342.1	30	17.06	33.700	5.70	24.52	342.1	.103
38	17.08	33.712	5.69	-	-	-	341.6	50	15.55	33.593	5.53	24.79	317.0	.169
51	15.35	33.581	5.49	-	-	-	313.6	75	10.85	33.540	3.96	25.69	231.4	.238
64	11.80	33.509	4.38	-	-	-	250.1	100	10.16	33.714	3.39	25.94	207.1	.253
75	10.85K	33.54 G	-	-	-	-	231.4	125	9.60	33.853	2.99	26.14	187.9	.343
89	10.50	33.632	3.69	-	-	-	218.7	150	9.14	33.960	2.62	26.30	172.8	.389
107	9.95	33.764	3.23	-	-	-	200.0	200	8.28	34.044	2.55	26.50	153.9	.472
125	9.60	33.853	2.99	-	-	-	187.9	250	7.76	34.106	1.87	26.63	142.0	.548
144	9.22	33.940	2.69	-	-	-	175.5	300	7.32	34.154	1.33	26.73	132.3	.619
171	8.85	34.010	2.47	-	-	-	164.8	400	6.42	34.209	.69	26.90	116.6	.748
201	8.26	34.045	2.55	-	-	-	153.5	500	5.79	34.318	.32	27.06	100.7	.863
227	7.96	34.082	2.12	-	-	-	146.5							
272	7.59	34.125	1.66	-	-	-	138.2							
322	7.10	34.175	1.09	-	-	-	127.9							
401	6.41	34.209	.69	-	-	-	116.5							
480	5.90	34.303	.33	-	-	-	103.2							
562	5.48	34.345	.29	-	-	-	95.2							

93.70								CALCCFI CRUISE 6612								93.70							
DAVID STARR JORDAN, DECEMBER 3 1966, 0429 GMT, 31 30N 120 12W, SOUNDING 2200 FM, WIND 230 FORCE 4, WEATHER MISSING, SEA MISSING, WIRE ANGLE 18.																							
0	16.98	33.325	5.70	-	-	-	367.6	0	16.98	33.325	5.70	24.26	367.6	0									
9	16.91	33.322	5.64	-	-	-	366.3	10	16.91	33.322	5.64	24.27	366.3	.037									
28	16.93	33.323	5.69	-	-	-	366.6	20	16.92	33.322	5.66	24.27	366.4	.073									
57	16.70	33.322	5.69	-	-	-	361.6	30	16.92	33.322	5.69	24.27	366.5	.110									
66	16.19	33.331	5.77	-	-	-	349.8	50	16.78	33.320	5.68	24.30	363.4	.163									
81	14.29	33.230	5.90	-	-	-	317.6	75	15.09	33.276	5.86	24.64	330.5	.271									
96	13.03	33.184	5.88	-	-	-	296.5	100	12.77	33.188	5.82	25.06	291.4	.345									
110	12.18	33.225	5.58	-	-	-	277.8	125	11.14	33.347	4.95	25.48	250.5	.417									
133	10.64	33.428	4.61	-	-	-	236.1	150	10.04	33.592	4.23	25.87	214.2	.476									
153	9.96	33.621	4.17	-	-	-	210.8	200	8.76	33.964	2.94	26.37	166.8	.573									
180	9.14	33.865	3.28	-	-	-	179.9	250	8.12	34.073	2.18	26.55	149.4	.654									
208	8.64	33.989	2.84	-	-	-	163.2	300	7.63	34.137	1.51	26.67	137.8	.728									
236	8.27	34.049	2.41	-	-	-	153.4	400	6.88	34.222	.80	26.84	121.5	.863									
282	7.81	34.117	1.69	-	-	-	141.8	500	6.22	34.286	.40	26.98	108.4	.985									
333	7.32	34.169	1.25	-	-	-	131.2																
414	6.80	34.231	.72	-	-	-	119.8																
496	6.24	34.283	.41	-	-	-	108.8																
578	5.80	34.336	.26	-	-	-	99.6																

INPUT								CUTPUT AT STANDARC LEVELS CF DEPTH							
Z	T	S	OXY	PHC	SIL	NIT	D*1	Z	T	S	CXY	SIG*1	C*1	CC	
93.80								93.80							
DAVID STARR JCRAN, DECEMBER 3 1966, 0944 GMT, 31 08N 12C 54W, SOUNDING 2200 FM, WIND 210 FORCE 5, WEATHER CLCLCY, SEA MISSING, WIRE ANGLE 12.															
1	17.25	33.335	5.63	-	-	-	372.9	C	17.25	33.335	5.63	24.2C	372.9	C	
11	17.24	33.333	5.74	-	-	-	372.9	10	17.25	33.333	5.73	24.20	373.1	.C37	
20	17.08K	33.34 G	-	-	-	-	368.7	20	17.08	33.340	5.75	24.24	368.7	.C74	
30	17.03K	33.34 G	-	-	-	-	367.6	30	17.03	33.340	5.75	24.26	367.6	.111	
50	17.01	33.338	5.73	-	-	-	367.3	50	17.01	33.338	5.73	24.26	367.3	.185	
83	14.58	33.250	6.07	-	-	-	321.9	75	15.33	33.271	6.02	24.59	335.8	.273	
103	12.86	33.250	5.81	-	-	-	288.4	100	13.09	33.244	5.87	25.04	293.2	.353	
117	12.22	33.332	5.53	-	-	-	270.6	125	11.67	33.364	5.27	25.40	258.5	.422	
137	10.86	33.425	4.86	-	-	-	240.0	150	10.30	33.550	4.52	25.79	221.5	.483	
156	10.10	33.614	4.35	-	-	-	213.5	200	8.88	33.916	3.61	26.31	172.2	.583	
176	9.48	33.786	3.56	-	-	-	191.0	250	8.19	34.042	2.67	26.51	152.8	.666	
204	8.80	33.931	3.64	-	-	-	169.9	300	7.43	34.054	2.41	26.64	141.2	.742	
233	8.42	34.014	3.00	-	-	-	158.1	400	6.31	34.113	1.61	26.83	122.4	.879	
258	8.08	34.050	2.55	-	-	-	150.6	500	5.75	34.215	.78	26.99	108.0	1.000	
293	7.55	34.056	2.45	-	-	-	142.8	600	5.33	34.284	.44	27.09	98.1	1.110	
337	6.83	34.051	2.16	-	-	-	133.6								
392	6.37	34.104	1.69	-	-	-	123.8								
474	5.86	34.196	.94	-	-	-	110.8								
564	5.48	34.260	.51	-	-	-	101.5								
639	5.18	34.309	.44	-	-	-	94.5								

93.90								93.90							
DAVID STARR JCRAN, DECEMBER 3 1966, 1534 GMT, 30 48N 121 34W, SOUNDING 2200 FM, WIND 230 FORCE 4, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 23.															
0	17.62	33.442	-	-	-	-	373.6	0	17.62	33.442		24.19	373.6	C	
10	17.62	33.452	-	-	-	-	372.8	10	17.62	33.452		24.20	372.8	.C37	
29	17.65	33.441	-	-	-	-	374.3	20	17.64	33.448		24.19	373.5	.C75	
56	17.64	33.443	-	-	-	-	374.0	30	17.65	33.447		24.19	373.9	.112	
65	15.96	33.297	-	-	-	-	347.3	50	17.64	33.470		24.21	372.1	.187	
78	13.96	33.169	-	-	-	-	315.5	75	14.38	33.193		24.73	322.1	.274	
98	11.74	33.092	-	-	-	-	279.7	100	11.58	33.086		25.20	277.3	.350	

93.100								93.100							
DAVID STARR JORDAN, DECEMBER 3 1966, 2026 GMT, 30 33N 122 11W, SOUNDING 2300 FM, WIND 210 FORCE 5, WEATHER EVERCAST, SEA VERY ROUGH, WIRE ANGLE 28.															
0	17.71	33.417	5.63	-	-	-	377.5	0	17.71	33.417	5.63	24.15	377.5	C	
8	17.71	33.416	5.60	-	-	-	377.5	10	17.71	33.416	5.60	24.15	377.5	.C38	
31	17.68	33.416	5.70A	-	-	-	376.8	20	17.70	33.415	5.63	24.15	377.3	.C76	
50	17.54K	33.42 G	-	-	-	-	373.3	30	17.68	33.416	5.69	24.16	376.9	.113	
56	17.44	33.420	5.96A	-	-	-	371.1	50	17.54	33.420	5.89	24.20	373.3	.189	
65	15.98	33.344	6.07	-	-	-	344.3	75	14.68	33.252	6.08	24.75	320.8	.276	
83	13.90	33.273	6.06	-	-	-	306.7	100	13.42	33.360	5.88	25.06	291.0	.353	
95	13.22	33.282	5.96	-	-	-	252.9	125	11.52	33.446	5.01	25.49	249.7	.421	
100	13.42K	33.36 G	-	-	-	-	291.0	150	9.97	33.673	3.94	25.94	207.1	.479	
109	13.06	33.434	5.67	-	-	-	278.7	200	9.15	33.908	4.07	26.26	176.9	.577	
132	10.80	33.451	4.67	-	-	-	237.1	250	8.19	34.009	3.47	26.49	155.2	.662	
148	10.04	33.653	3.95	-	-	-	209.7	300	7.40	34.029	2.78	26.62	142.7	.739	
170	9.48	33.822	4.12	-	-	-	188.3	400	6.31	34.101	1.43	26.83	123.2	.877	
198	9.19	33.901	4.07	-	-	-	178.0	500	5.58	34.209	.64	27.00	106.5	.957	
222	8.72	33.975	3.95	-	-	-	165.4								
266	7.91	34.016	3.16	-	-	-	150.7								
323	7.10	34.037	2.56	-	-	-	138.1								
413	6.20	34.115	1.25	-	-	-	120.9								
491	5.64	34.200	.68	-	-	-	107.9								
568	5.22	34.275	.46	-	-	-	97.5								

A) OXYGEN SAMPLES FOR 31 AND 56 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO BE IN THE CORRECT ORDER.

INPUT								CLUTPUT AT STANDARD LEVELS OF DEPTH							
Z	T	S	OXY	PHC	SIL	NIT	COT	Z	T	S	OXY	SIG*Y	COT	CC	
93.110								93.110							
DAVID STARR JORDAN, DECEMBER 4 1966, 0202 GMT, 30 09.5N 122 55W, SOUNDING 1950 FM, WIND 240 FORCE 4, WEATHER RAIN, SEA VERY ROUGH, WIRE ANGLE 17.															
1	17.62	33.354	5.66	-	-	-	380.0	0	17.62	33.354	5.66	24.13	380.0	0	
10	17.60	33.353	5.62	-	-	-	379.6	10	17.60	33.353	5.62	24.13	379.6	.038	
20	17.60K	33.35 G	-	-	-	-	379.8	20	17.60	33.350	5.63	24.13	379.8	.076	
30	17.60K	33.35 G	-	-	-	-	379.8	30	17.60	33.350	5.64	24.13	379.8	.114	
34	17.60	33.353	5.67	-	-	-	379.6	50	17.60	33.350	6.13	24.13	379.8	.150	
50	17.60K	33.35 G	-	-	-	-	379.8	75	13.09	33.192	5.95	25.00	297.1	.275	
62	14.68	33.223	6.31	-	-	-	325.9	100	11.86	33.317	5.38	25.33	265.2	.346	
72	13.34	33.183	6.03	-	-	-	302.4	125	10.42	33.499	4.49	25.73	227.2	.408	
91	12.24	33.284	5.55	-	-	-	274.5	150	9.84	33.757	4.41	26.03	198.8	.462	
106	11.58	33.342	5.23	-	-	-	258.5	200	8.88	33.950	3.24	26.34	169.7	.556	
120	10.62	33.445	4.59	-	-	-	234.5	250	8.01	34.019	3.27	26.52	151.9	.638	
149	9.86	33.750	4.40	-	-	-	199.6	300	7.31	34.090	2.09	26.68	137.0	.713	
167	9.54	33.857	4.45	-	-	-	186.6	400	6.69	34.205	.98	26.86	120.4	.847	
196	8.96	33.940	3.27	-	-	-	171.6	500	5.69	34.233	.78	27.01	106.0	.966	
229	8.36	34.007	3.32	-	-	-	157.8	600	5.13	34.304	.46	27.13	94.3	1.073	
260	7.85	34.023	3.18	-	-	-	149.3								
305	7.26	34.100	1.93	-	-	-	135.6								
369	7.02	34.204	1.14	-	-	-	124.6								
466	5.93	34.206	.84	-	-	-	110.8								
554	5.36	34.273	.63A	-	-	-	99.2								
628	5.02	34.322	.33A	-	-	-	91.7								

93.120								93.120							
DAVID STARR JORDAN, DECEMBER 4 1966, 0706 GMT, 29 49.5N 123 33.5W, SOUNDING 2200 FM, WIND 230 FORCE 5, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 25.															
0	17.88	33.483	5.62	-	-	-	376.6	0	17.88	33.483	5.62	24.16	376.6	C	
8	17.89	33.480	5.60	-	-	-	377.0	10	17.89	33.480	5.60	24.16	377.1	.038	
20	17.90K	33.48 G	-	-	-	-	377.3	20	17.90	33.480	5.59	24.15	377.3	.075	
31	17.90	33.481	5.60	-	-	-	377.2	30	17.90	33.481	5.60	24.15	377.2	.113	
50	17.90K	33.48 G	-	-	-	-	377.3	50	17.90	33.480	5.65	24.15	377.3	.189	
57	17.39	33.367	5.67	-	-	-	373.8	75	14.20	33.277	6.14	24.84	312.4	.276	
66	15.52	33.369	6.15	-	-	-	332.7	100	12.84	33.190	6.03	25.04	292.5	.352	
75	-	-	6.14G	-	-	-	-	125	12.54	33.480	5.38	25.33	265.5	.422	
85	13.29	33.171	6.12	-	-	-	302.4	150	10.83	33.585	4.85	25.72	227.8	.485	
99	12.84	33.183	6.06	-	-	-	293.0	200	8.94	33.923	4.01	26.31	172.5	.566	
100	12.84K	33.19 G	-	-	-	-	292.5	250	8.21	34.009	3.72	26.49	155.4	.670	
111	13.27	33.460	5.69	-	-	-	280.8	300	7.31	34.033	2.72	26.64	141.2	.747	
137	11.52	33.511	5.15	-	-	-	245.0	400	6.28	34.103	1.38	26.83	122.8	.864	
154	10.64	33.613	4.75	-	-	-	222.4	500	5.59	34.201	.58	26.99	107.2	1.005	
178	9.50	33.807	4.21	-	-	-	189.7								
206	8.84	33.945	4.00	-	-	-	169.4								
231	8.56	34.001	4.09	-	-	-	161.1								
272	7.76	34.018	3.16	-	-	-	148.5								
327	6.94	34.049	2.36	-	-	-	135.2								
415	6.18	34.116	1.21	-	-	-	120.6								
495	5.62	34.196	.61	-	-	-	107.9								
564	5.35	34.272	.39	-	-	-	99.2								

93.130								93.130							
DAVID STARR JORDAN, DECEMBER 4 1966, 1215 GMT, 29 28.5N 124 11.5W, SOUNDING 2450 FM, WIND 250 FORCE 5, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 28.															
1	18.48	33.761	5.54	-	-	-	370.4	0	18.48	33.761	5.54	24.23	370.4	0	
9	18.49	33.774	5.49	-	-	-	369.7	10	18.52	33.787	5.49	24.24	369.4	.037	
20	18.80K	33.92 G	-	-	-	-	366.5	20	18.80	33.920	5.47	24.27	366.5	.074	
31	18.86	33.943	5.49	-	-	-	366.2	30	18.86	33.941	5.49	24.27	366.3	.111	
40	18.88	33.957	5.51	-	-	-	365.7	50	18.85	33.961	5.59	24.29	364.6	.184	
53	18.83	33.958	5.64	-	-	-	364.4	75	16.62	33.890	6.01	24.77	318.4	.270	
67	16.90	33.886	6.04	-	-	-	324.9	100	16.00	34.000	5.65	25.00	296.7	.347	
75	16.62K	33.89 G	-	-	-	-	318.4	125	15.71	34.203	5.52	25.22	275.7	.420	
89	16.20	33.912	5.79	-	-	-	307.6	150	13.90	34.034	5.24	25.48	250.8	.487	
106	15.92	34.059	5.59	-	-	-	290.8	200	10.14	33.810	4.62	26.02	199.7	.601	
124	15.75	34.203	5.53	-	-	-	276.6	250	9.07	33.969	4.24	26.32	171.1	.696	
148	14.12	34.063	5.25	-	-	-	253.1	300	8.13	34.011	3.68	26.50	154.2	.780	
173	11.40	33.741	5.06	-	-	-	225.9	400	6.63	34.041	2.31	26.74	131.7	.928	
207	9.99	33.860	4.51	-	-	-	193.6	500	5.67	34.119	1.14	26.92	114.2	1.057	
231	9.47	33.929	4.39	-	-	-	180.2								
272	8.63	34.001	4.02	-	-	-	162.2								
330	7.64	34.020	3.28	-	-	-	146.7								
416	6.43	34.048	2.09	-	-	-	128.8								
498	5.68	34.117	1.16	-	-	-	114.6								
568	5.26	34.196	.75	-	-	-	103.8								

A) OXYGEN SAMPLES AT 554 AND 628 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO BE IN THE CORRECT ORDER.

INPUT								CLTPLT AT STANCARC LEVELS CF DEPTH									
Z	T	S	CXY	P+D	SIL	NIT	D+T	Z	T	S	CXY	SIG+T	C+T	CC			
94.139								CALCOFI CRUISE 6612								94.139	
DAVID STARR JCRCAN, DECEMBER 4 1966, 1712 GMT, 29 09N 124 47W, SOUNDING 230C FM, WIND 220 FORCE 4, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 28.																	
C	19.02	34.017	5.44	-	-	-	364.7	0	19.02	34.017	5.44	24.29	364.7	C			
8	19.02	34.020	5.47	-	-	-	364.5	10	19.02	34.020	5.47	24.29	364.5	.C36			
30	19.02	34.018	5.49	-	-	-	364.6	20	19.02	34.020	5.48	24.29	364.5	.C73			
50	19.02K	33.02 G	-	-	-	-	437.1	30	19.02	34.018	5.49	24.29	364.6	.110			
56	19.02	34.021	5.50	-	-	-	364.4	50	19.02	33.020	5.50	23.53	437.1	.150			
65	18.64	34.014	5.63	-	-	-	355.8	75	16.92	33.930	5.77	24.73	322.2	.285			
75	16.92K	33.93 G	-	-	-	-	322.2	100	16.08	34.033	5.83	25.01	296.1	.363			
85	16.42	33.928	5.86	-	-	-	311.2	125	15.45	34.108	5.49	25.20	277.2	.436			
98	16.14	34.027	5.85	-	-	-	297.9	150	14.52	34.148	5.25	25.44	254.9	.503			
110	15.76	34.053	5.71	-	-	-	287.8	200	10.79	33.876	4.41	25.96	205.6	.621			
135	15.20	34.139	5.36	-	-	-	269.6	250	9.66	34.041	4.47	26.28	174.9	.718			
152	14.40	34.145	5.23	-	-	-	252.7	300	8.63	34.066	3.21	26.47	157.4	.804			
177	12.00	33.880	4.72	-	-	-	226.3	400	6.85	34.046	2.49	26.71	134.2	.955			
210	10.49	33.918	4.38	-	-	-	197.4	500	5.71	34.110	1.21	26.91	115.5	1.066			
235	10.04	34.040	4.84	-	-	-	181.0										
277	8.98	34.047	3.52	-	-	-	164.0										
333	8.20	34.089	2.98	-	-	-	145.4										
420	6.46	34.033	2.32	-	-	-	130.2										
499	5.72	34.109	1.22	-	-	-	115.6										
567	5.34	34.183	.93	-	-	-	105.7										

INPUT								CLTPLT AT STANCARC LEVELS CF DEPTH									
Z	T	S	CXY	P+D	SIL	NIT	D+T	Z	T	S	CXY	SIG+T	C+T	CC			
96.31								CALCOFI CRUISE 6612								96.31	
ALEXANDER AGASSIZ, DECEMBER 2 1966, 2315 GMT, 32 24N 117 20W, SOUNDING 390 FM, WIND 250 FORCE 2, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 08.A)																	
0	16.13	33.458	5.89	-	-	-	339.2	0	16.13	33.458	5.89	24.55	339.2	0			
10	15.82	33.447	5.95	-	-	-	333.3	10	15.82	33.447	5.95	24.61	333.3	.034			
20	15.43	33.433	5.91	-	-	-	326.1	20	15.43	33.433	5.91	24.69	326.1	.067			
30	14.55	33.401	5.77	-	-	-	310.3	30	14.55	33.401	5.77	24.86	310.3	.099			
40	13.32	33.377	5.44	-	-	-	287.8	50	12.44	33.399	5.07	25.28	269.7	.157			
50	12.44	33.399	5.07	-	-	-	269.7	75	11.51	33.557	4.21	25.58	241.5	.221			
60	11.98	33.451	4.69	-	-	-	257.5	100	10.82	33.649	3.98	25.78	222.8	.280			
70	11.70	33.550	4.32	-	-	-	245.3	125	10.06	33.740	3.66	25.98	203.5	.333			
80	11.32	33.566	4.13	-	-	-	237.5	150	9.99	33.968	2.86	26.17	185.5	.383			
89	11.00	33.601	4.01	-	-	-	229.4										
99	10.83	33.645	4.01	-	-	-	223.3										
109	10.69	33.684	3.72	-	-	-	218.0										
119	10.32	33.713	3.64	-	-	-	209.8										
129	9.92	33.766	3.65	-	-	-	199.4										
139	9.96	33.883	-	-	-	-	191.4										
149	9.99	33.966	2.86	-	-	-	185.7										
159	9.90	33.994	2.82	-	-	-	182.2										
168	-	34.030	2.65	-	-	-	-										

INPUT								CLTPLT AT STANCARC LEVELS CF DEPTH									
Z	T	S	CXY	P+D	SIL	NIT	D+T	Z	T	S	CXY	SIG+T	C+T	CC			
97.35								CALCOFI CRUISE 6612								97.35	
ALEXANDER AGASSIZ, DECEMBER 3 1966, 0449 GMT, 32 05.5N 117 28W, SOUNDING 658 FM, WIND 220 FORCE 2, WEATHER MISSING, SEA MISSING, WIRE ANGLE 07.																	
0	17.08	33.537	5.57	-	-	-	354.4	0	17.08	33.537	5.57	24.39	354.4	0			
10	17.04	33.537	5.66	-	-	-	353.5	10	17.04	33.537	5.66	24.40	353.5	.035			
30	16.78	33.503	5.63	-	-	-	350.2	20	16.93	33.523	5.63	24.42	352.0	.071			
40	14.93	33.320	5.82	-	-	-	323.9	30	16.78	33.503	5.63	24.44	350.2	.106			
50	13.23	33.184	5.53	-	-	-	300.3	50	13.23	33.184	5.53	24.96	300.3	.171			
65	12.28	33.163	5.45	-	-	-	284.2	75	11.76	33.254	5.23	25.30	268.1	.243			
80	11.50	33.314	5.09	-	-	-	259.2	100	10.33	33.509	4.53	25.75	225.1	.305			
99	10.37	33.499	-	-	-	-	226.4	125	9.84	33.764	3.68	26.04	198.2	.358			
124	9.84	33.753	3.72	-	-	-	199.1	150	9.79	33.991	2.78	26.22	180.8	.406			
144	9.86	33.955	2.91	-	-	-	184.4	200	8.60	34.024	2.78	26.44	160.0	.493			
173	9.36	34.056	2.57	-	-	-	169.1	250	8.11	34.073	2.35	26.55	149.3	.572			
203	8.52	34.019	2.80	-	-	-	159.2	300	7.50	34.081	2.13	26.65	140.2	.647			
233	8.30	34.071	2.45	-	-	-	152.2	400	6.97	34.238	.79	26.84	121.4	.783			
273	7.82	34.076	2.26	-	-	-	145.0	500	6.29	34.288	.42	26.97	109.1	.905			
333	7.17	34.101	1.89	-	-	-	134.3										
407	6.94	34.253	.72	-	-	-	119.9										
482	6.39	34.287	.47	-	-	-	110.4										
562	6.04	34.272	1.05U	-	-	-	107.2										

A) SHAKEDOWN STATION.

