

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 7207
6 - 29 July 1972

and

CalCOFI Cruise 7210
23 September - 16 November 1972

SIO Reference 85-20
1 November 1985

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 7207

6 - 29 July 1972

and

CalCOFI Cruise 7210

23 September - 16 November 1972

SIO Reference 85-20

1 November 1985

Approved for distribution:

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

CONTENTS

Introduction	3
Literature Cited	6
Cruise 7207	
List of Figures	9
Personnel	19
Tabulated Data	21
10 Meter Data	65
Cruise 7210	
List of Figures	72
Personnel	82
Tabulated Data, CalCOFI Stations	83
10 Meter Data, CalCOFI Stations	125
Tabulated Data, Latitude-Longitude Stations	131
10 Meter Data, Latitude-Longitude Stations	158
Distribution List	160

INTRODUCTION

The data in this report were collected during Cruises 7207* and 7210 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV *David Starr Jordan* of the National Marine Fisheries Service, the RV *Alexander Agassiz* of the Scripps Institution of Oceanography, and the RV *Alaska* of the California Department of Fish and Game. The extended 7210 cruise pattern was designed to collect data across the California Current from 45°N to 20°N, much the same pattern as was used on the NORPAC cruise in the late summer of 1955. This extended pattern for the early fall had previously been conducted in the late spring of 1972. Besides allowing the first larger overview of the California Current since January 1965, the cruise was used to collect data near three deep-moored buoys which have been recording meteorological data and temperature data (surface to 300 meters) for several months.

These data were collected and processed mainly by personnel of the Data Collection and Processing Group, Marine Life Research Group (DCPG**, MLRG), Scripps Institution of Oceanography.

STANDARD PROCEDURES

Hydrographic Cast Data

The hydrographic casts consisted of 12 to 18 Nansen bottles with the maximum sampling depth at most stations being 1200 meters, bottom depth permitting. Casts deeper than 3000 meters were lowered at 60.70***, 70.80, 80.70, 80.80, and 83.75 on the *Agassiz* in July. During the *Agassiz* cruise in October, casts deeper than 4000 meters were lowered on the extended lines at 46.137****, 46.145, Buoy 56, Buoy 48, 39.137, 39.145, 35.133, and 35.139 in addition to casts deeper than 3000 meters repeated at 80.70, 80.80, and 83.75. Temperature, salinity, oxygen and nutrients were determined for all depths on most stations.

On STD lowerings where hydrographic casts were not made, a Nansen bottle was usually placed on the wire a few meters above the STD and another bottle was lowered to a depth of approximately 10 meters. Temperature, salinity and oxygen were determined for most of the 10 meter samples from the *Jordan* and the *Agassiz*.

In general, paired, protected reversing thermometers were used to determine temperatures; the readings were recorded to hundredths of a Celsius degree. Temperatures on the deep casts made during the cruises in this report are recorded only in hundredths of a Celsius degree because specially scaled low-range thermometers were not available. Surface temperatures from "bucket" thermometers and temperatures determined using unprotected (pressure) thermometers were recorded to tenths of a degree. Sample bottles used below 100 meters were equipped with unprotected thermometers for determination of the depth of sampling.

The inductive salinometers used to analyze the salinity samples on the *Jordan* for 7207 and 7210 operated well. The *Agassiz* had operating problems on 7210 with the inductive salinometer and on both cruises with the University of Washington Bridge used to analyze the samples collected on the deep lowerings. All salinity values for deep lowerings made on 7207 were omitted and many values on 7210 have been listed only to hundredths. The 10 meter samples collected on the *Alaska* in July were analyzed ashore by inductive salinometer within a week after completion of the cruise.

* The first two digits represent the year and the second digits the month of the cruise.

** Now the Physical and Chemical Oceanographic Data Facility (PACODF).

*** The CalCOFI station designations have been in use for over thirty years. The digits preceding the decimal specify a line normal to the general trend of the coast line (CalCOFI line). The digits following the decimal specify a station position relative to the coast on the CalCOFI line. One CalCOFI digit equals 4 nautical miles.