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	STG*T	D*T	CO			
97.40								CALCOFI CRUISE 6612								97.40	
ALEXANDER AGASSIZ, DECEMBER 3 1966, 0847 GMT, 31 56N 117 46W, SOUNDING 714 FM, WIND 240 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 08.																	
0	16.96	33.499	5.72	-	-	-	354.5	0	16.96	33.499	5.72	24.39	354.5	0			
10	16.93	33.499	5.70	-	-	-	353.8	10	16.93	33.499	5.70	24.40	353.8	.035			
20	16.94K	33.50 G	-	-	-	-	353.9	20	16.94	33.500	5.70	24.40	353.9	.071			
30	16.94	33.501	5.71	-	-	-	353.9	30	16.94	33.501	5.71	24.40	353.9	.106			
40	15.38	33.515U	6.23	-	-	-	319.0	50	14.42	33.289	5.92	24.80	315.8	.174			
50	14.42	33.289	5.92	-	-	-	315.8	75	12.23	33.204	5.56	25.17	280.3	.248			
64	12.89	33.241	5.79	-	-	-	289.7	100	10.84	33.340	4.53	25.53	245.9	.315			
79	12.05	33.199	5.44	-	-	-	277.4	125	9.90	33.469	3.86	25.80	221.0	.374			
99	10.89	33.336	4.56	-	-	-	247.1	150	9.51	33.670	3.47	26.02	200.0	.427			
123	9.94	33.451	3.90	-	-	-	223.0	200	8.60	33.910	3.17	26.35	168.5	.521			
143	9.62	33.634	3.56	-	-	-	204.4	250	8.04	34.013	2.67	26.51	152.8	.603			
172	9.14	33.757	3.27	-	-	-	187.9	300	7.44	34.048	2.08	26.63	141.9	.679			
201	8.58	33.915	3.17	-	-	-	167.8	400	6.67	34.108	.90	26.78	127.4	.819			
231	8.26	33.992	2.89	-	-	-	157.5	500	6.00	34.238	.59	26.97	109.3	.943			
271	7.80	34.026	2.42	-	-	-	148.4										
329	7.12	34.067	1.74	-	-	-	136.2										
403	6.66	34.110	.87	-	-	-	127.0										
478	6.12	34.212	.65	-	-	-	112.7										
558	5.79	34.298	.46	-	-	-	102.3										
97.50								CALCOFI CRUISE 6612								97.50	
ALEXANDER AGASSIZ, DECEMBER 3 1966, 1520 GMT, 31 33N 118 30.5W, SOUNDING 1300 FM, WIND 230 FORCE 4, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 18.																	
0	17.70	33.507	5.64	-	-	-	370.7	0	17.70	33.507	5.64	24.22	370.7	0			
9	17.69	33.504	5.58	-	-	-	370.7	10	17.69	33.504	5.58	24.22	370.7	.037			
20	17.70K	-	-	-	-	-	-	20	17.70	33.503	5.56	24.22	370.9	.074			
31	17.70	33.503	5.57	-	-	-	371.0	30	17.71	33.503	5.57	24.22	371.2	.111			
58	15.21	33.331	-	-	-	-	328.9	50	15.99	33.382	5.73	24.53	341.8	.183			
68	14.96	33.317	5.98	-	-	-	324.8	75	14.34	33.363	6.10	24.87	308.9	.265			
77	14.16	33.379	6.12	-	-	-	304.0	100	13.35	33.483	5.42	25.17	280.6	.339			
95	13.73	33.473	5.57	-	-	-	288.7	125	11.95	33.557	4.73	25.50	249.3	.406			
109	12.62	33.497	5.15	-	-	-	265.8	150	10.94	33.684	4.20	25.78	222.2	.466			
132	11.74	33.590	4.57	-	-	-	243.0	200	9.16	33.945	3.57	26.29	174.3	.567			
150	10.94	33.684	4.20	-	-	-	222.2	250	8.38	34.036	2.95	26.48	155.9	.651			
177	9.92	33.913	3.38	-	-	-	188.5	300	7.80	34.095	2.13	26.61	143.2	.728			
204	9.05	33.951	3.62	-	-	-	172.1	400	6.83	34.213	.87	26.84	121.5	.866			
231	8.59	34.011	3.21	-	-	-	160.8	500	6.21	34.269	.52	26.97	109.5	.988			
278	8.10	34.064	2.54	-	-	-	149.8										
328	7.42	34.135	1.62	-	-	-	135.1										
407	6.79	34.219	.83	-	-	-	120.5										
488	6.28	34.263	.55	-	-	-	110.8										
569	5.82	34.304	.41	-	-	-	102.2										
97.60								CALCOFI CRUISE 6612								97.60	
ALEXANDER AGASSIZ, DECEMBER 3 1966, 2127 GMT, 31 14N 119 08.5W, SOUNDING 1960 FM, WIND 220 FORCE 4, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 30.																	
1	17.86	33.481	5.53	-	-	-	376.3	0	17.86	33.481	5.53	24.16	376.3	0			
9	17.82	33.482	5.54	-	-	-	375.3	10	17.82	33.482	5.54	24.18	375.2	.038			
27	17.82	33.482	5.55	-	-	-	375.3	20	17.82	33.483	5.55	24.18	375.1	.075			
52	17.72	33.463	5.57	-	-	-	374.3	30	17.81	33.480	5.55	24.18	375.2	.113			
61	16.10	33.348	5.93	-	-	-	346.6	50	17.73	33.473	5.57	24.19	373.8	.188			
74	14.92	33.335	6.01	-	-	-	322.6	75	14.84	33.335	6.02	24.75	320.9	.275			
86	14.04	33.362	6.02	-	-	-	302.9	100	13.26	33.454	5.49	25.16	281.0	.351			
98	13.38	33.447	5.53	-	-	-	283.8	125	11.69	33.592	4.30	25.57	242.0	.417			
116	12.25	33.485	5.02	-	-	-	259.9	150	10.64	33.831	3.26	25.95	206.4	.474			
132	11.30	33.686	3.74	-	-	-	228.3	200	9.88	34.010	2.78	26.22	180.7	.572			
154	10.54	33.854	3.18	-	-	-	203.0	250	8.72	34.097	2.56	26.48	156.4	.659			
178	10.09	33.950	2.95	-	-	-	188.5	300	7.84	34.090	2.31	26.60	144.3	.737			
201	9.87	34.012	2.77	-	-	-	180.4	400	6.98	34.225	.95	26.83	122.6	.876			
241	8.93	34.099	2.58	-	-	-	159.4	500	6.16	34.265	.61	26.97	109.3	.998			
286	8.00	34.077	2.49	-	-	-	147.4										
356	7.40	34.168	1.43	-	-	-	132.4										
430	6.72	34.250	.73	-	-	-	117.3										
506	6.12	34.266	.60	-	-	-	108.6										

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	UXY	PHO	SIL	NIT	D*T	Z	T	S	UXY	SIG*T	D*T	DD			
97.70								CALCOFI CRUISE 6612								97.70	
ALEXANDER AGASSIZ, DECEMBER 4 1966, 0429 GMT, 30 55N 119 50.5W, SOUNDING 1920 FM, WIND 230 FORCE 4, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 12.																	
0	18.19	33.585	5.48	-	-	-	376.4	0	18.19	33.585	5.48	24.16	376.4	0			
10	18.18	33.583	5.48	-	-	-	376.3	10	18.18	33.583	5.48	24.16	376.3	.038			
35	17.59	33.487	5.59	-	-	-	369.6	20	17.94	33.544	5.53	24.19	373.6	.075			
44	17.58	33.485	5.57	-	-	-	369.5	30	17.71	33.506	5.57	24.22	370.9	.112			
59	15.65	33.354	5.98	-	-	-	336.5	50	16.91	33.430	5.74	24.35	358.4	.186			
74	14.43	33.427	5.74	-	-	-	305.9	75	14.32	33.431	5.69	24.93	303.4	.269			
98	11.98	33.532	4.53	-	-	-	251.6	100	11.85	33.542	4.45	25.51	248.5	.338			
118	10.90	33.646	3.89	-	-	-	224.4	125	10.57	33.702	3.80	25.86	214.7	.397			
137	10.10	33.799	3.70	-	-	-	199.8	150	9.81	33.886	3.47	26.14	188.7	.448			
167	9.56	33.969	3.19	-	-	-	178.7	200	9.08	34.025	3.08	26.36	167.1	.539			
197	9.10	34.014	3.14	-	-	-	168.2	250	8.42	34.122	2.26	26.54	150.1	.620			
237	8.73	34.132	2.28	-	-	-	153.9	300	7.74	34.129	1.91	26.65	139.9	.655			
266	8.04	34.103	2.23	-	-	-	146.1	400	6.96	34.243	.83	26.85	121.0	.831			
316	7.67	34.151	1.71	-	-	-	137.3	500	6.29	34.295	.51	26.98	108.6	.952			
379	7.04	34.216	.98	-	-	-	124.0	600	5.31	34.291	.44	27.10	97.3	1.062			
480	6.63	34.314	.52	-	-	-	111.4										
570	5.48	34.276	.47	-	-	-	100.3										
644	5.25	34.338	.39	-	-	-	93.1										
97.80								CALCOFI CRUISE 6612								97.80	
ALEXANDER AGASSIZ, DECEMBER 4 1966, 1015 GMT, 30 34N 120 32.5W, SOUNDING 2024 FM, WIND 250 FORCE 5, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 14.																	
0	17.88	33.540	5.56	-	-	-	372.4	0	17.88	33.540	5.56	24.20	372.4	0			
10	17.88	33.538	5.51	-	-	-	372.6	10	17.88	33.538	5.51	24.20	372.6	.037			
20	17.88K	-	-	-	-	-	-	20	17.88	33.538	5.51	24.20	372.6	.075			
30	17.88K	-	-	-	-	-	-	30	17.88	33.537	5.52	24.20	372.6	.112			
35	17.88	33.537	5.53	-	-	-	372.6	50	16.30	33.437	5.72	24.50	344.4	.184			
64	14.72	33.349	5.97	-	-	-	317.5	75	14.65	33.343	6.16	24.79	316.4	.267			
74	14.69	33.342	6.17	-	-	-	317.4	100	12.88	33.417	5.26	25.21	276.5	.342			
94	13.34	33.382	5.56	-	-	-	287.8	125	11.24	33.659	3.96	25.71	229.3	.405			
109	12.20	33.488	4.77	-	-	-	258.8	150	10.83	33.831	3.20	25.92	209.6	.461			
124	11.27	33.650	4.00	-	-	-	230.4	200	9.37	33.979	3.20	26.28	175.0	.559			
154	10.76	33.850	3.14	-	-	-	206.9	250	8.46	34.079	2.54	26.50	153.9	.643			
173	10.23	33.932	3.10	-	-	-	192.1	300	7.77	34.127	1.92	26.64	140.4	.719			
203	9.28	33.982	3.20	-	-	-	173.4	400	6.72	34.213	.99	26.86	120.1	.855			
237	8.69	34.062	2.68	-	-	-	158.5	500	6.16	34.304	.51	27.00	106.3	.974			
267	8.17	34.095	2.37	-	-	-	148.5	600	5.67	34.362	.41	27.11	96.1	1.083			
316	7.60	34.142	1.71	-	-	-	137.0										
380	6.89	34.196	1.15	-	-	-	123.5										
479	6.20	34.279	.54	-	-	-	108.7										
569	5.88	34.358	.43	-	-	-	98.9										
642	5.30	34.368	.39	-	-	-	91.4										
100.30								CALCOFI CRUISE 6612								100.30	
ALEXANDER AGASSIZ, DECEMBER 5 1966, 2110 GMT, 31 40.5N 116 46.5W, SOUNDING 220 FM, WIND 170 FORCE 3, WEATHER DRIZZLE, SEA MODERATE, WIRE ANGLE 29.																	
1	14.69	33.364	6.08	-	-	-	315.8	0	14.69	33.364	6.08	24.80	315.8	0			
9	-	33.364	6.11	-	-	-	-	10	14.50	33.350	6.08	24.83	313.0	.031			
10	14.50K	33.35 G	-	-	-	-	313.0	20	13.65	33.430	5.74	25.07	290.3	.062			
20	13.65K	33.43 G	-	-	-	-	290.3	30	13.60	33.444	5.35	25.09	288.2	.091			
27	13.65	33.439	5.43	-	-	-	289.6	50	13.07	33.492	4.74	25.23	274.6	.147			
40	13.33	33.466	5.10	-	-	-	281.5	75	12.21	33.607	3.70	25.49	250.3	.213			
53	12.98	33.503	4.61	-	-	-	272.1	100	11.80	33.680	3.45	25.62	237.5	.275			
66	12.38	33.581	3.82	-	-	-	255.2	125	11.17	33.786	3.12	25.82	218.6	.332			
80	12.16	33.617	3.64	-	-	-	248.6	150	10.47	33.902	2.89	26.03	198.4	.385			
96	11.90	33.662	3.51	-	-	-	240.6	200	9.29	34.107	2.22	26.39	164.2	.478			
118	11.32	33.767	3.17	-	-	-	222.6	250	8.79	34.158	1.87	26.51	152.8	.559			
143	10.75	33.846	3.04	-	-	-	207.1	300	8.25	34.191	1.54	26.62	142.6	.635			
175	9.56	34.088	2.33	-	-	-	169.9										
205	9.24	34.111	2.20	-	-	-	163.2										
240	8.88	34.148	1.95	-	-	-	155.0										
280	8.48	34.181	1.66	-	-	-	146.6										
317	8.04	34.195	1.45	-	-	-	139.2										

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			
100.35								CALCOFI CRUISE 6612								100.35	
ALEXANDER AGASSIZ, DECEMBER 5 1966, 1755 GMT, 31 28N 117 08W, SOUNDING 524 FM, WIND 200 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 13.																	
0	17.12	33.518	5.66	-	-	-	356.7	0	17.12	33.518	5.66	24.37	356.7	0			
10	17.10	33.516	5.65	-	-	-	356.4	10	17.10	33.516	5.65	24.37	356.4	.036			
29	15.92	33.513	5.87	-	-	-	330.6	20	16.87	33.514	5.77	24.43	351.3	.071			
38	13.71	33.238	5.83	-	-	-	305.5	30	15.67	33.482	5.87	24.67	327.7	.105			
53	12.36	33.198	5.62	-	-	-	203.0	50	12.49	33.199	5.68	25.12	285.4	.167			
68	11.50	33.332	5.11	-	-	-	257.8	75	11.48	33.406	4.81	25.47	252.0	.234			
92	11.42	33.565	4.18	-	-	-	239.3	100	11.25	33.606	4.03	25.67	233.3	.295			
111	10.94	33.657	3.87	-	-	-	224.2	125	10.45	33.760	3.57	25.93	208.4	.351			
131	10.24	33.806	3.45	-	-	-	201.6	150	9.82	33.926	3.18	26.16	186.0	.401			
150	9.82	33.926	3.18	-	-	-	186.0	200	9.20	34.100	2.52	26.40	163.4	.490			
180	9.50	34.048	2.76	-	-	-	171.9	250	8.93	34.239	1.73	26.55	148.9	.570			
213	9.04	34.132	2.35	-	-	-	158.6	300	8.06	34.208	1.49	26.66	138.6	.645			
242	9.04	34.237	1.80	-	-	-	150.8	400	6.99	34.236	.90	26.84	121.9	.781			
291	8.18	34.206	1.55	-	-	-	140.4	500	6.28	34.291	.54	26.98	108.8	.903			
345	7.56	34.226	1.19	-	-	-	130.2	600	5.77	34.347	.41	27.09	98.4	1.013			
427	6.75	34.243	.78	-	-	-	118.2										
511	6.22	34.298	.51	-	-	-	107.5										
594	5.80	34.344	.42	-	-	-	99.0										

100.40				CALCOFI CRUISE 6612												100.40			
ALEXANDER AGASSIZ, DECEMBER 5 1966, 1423 GMT, 31 19N 117 27.5W, SOUNDING 1079 FM, WIND 210° FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 19.																			
0	16.98	33.369	5.64	-	-	-	364.4	0	16.98	33.369	5.64	24.29	364.4	0					
10	16.98	33.368	5.70	-	-	-	364.5	10	16.98	33.368	5.70	24.29	364.5	.036					
29	16.68	33.442	5.72	-	-	-	352.4	20	16.85	33.437	5.71	24.37	356.6	.073					
38	15.24	33.275	5.99	-	-	-	333.7	30	16.53	33.424	5.75	24.44	350.5	.108					
53	13.44	33.196	5.90	-	-	-	303.4	50	13.74	33.207	5.96	24.88	308.4	.174					
68	12.46	33.215	5.51	-	-	-	283.6	75	11.92	33.245	5.39	25.26	271.6	.247					
92	10.95	33.390	4.91	-	-	-	244.1	100	10.97	33.522	4.37	25.65	234.7	.311					
111	11.10	33.697	3.65	-	-	-	224.0	125	10.88	33.792	3.29	25.88	213.3	.367					
130	10.75	33.809	3.24	-	-	-	209.8	150	10.02	33.859	3.21	26.08	194.1	.419					
149	10.04	33.853	3.23	-	-	-	194.9	200	9.30	34.083	2.61	26.37	166.2	.511					
177	9.69	34.029	2.70	-	-	-	176.3	250	8.89	34.128	2.20	26.47	156.5	.594					
210	9.15	34.092	2.56	-	-	-	163.2	300	8.27	34.157	1.84	26.59	145.2	.672					
239	8.97	34.120	2.27	-	-	-	158.4	400	7.00	34.219	.96	26.83	123.2	.812					
287	8.49	34.150	1.97	-	-	-	149.0	500	6.24	34.292	.50	26.98	108.2	.934					
339	7.58	34.180	1.43	-	-	-	133.9	600	5.70	34.353	.36	27.10	97.0	1.044					
421	6.86	34.234	.83	-	-	-	120.3												
503	6.22	34.294	.49	-	-	-	107.8												
585	5.76	34.345	.38	-	-	-	98.4												

100.50							CALCOFI CRUISE 6612							100.50		
ALEXANDER AGASSIZ, DECEMBER 5 1966, 0839 GMT, 30 56.5N 118 06W, SOUNDING 900 FM, WIND 220 FORCE 3, WEATHER OVERCAST, SEA ROUGH, WIRE ANGLE 13.																
0	17.36	33.378	5.58	-	-	-	372.3	0	17.36	33.378	5.58	24.21	372.3	0		
10	17.33	33.376	5.60	-	-	-	371.8	10	17.33	33.376	5.60	24.21	371.8	.037		
30	17.32	33.376	5.61	-	-	-	371.5	20	17.32	33.384	5.61	24.22	371.1	.074		
38	16.90	33.340	5.73	-	-	-	364.7	30	17.32	33.376	5.61	24.21	371.5	.112		
53	15.57	33.351	5.98	-	-	-	335.0	50	15.84	33.344	5.94	24.53	341.3	.183		
67	14.90	33.377	5.97	-	-	-	319.2	75	13.10	33.290	5.83	25.07	290.0	.262		
75	13.10K	33.29 G	-	-	-	-	290.0	100	11.81	33.347	5.02	25.36	262.2	.332		
91	12.16	33.283	5.37	-	-	-	273.2	125	11.33	33.607	3.91	25.65	234.6	.395		
111	11.52	33.458	4.54	-	-	-	248.9	150	10.76	33.807	3.24	25.91	210.1	.451		
130	11.27	33.658	3.71	-	-	-	229.8	200	9.02	33.920	3.57	26.29	174.0	.549		
150	10.76	33.807	3.24	-	-	-	210.1	250	8.35	34.024	2.91	26.48	156.4	.634		
180	9.50	33.846	3.83	-	-	-	186.8	300	7.74	34.064	2.42	26.60	144.8	.711		
214	8.80	33.973	3.28	-	-	-	166.8	400	6.65	34.149	1.21	26.82	124.0	.851		
243	8.44	34.018	2.97	-	-	-	158.1	500	6.33	34.292	.50	26.97	109.2	.974		
292	7.84	34.054	2.54	-	-	-	146.9	600	5.72	34.354	.29	27.10	97.2	1.084		
346	7.21	34.119	1.69	-	-	-	133.5									
430	6.42	34.168	1.02	-	-	-	119.7									
513	6.28	34.308	.44	-	-	-	107.5									
595	5.76	34.352	.30	-	-	-	97.9									