**** This is not a CalCOFI station designation. In this oceanic station designator, the first two digits are north latitude; the latter three digits are west longitude.

The salinity values were recorded and are reported to three decimal places, provided accepted standards were met. If only one determination per sample was obtained, or there was doubt concerning the accuracy of the analytical results, the salinities are reported to two decimal places. All STD salinities are tabulated to hundredths.

Dissolved oxygen was determined by the Winkler method as modified by Carpenter (1965), using the equipment and procedure outlined by Anderson (1971).

Phosphate, silicate, nitrite, and nitrate were determined using a standard Beckman Model DU spectrophotometer. Reactive phosphate was analyzed using the method of Murphy and Riley (1962), with the specific procedure outlined by Anderson (1971); reactive silicate by the method of Strickland and Parsons (1968); nitrate by the method of Wood *et al.* (1967); and nitrite by the method of Bendschneider and Robinson (1952).

Phytoplankton pigment and production data resulting from these cruises have been reported earlier by Owen (1974).

The observed data have been evaluated using the method described by Klein (1973). This involves consideration of their variation as functions of density or depth and their relations to each other, and comparisons with adjacent observations.

In situ Salinity/Temperature/Depth Recorder (STD) Data

The STD used on the *Agassiz* for 7207 malfunctioned most of the cruise. The digital data logger failed to record the data on tape and the analogs were difficult to digitize due to frequent interruptions in the recordings. Only data for those stations where no hydrographic lowerings were made have been used for the horizontal charts. Slight temperature corrections were needed to the data on 7207 and 7210 for both ships, and the salinity correction applied to the *Jordan* on both cruises and the *Agassiz* on 7207 varied from $\pm 0.00\text{‰}$ at the surface to approximately -0.10‰ at 1000 meters. The cruise in October on the *Agassiz* had a considerable offset, so a large correction of approximately -0.20‰ at the surface to -0.40‰ at 1000 meters was applied.

TABULATED DATA

The time reported is Greenwich Mean Time. For STD lowerings it is the "start down" time, and for bottle casts it is the time of messenger release. When more than one cast was lowered on a station, the messenger time for the first and last casts are given. Multiple casts, excluding the surface cast, are indicated by a footnote letter following the observed depth.

Bottom depths, determined acoustically, have been corrected using Matthews' (1939) tables and are reported in meters. The weather and dominant waves are coded using the National Oceanographic Data Center (NODC) method.

Data for all cruises presented in this report were obtained by bottle casts and by the STD, and appear in two forms:

1. Data from the sample bottles appear with the observed levels of depth on the left of a page. Temperature, salinity, and oxygen are interpolated from the observations at standard levels of depth on the right of the page. Computed values of thermobaric anomaly (DT) are included with the observed levels and computed values of sigma-t (SIGT), thermobaric anomaly (DT), and geopotential anomaly (DD) are included with the interpolated levels.
2. Data at standard levels of depth from the STD lowerings appear on the right of a page with computed values of sigma-t, thermobaric anomaly and geopotential anomaly included.

The same parameters have been tabulated in this report as in previous reports. The decimal has been omitted from the CalCOFI station number, so station 80.70 appears in the tabulated data as 80070. The column headings are to be interpreted as follows:

Z	Depth	Meters
T	Temperature	°C
S	Salinity	‰
O2	Dissolved oxygen	ml/L
PO4	"Reactive" inorganic phosphate-phosphorous	μg-at/L
SiO3	"Reactive" inorganic silicate-silicon	μg-at/L
NO2	"Reactive" nitrite-nitrogen	μg-at/L
NO3	"Reactive" nitrate-nitrogen	μg-at/L
DT	δ_T = Thermosteric anomaly	cl/ton
SIGT	$\sigma_t = (\rho_{s,t,0} - 1) 10^3$ where $\rho_{s,t,0}$ is the density the parcel would have if moved isothermally to the sea surface.	g/L
DD	Geopotential anomaly, referred to the sea surface.	dyn. meters

FOOTNOTES

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

P: After depth value indicates the Nansen bottles posttripped.

U: Uncertain value. Values which are not used in interpolation because they seem to be in error without apparent reason.

V: Because of time differences, overlapping casts show some disagreement. Values not used in interpolation.

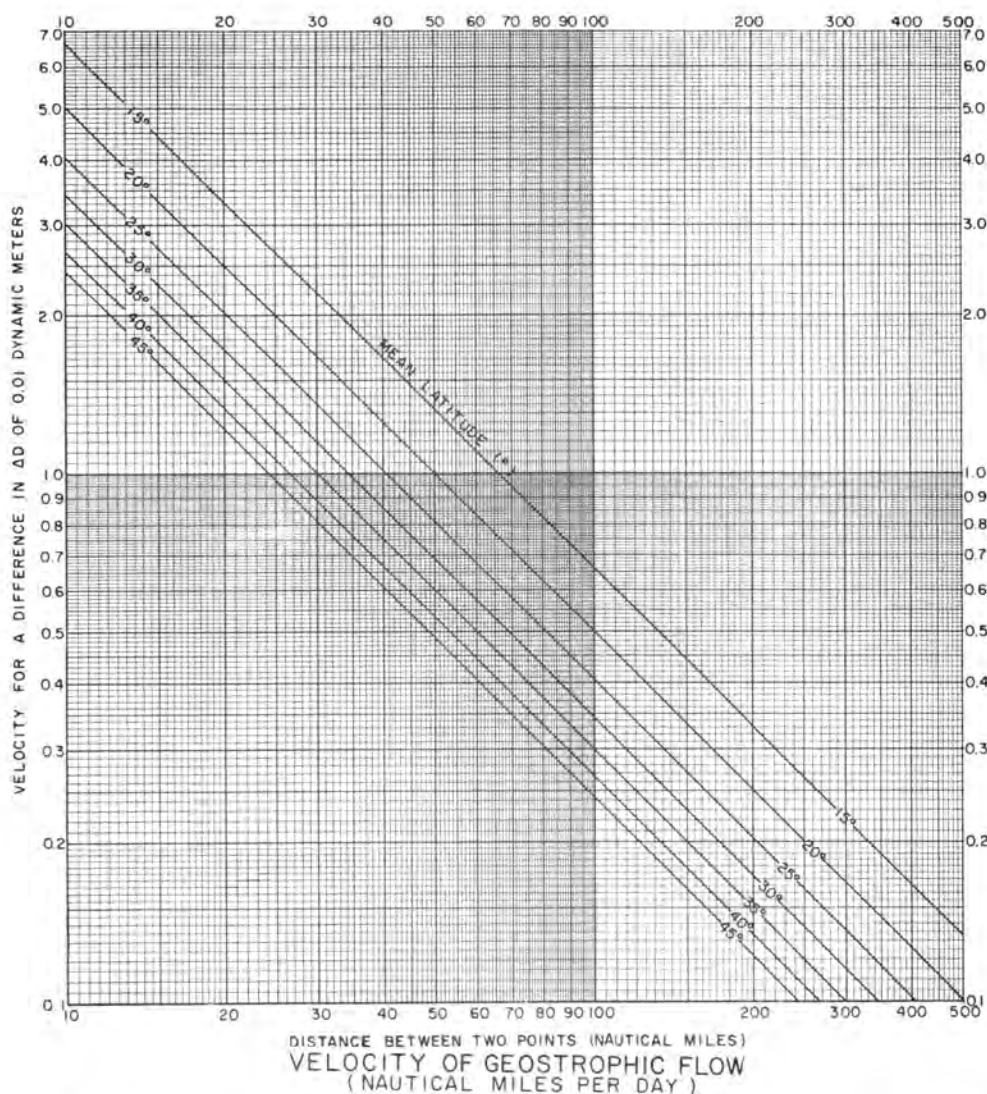
LITERATURE CITED

- Anderson, G.C., compiler, 1971. "Oxygen Analysis," Marine Technician's Handbook. SIO Ref. No. 71-8, Sea Grant Pub. No. 9.
- Anderson, G.C., compiler, 1971. "Phosphate Analysis," Marine Technician's Handbook, SIO Ref. No. 71-10, Sea Grant Pub. No. 11.
- AutoLab Ind. Pty. Ltd., Sydney, 1960. Inductively Coupled Salinometer MK 111, Model 601, Operating Inst. and Ills. Parts List.
- Bendschneider, K., and R.J. Robinson, 1952. A new spectrophotometric method for the determination of nitrite in sea water. *J. Mar. Res.*, 11: 87-96.
- Bissett Berman Corporation, 1965. Instruction Manual, *In situ* Salinity/Temperature/Depth Monitoring and Recording System, Model 9006.
- Bissett Berman Corporation, 1967. Operation and Maintenance Manual, Laboratory Salinometer Model 6220.
- Bissett Berman Corporation, 1968. Instruction Manual, Self-contained Salinity/Temperature/Depth Recording System, Model 9060.
- Bissett Berman Corporation, 1970. Instruction Manual, Laboratory Salinometer Model 6230N.
- Carpenter, J.H., 1965. The Chesapeake Bay Institute technique for Winkler dissolved oxygen method. *Limnol. Oceanogr.*, 10: 141-143.