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHU	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
100.60								CALCOFI CRUISE 6612								100.60	
ALEXANDER AGASSIZ, DECEMBER 5 1966, 0333 GMT, 30 38N 118 47W, SOUNDING 1660 FM, WIND 230 FORCE 4, WEATHER MISSING, SEA ROUGH, WIRE ANGLE 17.																	
0	17.94	33.553	5.51	-	-	-	372.9	0	17.94	33.553	5.51	24.20	372.9	0			
9	17.92	33.552	5.52	-	-	-	372.5	10	17.92	33.552	5.52	24.20	372.5	.037			
28	17.90	33.547	5.52	-	-	-	372.4	20	17.91	33.549	5.51	24.21	372.4	.075			
30	17.89K	-	-	-	-	-	-	30	17.89	33.530	5.57	24.19	373.4	.112			
58	14.66	33.318	6.02	-	-	-	318.6	50	15.89	33.375	5.94	24.54	340.1	.184			
67	13.57	33.319	5.83	-	-	-	296.9	75	12.78	33.355	5.45	25.18	279.2	.261			
81	12.32	33.402	5.09	-	-	-	267.3	100	11.70	33.613	3.89	25.59	240.7	.327			
95	11.62	33.571	4.14	-	-	-	245.9	125	11.31	33.802	2.82	25.81	219.8	.385			
110	11.52	33.684	3.47	-	-	-	232.2	150	11.04	33.929	2.13	25.95	206.8	.439			
133	11.22	33.858	2.53	-	-	-	214.2	200	10.43	34.048	2.09	26.16	186.8	.539			
152	11.08	33.935	2.10	-	-	-	206.1	250	10.01	34.177	1.94	26.33	170.4	.631			
180	10.82	33.996	1.93	-	-	-	197.2	300	9.56	34.304	1.36	26.50	153.9	.715			
208	10.28	34.069	2.16	-	-	-	182.8	400	7.92	34.267	1.05	26.73	132.2	.865			
236	10.12	34.137	2.06	-	-	-	175.2	500	6.99	34.303	.57	26.89	117.0	.996			
283	9.71	34.267	1.57	-	-	-	159.0	600	5.99	34.332	.50	27.05	102.1	1.114			
334	9.20	34.349	1.00	-	-	-	144.9										
415	7.63	34.242	1.09	-	-	-	130.0										
497	7.02	34.301	.58	-	-	-	117.4										
580	6.21	34.330	.51	-	-	-	105.0										
100.70								CALCOFI CRUISE 6612								100.70	
ALEXANDER AGASSIZ, DECEMBER 4 1966, 2105 GMT, 30 20N 119 27.5W, SOUNDING 2058 FM, WIND 220 FORCE 3, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 21.																	
0	17.42	33.332	5.60	-	-	-	377.0	0	17.42	33.332	5.60	24.16	377.0	0			
10	17.36	33.326	5.58	-	-	-	376.1	10	17.36	33.326	5.58	24.17	376.1	.038			
28	17.34	33.330	5.65	-	-	-	375.3	20	17.35	33.328	5.61	24.17	375.7	.075			
30	17.33K	-	-	-	-	-	-	30	17.33	33.329	5.66	24.18	375.2	.113			
56	16.44	33.305	5.87	-	-	-	357.1	50	16.82	33.312	5.81	24.28	365.0	.187			
65	15.54	33.297	6.00	-	-	-	338.3	75	14.77	33.393	6.00	24.80	315.4	.273			
79	14.48	33.429	5.98	-	-	-	306.8	100	12.71	33.402	5.29	25.23	274.4	.347			
93	13.21	33.353	5.69	-	-	-	287.5	125	11.19	33.596	4.18	25.67	233.0	.411			
106	12.32	33.462	4.91	-	-	-	262.9	150	10.17	33.825	3.47	26.03	199.1	.466			
128	11.04	33.619	4.09	-	-	-	228.7	200	8.86	33.975	3.39	26.36	167.5	.559			
145	10.36	33.794	3.50	-	-	-	204.4	250	8.23	34.045	2.80	26.51	153.0	.641			
171	9.49	33.906	3.54	-	-	-	182.2	300	7.38	34.063	2.28	26.65	139.9	.717			
197	8.89	33.969	3.42	-	-	-	168.4	400	6.41	34.163	1.03	26.86	120.0	.852			
223	8.68	34.017	3.11	-	-	-	161.7	500	5.85	34.254	.55	27.00	106.3	.971			
267	7.90	34.055	2.61	-	-	-	147.7										
317	7.14	34.068	2.10	-	-	-	136.4										
394	6.46	34.159	1.07	-	-	-	120.8										
473	5.96	34.224	.65	-	-	-	109.9										
553	5.72	34.326	.40	-	-	-	99.4										
100.80								CALCOFI CRUISE 6612								100.80	
ALEXANDER AGASSIZ, DECEMBER 4 1966, 1525 GMT, 29 58.5N 120 11W, SOUNDING 2000 FM, WIND 220 FORCE 3, WEATHER OVERCAST, SEA VERY ROUGH, WIRE ANGLE 11.																	
0	17.36	33.392	5.58	-	-	-	371.3	0	17.36	33.392	5.58	24.22	371.3	0			
10	17.34	33.392	5.58	-	-	-	370.8	10	17.34	33.392	5.58	24.22	370.8	.037			
30	17.12	33.369	5.64	-	-	-	367.5	20	17.25	33.384	5.59	24.24	369.3	.074			
60	14.32	33.290	6.06	-	-	-	313.8	30	17.12	33.369	5.64	24.26	367.5	.111			
70	13.05	33.219	5.76	-	-	-	294.3	50	15.50	33.330	6.01	24.60	335.1	.182			
84	12.15	33.275	5.42	-	-	-	273.6	75	12.67	33.228	5.64	25.11	286.5	.260			
99	11.22	33.342	5.02	-	-	-	252.3	100	11.16	33.349	4.98	25.48	250.6	.327			
114	10.34	33.460	-	-	-	-	228.8	125	9.94	33.565	4.07	25.86	214.7	.386			
138	9.64	33.682	3.65	-	-	-	201.2	150	9.43	33.759	3.48	26.10	192.3	.438			
157	9.34	33.796	3.42	-	-	-	188.1	200	8.79	33.952	3.16	26.35	168.1	.529			
186	8.98	33.907	3.20	-	-	-	174.4	250	7.90	34.047	2.52	26.56	148.2	.610			
215	8.55	33.992	3.13	-	-	-	161.7	300	7.42	34.101	1.81	26.67	137.6	.684			
245	7.96	34.041	2.60	-	-	-	149.5	400	6.45	34.170	.98	26.86	119.8	.818			
294	7.48	34.095	1.89	-	-	-	138.9	500	5.75	34.261	.52	27.02	104.6	.936			
348	6.95	34.145	1.29	-	-	-	128.1	600	5.31	34.334	.34	27.13	94.1	1.042			
431	6.18	34.186	.85	-	-	-	115.4										
515	5.67	34.275	.47	-	-	-	102.6										
598	5.32	34.333	.34	-	-	-	94.3										
103.30								CALCOFI CRUISE 6612								103.30	
ALEXANDER AGASSIZ, DECEMBER 6 1966, 0316 GMT, 31 06N 116 24.5W, SOUNDING 25 FM, WIND 180 FORCE 3, WEATHER DRIZZLE, SEA MODERATE, WIRE ANGLE 07.																	
0	14.86	33.376	5.93	-	-	-	318.4	0	14.86	33.376	5.93	24.77	318.4	0			
10	14.70	33.383	5.95	-	-	-	314.6	10	14.70	33.383	5.95	24.81	314.6	.032			
20	14.60	33.394	5.90	-	-	-	311.8	20	14.60	33.394	5.90	24.84	311.8	.063			
30	13.84	33.456	5.57	-	-	-	292.1	30	13.84	33.456	5.57	25.05	292.1	.093			
40	13.60	33.475	4.99	-	-	-	286.0										

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			
103.35								CALCOFI CRUISE 6612								103.35	
ALEXANDER AGASSIZ, DECEMBER 6 1966, 0630 GMT, 30 55.5N 116 45W, SOUNDING 986 FM, WIND 200 FORCE 3, WEATHER DRIZZLE, SEA MODERATE, WIRE ANGLE 25.																	
0	16.44	33.459	5.85	-	-	-	345.9	0	16.44	33.459	5.85	24.48	345.9	0			
9	16.45	33.459	5.76	-	-	-	346.1	10	16.45	33.456	5.77	24.48	346.3	.035			
10	16.45K	-	-	-	-	-	-	20	15.10	33.430	5.88	24.76	319.4	.068			
20	15.10K	33.43 G	-	-	-	-	319.4	30	14.96	33.430	5.87	24.79	316.5	.100			
27	15.00	33.428	5.93	-	-	-	317.5	50	13.17	33.394	5.60	25.14	283.7	.160			
30	14.96K	33.43 G	-	-	-	-	316.5	75	11.58	33.466	4.57	25.50	249.4	.227			
36	14.50	33.399	5.74	-	-	-	309.4	100	10.43	33.642	4.20	25.84	216.8	.286			
50	13.17	33.394	5.60	-	-	-	283.7	125	10.13	33.858	3.35	26.06	195.9	.338			
63	12.45	33.377	5.10	-	-	-	271.5	150	9.52	33.976	3.08	26.25	177.5	.385			
84	10.98	33.553	4.25	-	-	-	232.6	200	9.38	34.185	2.14	26.44	159.8	.471			
102	10.39	33.654	4.17	-	-	-	215.3	250	9.68	34.406	.86	26.56	148.2	.551			
119	10.26	33.815	3.46	-	-	-	201.3	300	9.21	34.414	.92	26.65	140.2	.626			
136	9.84	33.922	3.23	-	-	-	186.6	400	7.47	34.294	.65	26.82	124.0	.764			
160	9.34	34.006	2.97	-	-	-	172.5	500	6.39	34.295	.54	26.97	109.8	.888			
190	9.18	34.102	2.59	-	-	-	162.9										
216	9.72	34.319	1.38	-	-	-	155.3										
259	9.59	34.421	.77	-	-	-	145.7										
306	9.13	34.408	.96	-	-	-	139.5										
382	7.73	34.301	.66	-	-	-	127.0										
461	6.74	34.286	.59	-	-	-	114.9										
545	6.10	34.319	.46	-	-	-	104.4										
103.40								CALCOFI CRUISE 6612								103.40	
ALEXANDER AGASSIZ, DECEMBER 6 1966, 0958 GMT, 30 46N 117 04.5W, SOUNDING 960 FM, WIND 240 FORCE 4, WEATHER DRIZZLE, SEA MODERATE, WIRE ANGLE 18.																	
1	17.12	33.570	5.65	-	-	-	352.9	0	17.12	33.570	5.65	24.41	352.9	0			
11	17.12	33.566	5.64	-	-	-	353.2	10	17.13	33.567	5.64	24.41	353.2	.035			
34	16.67	33.526	5.70	-	-	-	346.0	20	16.99	33.554	5.66	24.43	351.1	.071			
43	14.44	33.435	5.69	-	-	-	305.5	30	16.78	33.544	5.69	24.47	347.1	.106			
57	11.97	33.461	4.77	-	-	-	256.6	50	13.01	33.432	5.27	25.20	277.9	.168			
71	11.34	33.537	4.33	-	-	-	239.9	75	11.20	33.561	4.23	25.64	235.8	.233			
95	10.58	33.692	3.79	-	-	-	215.6	100	10.41	33.733	3.66	25.91	209.7	.289			
114	9.96	33.839	3.34	-	-	-	194.6	125	9.70	33.885	3.20	26.15	187.0	.339			
132	9.55	33.907	3.14	-	-	-	183.1	150	9.19	33.982	2.97	26.31	172.0	.385			
161	9.02	34.020	2.87	-	-	-	166.6	200	8.67	34.065	2.56	26.46	158.0	.469			
189	8.82	34.051	2.62	-	-	-	161.3	250	7.82	34.080	2.34	26.60	144.6	.547			
226	8.24	34.087	2.46	-	-	-	150.1	300	7.63	34.179	1.47	26.70	134.7	.619			
255	7.74	34.080	2.30	-	-	-	143.6	400	6.66	34.233	.81	26.88	117.8	.750			
302	7.62	34.184	1.43	-	-	-	134.2	500	6.16	34.308	.44	27.01	105.9	.868			
364	6.88	34.202	1.02	-	-	-	123.0	600	5.63	34.358	.36	27.11	96.0	.977			
460	6.40	34.289	.53	-	-	-	110.4										
548	5.89	34.332	.37	-	-	-	100.9										
620	5.54	34.368	.35	-	-	-	94.1										
103.50								CALCOFI CRUISE 6612								103.50	
ALEXANDER AGASSIZ, DECEMBER 6 1966, 1551 GMT, 30 27.5N 117 44W, SOUNDING 1506 FM, WIND 220 FORCE 3, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 25.																	
0	17.11	33.489	5.72	-	-	-	358.6	0	17.11	33.489	5.72	24.35	358.6	0			
9	17.09	33.489	5.72	-	-	-	358.1	10	17.09	33.491	5.72	24.36	357.9	.036			
28	17.02	33.528	5.71	-	-	-	353.7	20	17.05	33.514	5.71	24.38	355.5	.072			
36	16.88	33.519	5.73	-	-	-	351.2	30	16.99	33.526	5.71	24.41	353.1	.107			
51	13.98	33.249	5.93	-	-	-	310.0	50	14.20	33.268	5.92	24.83	313.0	.174			
63	12.94	33.219	5.76	-	-	-	292.2	75	12.18	33.226	5.55	25.20	277.6	.248			
85	11.66	33.245	5.30	-	-	-	267.1	100	10.93	33.439	4.66	25.59	240.1	.313			
102	10.85	33.470	4.57	-	-	-	236.5	125	10.48	33.762	3.63	25.92	208.9	.370			
120	10.56	33.703	3.88	-	-	-	214.5	150	9.96	33.923	3.04	26.14	188.5	.420			
136	10.30	33.868	3.14	-	-	-	198.0	200	9.25	34.056	2.60	26.36	167.4	.511			
162	9.68	33.943	2.96	-	-	-	182.5	250	8.83	34.141	2.25	26.49	154.8	.594			
193	9.32	34.040	2.67	-	-	-	169.7	300	8.00	34.155	1.77	26.63	141.7	.670			
219	9.08	34.094	2.42	-	-	-	162.0	400	6.86	34.232	.85	26.85	120.5	.807			
263	8.70	34.153	2.18	-	-	-	151.9	500	6.01	34.280	.46	27.00	106.3	.927			
312	7.76	34.155	1.63	-	-	-	138.3	600	5.28	34.307	.37	27.11	95.8	1.035			
389	6.96	34.225	.92	-	-	-	122.3										
468	6.27	34.267	.54	-	-	-	110.4										
549	5.64	34.296	.43	-	-	-	100.7										

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			
103.60								CALCOFI CRUISE 6612								103.60	
ALEXANDER AGASSIZ, DECEMBER 6 1966, 2159 GMT, 30 05N 118 23.5W, SOUNDING 1836 FM, WIND 220 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 32.																	
2	17.97	33.507	5.59	-	-	-	376.9	0	17.97	33.507	5.59	24.16	376.9	0			
10	17.94	33.505	5.53	-	-	-	376.4	10	17.94	33.505	5.53	24.16	376.4	.038			
27	17.76	33.471	5.50	-	-	-	374.7	20	17.85	33.486	5.51	24.17	375.6	.075			
53	17.30	33.460	5.63	-	-	-	365.0	30	17.72	33.469	5.51	24.19	373.9	.113			
62	15.94	33.336	5.91	-	-	-	344.0	50	17.49	33.461	5.58	24.24	369.2	.187			
75	14.62	33.364	5.89	-	-	-	314.4	75	14.62	33.364	5.89	24.81	314.4	.273			
87	13.68	33.347	6.16	-	-	-	296.9	100	12.68	33.405	5.30	25.24	273.8	.347			
99	12.77	33.400	5.36	-	-	-	275.7	125	11.22	33.556	4.27	25.63	236.4	.412			
119	11.37	-	4.45	-	-	-	-	150	10.77	33.767	3.38	25.88	213.3	.469			
134	11.09	33.624	4.02	-	-	-	229.2	200	9.76	34.041	2.75	26.26	176.5	.568			
156	10.63	33.818	3.17	-	-	-	207.1	250	9.43	34.225	1.82	26.46	157.6	.654			
177	9.96	33.938	3.05	-	-	-	187.3	300	8.84	34.244	1.55	26.57	147.3	.733			
200	9.76	34.041	2.75	-	-	-	176.5	400	7.09	34.192	1.14	26.79	126.5	.876			
236	9.54	34.202	1.95	-	-	-	161.1	500	6.56	34.307	.49	26.95	111.0	1.001			
279	9.13	34.239	1.67	-	-	-	152.0										
348	8.08	34.246	1.31	-	-	-	136.0										
421	6.83	34.192	1.04	-	-	-	123.1										
500	6.56	34.307	.49	-	-	-	111.0										

103.70	CALCOFI CRUISE 6612												103.70			
ALEXANDER AGASSIZ, DECEMBER 7 1966, 0458 GMT, 29 44.5N 119 05.5W, SOUNDING 1900 FM, WIND 240 FORCE 4, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 22.																
2	18.42	33.631	5.44	-	-	-	378.4	0	18.42	33.631	5.44	24.14	378.4	0		
11	18.40	33.633	5.46	-	-	-	377.8	10	18.40	33.633	5.46	24.15	377.8	.038		
20	18.40K	33.63 G	-	-	-	-	378.0	20	18.40	33.630	5.48	24.15	378.0	.076		
30	18.40K	33.63 G	-	-	-	-	378.0	30	18.40	33.630	5.49	24.15	378.0	.114		
34	17.98	33.567	5.52	-	-	-	372.8	50	16.84	33.499	5.58	24.42	351.8	.187		
43	17.48	33.506	5.70	-	-	-	365.7	75	14.72	33.455	5.58	24.86	309.7	.270		
57	16.14	33.491	5.44	-	-	-	337.0	100	13.35	33.526	4.81	25.20	277.5	.344		
71	14.98	33.456	5.63	-	-	-	315.0	125	12.19	33.667	4.16	25.54	245.5	.410		
94	13.66	33.496	5.06	-	-	-	285.6	150	10.86	33.756	3.74	25.85	215.5	.468		
113	12.73	33.602	4.31	-	-	-	260.1	200	9.42	33.967	3.10	26.26	176.7	.568		
131	11.92	33.697	4.12	-	-	-	238.4	250	8.58	34.099	2.35	26.50	154.1	.653		
158	10.44	33.778	3.58	-	-	-	206.9	300	7.72	34.135	1.82	26.66	139.2	.729		
184	9.72	33.887	3.33	-	-	-	187.3	400	6.75	34.199	.99	26.84	121.5	.864		
220	9.11	34.052	2.79	-	-	-	165.6	500	6.05	34.295	.44	27.01	105.6	.984		
247	8.64	34.096	2.39	-	-	-	155.3	600	5.62	34.348	.33	27.11	96.6	1.092		
292	7.82	34.132	1.89	-	-	-	140.8									
352	7.19	34.149	1.43	-	-	-	131.0									
444	6.40	34.252	.64	-	-	-	113.1									
529	5.90	34.314	.38	-	-	-	102.4									
600	5.62	34.348	.33	-	-	-	96.6									

103.80				CALCOFI CRUISE 6612												103.80			
ALEXANDER AGASSIZ, DECEMBER 7 1966, 1200 GMT, 29 23N 119 44.5W, SOUNDING 1900 FM, WIND 330 FORCE 5, WEATHER CLOUDY, SEA HIGH, WIRE ANGLE 23.																			
0	18.03	33.482	5.52	-	-	-	380.1	0	18.03	33.482	5.52	24.12	380.1	0					
9	18.03	33.481	5.51	-	-	-	380.2	10	18.03	33.481	5.51	24.12	380.2	.038					
20	18.04K	-	-	-	-	-	-	20	18.04	33.483	5.51	24.12	380.3	.076					
30	18.04K	-	-	-	-	-	-	30	18.04	33.487	5.52	24.13	380.0	.114					
33	18.05	33.488	5.52	-	-	-	380.2	50	17.79	33.596	5.76	24.27	366.1	.189					
61	17.16	33.657	5.91	-	-	-	347.4	75	15.96	33.671	5.89	24.75	320.0	.275					
70	16.27	33.654	5.94	-	-	-	327.9	100	14.62	33.682	5.69	25.06	291.2	.352					
89	15.29	33.711	5.72	-	-	-	302.8	125	13.23	33.667	5.27	25.34	264.7	.423					
102	14.50	33.675	5.68	-	-	-	289.2	150	11.90	33.693	4.91	25.61	238.4	.486					
116	13.69	33.668	5.40	-	-	-	273.6	200	9.86	33.882	4.33	26.12	189.9	.595					
144	12.26	33.670	5.02	-	-	-	246.5	250	8.74	34.033	4.13	26.42	161.4	.685					
162	11.22	33.745	4.70	-	-	-	222.5	300	7.77	34.021	2.92	26.56	148.3	.765					
189	10.18	33.828	4.31	-	-	-	199.0	400	6.50	34.106	1.48	26.80	125.3	.907					
221	9.36	33.978	4.41	-	-	-	174.9	500	5.95	34.226	.65	26.97	109.6	1.031					
249	8.76	34.033	4.15	-	-	-	161.7	600	5.39	34.311	.42	27.11	96.6	1.141					
294	7.88	34.020	3.03	-	-	-	150.0												
355	6.89	34.052	2.09	-	-	-	134.3												
449	6.24	34.173	.96	-	-	-	117.1												
534	5.76	34.258	.51	-	-	-	104.9												
605	5.36	34.315	.41	-	-	-	96.1												

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	C*T	DC			
107.32								CALCOFI CRUISE 6612								107.32	
ALEXANDER AGASSIZ, DECEMBER 9 1966, 0003 GMT, 30 26N 116 10.5W, SOUNDING 220 FM, WIND 320 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 27.																	
0	15.68	33.443	5.89	-	-	-	330.6	0	15.68	33.443	5.89	24.64	330.6	0			
9	15.70	33.440	5.88	-	-	-	331.3	10	15.70	33.439	5.87	24.64	331.3	.033			
10	15.70K	-	-	-	-	-	-	20	15.53	33.430	5.76	24.67	328.4	.066			
20	15.53K	33.43 G	-	-	-	-	328.4	30	13.30	33.430	5.40	25.14	283.5	.097			
26	14.04	33.361	5.59	-	-	-	303.0	50	11.89	33.585	3.84	25.53	246.2	.150			
30	13.30K	33.43 G	-	-	-	-	283.5	75	11.18	33.718	3.64	25.77	223.8	.209			
39	12.61	33.462	4.81	-	-	-	268.2	100	10.42	33.907	3.14	26.05	197.2	.262			
48	11.90	33.570	3.97	-	-	-	247.4	125	10.18	33.990	2.76	26.15	187.0	.311			
61	11.86	33.643	3.47	-	-	-	241.3	150	10.06	34.109	2.38	26.27	176.3	.357			
73	11.27	33.701	3.64	-	-	-	226.6	200	9.86	34.258	1.57	26.42	161.9	.443			
85	10.78	33.806	3.57	-	-	-	210.5	250	9.32	34.296	1.31	26.54	150.7	.524			
106	10.34	33.936	2.95	-	-	-	193.6										
122	10.20	33.977	2.79	-	-	-	188.3										
146	10.08	34.091	2.47	-	-	-	177.9										
168	9.99	34.182	1.99	-	-	-	169.7										
193	9.96	34.252	1.61	-	-	-	164.1										
234	9.45	34.285	1.39	-	-	-	153.5										
272	9.20	34.309	1.22	-	-	-	147.9										

107.35							CALCOFI CRUISE 6612							107.35						
ALEXANDER AGASSIZ, DECEMBER 8 1966, 2107 GMT, 30 21.5N 116 22.5W, SOUNDING 920 FM, WIND 330 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 25.																				
1	16.26	33.484	5.80	-	-	-	340.1	0	16.26	33.484	5.80	24.54	340.1	0						
10	16.24	33.482	5.84	-	-	-	339.8	10	16.24	33.482	5.84	24.55	339.8	.034						
33	16.10	33.473	5.84	-	-	-	337.4	20	16.19	33.478	5.86	24.56	338.9	.068						
60	12.65	33.289	5.54	-	-	-	281.7	30	16.12	33.478	5.85	24.57	337.5	.102						
70	12.56	33.348	5.22	-	-	-	275.7	50	13.86	33.339	5.72	24.95	301.1	.166						
75	12.52K	33.37 G	-	-	-	-	273.3	75	12.52	33.370	5.04	25.25	273.3	.238						
87	11.32	33.487	4.58	-	-	-	243.3	100	10.80	33.634	4.12	25.77	223.6	.301						
100	10.80	33.634	4.12	-	-	-	223.6	125	10.51	33.869	3.08	26.00	201.4	.355						
113	10.56	33.740	3.60	-	-	-	211.7	150	10.49	34.072	2.30	26.16	186.0	.404						
138	10.48	34.000	2.59	-	-	-	191.2	200	9.88	34.217	1.86	26.38	165.5	.493						
154	10.49	34.092	2.23	-	-	-	184.6	250	8.63	34.206	1.73	26.58	146.9	.574						
179	10.21	34.205	1.89	-	-	-	171.6	300	8.11	34.255	1.22	26.69	135.8	.647						
208	9.71	34.217	1.89	-	-	-	162.7	400	7.07	34.254	.90	26.84	121.6	.781						
232	8.90	34.183	1.96	-	-	-	152.7	500	6.13	34.304	.46	27.01	106.0	.902						
273	8.44	34.249	1.37	-	-	-	141.0													
329	7.77	34.248	1.15	-	-	-	131.5													
417	6.92	34.258	.84	-	-	-	119.3													
502	6.12	34.305	.45	-	-	-	105.7													
575	5.92	34.345	.39	-	-	-	100.3													

107.40	CALCOFI CRUISE 6612												107.40	
ALEXANDER AGASSIZ, DECEMBER 8 1966, 1733 GMT, 30 07N 116 39W, SOUNDING 1120 FM, WIND 320 FORCE 6, WEATHER PARTLY CLOUDY, SEA HIGH, WIRE ANGLE 37.														
2	17.23	33.465	5.58	-	-	-	363.0	0	17.23	33.465	5.58	24.30	363.0	0
10	17.24	33.463	5.57	-	-	-	363.4	10	17.24	33.463	5.57	24.30	363.4	.036
30	17.23	33.460	5.62	-	-	-	363.4	20	17.24	33.461	5.59	24.30	363.5	.073
54	15.29	33.338	5.99	-	-	-	330.1	30	17.23	33.460	5.62	24.30	363.4	.109
62	14.30	33.271	5.92	-	-	-	314.8	50	15.74	33.367	5.95	24.57	337.5	.179
77	13.32	33.323	5.19	-	-	-	291.8	75	13.43	33.306	5.29	25.02	295.0	.259
89	12.34	33.438	5.08	-	-	-	265.0	100	11.99	33.500	4.89	25.45	254.0	.328
101	11.96	33.505	4.87	-	-	-	253.2	125	10.48	33.667	4.28	25.85	215.8	.387
124	10.52	33.663	4.30	-	-	-	216.8	150	9.55	33.800	3.74	26.11	191.1	.439
138	10.01	33.719	4.01	-	-	-	204.3	200	9.06	34.091	2.66	26.42	161.9	.529
159	9.27	33.868	3.54	-	-	-	181.7	250	9.16	34.272	1.41	26.54	150.1	.609
183	9.06	34.029	3.00	-	-	-	166.5	300	8.57	34.276	1.12	26.64	140.9	.684
205	9.07	34.106	2.55	-	-	-	161.0	400	7.11	34.255	.81	26.84	122.0	.822
241	9.20	34.257	1.53	-	-	-	151.7	500	6.39	34.316	.39	26.98	108.3	.943
291	8.76	34.286	1.15	-	-	-	142.9							
370	7.16	34.205	1.06	-	-	-	126.4							
445	6.89	34.304	.54	-	-	-	115.5							
509	6.29	34.318	.38	-	-	-	106.8							

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			
107.50								CALCOFI CRUISE 6612								107.50	
ALEXANDER AGASSIZ, DECEMBER 8 1966, 1107 GMT, 29 51N 117 22W, SOUNDING 1290 FM, WIND 310 FORCE 5, WEATHER MISSING, SEA HIGH, WIRE ANGLE 35.																	
1	17.63	33.511	5.48	-	-	-	368.8	0	17.63	33.511	5.48	24.24	368.8	0			
9	17.64	33.507	5.42	-	-	-	369.3	10	17.64	33.508	5.41	24.24	369.2	.037			
20	17.64K	-	-	-	-	-	-	20	17.64	33.512	5.38	24.24	368.9	.074			
27	17.65	33.510	5.38	-	-	-	369.3	30	17.62	33.498	5.42	24.24	369.5	.111			
30	17.62K	-	-	-	-	-	-	50	15.86	33.410	5.75	24.58	336.9	.182			
48	16.15	33.415	5.72	-	-	-	342.8	75	13.35	33.320	5.56	25.04	292.5	.261			
55	15.14	33.396	5.82	-	-	-	322.7	100	12.16	33.384	5.10	25.33	265.7	.331			
69	13.86	33.317	5.69	-	-	-	302.7	125	11.19	33.565	4.25	25.65	235.2	.394			
80	12.99	33.331	5.46	-	-	-	284.9	150	10.49	33.817	3.26	25.96	204.9	.450			
90	12.62	33.344	5.35	-	-	-	277.1	200	9.58	34.005	2.80	26.27	176.4	.547			
111	11.66	33.452	4.74	-	-	-	251.8	250	9.06	34.175	2.02	26.48	155.7	.632			
124	11.22	33.553	4.31	-	-	-	236.7	300	8.32	34.199	1.51	26.62	142.9	.710			
144	10.64	33.784	3.29	-	-	-	209.8	400	7.04	34.228	.92	26.83	123.2	.848			
166	10.13	33.869	3.17	-	-	-	195.1	500	6.38	34.312	.44	26.98	108.5	.971			
187	9.70	33.933	2.98	-	-	-	183.5										
219	9.46	34.109	2.50	-	-	-	166.7										
265	8.84	34.187	1.81	-	-	-	151.5										
342	7.72	34.213	1.26	-	-	-	133.4										
420	6.86	34.239	.81	-	-	-	119.9										
490	6.42	34.300	.48	-	-	-	109.8										
107.60								CALCOFI CRUISE 6612								107.60	
ALEXANDER AGASSIZ, DECEMBER 8 1966, 0432 GMT, 29 31N 118 02W, SOUNDING 1930 FM, WIND 330 FORCE 5, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 23.																	
1	18.31	33.654	5.43	-	-	-	374.2	0	18.31	33.654	5.43	24.19	374.2	0			
10	18.32	33.653	5.49	-	-	-	374.5	10	18.32	33.653	5.49	24.18	374.5	.037			
20	18.33K	-	-	-	-	-	-	20	18.33	33.652	5.52	24.18	374.7	.075			
30	18.34K	-	-	-	-	-	-	30	18.34	33.652	5.52	24.18	375.0	.113			
34	18.35	33.652	5.53	-	-	-	375.2	50	18.20	33.640	5.57	24.20	372.6	.188			
50	18.20K	33.64 G	-	-	-	-	372.6	75	15.34	33.435	5.70	24.71	324.1	.275			
61	17.81	33.590	5.60	-	-	-	367.2	100	13.46	33.533	4.90	25.18	279.1	.351			
70	15.97	33.452	5.73	-	-	-	336.2	125	11.26	33.635	4.08	25.69	231.3	.416			
90	14.14	33.469	5.34	-	-	-	297.1	150	10.85	33.941	2.82	26.00	201.7	.470			
103	13.24	33.550	4.77	-	-	-	273.6	200	9.59	34.044	2.81	26.29	173.6	.566			
117	11.61	33.538	4.59	-	-	-	244.6	250	8.93	34.181	1.93	26.51	153.4	.650			
145	10.98	33.914	2.83	-	-	-	205.9	300	8.08	34.194	1.63	26.65	139.9	.726			
164	10.47	33.983	2.81	-	-	-	192.3	400	7.20	34.280	.76	26.84	121.4	.862			
191	9.76	34.024	2.87	-	-	-	177.7	500	6.41	34.335	.46	27.00	107.0	.983			
225	9.22	34.109	2.48	-	-	-	163.0	600	5.83	34.377	.37	27.10	96.8	1.092			
253	8.90	34.188	1.87	-	-	-	152.3										
300	8.08	34.194	1.63	-	-	-	139.9										
361	7.54	34.253	.96	-	-	-	128.0										
457	6.74	34.311	.61	-	-	-	113.0										
541	6.14	34.355	.38	-	-	-	102.2										
616	5.76	34.382	.39	-	-	-	95.7										
107.70								CALCOFI CRUISE 6612								107.70	
ALEXANDER AGASSIZ, DECEMBER 7 1966, 2222 GMT, 29 11.5N 118 41W, SOUNDING 1960 FM, WIND 340 FORCE 5, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 20.																	
1	18.34	33.649	5.48	-	-	-	375.2	0	18.34	33.649	5.48	24.18	375.2	0			
10	18.34	33.647	5.49	-	-	-	375.4	10	18.34	33.647	5.49	24.17	375.4	.038			
20	18.35K	-	-	-	-	-	-	20	18.35	33.646	5.47	24.17	375.7	.075			
30	18.35K	-	-	-	-	-	-	30	18.35	33.645	5.47	24.17	375.7	.113			
33	18.36	33.645	5.47	-	-	-	376.0	50	17.00	33.490	5.73	24.38	356.0	.186			
50	17.00K	33.49 G	-	-	-	-	356.0	75	13.51	33.397	5.45	25.07	289.9	.267			
61	15.08	33.359	5.85	-	-	-	324.2	100	11.93	33.652	4.21	25.58	242.0	.334			
70	13.92	33.349	5.76	-	-	-	301.5	125	11.19	33.818	3.59	25.84	216.6	.392			
89	12.66	33.574	4.49	-	-	-	260.9	150	10.25	33.923	3.28	26.09	193.2	.444			
104	11.72	33.676	4.14	-	-	-	236.3	200	9.34	34.062	2.71	26.35	168.3	.537			
118	11.46	33.779	3.73	-	-	-	224.2	250	8.45	34.125	2.38	26.54	150.3	.618			
146	10.35	33.908	3.31	-	-	-	195.9	300	7.74	34.131	1.85	26.65	139.8	.693			
165	9.97	33.973	3.15	-	-	-	184.9	400	6.49	34.152	1.12	26.84	121.7	.829			
193	9.52	34.056	2.72	-	-	-	171.6	500	6.14	34.295	.50	27.00	106.7	.950			
226	8.70	34.077	2.68	-	-	-	157.6	600	5.62	34.361	.30	27.12	95.6	1.058			
254	8.42	34.133	2.32	-	-	-	149.3										
300	7.74	34.131	1.85	-	-	-	139.8										
361	6.80	34.115	1.50	-	-	-	128.4										
456	6.24	34.231	.61	-	-	-	112.7										
542	5.97	34.336	.41	-	-	-	101.6										
614	5.52	34.362	.28	-	-	-	94.4										

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			
107.80								CALCOFI CRUISE 6612								107.80	
ALEXANDER AGASSIZ, DECEMBER 7 1966, 1657 GMT, 28 53N 119 20.5W, SOUNDING 2325 FM, WIND 350 FORCE 5, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 21.																	
2	18.48	33.609	5.50	-	-	-	381.4	0	18.48	33.609	5.50	24.11	381.4	0			
11	18.48	33.606	5.52	-	-	-	381.7	10	18.48	33.606	5.52	24.11	381.6	.038			
35	18.52	33.616	5.49	-	-	-	381.9	20	18.49	33.610	5.51	24.11	381.6	.076			
50	18.57K	33.61 G	-	-	-	-	383.5	30	18.51	33.614	5.50	24.11	381.7	.115			
63	18.60	33.697	5.52	-	-	-	377.9	50	18.57	33.610	5.50	24.09	383.5	.191			
73	18.56	33.484	6.04	-	-	-	346.7	75	16.40	33.492	6.06	24.52	342.7	.283			
91	15.92	33.668	5.96	-	-	-	319.3	100	15.42	33.665	5.91	24.87	308.8	.365			
105	15.10	33.651	5.87	-	-	-	303.2	125	13.74	33.634	5.44	25.21	277.0	.439			
119	14.17	33.632	5.65	-	-	-	285.7	150	12.03	33.683	4.59	25.58	241.4	.504			
146	12.28	33.662	4.67	-	-	-	247.4	200	9.82	33.923	3.76	26.16	186.2	.613			
164	11.24	33.768	4.36	-	-	-	221.2	250	8.81	34.043	3.14	26.42	161.8	.702			
190	10.12	33.891	3.83	-	-	-	193.4	300	8.36	34.216	1.55	26.63	142.2	.781			
222	9.32	33.979	3.63	-	-	-	174.2	400	7.43	34.303	.73	26.83	122.8	.919			
248	8.84	34.036	3.21	-	-	-	162.7	500	6.19	34.277	.52	26.98	108.7	1.042			
293	8.40	34.198	1.69	-	-	-	144.2	600	5.30	34.312		27.12	95.6	1.151			
352	8.02	34.300	.91	-	-	-	131.1										
445	6.82	34.282	.61	-	-	-	116.2										
531	5.88	34.282	.50	-	-	-	104.6										
605	5.26	34.315	.14U	-	-	-	94.9										

110.35				CALCOFI CRUISE 6612												110.35			
ALEXANDER AGASSIZ, DECEMBER 9 1966, 0659 GMT, 29 46N 116 00W, SOUNDING 635 FM, WIND 320 FORCE 4, WEATHER MISSING, SEA VERY ROUGH, WIRE ANGLE 12.																			
1	15.18	33.439	5.81	-	-	-	320.4	0	15.18	33.439	5.81	24.75	320.4	0					
11	15.19	33.433	5.78	-	-	-	321.1	10	15.20	33.433	5.79	24.74	321.2	.032					
30	14.76	33.439	5.60	-	-	-	311.8	20	15.03	33.434	5.71	24.78	317.7	.064					
39	13.46	33.493	4.46	-	-	-	282.0	30	14.76	33.439	5.60	24.84	311.8	.096					
54	12.88	33.521	4.20	-	-	-	268.9	50	13.02	33.510	4.31	25.26	272.4	.154					
69	12.35	33.643	3.05	-	-	-	250.1	75	12.26	33.661	2.97	25.52	247.0	.220					
93	11.90	33.694	-	-	-	-	238.2	100	11.52	33.718	3.03	25.70	229.8	.280					
113	10.84	33.780	3.29	-	-	-	213.5	125	10.59	33.874	3.04	25.99	202.3	.334					
132	10.52	33.926	2.88	-	-	-	197.3	150	10.39	33.976	2.72	26.11	191.4	.384					
151	10.38	33.978	2.71	-	-	-	191.2	200	9.87	34.175	2.00	26.35	168.2	.476					
179	10.16	34.130	2.08	-	-	-	176.3	250	8.89	34.267	1.44	26.58	146.4	.557					
212	9.64	34.189	1.93	-	-	-	163.6	300	8.77	34.359	.77	26.67	137.6	.630					
241	8.90	34.242	1.60	-	-	-	148.3	400	7.35	34.313	.63	26.85	120.9	.766					
289	8.87	34.357	.82	-	-	-	139.3	500	6.23	34.330	.37	27.02	105.2	.885					
342	8.22	34.337	.72	-	-	-	131.2	600	5.77	34.367	.37	27.10	96.9	.994					
425	6.99	34.307	.59	-	-	-	116.6												
509	6.16	34.333	.36	-	-	-	104.1												
593	5.78	34.364	.36	-	-	-	97.2												

110.40				CALCOFI CRUISE 6612												110.40			
ALEXANDER AGASSIZ, DECEMBER 9 1966, 1019 GMT, 29 36N 116 19.5W, SOUNDING 1145 FM, WIND 350 FORCE 4, WEATHER CLOUDY, SEA ROUGH, WIRE ANGLE 14.																			
0	15.89	33.454	5.81	-	-	-	334.3	0	15.89	33.454	5.81	24.60	334.3	0					
10	15.92	33.453	5.88	-	-	-	335.0	10	15.92	33.453	5.88	24.60	335.0	.033					
29	15.83	33.444	5.84	-	-	-	333.8	20	15.89	33.449	5.87	24.60	334.6	.067					
39	14.55	33.340	5.72	-	-	-	314.7	30	15.70	33.432	5.83	24.63	331.9	.100					
53	14.22	33.454	5.29	-	-	-	299.7	50	14.31	33.421	5.39	24.92	304.0	.144					
68	13.20	33.465	5.02	-	-	-	279.0	75	12.83	33.485	4.89	25.27	270.6	.236					
92	12.04	33.560	4.53	-	-	-	250.6	100	11.65	33.603	4.31	25.59	240.4	.301					
112	11.11	33.676	3.97	-	-	-	225.7	125	10.70	33.772	3.67	25.89	211.7	.358					
131	10.54	33.814	3.56	-	-	-	205.9	150	10.12	33.902	3.44	26.10	192.5	.409					
150	10.12	33.902	3.44	-	-	-	192.5	200	9.12	34.072	2.75	26.39	164.2	.500					
178	9.54	34.013	2.97	-	-	-	175.1	250	8.45	34.161	1.96	26.57	147.6	.580					
211	8.93	34.095	2.64	-	-	-	159.7	300	7.98	34.218	1.36	26.68	136.7	.654					
240	8.54	34.142	2.13	-	-	-	150.4	400	6.98	34.239	.89	26.84	121.5	.788					
287	8.13	34.217	1.44	-	-	-	138.9	500	6.26	34.325	.45	27.01	105.9	.909					
340	7.53	34.210	1.20	-	-	-	131.0	600	5.68	34.376	.31	27.12	95.3	1.016					
423	6.80	34.257	.77	-	-	-	117.8												
506	6.22	34.329	.43	-	-	-	105.2												
589	5.74	34.372	.32	-	-	-	96.2												

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			
110.50								CALCOFI CRUISE 6612								110.50	
ALEXANDER AGASSIZ, DECEMBER 9 1966, 1543 GMT, 29 16N 116 59W, SOUNDING 1710 FM, WIND 010 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 08.																	
0	17.26	33.467	5.61	-	-	-	363.5	0	17.26	33.467	5.61	24.30	363.5	0			
10	17.26	33.467	5.65	-	-	-	363.5	10	17.26	33.467	5.65	24.30	363.5	.036			
20	17.27K	-	-	-	-	-	-	20	17.27	33.466	5.65	24.29	363.8	.073			
30	17.28	33.465	5.65	-	-	-	364.1	30	17.28	33.465	5.65	24.29	364.1	.109			
60	16.31	33.422	5.82	-	-	-	345.7	50	16.87	33.436	5.73	24.37	357.0	.182			
70	15.38	33.418	5.98	-	-	-	326.1	75	14.92	33.384	5.97	24.77	319.0	.267			
85	13.99	33.321	5.87	-	-	-	304.9	100	12.60	33.366	5.41	25.23	275.0	.341			
101	12.52	33.375	5.36	-	-	-	272.9	125	11.96	33.758	3.44	25.65	234.5	.406			
116	12.10	33.608	3.98	-	-	-	248.1	150	11.68	33.969	2.36	25.87	214.0	.463			
141	11.78	33.961	2.74	-	-	-	216.4	200	10.88	34.145	1.78	26.15	187.2	.565			
161	11.54	33.985	2.00	-	-	-	210.4	250	10.09	34.341	1.41	26.44	159.7	.654			
191	11.04	34.110	1.79	-	-	-	192.5	300	9.32	34.401	.76	26.62	142.9	.733			
221	10.52	34.225	1.77	-	-	-	175.2	400	7.39	34.262	.93	26.80	125.2	.873			
251	10.08	34.344	1.39	-	-	-	159.2	500	6.28	34.264	.60	26.96	110.8	.997			
301	9.30	34.401	.75	-	-	-	142.6	600	5.64	34.336	.43	27.09	97.8	1.109			
356	8.13	34.287	1.00	-	-	-	133.7										
441	6.84	34.249	.77	-	-	-	118.9										
526	6.08	34.277	.54	-	-	-	107.3										
610	5.60	34.346	.42	-	-	-	96.5										
110.60								CALCOFI CRUISE 6612								110.60	
ALEXANDER AGASSIZ, DECEMBER 9 1966, 2121 GMT, 28 56.5N 117 38.5W, SOUNDING 1900 FM, WIND 350 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 04.																	
0	18.26	33.646	5.53	-	-	-	373.6	0	18.26	33.646	5.53	24.19	373.6	0			
10	18.06	33.641	5.50	-	-	-	369.3	10	18.06	33.641	5.50	24.24	369.3	.037			
30	18.02	33.634	5.47	-	-	-	368.8	20	18.04	33.637	5.47	24.24	369.0	.074			
39	18.02	33.634	5.50	-	-	-	368.8	30	18.02	33.634	5.47	24.24	368.8	.111			
54	16.32	33.486	5.55	-	-	-	341.3	50	16.89	33.528	5.54	24.43	350.8	.183			
69	14.36	33.469	5.52	-	-	-	301.4	75	13.71	33.511	5.13	25.12	285.5	.263			
94	12.08	33.673	3.80	-	-	-	243.0	100	11.64	33.697	3.70	25.67	233.3	.329			
114	11.00	33.743	3.56	-	-	-	218.9	125	11.10	33.920	3.13	25.94	207.6	.384			
125	11.10K	33.92 G	-	-	-	-	207.6	150	10.68	34.062	2.41	26.12	190.0	.435			
134	10.85	33.974	2.76	-	-	-	199.3	200	9.31	34.117	2.46	26.40	163.8	.525			
154	10.65	34.081	2.36	-	-	-	188.0	250	8.66	34.221	1.64	26.58	146.3	.605			
183	9.80	34.142	2.31	-	-	-	169.6	300	8.51	34.323	.90	26.69	136.4	.678			
221	8.84	34.100	2.48	-	-	-	157.9	400	7.40	34.307	.66	26.84	122.0	.813			
247	8.67	34.210	1.71	-	-	-	147.2	500	6.49	34.327	.42	26.98	108.7	.935			
297	8.54	34.323	.91	-	-	-	136.9	600	5.71	34.347	.33	27.09	97.7	1.046			
352	7.82	34.291	.86	-	-	-	129.0										
445	7.05	34.331	.47	-	-	-	115.6										
521	6.30	34.328	.40	-	-	-	106.2										
605	5.68	34.349	.33	-	-	-	97.2										
110.70								CALCOFI CRUISE 6612								110.70	
ALEXANDER AGASSIZ, DECEMBER 10 1966, 0246 GMT, 28 36N 118 18W, SOUNDING 1910 FM, WIND 360 FORCE 3, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 18.																	
0	18.33	33.687	5.63	-	-	-	372.2	0	18.33	33.687	5.63	24.21	372.2	0			
10	18.34	33.685	5.46	-	-	-	372.6	10	18.34	33.685	5.46	24.20	372.6	.037			
20	18.34K	33.68 G	-	-	-	-	373.0	20	18.34	33.680	5.45	24.20	373.0	.075			
30	18.34	33.686	5.45	-	-	-	372.5	30	18.34	33.686	5.45	24.20	372.5	.112			
58	15.77	33.480	5.56	-	-	-	329.8	50	16.80	33.543	5.58	24.46	347.8	.184			
67	14.50	33.465	5.35	-	-	-	304.6	75	14.09	33.478	5.24	25.01	295.4	.265			
81	13.92	33.497	5.14	-	-	-	290.6	100	12.70	33.579	4.51	25.37	261.3	.335			
95	12.94	33.553	4.65	-	-	-	267.7	125	11.31	33.692	4.02	25.72	228.1	.397			
108	12.35	33.621	4.32	-	-	-	251.7	150	10.29	33.838	3.43	26.02	200.0	.451			
131	10.96	33.718	3.92	-	-	-	220.1	200	9.26	34.079	2.65	26.38	165.8	.545			
148	10.34	33.824	3.48	-	-	-	201.9	250	8.46	34.125	2.28	26.54	150.5	.626			
175	9.74	33.991	2.94	-	-	-	179.9	300	7.84	34.169	1.60	26.67	138.3	.700			
201	9.24	34.081	2.64	-	-	-	165.4	400	6.91	34.267	.71	26.87	118.5	.834			
228	8.77	34.107	2.54	-	-	-	156.4	500	6.08	34.291	.48	27.00	106.3	.953			
273	8.18	34.143	1.94	-	-	-	145.1										
324	7.56	34.194	1.32	-	-	-	132.6										
402	6.90	34.269	.70	-	-	-	118.2										
481	6.20	34.283	.51	-	-	-	108.4										
562	5.81	34.327	.43	-	-	-	100.4										