- Holm-Hansen, O., C.J. Lorenzen, R.W. Holmes, and J.D.H. Strickland, 1965. Fluorometric determination of chlorophyll. *J. Cons. perm. int. Explor. Mer.*, 30: 3-15.
- Klein, Hans T., 1973. A new technique for processing physical oceanographic data. SIO Ref. No. 73-14.
- Matthews, D.J., 1939. Tables of the velocity of sound in pure water and seawater for use in echosounding and sound-ranging. Second Edition. Hydrographic Department, Admiralty, H.D. 282: 52 pp.
- Murphy, J., and J.P. Riley, 1962. A modified single solution method for the determination of phosphate in natural waters. *Anal. Chem. Acta*, 27: 31.
- Owen, R.W., Jr., and C.K. Sanchez, 1974. Phytoplankton Pigment and Production Measurements in the California Current Region, 1969-72. U.S. Dept. of Commerce, Nov. 1974. Data Rep. 91.
- Plessey Environmental Systems, 1974. Instruction Manual, *In situ* Salinity/Temperature/Depth Monitoring and Recording System, Model 9040.
- Strickland, J.D.H., and T.R. Parsons, 1968. A Practical Handbook of Seawater Analysis. *Fish. Res. Board of Canada, Bull. No. 167*: 311 pp.

Sverdrup, H.U., M.W. Johnson, and R.H. Fleming, 1942. *The Oceans: their Physics, Chemistry, and General Biology*. Prentice-Hall, New Jersey, 1087 pp.

University of Washington, 1960. Department of Oceanography Technical Report No. 66, U. W. Ref. 60-18.

Wood, E.D., F.A.J. Armstrong, and F.A. Richards, 1967. Determination of nitrate in sea water by cadmium-copper reduction to nitrite. *J. Mar. Biol. Assn. U. K.*, 47: 23-31.