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D+T	Z	T	S	OXY	SIG+T	D+T	DD			
110.80								CALCOFI CRUISE 6612								110.80	
ALEXANDER AGASSIZ, DECEMBER 10 1966, 0737 GMT, 28 15N 118 55.5W, SOUNDING 2080 FM, WIND 010 FORCE 3, WEATHER MISSING, SEA MODERATE, WIRE ANGLE 07.																	
1	17.96	33.469	5.59	-	-	-	379.4	0	17.96	33.469	5.59	24.13	379.4	0			
11	17.97	33.469	5.55	-	-	-	379.7	10	17.97	33.469	5.55	24.13	379.6	.038			
31	18.04	33.468	5.59	-	-	-	381.4	20	18.04	33.466	5.56	24.11	381.5	.076			
60	17.02	33.553	6.06	-	-	-	351.9	30	18.04	33.467	5.58	24.11	381.5	.114			
70	16.22	33.564	6.00	-	-	-	333.4	50	17.56	33.522	5.92	24.27	366.2	.189			
84	15.48	33.634	5.98	-	-	-	312.4	75	15.93	33.590	5.99	24.70	325.3	.276			
99	14.66	33.616	5.83	-	-	-	296.7	100	14.58	33.611	5.82	25.01	295.5	.354			
115	13.32	33.549	5.54	-	-	-	275.2	125	12.46	33.559	5.29	25.40	258.4	.424			
139	11.46	33.626	4.87	-	-	-	235.5	150	11.04	33.723	4.44	25.79	221.1	.485			
158	10.81	33.794	4.16	-	-	-	211.9	200	9.44	33.931	3.73	26.23	179.7	.587			
188	9.70	33.886	3.88	-	-	-	187.0	250	9.19	34.189	1.97	26.47	156.6	.673			
218	9.22	34.010	3.34	-	-	-	170.4	300	8.81	34.295	1.15	26.62	143.0	.751			
247	9.20	34.178	2.05	-	-	-	157.6	400	7.49	34.316	.62	26.83	122.6	.890			
296	8.85	34.291	1.19	-	-	-	143.9	500	6.37	34.316	.43	26.99	108.0	1.012			
350	8.20	34.320	.85	-	-	-	132.2	600	5.72	34.361	.39	27.11	96.7	1.122			
435	7.01	34.308	.51	-	-	-	116.8										
519	6.22	34.322	.41	-	-	-	105.7										
604	5.70	34.364	.39	-	-	-	96.3										
113.30								CALCOFI CRUISE 6612								113.30	
ALEXANDER AGASSIZ, DECEMBER 11 1966, 1700 GMT, 29 22N 115 18W, SOUNDING 30 FM, WIND 020 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 00.																	
0	14.84	33.451	5.64	-	-	-	312.5	0	14.84	33.451	5.64	24.83	312.5	0			
10	14.80	33.452	5.59	-	-	-	311.6	10	14.80	33.452	5.59	24.84	311.6	.031			
20	14.76	33.447	5.55	-	-	-	311.2	20	14.76	33.447	5.55	24.85	311.2	.062			
30	14.66	33.442	5.51	-	-	-	309.5	30	14.66	33.442	5.51	24.87	309.5	.094			
50	13.12	33.512	4.32	-	-	-	274.1	50	13.12	33.512	4.32	25.24	274.1	.152			
113.35								CALCOFI CRUISE 6612								113.35	
ALEXANDER AGASSIZ, DECEMBER 11 1966, 1408 GMT, 29 11.5N 115 37.5W, SOUNDING 685 FM, WIND 100 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 11.																	
0	15.82	33.467	5.80	-	-	-	331.9	0	15.82	33.467	5.80	24.63	331.9	0			
10	15.80	33.467	5.82	-	-	-	331.4	10	15.80	33.467	5.82	24.63	331.4	.033			
20	15.80K	-	-	-	-	-	-	20	15.80	33.469	5.84	24.64	331.3	.066			
30	15.80	33.467	5.82	-	-	-	331.4	30	15.80	33.467	5.82	24.63	331.4	.100			
60	13.30	33.411	5.26	-	-	-	284.9	50	14.31	33.417	5.52	24.92	304.2	.163			
70	12.59	33.456	4.94	-	-	-	268.3	75	12.19	33.492	4.76	25.40	258.3	.234			
84	11.56	33.584	4.34	-	-	-	240.3	100	11.13	33.820	3.20	25.85	215.4	.294			
99	11.17	33.827	3.24	-	-	-	215.6	125	10.62	33.918	3.07	26.02	199.6	.346			
100	11.13K	33.82 G	-	-	-	-	215.4	150	9.77	33.965	3.33	26.20	182.3	.395			
114	11.00	33.898	2.92	-	-	-	207.5	200	9.23	34.148	2.35	26.43	160.3	.482			
138	10.10	33.930	3.33	-	-	-	190.1	250	8.32	34.150	2.00	26.58	146.5	.561			
157	9.62	33.990	3.27	-	-	-	178.1	300	7.97	34.223	1.41	26.69	136.1	.634			
187	9.36	34.117	2.53	-	-	-	164.6	400	7.33	34.322	.84	26.86	119.9	.768			
216	9.02	34.167	2.21	-	-	-	155.7	500	6.39	34.339	.47	27.00	106.5	.888			
245	8.38	34.147	2.05	-	-	-	147.7	600	5.68	34.383	.38	27.13	94.7	.996			
294	7.99	34.210	1.50	-	-	-	137.4										
348	7.82	34.321	.76	-	-	-	126.8										
431	6.98	34.322	.58	-	-	-	115.3										
514	6.28	34.344	1.11U	-	-	-	104.8										
597	5.70	34.381	.38	-	-	-	95.0										
113.40								CALCOFI CRUISE 6612								113.40	
ALEXANDER AGASSIZ, DECEMBER 11 1966, 1119 GMT, 29 00.5N 115 56W, SOUNDING 945 FM, WIND 360 FORCE 3, WEATHER CLOUDY, SEA MODERATE, WIRE ANGLE 06.																	
0	16.10	33.475	4.75	-	-	-	337.3	0	16.10	33.475	4.75	24.57	337.3	0			
10	16.08	33.474	4.78	-	-	-	336.9	10	16.08	33.474	4.78	24.58	336.9	.034			
30	15.52	33.435	4.87	-	-	-	327.8	20	15.96	33.460	4.82	24.59	335.4	.067			
39	14.66	33.407	5.64	-	-	-	312.1	30	15.52	33.435	4.87	24.67	327.8	.101			
54	13.67	33.437	5.21	-	-	-	290.2	50	13.90	33.428	5.41	25.01	295.3	.163			
69	12.78	33.384	5.13	-	-	-	277.1	75	12.44	33.417	4.92	25.30	268.3	.234			
95	11.45	33.611	4.02	-	-	-	236.4	100	11.24	33.658	3.86	25.71	229.3	.297			
115	10.77	33.803	3.36	-	-	-	210.6	125	10.66	33.912	2.89	26.01	200.7	.351			
135	10.59	34.003	2.49	-	-	-	192.8	150	10.40	34.053	2.40	26.17	185.9	.400			
155	10.30	34.058	2.39	-	-	-	183.9	200	8.87	34.094	2.57	26.45	158.8	.488			
184	9.18	34.062	2.71	-	-	-	165.9	250	8.61	34.221	1.70	26.59	145.6	.566			
218	8.70	34.142	2.27	-	-	-	152.7	300	7.77	34.223	1.27	26.72	133.4	.638			
248	8.64	34.219	1.72	-	-	-	146.1	400	6.96	34.266	.70	26.87	119.2	.770			
297	7.81	34.223	1.29	-	-	-	133.9	500	6.07	34.309	.51	27.02	104.8	.889			
352	7.28	34.232	.99	-	-	-	126.0	600	5.59	34.353	.38	27.11	95.8	.996			
436	6.72	34.294	.53	-	-	-	114.0										
521	5.91	34.316	.49	-	-	-	102.4										
605	5.58	34.356	.37	-	-	-	95.5										

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*Y	D*T	DD			
113.50								CALCOFI CRUISE 6612								113.50	
ALEXANDER AGASSIZ, DECEMBER 11 1966, 0527 GMT, 28 41.5N 116 37W, SOUNDING 1860 FM, WIND 340 FORCE 4, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 27.																	
0	17.22	33.459	5.63	-	-	-	363.2	0	17.22	33.459	5.63	24.30	363.2	0			
9	17.22	33.459	5.64	-	-	-	363.2	10	17.22	33.459	5.64	24.30	363.2	.036			
44	17.18	33.458	5.65	-	-	-	362.4	20	17.21	33.459	5.65	24.30	363.0	.073			
76	16.40	33.446	5.75	-	-	-	345.9	30	17.20	33.459	5.65	24.31	362.8	.109			
94	14.13	33.392	5.79	-	-	-	302.5	50	17.07	33.456	5.67	24.33	360.1	.182			
107	13.02	33.375	5.56	-	-	-	282.3	75	16.46	33.447	5.75	24.47	347.2	.270			
123	11.70	33.379	5.10	-	-	-	257.9	100	13.59	33.382	5.71	25.04	292.6	.351			
140	11.58	33.847	3.14	-	-	-	221.3	125	11.65	33.433	4.85	25.46	253.0	.420			
156	10.66	33.872	3.24	-	-	-	203.6	150	11.02	33.856	3.13	25.90	210.9	.479			
181	10.32	34.151	2.14	-	-	-	177.4	200	9.71	34.152	2.20	26.36	167.4	.575			
208	9.46	34.153	2.30	-	-	-	163.5	250	9.23	34.231	1.69	26.50	154.2	.658			
227	9.25	34.162	2.21	-	-	-	159.6	300	9.03	34.352	.90	26.63	142.0	.735			
258	9.22	34.260	1.48	-	-	-	151.8	400	7.88	34.352	.55	26.80	125.3	.875			
296	9.10	34.357	.91	-	-	-	142.8	500	7.05	34.384	.29	26.95	111.7	1.000			
344	8.14	34.275	.97	-	-	-	134.7										
420	7.78	34.392	.38	-	-	-	120.9										
503	7.02	34.383	.29	-	-	-	111.3										
573	6.20	34.359	.29	-	-	-	102.7										

113.60							CALCOFI CRUISE 6612							113.60						
ALEXANDER AGASSIZ, DECEMBER 10 1966, 2345 GMT, 28 22N 117 15.5W, SOUNDING 2318 FM, WIND 040 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 08.																				
0	17.80	33.631	5.61	-	-	-	363.9	0	17.80	33.631	5.61	24.29	363.9	0						
10	17.81	33.627	5.57	-	-	-	364.5	10	17.81	33.627	5.57	24.29	364.5	.036						
30	17.64	33.618	5.59	-	-	-	361.2	20	17.74	33.624	5.58	24.30	363.1	.073						
40	17.56	33.604	5.57	-	-	-	360.4	30	17.64	33.618	5.59	24.32	361.2	.109						
55	16.16	33.535	5.21	-	-	-	334.2	50	16.76	33.559	5.35	24.48	345.8	.180						
71	13.63	33.514	4.84	-	-	-	283.7	75	13.33	33.528	4.78	25.21	277.0	.258						
96	12.52	33.656	4.37	-	-	-	252.3	100	12.34	33.684	4.21	25.52	246.8	.324						
115	11.70	33.791	3.56	-	-	-	227.5	125	11.39	33.856	3.22	25.83	217.3	.383						
135	11.11	33.918	2.96	-	-	-	207.9	150	10.62	34.006	2.76	26.09	193.1	.435						
155	10.48	34.034	2.71	-	-	-	188.7	200	10.15	34.272	1.67	26.38	165.6	.527						
184	10.14	34.181	2.09	-	-	-	172.2	250	9.68	34.345	1.00	26.52	152.6	.609						
219	10.14	34.352	1.24	-	-	-	159.6	300	9.11	34.382	.96	26.64	141.1	.685						
248	9.70	34.344	1.01	-	-	-	153.1	400	7.83	34.370	.42	26.83	123.2	.823						
297	9.15	34.382	.98	-	-	-	141.7	500	6.67	34.345	.38	26.97	109.7	.947						
352	8.41	34.370	.58	-	-	-	131.5	600	5.88	34.376	.30	27.10	97.6	1.058						
436	7.42	34.370	.38	-	-	-	117.6													
521	6.47	34.344	.37	-	-	-	107.1													
604	5.86	34.379	.29	-	-	-	97.1													

113.70				CALCOFI CRUISE 6612										113.70			
ALEXANDER AGASSIZ, DECEMBER 10 1966, 1754 GMT, 28 03.5N 117 56W, SOUNDING 1632 FM, WIND 090 FORCE 4, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 22.																	
0	19.00	33.739	5.41	-	-	-	384.4	0	19.00	33.739	5.41	24.08	384.4	0			
9	19.00	33.736	5.39	-	-	-	384.6	10	19.00	33.735	5.39	24.08	384.7	.038			
10	19.00K	-	-	-	-	-	-	20	19.01	33.730	5.39	24.07	385.3	.077			
20	19.01K	-	-	-	-	-	-	30	19.02	33.740	5.45	24.07	384.8	.116			
28	19.02	33.735	5.40	-	-	-	385.2	50	18.60	33.670	5.81	24.13	379.9	.192			
30	19.02K	33.74 G	-	-	-	-	384.8	75	13.71	33.437	5.50	25.06	291.0	.277			
50	18.60K	33.67 G	-	-	-	-	379.9	100	11.61	33.560	4.54	25.56	242.9	.344			
57	15.46	33.352	5.88	-	-	-	332.6	125	10.41	33.779	3.77	25.95	206.3	.401			
66	14.50	33.406	5.70	-	-	-	308.9	150	9.85	33.905	3.28	26.14	188.0	.451			
80	13.30	33.450	5.36	-	-	-	282.1	200	8.65	34.047	2.45	26.45	159.0	.539			
93	12.12	33.491	4.81	-	-	-	257.1	250	8.34	34.206	1.64	26.62	142.7	.617			
107	11.18	33.639	4.30	-	-	-	229.7	300	7.93	34.256	.99	26.72	133.1	.688			
129	10.29	33.803	3.67	-	-	-	202.6	400	7.03	34.288	.63	26.88	118.4	.819			
147	9.92	33.883	3.37	-	-	-	190.7	500	6.28	34.336	.40	27.01	105.3	.938			
173	9.28	34.044	2.63	-	-	-	168.8										
198	8.66	34.040	2.46	-	-	-	159.7										
224	8.57	34.149	2.21	-	-	-	150.3										
269	8.14	34.228	1.22	-	-	-	138.2										
316	7.82	34.265	.95	-	-	-	130.9										
393	7.08	34.285	.65	-	-	-	119.4										
472	6.48	34.322	.45	-	-	-	108.9										
553	5.90	34.362	.35	-	-	-	98.8										

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	
113.80	CALCOFI CRUISE 6612												113.80		
ALEXANDER AGASSIZ, DECEMBER 10 1966, 1219 GMT, 27 40N 118 37.5W, SOUNDING 2080 FM, WIND 010 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 23.															
1	17.92	33.499	5.60	-	-	-	376.3	0	17.92	33.499	5.60	24.16	376.3	0	
9	17.90	33.495	5.57	-	-	-	376.2	10	17.90	33.495	5.56	24.17	376.2	.038	
20	17.92K	-	-	-	-	-	-	20	17.92	33.494	5.53	24.16	376.7	.075	
28	17.94	33.495	5.53	-	-	-	377.1	30	17.94	33.495	5.56	24.16	377.1	.113	
30	17.94K	-	-	-	-	-	-	50	17.93	33.490	5.91	24.15	377.2	.189	
50	17.93K	33.49 G	-	-	-	-	377.2	75	14.17	33.355	5.99	24.90	306.0	.275	
55	16.80	33.465	6.00	-	-	-	353.4	100	12.39	33.414	5.45	25.30	267.8	.347	
64	15.21	33.394	6.05	-	-	-	324.3	125	11.10	33.638	4.05	25.72	228.4	.410	
77	14.04	33.354	5.96	-	-	-	303.5	150	10.22	33.784	3.87	25.99	202.8	.464	
90	13.14	33.406	5.69	-	-	-	282.2	200	8.85	33.959	3.77	26.35	168.5	.559	
103	12.18	33.416	5.35	-	-	-	263.7	250	8.06	34.034	2.85	26.53	151.5	.641	
123	11.16	33.623	4.11	-	-	-	230.5	300	7.51	34.107	1.89	26.67	138.4	.716	
140	10.70	33.733	3.83	-	-	-	214.6	400	6.98	34.269	.68	26.87	119.2	.850	
164	9.54	33.844	3.98	-	-	-	187.6	500	6.30	34.341	.34	27.01	105.3	.969	
190	8.98	33.936	3.93	-	-	-	172.2								
215	8.68	33.987	3.47	-	-	-	163.9								
257	7.94	34.042	2.73	-	-	-	149.2								
304	7.48	34.113	1.81	-	-	-	137.6								
377	7.09	34.241	.82	-	-	-	122.8								
453	6.66	34.318	.44	-	-	-	111.5								
530	6.04	34.346	.32	-	-	-	101.7								

117.30							CALCOFI CRUISE 6612							117.30
ALEXANDER AGASSIZ, DECEMBER 12 1966, 0043 GMT, 28 48N 114 56.5W, SOUNDING 55 FM, WIND 340 FORCE 2, WEATHER PARTLY CLOUDY, SEA MODERATE, WIRE ANGLE 10.														
0	16.80	33.551	5.81	-	-	-	347.1	0	16.80	33.551	5.81	24.47	347.1	0
10	16.74	33.545	5.81	-	-	-	346.2	10	16.74	33.545	5.81	24.48	346.2	.035
20	16.56	33.542	5.74	-	-	-	342.5	20	16.56	33.542	5.74	24.52	342.5	.069
30	16.30	33.527	5.60	-	-	-	337.8	30	16.30	33.527	5.60	24.57	337.8	.103
49	12.10	33.508	4.56	-	-	-	255.5	50	11.97	33.512	4.51	25.46	252.8	.163
74	11.36	33.774	3.19	-	-	-	222.8	75	11.33	33.792	3.14	25.79	221.1	.222

117.35							CALCOFI CRUISE 6612							117.35
ALEXANDER AGASSIZ, DECEMBER 13 1966, 1039 GMT, 28 38N 115 16W, SOUNDING 104 FM, WIND 310 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 20.														
0	16.31	33.492	5.42	-	-	-	340.6	0	16.31	33.492	5.42	24.54	340.6	0
9	16.34	33.483	5.37	-	-	-	341.9	10	16.34	33.482	5.36	24.53	341.9	.034
28	16.16	33.465	5.26	-	-	-	339.3	20	16.30	33.475	5.26	24.53	341.6	.068
38	15.78	33.439	5.50	-	-	-	333.1	30	16.12	33.459	5.31	24.56	338.8	.102
52	14.20	33.436	5.36	-	-	-	300.7	50	14.44	33.436	5.40	24.91	305.3	.167
68	13.52	33.349	5.00	-	-	-	293.7	75	12.70	33.415	4.75	25.24	273.4	.240
80	12.12	33.483	4.52	-	-	-	257.7	100	11.42	33.751	3.27	25.75	225.5	.303
99	11.44	33.750	3.25	-	-	-	226.0	125	11.10	33.852	3.22	25.88	212.6	.358
122	11.10	33.833	3.28	-	-	-	214.0	150	11.09	34.081	2.12	26.06	195.5	.410
145	11.09	34.025	2.42	-	-	-	199.6							

117.40							CALCOFI CRUISE 6612							117.40
ALEXANDER AGASSIZ, DECEMBER 13 1966, 1306 GMT, 28 28N 115 35.5W, SOUNDING 490 FM, WIND 340 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 10.														
0	16.99	33.514	5.63	-	-	-	354.0	0	16.99	33.514	5.63	24.40	354.0	0
10	17.02	33.522	5.66	-	-	-	354.1	10	17.02	33.522	5.66	24.40	354.1	.035
29	16.18	33.480	5.77	-	-	-	338.7	20	16.84	33.506	5.72	24.43	351.4	.071
38	14.70	33.390	5.79	-	-	-	314.1	30	16.02	33.470	5.77	24.59	335.9	.105
54	13.44	33.354	5.66	-	-	-	291.8	50	13.64	33.351	5.75	25.01	295.9	.169
69	12.88	33.547	4.62	-	-	-	267.0	75	12.62	33.596	4.36	25.40	258.5	.238
93	11.82	33.713	3.80	-	-	-	235.4	100	11.52	33.772	3.57	25.75	225.7	.299
113	11.00	33.862	3.26	-	-	-	210.1	125	10.61	33.874	3.27	25.99	202.6	.354
132	10.40	33.887	3.30	-	-	-	198.2	150	9.91	33.979	3.09	26.19	183.5	.402
152	9.87	33.990	3.06	-	-	-	182.0	200	9.38	34.108	2.50	26.38	165.6	.492
181	9.66	34.041	2.89	-	-	-	174.9	250	9.10	34.286	1.36	26.56	148.0	.572
215	9.18	34.168	2.12	-	-	-	158.0	300	8.53	34.317	.90	26.68	137.3	.646
245	9.14	34.278	1.44	-	-	-	149.3	400	7.48	34.325	.46	26.84	121.8	.782
294	8.60	34.315	.92	-	-	-	138.4	500	6.71	34.344	.49	26.96	110.1	.905
348	8.00	34.322	.81	-	-	-	129.2	600	5.87	34.375	.22	27.10	97.5	1.016
432	7.20	34.328	.27	-	-	-	117.8							
516	6.58	34.348	.49	-	-	-	108.2							
600	5.87	34.375	.22	-	-	-	97.5							