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

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

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

FIGURES

Cruise 7210

1. CalCOFI Cruise 7210, 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.

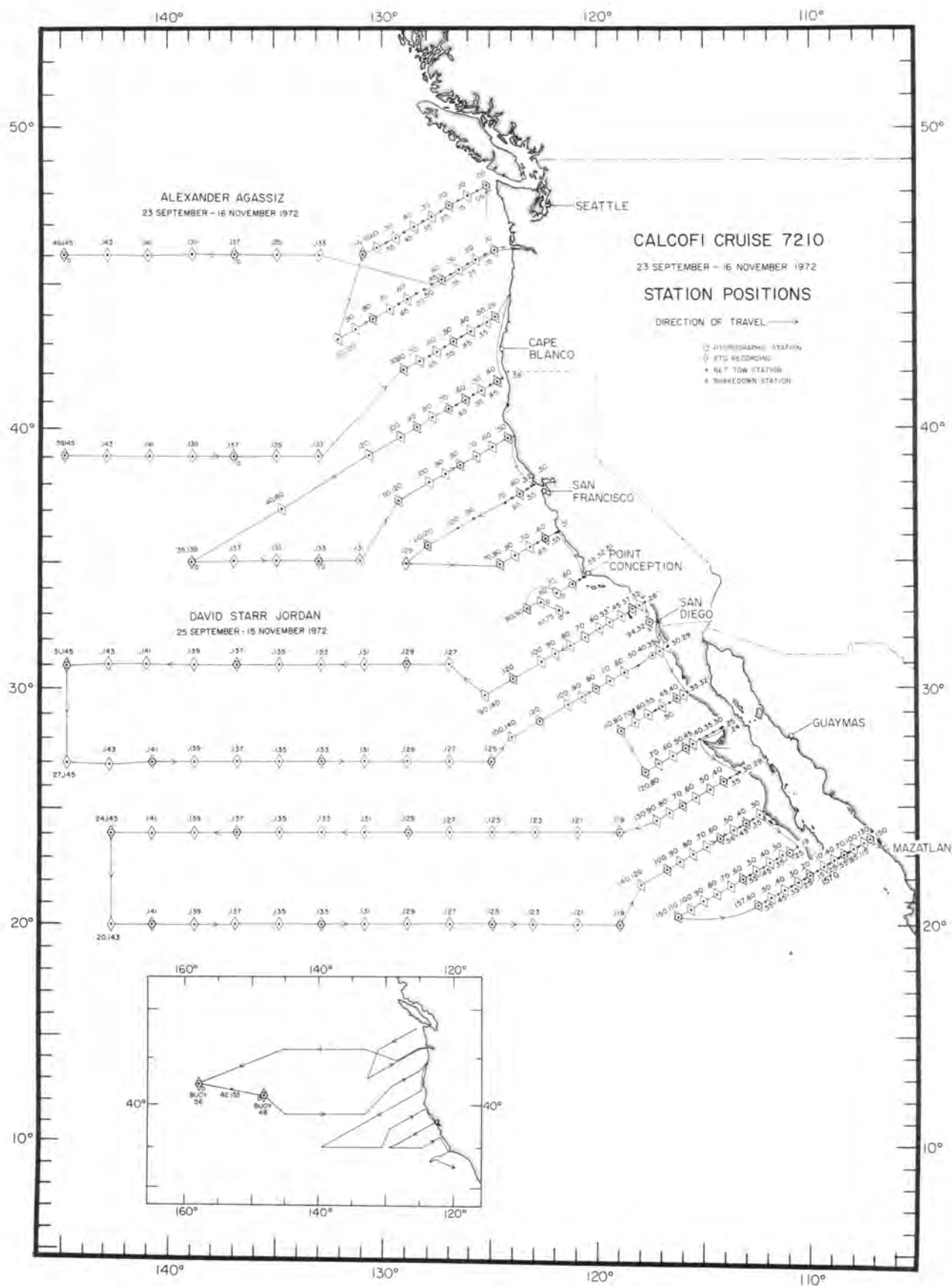


FIGURE 1

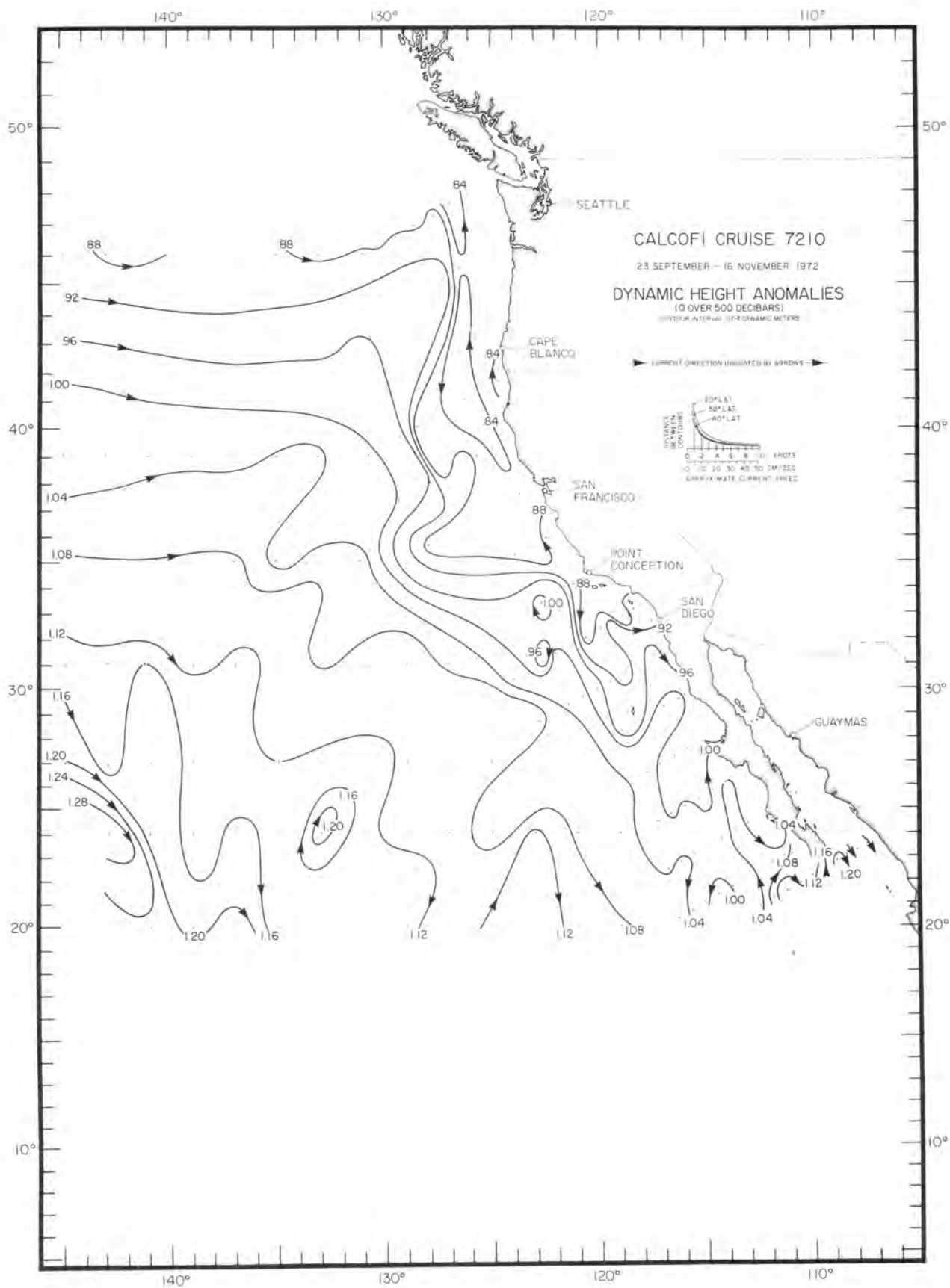