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			
117.50								CALCOFI CRUISE 6612								117.50	
ALEXANDER AGASSIZ, DECEMBER 13 1966, 2334 GMT, 28 08N 116 15W, SOUNDING 2160 FM, WIND 330 FORCE 2, WEATHEN CLEAR, SEA ROUGH, WIRE ANGLE 07.																	
0	17.78	33.621	5.57	-	-	-	364.2	0	17.78	33.621	5.57	24.29	364.2	0			
10	17.42	33.593	5.55	-	-	-	358.0	10	17.42	33.593	5.55	24.36	358.0	.036			
30	16.91	33.541	5.66	-	-	-	350.3	20	17.14	33.568	5.59	24.40	353.5	.072			
40	16.71	33.509	5.73	-	-	-	348.2	30	16.91	33.541	5.66	24.44	350.3	.107			
55	14.46	33.447	5.52	-	-	-	305.1	50	15.29	33.461	5.64	24.74	321.0	.174			
71	13.14	33.534	4.81	-	-	-	272.8	75	12.80	33.770	4.44	25.50	249.1	.246			
75	12.80K	33.77 G	-	-	-	-	249.1	100	12.39	33.872	3.05	25.66	234.0	.307			
95	12.66	33.895	2.96	-	-	-	237.3	125	11.27	33.876	3.14	25.87	213.7	.364			
115	11.54	33.811	3.44	-	-	-	223.2	150	11.55	34.181	1.82	26.06	196.2	.416			
135	11.20	33.984	2.64	-	-	-	204.6	200	10.13	34.195	1.93	26.32	171.0	.509			
154	11.64	34.227	1.63	-	-	-	194.3	250	9.42	34.320	1.18	26.54	150.4	.592			
184	10.69	34.224	1.77	-	-	-	178.2	300	8.98	34.353	.72	26.63	141.3	.668			
218	9.62	34.184	1.97	-	-	-	163.7	400	7.87	34.361	.50	26.81	124.5	.807			
247	9.44	34.314	1.23	-	-	-	151.2	500	6.64	34.369	.33	26.99	107.5	.930			
296	9.02	34.351	.74	-	-	-	142.0	600	5.77	34.371	.27	27.11	96.6	1.040			
350	8.50	34.370	.54	-	-	-	132.9										
434	7.42	34.353	.47	-	-	-	118.9										
518	6.46	34.371	.31	-	-	-	105.0										
602	5.76	34.371	.27	-	-	-	96.5										
117.60								CALCOFI CRUISE 6612								117.60	
ALEXANDER AGASSIZ, DECEMBER 14 1966, 0559 GMT, 27 49.5N 116 57W, SOUNDING 1910 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 21.																	
1	18.91	33.739	5.39	-	-	-	382.3	0	18.91	33.739	5.39	24.10	382.3	0			
10	18.90	33.737	5.41	-	-	-	382.2	10	18.90	33.737	5.41	24.10	382.2	.038			
29	18.92	33.737	5.40	-	-	-	382.6	20	18.91	33.737	5.41	24.10	382.5	.077			
38	18.90	33.736	5.39	-	-	-	382.2	30	18.92	33.737	5.39	24.10	382.6	.115			
50	15.80K	33.42 G	-	-	-	-	334.9	50	15.80	33.420	5.91	24.60	334.9	.187			
52	15.68	33.415	5.99	-	-	-	332.7	75	13.59	33.420	5.58	25.07	289.9	.265			
66	14.24	33.411	5.75	-	-	-	303.3	100	12.30	33.614	4.27	25.48	251.3	.334			
89	12.82	33.484	5.09	-	-	-	270.5	125	11.12	33.829	3.26	25.86	214.7	.392			
106	12.03	33.690	3.83	-	-	-	240.8	150	10.25	33.949	2.89	26.11	191.2	.444			
124	11.16	33.823	3.28	-	-	-	215.7	200	9.49	34.152	2.25	26.40	164.0	.535			
141	10.57	33.908	2.99	-	-	-	199.5	250	8.87	34.210	1.66	26.54	150.3	.615			
166	9.78	34.017	2.73	-	-	-	178.6	300	8.19	34.234	1.29	26.67	138.4	.690			
196	9.52	34.140	2.32	-	-	-	165.4	400	7.65	34.379	.39	26.86	120.1	.825			
222	9.30	34.199	1.91	-	-	-	157.6	500	6.61	34.377	.25	27.00	106.4	.945			
266	8.61	34.216	1.56	-	-	-	145.9										
314	8.05	34.246	1.17	-	-	-	135.6										
390	7.77	34.381	.41	-	-	-	121.6										
469	6.91	34.375	.28	-	-	-	110.5										
551	6.16	34.386	.24	-	-	-	100.2										
117.70								CALCOFI CRUISE 6612								117.70	
ALEXANDER AGASSIZ, DECEMBER 14 1966, 1003 GMT, 27 32.5N 117 31W, SOUNDING 1960 FM, WIND 340 FORCE 4, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 07.																	
0	18.96	33.739	5.57	-	-	-	383.5	0	18.96	33.739	5.57	24.09	383.5	0			
10	18.94	33.740	5.41	-	-	-	382.9	10	18.94	33.740	5.41	24.09	382.9	.038			
20	18.98K	-	-	-	-	-	-	20	18.98	33.739	5.40	24.08	383.9	.077			
30	19.00	33.737	5.42	-	-	-	384.6	30	19.00	33.737	5.42	24.08	384.6	.115			
60	13.96	33.486	5.11	-	-	-	292.2	50	15.86	33.545	5.25	24.68	327.2	.187			
70	13.08	33.568	4.55	-	-	-	269.2	75	12.66	33.602	4.32	25.40	258.8	.260			
86	11.91	33.679	3.92	-	-	-	239.5	100	11.48	33.809	3.58	25.78	222.3	.321			
100	11.48	33.809	3.58	-	-	-	222.3	125	10.64	33.903	3.08	26.01	201.0	.375			
115	10.95	33.863	3.32	-	-	-	209.2	150	9.96	34.011	2.83	26.21	181.9	.423			
140	10.22	33.966	2.80	-	-	-	189.4	200	8.88	34.120	2.40	26.47	157.0	.510			
160	9.72	34.051	2.87	-	-	-	175.1	250	8.43	34.211	1.65	26.61	143.7	.587			
190	9.10	34.110	2.45	-	-	-	161.1	300	8.12	34.289	1.43	26.72	133.3	.659			
219	8.54	34.140	2.34	-	-	-	150.5	400	7.42	34.368	.42	26.88	117.8	.790			
249	8.44	34.209	1.66	-	-	-	143.9	500	6.45	34.367	.30	27.02	105.2	.908			
299	8.12	34.287	1.45	-	-	-	133.5	600	5.81	34.395	.24	27.12	95.2	1.016			
354	7.90	34.373	.51	-	-	-	124.0										
439	6.96	34.347	.36	-	-	-	113.2										
523	6.28	34.374	.28	-	-	-	102.5										
607	5.77	34.397	.24	-	-	-	94.7										

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*Y	D*T	DD			
117.80								CALCOFI CRUISE 6612								117.80	
ALEXANDER AGASSIZ, DECEMBER 14 1966, 1455 GMT, 27 14N 118 08.5W, SOUNDING 2100 FM, WIND 060 FORCE 4, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 10.																	
0	18.38	33.648	5.45	-	-	-	376.2	0	18.38	33.648	5.45	24.16	376.2	0			
10	18.38	33.647	5.48	-	-	-	376.3	10	18.38	33.647	5.48	24.16	376.3	.038			
20	18.39K	33.65 G	-	-	-	-	376.3	20	18.39	33.650	5.45	24.16	376.3	.075			
30	18.40	33.648	5.45	-	-	-	376.7	30	18.40	33.648	5.45	24.16	376.7	.113			
50	18.40K	33.65 G	-	-	-	-	376.6	50	18.40	33.650	5.85	24.16	376.6	.189			
60	15.30	33.348	5.97	-	-	-	329.6	75	13.76	33.376	5.61	25.00	296.4	.273			
70	14.12	33.350	5.76	-	-	-	305.4	100	11.96	33.486	4.81	25.44	254.6	.343			
85	13.16	33.438	5.28	-	-	-	280.3	125	11.07	33.737	3.81	25.80	220.5	.403			
100	11.96	33.486	4.81	-	-	-	254.6	150	9.85	33.830	3.65	26.08	193.5	.455			
114	11.56	33.656	4.14	-	-	-	235.0	200	9.30	34.106	2.48	26.39	164.5	.546			
139	10.37	33.800	3.61	-	-	-	204.2	250	8.82	34.228	1.47	26.56	148.1	.627			
158	9.54	33.853	3.66	-	-	-	186.9	300	7.72	34.188	1.40	26.70	135.2	.700			
187	9.45	34.059	2.77	-	-	-	170.3	400	6.85	34.274	.60	26.89	117.2	.832			
216	9.10	34.146	2.15	-	-	-	158.4	500	6.22	34.332	.41	27.02	104.9	.949			
246	8.90	34.229	1.50	-	-	-	149.3	600	5.68	34.378	.30	27.12	95.1	1.056			
295	7.79	34.186	1.44	-	-	-	136.4										
350	7.20	34.231	.91	-	-	-	125.0										
433	6.66	34.300	.47	-	-	-	112.8										
517	6.12	34.340	.39	-	-	-	103.1										
601	5.68	34.378	.30	-	-	-	95.0										

118.39							CALCOFI CRUISE 6612							118.39		
ALEXANDER AGASSIZ, DECEMBER 13 1966, 0742 GMT, 28 17.5N 115 24W, SOUNDING 134 FM, WIND 010 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 13.																
0	16.53	33.525	5.70	-	-	-	343.0	0	16.53	33.525	5.70	24.51	343.0	0		
10	16.50	33.519	5.68	-	-	-	342.8	10	16.50	33.519	5.68	24.52	342.8	.034		
30	16.26	33.501	5.62	-	-	-	338.9	20	16.40	33.511	5.65	24.53	341.2	.069		
44	14.77	33.414	5.41	-	-	-	313.8	30	16.26	33.501	5.62	24.56	338.9	.103		
54	13.63	33.371	5.32	-	-	-	294.2	50	14.07	33.380	5.38	24.94	302.2	.167		
68	12.62	33.515	4.53	-	-	-	264.5	75	12.22	33.566	4.25	25.45	253.4	.237		
83	11.84	33.622	3.98	-	-	-	242.5	100	11.26	33.779	3.44	25.80	220.6	.297		
102	11.20	33.797	3.39	-	-	-	218.3	125	10.49	33.899	3.15	26.03	198.8	.350		
125	10.49	33.899	3.15	-	-	-	198.8	150	9.95	33.971	3.00	26.18	184.7	.398		
144	10.12	33.950	3.02	-	-	-	189.0									
173	9.61	34.066	2.67	-	-	-	172.3									
198	9.80	34.198	1.81	-	-	-	165.5									

119.33							CALCOFI CRUISE 6612							119.33		
ALEXANDER AGASSIZ, DECEMBER 12 1966, 1347 GMT, 28 19N 114 53W, SOUNDING 57 FM, WIND 340 FORCE 2, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 03.																
0	17.47	33.994	5.60	-	-	-	329.9	0	17.47	33.994	5.60	24.65	329.9	0		
10	17.46	33.591	5.56	-	-	-	359.1	10	17.46	33.591	5.56	24.34	359.1	.034		
25	17.41	33.587	5.55	-	-	-	358.2	20	17.43	33.588	5.54	24.35	358.5	.070		
35	16.24	33.495	5.72	-	-	-	338.9	30	16.82	33.540	5.64	24.46	348.3	.106		
45	16.11	33.493	5.69	-	-	-	336.2	50	15.74	33.461	5.63	24.64	330.6	.174		
60	14.72	33.408	5.53	-	-	-	313.2	75	13.10	33.485	5.57	25.22	275.7	.250		
75	13.10	33.485	5.57	-	-	-	275.7	100	11.50	33.739	3.29	25.72	227.8	.314		
100	11.50	33.739	3.29	-	-	-	227.8									

120.45							CALCOFI CRUISE 6612							120.45			
ALEXANDER AGASSIZ, DECEMBER 15 1966, 1426 GMT, 27 43N 115 33W, SOUNDING 1305 FM, WIND 350 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 07.																	
0	17.92	33.725	5.46	-	-	-	359.9	0	17.92	33.725	5.46	24.34	359.9	0			
10	17.87	33.729	5.49	-	-	-	358.4	10	17.87	33.729	5.49	24.35	358.4	.036			
20	17.68K	33.73 G	5.49G	-	-	-	354.0	20	17.68	33.730	5.49	24.40	354.0	.072			
30	17.41	33.769	5.50	-	-	-	345.0	30	17.41	33.769	5.50	24.49	345.0	.107			
40	15.35	33.526	5.20	-	-	-	317.6	50	13.96	33.502	4.89	25.06	291.0	.170			
56	13.40	33.534	4.69	-	-	-	277.8	75	12.53	33.707	3.95	25.51	248.6	.238			
71	12.76	33.675	4.11	-	-	-	255.3	100	11.41	33.910	2.99	25.87	213.6	.297			
95	11.50	33.862	3.20	-	-	-	218.8	125	10.85	34.033	2.50	26.07	194.9	.348			
115	11.18	34.027	2.50	-	-	-	201.0	150	9.99	34.067	2.56	26.25	178.2	.396			
135	10.48	34.042	2.58	-	-	-	188.1	200	9.69	34.279	1.43	26.46	157.8	.481			
155	9.85	34.079	2.54	-	-	-	175.1	250	9.40	34.354	.90	26.57	147.6	.560			
185	9.66	34.214	1.76	-	-	-	162.1	300	9.43	34.456	.43	26.64	140.5	.635			
219	9.71	34.340	1.10	-	-	-	153.6	400	7.81	34.357	.51	26.82	123.9	.774			
249	9.40	34.352	.91	-	-	-	147.8	500	6.87	34.379	.25	26.97	109.6	.897			
299	9.44	34.457	.43	-	-	-	140.6	600	6.06	34.395	.19	27.09	98.3	1.009			
355	8.42	34.357	.62	-	-	-	132.6										
439	7.38	34.378	.35	-	-	-	116.5										
523	6.68	34.381	.22	-	-	-	107.0										
607	6.01	34.397	.19	-	-	-	97.5										

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			
120.50								CALCOFI CRUISE 6612								120.50	
ALEXANDER AGASSIZ, DECEMBER 15 1966, 1120 GMT, 27 32N 115 52.5W, SOUNDING 2050 FM, WIND 100 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 10.																	
0	17.84	33.684	5.51	-	-	-	361.0	0	17.84	33.684	5.51	24.32	361.0	0			
10	17.84	33.679	5.51	-	-	-	361.4	10	17.84	33.679	5.51	24.32	361.4	.036			
20	17.84K	-	-	-	-	-	-	20	17.84	33.677	5.55	24.32	361.5	.072			
30	17.84	33.676	5.52	-	-	-	361.6	30	17.84	33.676	5.52	24.32	361.6	.109			
40	16.10	33.527	5.32	-	-	-	333.5	50	14.48	33.509	5.00	24.96	300.9	.175			
54	13.92	33.510	4.84	-	-	-	289.7	75	12.28	33.650	4.01	25.51	248.3	.244			
69	12.66	33.605	4.19	-	-	-	258.6	100	11.14	33.835	3.56	25.85	215.4	.303			
94	11.40	33.795	3.63	-	-	-	222.0	125	10.64	33.984	3.02	26.07	195.0	.354			
114	10.82	33.922	3.36	-	-	-	202.6	150	10.61	34.136	2.13	26.19	183.3	.403			
134	10.56	34.035	2.69	-	-	-	189.9	200	9.66	34.208	1.91	26.41	162.5	.491			
154	10.62	34.158	2.01	-	-	-	181.9	250	9.18	34.277	1.33	26.54	150.0	.571			
183	10.01	34.199	1.96	-	-	-	168.8	300	8.82	34.350	.84	26.66	139.1	.646			
218	9.36	34.214	1.80	-	-	-	157.4	400	7.74	34.359	.51	26.83	122.9	.783			
247	9.20	34.271	1.37	-	-	-	150.7	500	6.68	34.362	.28	26.98	108.5	.906			
298	8.84	34.349	.85	-	-	-	139.5	600	5.98	34.394	.21	27.10	97.4	1.017			
351	8.31	34.358	.62	-	-	-	131.0										
435	7.34	34.360	.46	-	-	-	117.3										
519	6.52	34.363	.25	-	-	-	106.4										
603	5.97	34.396	.21	-	-	-	97.1										
120.60								CALCOFI CRUISE 6612								120.60	
ALEXANDER AGASSIZ, DECEMBER 15 1966, 0609 GMT, 27 12N 116 29.5W, SOUNDING 1980 FM, WIND 360 FORCE 3, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 08.																	
0	19.34	33.837	5.32	-	-	-	385.6	0	19.34	33.837	5.32	24.07	385.6	0			
10	19.34	33.909U	5.38	-	-	-	380.3	10	19.34	33.835	5.38	24.07	385.7	.039			
20	19.34K	-	-	-	-	-	-	20	19.34	33.833	5.39	24.06	385.8	.077			
30	19.35	33.832	5.39	-	-	-	386.2	30	19.35	33.832	5.39	24.06	386.2	.116			
50	19.35K	33.83 G	-	-	-	-	386.3	50	19.35	33.830	5.64	24.06	386.3	.193			
60	18.24	33.725	5.82	-	-	-	367.4	75	15.80	33.510	5.94	24.67	328.3	.283			
70	16.29	33.538	6.00	-	-	-	336.8	100	14.64	33.687	5.30	25.06	291.1	.361			
75	15.80K	-	-	-	-	-	-	125	12.55	33.671	4.50	25.47	251.7	.430			
84	14.93	33.494	5.73	-	-	-	311.2	150	11.32	33.792	3.78	25.80	220.7	.490			
100	14.64	33.687	5.30	-	-	-	291.1	200	9.66	34.049	2.86	26.29	174.3	.590			
115	13.14	33.661	4.83	-	-	-	263.5	250	9.28	34.270	1.49	26.52	152.0	.674			
140	11.88	33.725	4.04	-	-	-	235.6	300	8.64	34.298	1.08	26.65	140.3	.750			
159	10.84	33.857	3.57	-	-	-	207.8	400	7.48	34.318	.60	26.84	122.3	.887			
188	9.87	33.992	3.17	-	-	-	181.9	500	6.61	34.341	.35	26.97	109.2	1.010			
218	9.47	34.134	2.34	-	-	-	165.0	600	5.88	34.380		27.10	97.2	1.121			
247	9.31	34.264	1.54	-	-	-	152.9										
296	8.68	34.297	1.10	-	-	-	140.9										
350	8.14	34.303	.92	-	-	-	132.6										
434	7.05	34.329	.45	-	-	-	115.7										
519	6.48	34.346	.33	-	-	-	107.1										
602	5.86	34.381	.04U	-	-	-	96.9										
120.70								CALCOFI CRUISE 6612								120.70	
ALEXANDER AGASSIZ, DECEMBER 15 1966, 0040 GMT, 26 52.5N 117 09W, SOUNDING 2080 FM, WIND 350 FORCE 4, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 16.																	
0	19.94	33.903	5.28	-	-	-	395.6	0	19.94	33.903	5.28	23.96	395.6	0			
9	19.86	33.899	5.41	-	-	-	393.9	10	19.85	33.899	5.41	23.98	393.7	.039			
29	19.82	33.897	5.36	-	-	-	393.0	20	19.83	33.898	5.39	23.99	393.2	.079			
30	19.82K	-	-	-	-	-	-	30	19.82	33.889	5.38	23.98	393.6	.118			
58	16.50	33.586	5.93	-	-	-	337.9	50	17.75	33.687	5.80	24.35	358.7	.194			
69	15.34	33.484	5.82	-	-	-	320.5	75	15.20	33.530	5.70	24.82	314.2	.278			
75	15.20K	33.53 G	-	-	-	-	314.2	100	14.42	33.797	5.13	25.19	278.7	.353			
83	15.62	33.775	5.51	-	-	-	305.1	125	12.72	33.813	4.81	25.55	244.4	.419			
97	14.64	33.791	5.20	-	-	-	283.5	150	11.56	33.854	3.93	25.80	220.4	.478			
112	13.58	33.820	4.90	-	-	-	260.3	200	10.05	34.134	2.35	26.29	174.2	.579			
135	12.15	33.811	4.78	-	-	-	234.1	250	9.64	34.306	1.29	26.49	154.9	.663			
154	11.43	33.872	3.68	-	-	-	216.8	300	9.20	34.411	.60	26.64	140.4	.740			
183	10.50	34.075	2.73	-	-	-	186.0	400	7.96	34.400	.36	26.83	122.8	.878			
211	9.83	34.164	2.14	-	-	-	168.5	500	7.10	34.428	.16	26.98	108.9	1.001			
241	9.68	34.276	1.47	-	-	-	157.8	600	6.06	34.382	.21	27.08	99.3	1.113			
289	9.35	34.401	.69	-	-	-	143.4										
342	8.58	34.417	.43	-	-	-	130.5										
424	7.74	34.393	.33	-	-	-	120.3										
508	7.02	34.428	.15	-	-	-	107.9										
591	6.16	34.390	.19	-	-	-	99.9										

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	CD			
120.80								CALCOFI CRUISE 6612								120.80	
ALEXANDER AGASSIZ, DECEMBER 14 1966, 2002 GMT, 26 34N 117 47.5W, SOUNDING 2090 FM, WIND 350 FORCE 3, WEATHER PARTLY CLOUDY, SEA ROUGH, WIRE ANGLE 10.																	
0	18.81	33.66 G	4.85U	-	-	-	385.6	0	18.81	33.660		24.07	385.6	0			
10	18.63	33.656	5.37	-	-	-	381.6	10	18.63	33.656	5.37	24.11	381.6	.038			
20	18.63K	-	-	-	-	-	-	20	18.63	33.655	5.21	24.11	381.7	.077			
30	18.63	33.656	5.18	-	-	-	381.6	30	18.63	33.656	5.18	24.11	381.6	.115			
50	18.62K	33.66 G	-	-	-	-	381.1	50	18.62	33.660	5.56	24.11	381.1	.191			
59	16.74	33.420	5.81	-	-	-	355.3	75	15.05	33.446	5.92	24.78	317.3	.279			
69	15.52	33.405	6.00	-	-	-	330.0	100	13.23	33.481	5.30	25.19	278.5	.354			
83	14.54	33.504	5.72	-	-	-	302.5	125	11.69	33.698	4.04	25.66	234.2	.419			
99	13.30	33.477	5.34	-	-	-	280.1	150	10.62	33.874	3.42	25.99	202.8	.474			
113	12.44	33.571	4.69	-	-	-	257.1	200	9.52	34.092	2.68	26.34	169.0	.569			
138	11.00	33.826	3.48	-	-	-	212.8	250	9.07	34.227	1.63	26.52	152.0	.652			
157	10.44	33.892	3.38	-	-	-	198.5	300	8.68	34.338	.86	26.67	137.9	.727			
187	9.62	34.016	3.12	-	-	-	176.1	400	7.72	34.387	.37	26.86	120.4	.862			
216	9.46	34.174	2.11	-	-	-	161.9	500	6.85	34.400	.23	26.99	107.9	.983			
246	9.10	34.217	1.70	-	-	-	153.2	600	6.13	34.421	.22	27.10	97.1	1.094			
296	8.72	34.333	.90	-	-	-	138.9										
350	8.20	34.373	.53	-	-	-	128.3										
435	7.39	34.391	.31	-	-	-	115.6										
520	6.70	34.403	.22	-	-	-	105.7										
604	6.10	34.422	.22	-	-	-	96.7										
123.37								CALCOFI CRUISE 6612								123.37	
ALEXANDER AGASSIZ, DECEMBER 15 1966, 2054 GMT, 27 24.5N 114 40W, SOUNDING 38 FM, WIND 240 FORCE 1, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 00.																	
0	18.11	33.832	5.54	-	-	-	356.5	0	18.11	33.832	5.54	24.37	356.5	0			
10	17.96	33.828	5.55	-	-	-	353.3	10	17.96	33.828	5.55	24.41	353.3	.036			
20	17.96	33.829	5.58	-	-	-	353.2	20	17.96	33.829	5.58	24.41	353.2	.071			
30	17.48	33.767	5.51	-	-	-	346.7	30	17.48	33.767	5.51	24.47	346.7	.106			
50	14.96	33.833	3.73	-	-	-	287.0	50	14.96	33.833	3.73	25.10	287.0	.170			
123.42								CALCOFI CRUISE 6612								123.42	
ALEXANDER AGASSIZ, DECEMBER 15 1966, 2323 GMT, 27 14N 114 59.5W, SOUNDING 975 FM, WIND 310 FORCE 3, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 03.																	
0	17.50	33.774	5.14	-	-	-	346.6	0	17.50	33.774	5.14	24.48	346.6	0			
10	16.92	33.737	5.65	-	-	-	336.2	10	16.92	33.737	5.65	24.58	336.2	.034			
30	16.66	33.702	5.61	-	-	-	333.0	20	16.81	33.715	5.72	24.59	335.3	.068			
50	16.00K	33.68 G	-	-	-	-	320.2	30	16.66	33.702	5.61	24.62	333.0	.101			
60	14.16	33.627	4.93	-	-	-	285.9	50	16.00	33.680	5.37	24.75	320.2	.167			
70	12.44	33.553	4.01	-	-	-	258.4	75	12.04	33.596	3.91	25.51	247.9	.238			
85	11.70	33.731	3.78	-	-	-	231.9	100	11.56	33.855	3.85	25.80	220.3	.297			
100	11.56	33.855	3.85	-	-	-	220.3	125	10.74	33.993	2.61	26.06	195.9	.350			
115	11.02	33.946	2.89	-	-	-	204.3	150	10.28	34.103	2.34	26.22	180.3	.398			
160	10.20	34.143	2.18	-	-	-	176.0	200	10.27	34.337	1.32	26.41	162.9	.485			
190	10.30	34.291	1.53	-	-	-	166.7	250	10.38	34.508	.49	26.52	152.0	.567			
221	10.23	34.422	.91	-	-	-	155.9	300	9.02	34.353	.87	26.63	141.9	.643			
251	10.38	34.509	.48	-	-	-	151.9	400	8.05	34.388	.43	26.81	125.0	.783			
301	8.99	34.349	.88	-	-	-	141.7	500	7.03	34.382	.32	26.95	111.5	.908			
356	8.43	34.377	.56	-	-	-	131.3	600	6.30	34.422	.17	27.08	99.2	1.022			
441	7.70	34.392	.37	-	-	-	119.8										
526	6.79	34.385	.29	-	-	-	108.2										
610	6.26	34.430	.15	-	-	-	98.1										
123.50								CALCOFI CRUISE 6612								123.50	
ALEXANDER AGASSIZ, DECEMBER 16 1966, 0358 GMT, 26 57N 115 30.5W, SOUNDING 1740 FM, WIND 310 FORCE 3, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 15.																	
0	18.45	33.717	5.47	-	-	-	372.9	0	18.45	33.717	5.47	24.20	372.9	0			
10	18.44	33.713	5.47	-	-	-	372.9	10	18.44	33.713	5.47	24.20	372.9	.037			
29	17.99	33.670	5.49	-	-	-	365.5	20	18.33	33.698	5.49	24.21	371.5	.075			
58	14.40	33.463	5.26	-	-	-	302.7	30	17.88	33.660	5.48	24.30	363.6	.111			
68	13.68	33.504	5.32	-	-	-	285.4	50	15.45	33.504	5.31	24.74	321.4	.180			
82	12.40	33.491	5.01	-	-	-	262.2	75	13.00	33.492	5.23	25.25	273.3	.255			
97	12.08	33.666	4.12	-	-	-	243.5	100	11.95	33.686	4.03	25.60	239.8	.320			
111	11.44	33.744	3.79	-	-	-	226.4	125	10.85	33.818	3.43	25.90	210.9	.377			
136	10.48	33.881	3.18	-	-	-	200.0	150	10.20	33.988	2.97	26.15	187.4	.427			
155	10.11	34.021	2.93	-	-	-	183.6	200	9.01	34.041	3.08	26.39	164.8	.517			
184	9.36	34.021	3.29	-	-	-	171.7	250	8.96	34.243	1.47	26.55	149.2	.598			
213	8.83	34.074	2.74	-	-	-	159.7	300	8.64	34.354	.77	26.69	136.1	.671			
241	8.98	34.210	1.69	-	-	-	151.9	400	7.63	34.365	.30	26.85	120.9	.806			
289	8.73	34.342	.86	-	-	-	138.3	500	6.84	34.387	.18	26.98	108.6	.928			
342	8.26	34.372	.57	-	-	-	129.2	600	5.88	34.393	.17	27.11	96.3	1.038			
425	7.37	34.359	.22	-	-	-	117.7										
508	6.77	34.389	.18	-	-	-	107.6										
591	5.98	34.393	.17	-	-	-	97.5										

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			
123.60								CALCOFI CRUISE 6612								123.60	
ALEXANDER AGASSIZ, DECEMBER 16 1966, 0909 GMT, 26 36.5N 116 10W, SOUNDING 2047 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 20.																	
0	19.60	33.952	5.35	-	-	-	383.6	0	19.60	33.952	5.35	24.09	383.6	0			
10	19.59	33.952	5.33	-	-	-	383.3	10	19.59	33.952	5.33	24.09	383.3	.038			
29	19.63	33.954	5.32	-	-	-	384.2	20	19.61	33.953	5.32	24.09	383.7	.077			
52	19.63	33.953	5.36	-	-	-	384.2	30	19.63	33.954	5.32	24.08	384.2	.115			
61	19.58	33.954	-	-	-	-	382.9	50	19.63	33.953	5.34	24.08	384.4	.192			
70	17.56	33.775	5.92	-	-	-	347.9	75	17.36	33.780	5.88	24.51	343.0	.284			
75	17.36K	33.78 G	-	-	-	-	343.0	100	15.88	33.701	5.61	24.80	316.0	.367			
85	16.94	33.805	5.72	-	-	-	331.7	125	13.19	33.471	5.27	25.19	278.4	.442			
99	15.99	33.718	5.61	-	-	-	317.2	150	11.76	33.738	3.77	25.67	232.5	.507			
121	13.50	33.438	5.53	-	-	-	286.8	200	10.10	34.041	2.81	26.21	181.9	.612			
140	12.26	33.663	4.19	-	-	-	247.0	250	9.03	34.163	2.08	26.48	156.1	.699			
162	11.25	33.809	3.45	-	-	-	218.3	300	8.21	34.189	1.55	26.63	142.1	.776			
189	10.28	33.972	3.16	-	-	-	190.0	400	7.76	34.347	.48	26.82	124.0	.915			
215	9.89	34.120	2.33	-	-	-	172.7	500	6.79	34.381	.23	26.98	108.5	1.038			
251	9.00	34.164	2.07	-	-	-	155.6										
302	8.19	34.190	1.53	-	-	-	141.7										
374	8.18	34.363	.54	-	-	-	128.7										
443	7.22	34.343	.38	-	-	-	116.9										
519	6.72	34.404	.17	-	-	-	105.8										
127.34								CALCOFI CRUISE 6612								127.34	
ALEXANDER AGASSIZ, DECEMBER 17 1966, 0935 GMT, 26 55.5N 114 06.5W, SOUNDING 45 FM, WIND 040 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 04.																	
0	18.84	33.998	5.37	-	-	-	361.8	0	18.84	33.998	5.37	24.32	361.8	0			
10	18.84	33.990	5.40	-	-	-	362.3	10	18.84	33.990	5.40	24.31	362.3	.036			
20	18.83	33.984	5.40	-	-	-	362.5	20	18.83	33.984	5.40	24.31	362.5	.073			
30	17.73	33.861	5.31	-	-	-	345.6	30	17.73	33.861	5.31	24.49	345.6	.108			
50	15.58	33.731	4.72	-	-	-	307.5	50	15.58	33.731	4.72	24.89	307.5	.174			
75	13.87	33.762	3.80	-	-	-	270.2	75	13.87	33.762	3.80	25.28	270.2	.246			
127.40								CALCOFI CRUISE 6612								127.40	
ALEXANDER AGASSIZ, DECEMBER 17 1966, 0615 GMT, 26 49N 114 30W, SOUNDING 1760 FM, WIND 320 FORCE 2, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 00.																	
0	19.96	33.997	5.24	-	-	-	389.2	0	19.96	33.997	5.24	24.03	389.2	0			
10	19.92	33.992	5.30	-	-	-	388.6	10	19.92	33.992	5.30	24.03	388.6	.039			
20	19.92K	-	-	-	-	-	-	20	19.92	33.990	5.30	24.03	388.8	.078			
30	19.92	33.988	5.31	-	-	-	388.9	30	19.92	33.988	5.31	24.03	388.9	.117			
40	19.18	33.886	5.35	-	-	-	378.1	50	14.93	33.680	4.85	24.99	297.6	.186			
50	14.93K	33.68 G	-	-	-	-	297.6	75	13.56	33.846	3.20	25.41	258.1	.256			
55	14.48	33.679	4.48	-	-	-	288.5	100	12.74	33.981	2.57	25.68	232.4	.317			
70	13.72	33.821	3.37	-	-	-	263.0	125	11.80	34.164	1.82	26.00	201.8	.372			
95	12.98	33.939	2.76	-	-	-	240.1	150	11.66	34.365	1.10	26.18	184.6	.422			
115	12.06	34.110	2.02	-	-	-	210.5	200	11.37	34.573	.50	26.39	164.1	.511			
135	11.66	34.221	1.62	-	-	-	195.1	250	10.46	34.531	.46	26.53	151.6	.592			
156	11.69	34.423	.90	-	-	-	180.8	300	9.18	34.410	.66	26.65	140.1	.668			
186	11.55	34.560	.52	-	-	-	168.2	400	8.01	34.392	.45	26.82	124.1	.807			
221	11.02	34.560	.47	-	-	-	159.0	500	6.97	34.380	.30	26.96	110.8	.931			
251	10.44	34.530	.46	-	-	-	151.4	600	6.13	34.404	.27	27.09	98.4	1.044			
301	9.16	34.408	.66	-	-	-	139.9										
356	8.46	34.384	.59	-	-	-	131.2										
441	7.62	34.403	.33	-	-	-	117.9										
526	6.72	34.379	.29	-	-	-	107.7										
610	6.06	34.411	.27	-	-	-	97.1										
127.50								CALCOFI CRUISE 6612								127.50	
ALEXANDER AGASSIZ, DECEMBER 17 1966, 0025 GMT, 26 22N 115 08W, SOUNDING 1720 FM, WIND 320 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 17.																	
0	20.09	34.022	5.28	-	-	-	390.7	0	20.09	34.022	5.28	24.01	390.7	0			
10	19.72	34.013	5.30	-	-	-	382.1	10	19.72	34.013	5.30	24.10	382.1	.039			
29	18.80	33.960	5.40	-	-	-	363.6	20	19.34	34.000	5.39	24.19	373.8	.077			
40	17.62	33.841	5.18	-	-	-	344.5	30	18.73	33.950	5.39	24.31	362.5	.113			
54	14.44	33.742	4.16	-	-	-	283.1	50	15.33	33.759	4.47	24.96	300.1	.180			
68	13.51	33.806	3.57	-	-	-	260.0	75	13.00	33.819	3.41	25.50	249.3	.249			
92	11.93	33.870	3.09	-	-	-	225.8	100	11.60	33.931	2.85	25.85	215.4	.308			
110	11.30	34.022	2.51	-	-	-	203.5	125	11.07	34.160	1.93	26.13	189.4	.359			
128	11.06	34.187	1.81	-	-	-	187.2	150	11.04	34.328	1.27	26.26	176.4	.405			
146	11.22	34.333	1.24	-	-	-	179.2	200	9.98	34.366	1.08	26.48	156.0	.490			
173	9.90	34.263	1.57	-	-	-	162.3	250	9.67	34.403	.80	26.56	148.2	.569			
204	10.04	34.385	.99	-	-	-	155.5	300	8.90	34.357	.83	26.65	139.8	.644			
232	9.86	34.403	.81	-	-	-	151.3	400	7.70	34.372	.45	26.85	121.3	.780			
277	9.30	34.389	.79	-	-	-	143.5	500	6.67	34.370	.34	26.99	107.8	.902			
329	8.40	34.320	.86	-	-	-	135.1										
408	7.64	34.381	.40	-	-	-	119.8										
488	6.79	34.370	.35	-	-	-	109.3										
571	6.05	34.382	.30	-	-	-	99.1										

OBSERVED LEVELS OF DEPTH								STANDARD LEVELS OF DEPTH									
INPUT				COMPUTED				INPUT				COMPUTED					
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	DD			
127.55								CALCOFI CRUISE 6612								127.55	
ALEXANDER AGASSIZ, DECEMBER 16 1966, 1712 GMT, 26 14N 115 27W, SOUNDING 1926 FM, WIND 350 FORCE 2, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 23.																	
859A	4.65	34.476	.39	-	-	-	76.2										
907	4.44	-	-	-	-	-	-										
965	4.21	34.495	.49	-	-	-	70.2										
984	4.12	-	-	-	-	-	-										
999	4.08	-	-	-	-	-	-										
1004	4.07	34.503	.57	-	-	-	68.2										
1008	4.07	-	-	-	-	-	-										
1023	4.00	-	-	-	-	-	-										
1052	3.91	-	-	-	-	-	-										
1148	3.71	34.534	.71	-	-	-	62.4										
1293	3.32	34.547	.96	-	-	-	57.8										
1590	2.74	34.594	1.37	-	-	-	49.2										

127.55								CALCOFI CRUISE 6612								127.55	
ALEXANDER AGASSIZ, DECEMBER 16 1966, 1850 GMT, 26 14N 115 27W, SOUNDING 1948 FM, WIND 350 FORCE 2, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 20.																	
1509A	2.90	34.585	1.11	-	-	-	51.2										
1656	2.63	-	-	-	-	-	-										
1803	2.43	34.614	1.61	-	-	-	45.2										
1899	2.31	-	-	-	-	-	-										
1993	2.19	-	-	-	-	-	-										
1998	2.18	34.635	1.95	-	-	-	41.6										
2004	2.17	-	-	-	-	-	-										
2018	2.15	-	-	-	-	-	-										
2048	2.12	-	-	-	-	-	-										
2194	1.99	34.650	2.18	-	-	-	39.0										
2391	1.90	34.652	2.34	-	-	-	38.2										
2591	1.80	34.658	2.51	-	-	-	37.0										

127.55								CALCOFI CRUISE 6612								127.55	
ALEXANDER AGASSIZ, DECEMBER 16 1966, 2054 GMT, 26 14N 115 27W, SOUNDING 2046 FM, WIND 350 FORCE 2, WEATHER CLEAR, SEA VERY ROUGH, WIRE ANGLE 20.																	
2625A	1.79	34.659	2.51	-	-	-	36.9										
2820	1.72	-	-	-	-	-	-										
3017	1.67	34.666	2.76	-	-	-	35.5										
3114	1.66	-	-	-	-	-	-										
3208	1.66	-	-	-	-	-	-										
3212	1.65	34.667	2.85	-	-	-	35.3										
3217	1.66	-	-	-	-	-	-										
3309	1.65	-	-	-	-	-	-										
3384	1.65	-	-	-	-	-	-										
3458	1.65	34.670	2.87	-	-	-	35.1										
3532	1.65	34.674	2.90	-	-	-	34.8										
3606	1.63	34.672	2.96	-	-	-	34.8										

A) 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			
127.60								CALCOFI CRUISE 6612								127.60	
ALEXANDER AGASSIZ, DECEMBER 16 1966, 1348 GMT, 25 59N 115 49W, SOUNDING 2030 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 24.																	
0	18.78	33.755	5.39	-	-	-	378.0	0	18.78	33.755	5.39	24.15	378.0	0			
9	18.78	33.751	5.41	-	-	-	378.3	10	18.78	33.751	5.41	24.14	378.3	.038			
27	18.76	33.745	5.42	-	-	-	378.2	20	18.77	33.747	5.42	24.14	378.3	.076			
30	18.73K	-	-	-	-	-	-	30	18.73	33.719	5.55	24.13	379.4	.114			
50	16.43	33.511	5.95	-	-	-	341.9	50	16.43	33.511	5.95	24.53	341.9	.186			
59	14.76	33.448	5.41	-	-	-	311.1	75	13.71	33.627	4.52	25.21	277.0	.264			
69	13.94	33.483	5.35	-	-	-	292.1	100	12.40	33.900	2.69	25.68	232.1	.328			
83	13.48	33.829	3.34	-	-	-	257.7	125	11.85	34.081	2.24	25.92	208.9	.384			
96	12.77	33.898	2.99	-	-	-	239.1	150	10.73	34.075	2.38	26.12	189.9	.434			
100	12.40K	33.90 G	-	-	-	-	232.1	200	9.67	34.223	1.74	26.42	161.6	.524			
118	12.60	34.160	1.80	-	-	-	216.7	250	9.26	34.303	1.19	26.55	149.3	.604			
135	10.74	33.951	2.89	-	-	-	199.2	300	8.65	34.330	.88	26.67	138.0	.679			
156	10.73	34.150	2.05	-	-	-	184.3	400	7.46	34.341	.45	26.86	120.3	.814			
182	9.96	34.199	1.89	-	-	-	168.0	500	6.62	34.393	.26	27.01	105.4	.934			
208	9.58	34.233	1.66	-	-	-	159.4										
243	9.34	34.296	1.25	-	-	-	151.0										
294	8.72	34.329	.91	-	-	-	139.1										
360	7.96	34.337	.59	-	-	-	127.5										
428	7.16	34.349	.38	-	-	-	115.7										
503	6.60	34.395	.26	-	-	-	105.0										
130.30								CALCOFI CRUISE 6612								130.30	
ALEXANDER AGASSIZ, DECEMBER 17 1966, 1626 GMT, 26 29N 113 29W, SOUNDING 42 FM, WIND 020 FORCE 3, WEATHER OVERCAST, SEA MODERATE, WIRE ANGLE 04.																	
0	19.40	33.995	5.28	-	-	-	375.6	0	19.40	33.995	5.28	24.17	375.6	0			
10	19.40	33.996	5.31	-	-	-	375.5	10	19.40	33.996	5.31	24.17	375.5	.038			
20	19.42	33.996	5.32	-	-	-	376.0	20	19.42	33.996	5.32	24.17	376.0	.075			
30	19.42	33.994	5.57	-	-	-	376.1	30	19.42	33.994	5.57	24.17	376.1	.113			
50	15.31	33.587	5.35	-	-	-	312.3	50	15.31	33.587	5.35	24.84	312.3	.182			
130.40								CALCOFI CRUISE 6612								130.40	
ALEXANDER AGASSIZ, DECEMBER 17 1966, 2119 GMT, 26 07.5N 114 06.5W, SOUNDING 1528 FM, WIND 090 FORCE 2, WEATHER CLOUDY, SEA VERY ROUGH, WIRE ANGLE 00.																	
0	20.46	34.019	5.22	-	-	-	400.2	0	20.46	34.019	5.22	23.91	400.2	0			
10	20.30	34.018	5.31	-	-	-	396.2	10	20.30	34.018	5.31	23.95	396.2	.040			
20	20.30K	34.04 G	-	-	-	-	394.6	20	20.30	34.040	5.29	23.97	394.6	.079			
30	20.31	34.063	5.26	-	-	-	393.2	30	20.31	34.063	5.26	23.99	393.2	.119			
55	14.88	33.461	5.61	-	-	-	312.6	50	16.09	33.580	5.60	24.66	329.3	.191			
65	14.04	33.491	5.22	-	-	-	293.5	75	13.88	33.702	4.29	25.23	274.8	.267			
75	13.88	33.702	4.29	-	-	-	274.8	100	12.20	33.920	3.05	25.73	226.9	.331			
90	12.54	33.822	3.34	-	-	-	240.4	125	10.88	33.933	3.10	25.99	202.8	.385			
105	12.07	33.960	2.98	-	-	-	221.7	150	10.29	34.130	2.23	26.24	178.5	.433			
130	10.60	33.926	3.11	-	-	-	198.7	200	10.41	34.450	.73	26.47	156.7	.519			
150	10.29	34.130	2.23	-	-	-	178.5	250	10.10	34.492	.50	26.56	148.6	.598			
176	10.16	34.251	1.60	-	-	-	167.4	300	9.33	34.451	.50	26.65	139.4	.673			
205	10.46	34.487	.57	-	-	-	154.9	400	8.07	34.438	.28	26.84	121.6	.810			
235	10.36	34.516	.45	-	-	-	151.1	500	7.27	34.454	.17	26.97	109.2	.933			
275	9.60	34.443	.59	-	-	-	144.2										
335	9.02	34.479	.32	-	-	-	132.5										
409	7.94	34.431	.27	-	-	-	120.3										
484	7.39	34.452	.18	-	-	-	111.1										
564	6.74	34.457	.18	-	-	-	102.1										
130.50								CALCOFI CRUISE 6612								130.50	
ALEXANDER AGASSIZ, DECEMBER 18 1966, 0228 GMT, 25 47.5N 114 45.5W, SOUNDING 1886 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA MODERATE, WIRE ANGLE 05.																	
0	20.20	33.914	5.28	-	-	-	401.3	0	20.20	33.914	5.28	23.90	401.3	0			
10	20.07	33.907	5.31	-	-	-	398.5	10	20.07	33.907	5.31	23.93	398.5	.040			
30	19.94	33.899	5.34	-	-	-	395.8	20	20.00	33.903	5.33	23.95	397.0	.080			
40	18.87	33.761	5.44	-	-	-	379.7	30	19.94	33.899	5.34	23.96	395.8	.120			
51	15.66	33.548	5.46	-	-	-	322.5	50	15.96	33.566	5.46	24.67	327.7	.192			
66	14.00	33.488	5.27	-	-	-	292.9	75	13.56	33.656	4.30	25.26	272.1	.268			
81	13.34	33.787	3.59	-	-	-	258.1	100	11.99	33.929	2.80	25.78	222.5	.330			
101	11.92	33.933	2.78	-	-	-	221.0	125	11.55	34.153	1.79	26.04	198.2	.383			
126	11.52	34.158	1.77	-	-	-	197.3	150	10.13	34.050	2.69	26.21	181.8	.431			
146	10.15	34.035	2.75	-	-	-	183.2	200	9.85	34.341	1.15	26.48	155.7	.518			
176	10.00	34.231	1.72	-	-	-	166.3	250	9.71	34.516	.39	26.64	140.6	.594			
205	9.83	34.362	1.05	-	-	-	153.8	300	8.91	34.457	.36	26.73	132.5	.665			
235	9.94	34.518	.41	-	-	-	144.1	400	7.99	34.465	.25	26.88	118.4	.797			
274	9.24	34.474	.36	-	-	-	136.3	500	6.99	34.436	.26	27.00	106.9	.917			
334	8.57	34.447	.37	-	-	-	128.2										
408	7.92	34.465	.23	-	-	-	117.4										
483	7.14	34.446	.26	-	-	-	108.2										
561	6.55	-	.23	-	-	-	-										

INPUT								OUTPUT AT STANDARD LEVELS OF DEPTH									
Z	T	S	OXY	PHO	SIL	NIT	D*T	Z	T	S	OXY	SIG*T	D*T	GD			
130.60								CALCOFI CRUISE 6612								130.60	
ALEXANDER AGASSIZ, DECEMBER 18 1966, 0715 GMT, 25 29N 115 21.5W, SOUNDING 2050 FM, WIND 350 FORCE 3, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 00.																	
0	19.73	33.938	5.33	-	-	-	387.8	0	19.73	33.938	5.33	24.04	387.8	0			
10	19.71	33.936	5.37	-	-	-	387.5	10	19.71	33.936	5.37	24.05	387.5	.039			
20	19.72K			-	-	-	-	20	19.72	33.954	5.36	24.06	386.4	.078			
30	19.76	33.950	5.34	-	-	-	387.7	30	19.76	33.950	5.34	24.04	387.7	.116			
55	13.80	33.692	4.38	-	-	-	274.0	50	15.12	33.717	4.76	24.98	298.8	.185			
65	12.93	33.858	2.98	-	-	-	245.1	75	12.20	33.962	1.47	25.77	223.9	.251			
75	12.20	33.962	1.47	-	-	-	223.9	100	11.57	34.148	1.85	26.03	198.8	.304			
91	11.72	34.052	2.09	-	-	-	208.6	125	10.85	34.230	1.60	26.22	180.4	.352			
105	11.48	34.198	1.66	-	-	-	193.6	150	9.79	34.200	1.87	26.38	165.1	.396			
125	10.85K	34.23 G	-	-	-	-	180.4	200	9.94	34.452	.89	26.55	149.0	.477			
130	10.59	34.254	1.61	-	-	-	174.3	250	9.75	34.511	.35	26.63	141.5	.552			
151	9.76	34.196	1.89	-	-	-	165.0	300	9.11	34.484	.32	26.72	133.6	.623			
176	9.83	34.340	2.27	-	-	-	155.5	400	7.74	34.408	.38	26.87	119.2	.756			
206	9.96	34.473	.51	-	-	-	147.7	500	6.97	34.445	.21	27.01	106.0	.876			
236	9.86	34.506	.39	-	-	-	143.7										
276	9.46	34.506	.30	-	-	-	137.3										
336	8.55	34.443	.37	-	-	-	128.2										
411	7.62	34.406	.38	-	-	-	117.7										
486	7.08	34.445	.23	-	-	-	107.5										
566	6.40	34.446	.14	-	-	-	98.6										

133.25							CALCOFI CRUISE 6612							133.25		
ALEXANDER AGASSIZ, DECEMBER 18 1966, 2345 GMT, 26 05N 112 48.5W, SOUNDING 47 FM, WIND 360 FORCE 1, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 00.																
0	19.72	34.013	5.36	-	-	-	382.1	0	19.77	34.013	5.36	24.10	382.1	0		
10	19.44	34.013	5.45	-	-	-	375.2	10	19.44	34.013	5.45	24.18	375.2	.038		
20	19.46	34.014	5.36	-	-	-	375.6	20	19.46	34.014	5.36	24.17	375.6	.075		
30	19.42	34.014	5.39	-	-	-	374.7	30	19.42	34.014	5.39	24.18	374.7	.113		
50	15.26	33.777	4.26	-	-	-	297.4	50	15.26	33.777	4.26	24.99	297.4	.181		
75	13.90	33.978	2.56	-	-	-	255.0	75	13.90	33.978	2.56	25.44	255.0	.250		

133.30							CALCOFI CRUISE 6612							133.30		
ALEXANDER AGASSIZ, DECEMBER 18 1966, 2110 GMT, 25 55N 113 07W, SOUNDING 106 FM, WIND 160 FORCE 2, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 00.																
0	19.95	33.971	5.37	-	-	-	390.9	0	19.95	33.971	5.37	24.01	390.9	0		
10	19.16	33.959	5.42	-	-	-	372.3	10	19.16	33.959	5.42	24.21	372.3	.038		
30	18.65	33.913	5.44	-	-	-	363.4	20	18.83	33.939	5.57	24.28	365.7	.075		
40	16.18	33.778	4.60	-	-	-	316.9	30	18.65	33.913	5.44	24.30	363.4	.112		
55	13.96	33.673	4.54	-	-	-	278.5	50	14.50	33.692	4.57	25.09	288.0	.177		
70	13.48	33.731	4.27	-	-	-	264.9	75	13.28	33.871	3.46	25.48	250.8	.245		
80	13.10	34.018	2.61	-	-	-	236.5	100	12.92	34.114	2.28	25.74	226.1	.305		
105	12.87	34.137	2.19	-	-	-	223.4	125	12.39	34.250	1.55	25.95	206.1	.360		
130	12.32	34.282	1.39	-	-	-	202.5	150	12.28	34.425	.74	26.11	191.2	.410		
155	12.32	34.464	.57	-	-	-	189.2									

133.40								CALCOFI CRUISE 6612								133.40							
ALEXANDER AGASSIZ, DECEMBER 18 1966, 1624 GMT, 25 37.5N 113 44.5W, SOUNDING 1262 FM, WIND 340 FORCE 3, WEATHER PARTLY CLOUDY, SEA VERY ROUGH, WIRE ANGLE 08.																							
0	19.86	33.982	5.25	-	-	-	387.8	0	19.86	33.982	5.25	24.04	387.8	0									
10	19.80	34.015	5.26	-	-	-	384.0	10	19.80	34.015	5.26	24.08	384.0	.039									
30	19.62	33.988	5.32	-	-	-	381.5	20	19.72	34.010	5.28	24.10	382.3	.077									
40	18.34	33.799	5.41	-	-	-	364.3	30	19.62	33.988	5.32	24.11	381.5	.115									
49	16.14	33.575	5.43	-	-	-	330.9	50	15.99	33.569	5.42	24.67	328.2	.186									
64	14.68	33.592	5.17	-	-	-	298.9	75	13.81	33.598	4.83	25.16	281.1	.263									
79	13.54	33.606	4.68	-	-	-	275.2	100	12.39	33.747	3.66	25.56	243.1	.329									
98	12.54	33.739	3.70	-	-	-	246.5	125	11.04	33.916	3.01	25.94	206.8	.386									
123	11.04	33.887	3.14	-	-	-	209.0	150	11.26	34.246	1.57	26.16	186.2	.436									
143	11.28	34.187	1.82	-	-	-	191.0	200	11.39	34.602	.36	26.41	162.2	.525									
173	11.14	34.389	1.05	-	-	-	173.6	250	10.72	34.617	.20	26.55	149.6	.606									
202	11.40	34.615	.32	-	-	-	161.5	300	9.86	34.542	.27	26.64	141.1	.681									
231	10.90	34.620	.24	-	-	-	152.5	400	8.28	34.459	.26	26.83	122.9	.820									
271	10.51	34.612	.19	-	-	-	146.5	500	7.33	34.460	.18	26.97	109.7	.944									
330	9.15	34.466	.36	-	-	-	135.5																
404	8.24	34.459	.25	-	-	-	122.5																
479	7.51	34.457	.19	-	-	-	112.4																
558	6.90	34.475	.16	-	-	-	102.9																

137.23							CALCOFI CRUISE 6612							137.23		
ALEXANDER AGASSIZ, DECEMBER 19 1966, 0518 GMT, 25 34.5N 112 19W, SOUNDING 43 FM, WIND 340 FORCE 1, WEATHER PARTLY CLOUDY, SEA SLIGHT, WIRE ANGLE 06.																
0	19.75	33.994	5.31	-	-	-	384.2	0	19.75	33.994	5.31	24.08	384.2	0		
10	19.73	33.990	5.35	-	-	-	384.0	10	19.73	33.990	5.35	24.08	384.0	.038		
20	19.68	33.985	5.39	-	-	-	383.2	20	19.68	33.985	5.39	24.09	383.2	.077		
30	18.41	33.865	5.45	-	-	-	361.2	30	18.41	33.865	5.45	24.32	361.2	.114		
50	16.85	33.779	4.98	-	-	-	331.6	50	16.85	33.779	4.98	24.63	331.6	.184		
75	15.44	-	-	-	-	-	-	75	15.44	-	-	-	-	-		

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		
137.30								CALCOFI CRUISE 6612							137.30	
ALEXANDER AGASSIZ, DECEMBER 19 1966, 0814 GMT, 25 22N 112 47.5W, SOUNDING 130 FM, WIND 340 FORCE 1, WEATHER CLEAR, SEA SLIGHT, WIRE ANGLE 00.																
0	20.16	34.033	5.29	-	-	-	391.6	0	20.16	34.033	5.29	24.00	391.6	0		
10	20.10	34.022	5.32	-	-	-	390.9	10	20.10	34.022	5.32	24.01	390.9	.039		
30	19.88	33.995	5.33	-	-	-	387.4	20	20.00	34.009	5.33	24.03	389.4	.078		
45	17.40	33.666	5.78	-	-	-	352.2	30	19.88	33.995	5.33	24.05	387.4	.117		
55	16.10	33.572	5.74	-	-	-	330.2	50	16.70	33.605	5.78	24.53	341.0	.190		
70	15.06	33.658	4.98	-	-	-	301.9	75	14.67	33.712	4.61	25.07	289.9	.270		
85	13.95	33.829	3.85	-	-	-	266.9	100	13.30	33.968	2.97	25.55	243.9	.337		
105	13.16	34.010	2.72	-	-	-	238.3	125	12.95	34.171	1.90	25.78	222.6	.396		
130	12.90	34.205	1.75	-	-	-	219.0	150	12.60	34.305	1.39	25.95	206.0	.450		
150	12.60	34.305	1.39	-	-	-	206.0	200	11.63	34.519	.52	26.30	172.7	.547		
180	11.84	34.450	.85	-	-	-	181.5									
205	11.62	34.533	.44	-	-	-	171.4									

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		
137.40								CALCOFI CRUISE 6612							137.40	
ALEXANDER AGASSIZ, DECEMBER 19 1966, 1345 GMT, 25 03.5N 113 24W, SOUNDING 1350 FM, WIND 350 FORCE 2, WEATHER CLEAR, SEA ROUGH, WIRE ANGLE 02.																
0	19.86	34.009	5.33	-	-	-	385.9	0	19.86	34.009	5.33	24.06	385.9	0		
10	19.85	34.015	5.47	-	-	-	385.2	10	19.85	34.015	5.47	24.07	385.2	.039		
30	19.84	34.005	5.28	-	-	-	385.7	20	19.84	34.012	5.36	24.07	385.3	.077		
41	17.86	33.740	5.57	-	-	-	357.4	30	19.84	34.005	5.28	24.07	385.7	.116		
51	15.88	33.655	5.57	-	-	-	319.4	50	16.06	33.659	5.58	24.72	323.0	.187		
66	14.78	33.608	5.29	-	-	-	299.8	75	14.07	33.673	4.67	25.17	280.7	.263		
81	13.62	33.735	4.19	-	-	-	267.3	100	12.54	33.910	3.11	25.65	234.8	.328		
101	12.54	33.919	3.06	-	-	-	233.3	125	11.48	34.071	2.27	25.98	203.0	.383		
126	11.45	34.076	2.25	-	-	-	202.1	150	11.32	34.225	1.70	26.13	188.9	.433		
146	11.34	34.197	1.79	-	-	-	191.3	200	11.01	34.466	.80	26.38	165.8	.524		
176	11.20	34.388	1.20	-	-	-	174.8	250	10.53	34.542	.55	26.52	152.1	.606		
206	10.96	34.479	.73	-	-	-	163.9	300	9.86	34.533	.33	26.63	141.8	.682		
236	10.65	34.528	.66	-	-	-	155.0	400	8.37	34.468	.23	26.82	123.6	.822		
277	10.27	34.552	.34	-	-	-	146.9	500	6.91	34.403	.28	26.98	108.4	.945		
337	9.16	34.490	.31	-	-	-	133.9									
412	8.23	34.465	.22	-	-	-	121.9									
487	7.08	34.406	.28	-	-	-	110.4									
567	6.19	34.421	.24	-	-	-	97.9									

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	XII-16	1745	37°57.5'	122°53.5'	25	040°	3	partly cloudy	slight	13.09	33.106	303
60.55-J	16	2057	37°47.0'	123°15.0'	55	080°	2	cloudy	very rough	13.30	32.974	317
63.50-J	16	1345	37°23.5'	122°28.0'	15	040°	1	clear	slight	13.24	33.251	296
67.48-J	14	1250	36°53.0'	121°56.0'	20	-	2	clear	missing	13.60	32.877	330
70.51-J	14	0808	36°11.5'	121°44.0'	74	090°	1	missing	slight	13.08	33.382	283
73.50-J	12	1515	35°37.0'	121°17.0'	55	230°	1	partly cloudy	moderate	14.02	33.319	306
77.48-J	12	1120	33°08.5'	120°43.5'	13	060°	1	partly cloudy	smooth	13.04	33.439	278
80.51-J	10	1730	34°26.0'	120°32.5'	55	310°	4	partly cloudy	slight	13.88	33.391	298
80.65-J	11	0215	33°59.0'	121°30.0'	1850	330°	4	fog	moderate	14.40	33.112	328
83.40-J	10	1030	34°14.0'	119°22.0'	12	020°	1	clear	smooth	14.34	33.344	310
83.65-J	9	2105	33°24.0'	121°06.0'	1970	330°	4	partly cloudy	rough	15.60	33.215	346
87.33-J	8	0205	33°54.0'	118°29.5'	27	350°	3	missing	moderate	15.77a)	33.333	340a)
87.55-J	8	1720	33°14.0'	120°00.0'	500	310°	7	clear	high	15.33	33.495	320
87.65-J	9	0030	32°49.5'	120°41.5'	2050	330°	6	partly cloudy	very rough	15.60	33.132	352
90.65-J	6	1226	32°14.5'	120°18.0'	1900	220°	5	overcast	rough	16.38	33.229	361
93.27-J	2	0247	32°56.0'	117°19.0'	60	calm		missing	moderate	15.30	33.434	323
93.35-J	2	0838	32°41.0'	117°51.0'	360	260°	1	drizzle	moderate	16.78	33.521	349

a) Alternate values: 16.02°C; 346 cl/ton.

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
93.45-J	XII-2	1435	32°17.0'	118°38.0'	930	calm		drizzle	rough	16.87	33.359	363
93.55-J	2	1900	31°56.0'	119°10.0'	950	260°	1	overcast	rough	16.84	33.624	343
93.65-J	3	0155	31°41.0'	119°55.0'	2100	220°	3	missing	rough	16.21a)	33.348	349a)
97.29-G	XII-3	0115	32°17.5'	117°05.0'	-	-	-	missing	missing	13.36	33.437	284
97.30-G	3	0135	32°16.0'	117°07.5'	-	-	-	missing	missing	13.64	33.420	291
97.32-G	3	0245	32°12.0'	117°15.5'	730	260°	2	missing	missing	15.84	33.458	333
97.45-G	3	1155	31°45.0'	118°08.0'	580	220°	3	overcast	moderate	17.46	33.396	373
97.55-G	3	1815	31°24.0'	118°49.0'	697	220°	4	cloudy	rough	17.72	33.488	372
97.65-G	4	0130	31°10.0'	119°30.0'	2045	240°	4	overcast	very rough	18.51	33.623	381
100.29-G	5	2208	31°42.0'	116°43.5'	-	-	-	missing	missing	14.78	33.387	316
100.45-G	5	1156	31°06.0'	117°44.5'	660	220°	4	overcast	rough	17.52	33.437	372
100.55-G	5	0542	30°47.0'	118°27.0'	1360	220°	4	missing	rough	18.02a)	33.534	376b)
100.65-G	4	2335	30°29.5'	119°07.0'	1918	230°	4	overcast	very rough	17.94	33.546	373
103.29-G	6	0245	31°07.5'	116°21.5'	17	170°	4	drizzle	moderate	14.59	33.395	312
103.45-G	6	1245	30°37.0'	117°24.5'	1125	220°	3	drizzle	slight	16.73	33.508	348
103.55-G	6	1850	30°16.0'	118°05.0'	1160	240°	4	drizzle	very rough	17.63	33.453	373

a) Alternate values: 16.08°C; 346 cl/ton.

b) Alternate values: 18.22°C; 380 cl/ton.

DATA AT NET TOW STATIONS										10 METERS		
Station	Date	Time GCT	Latitude North	Longitude West	Sounding (fm)	Wind Dir	Force	Weather	Sea	T °C	S ‰	δ_T cl/ton
103.65-G	7	0130	29°56.0'	118°45.0'	1650	240°	4	partly cloudy	very rough	17.84	33.498	375
107.31-G	9	0130	30°28.0'	116°07.0'	220	320°	4	partly cloudy	very rough	15.24	33.414	324
107.45-G	8	1420	29°59.0'	117°01.0'	830	330°	6	partly cloudy	high	17.66	33.506	370
107.55-G	8	0749	29°42.0'	117°41.5'	1684	330°	6	partly cloudy	high	18.21	33.636	374
107.65-G	XII-8	0115	29°21.5'	118°21.5'	1520	340°	5	cloudy	very rough	18.27	33.639	374
110.32-G	9	0518	29°52.0'	115°48.5'	-	-	-	missing	missing	14.53	33.432	307
110.45-G	9	1348	29°26.5'	116°36.0'	425	010°	3	cloudy	rough	17.30	33.451	365
110.55-G	9	1835	29°06.0'	117°18.0'	2260	020°	3	cloudy	rough	17.96	33.631	368
110.65-G	10	0010	28°46.0'	117°58.0'	1910	360°	3	partly cloudy	rough	18.43	33.691	374
113.29-G	11	1745	29°24.0'	115°13.5'	-	-	-	missing	missing	14.64	33.447	309
113.45-G	11	0820	28°51.0'	116°16.0'	940	340°	3	clear	moderate	15.99	33.467	336
113.55-G	11	0225	28°33.0'	116°57.5'	1790	350°	5	clear	moderate	18.32	33.654	374
113.65-G	10	2045	28°12.0'	117°35.5'	1602	-	4	partly cloudy	moderate	18.30	33.636	376
117.25-G	11	2217	28°58.0'	114°36.5'	13	020°	3	clear	slight	16.00	33.470	336
117.26-G	11	2310	28°56.0'	114°41.5'	38	010°	4	partly cloudy	moderate	16.96	33.561	350
117.45-G	13	2055	28°18.0'	115°56.0'	2125	340°	3	partly cloudy	rough	17.58	33.467	371
117.55-G	14	0215	28°00.0'	116°35.5'	2725	060°	4	clear	moderate	17.54	33.792	347
117.65-G	14	0715	27°42.0'	117°12.0'	1880	010°	3	clear	very rough	19.00	33.802	380
120.24-G	12	0525	28°23.0'	114°11.5'	20	350°	6	clear	moderate	15.93	33.508	331

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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
120.25-G	12	0602	28°22.0'	114°15.5'	27	020°	5	clear	moderate	16.82	33.572	346
120.30-G	12	1135	28°13.0'	114°34.0'	50	080°	4	clear	moderate	16.77	33.565	346
120.35-G	12	1545	28°02.0'	114°54.0'	45	010°	3	partly cloudy	moderate	16.80	33.553	347
120.40-G	12	1753	27°56.5'	115°14.0'	22	020°	3	partly cloudy	very rough	16.82	33.559	347
120.55-G	XII-15	0855	27°21.5'	116°11.0'	2040	350°	4	clear	rough	18.54	33.707	376
120.65-G	15	0317	27°02.5'	116°49.5'	2070	020°	5	clear	very rough	19.72	33.911	389
123.36-G	15	2015	27°26.0'	114°36.0'	28	190°	2	clear	rough	17.58	33.836	344
123.45-G	16	0119	27°08.0'	115°12.0'	2235	320°	3	clear	rough	18.34	33.691	372
123.55-G	16	0630	26°47.5'	115°49.0'	2075	340°	3	clear	very rough	19.02	33.791	381
127.33-G	17	1030	26°57.5'	114°02.5'	35	350°	3	clear	moderate	18.46	33.930	357
127.45-G	17	0315	26°34.0'	114°49.0'	1810	350°	4	clear	very rough	20.07	33.994	392
127.55-G	16	1755	26°14.0'	115°27.0'	1925	350°	2	clear	very rough	18.32	33.712	370
130.28-G	17	1525	26°33.0'	113°20.0'	30	010°	4	overcast	moderate	18.42	33.942	356
130.35-G	17	1840	26°17.0'	113°48.5'	360	090°	3	overcast	very rough	20.09	33.965	395
130.45-G	17	2357	25°57.5'	114°26.0'	1650	270°	2	cloudy	moderate	20.82	34.000	411
130.55-G	18	0450	25°38.0'	115°04.0'	1960	340°	3	clear	very rough	19.78	33.940	389
133.23-G	19	0050	26°07.5'	112°41.0'	-	-	-	missing	missing	19.48	34.010	377
133.35-G	18	1825	25°43.5'	113°30.0'	850	360°	3	clear	high	19.43	34.010	376
137.35-G	19	1043	25°13.0'	113°05.5'	485	310°	2	clear	slight	20.10	34.014	391