FIGURE 2

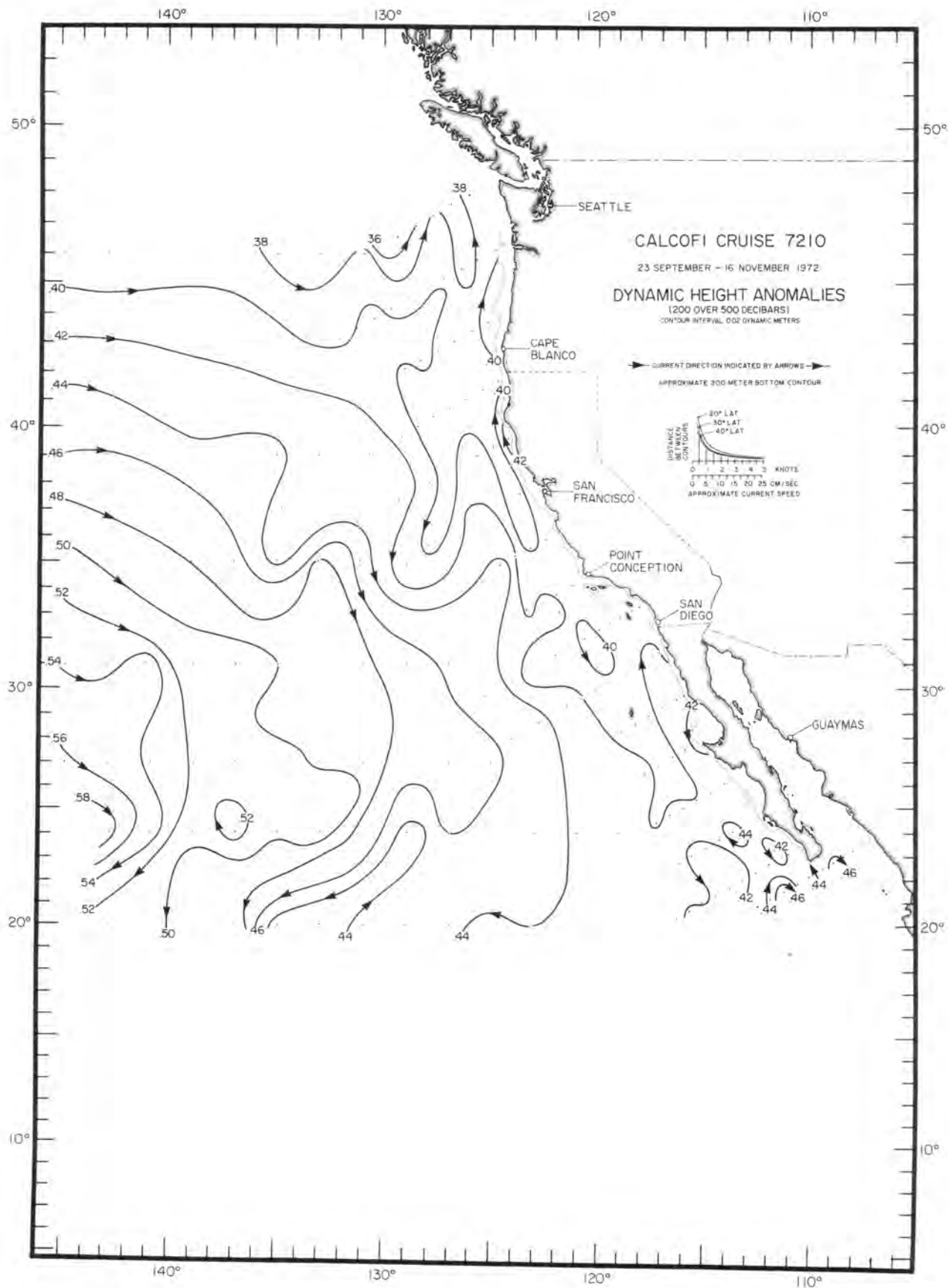


FIGURE 3

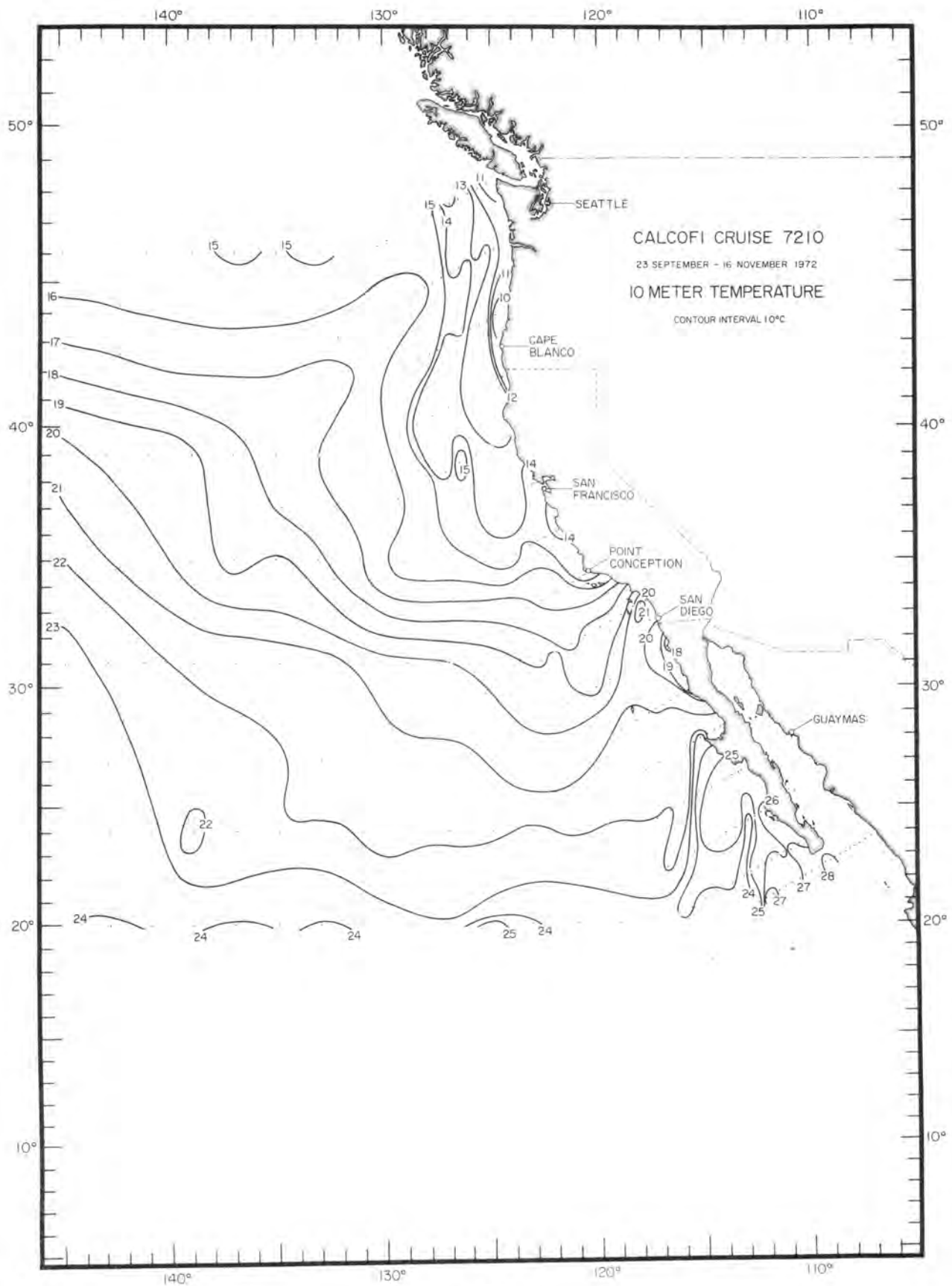


FIGURE 4

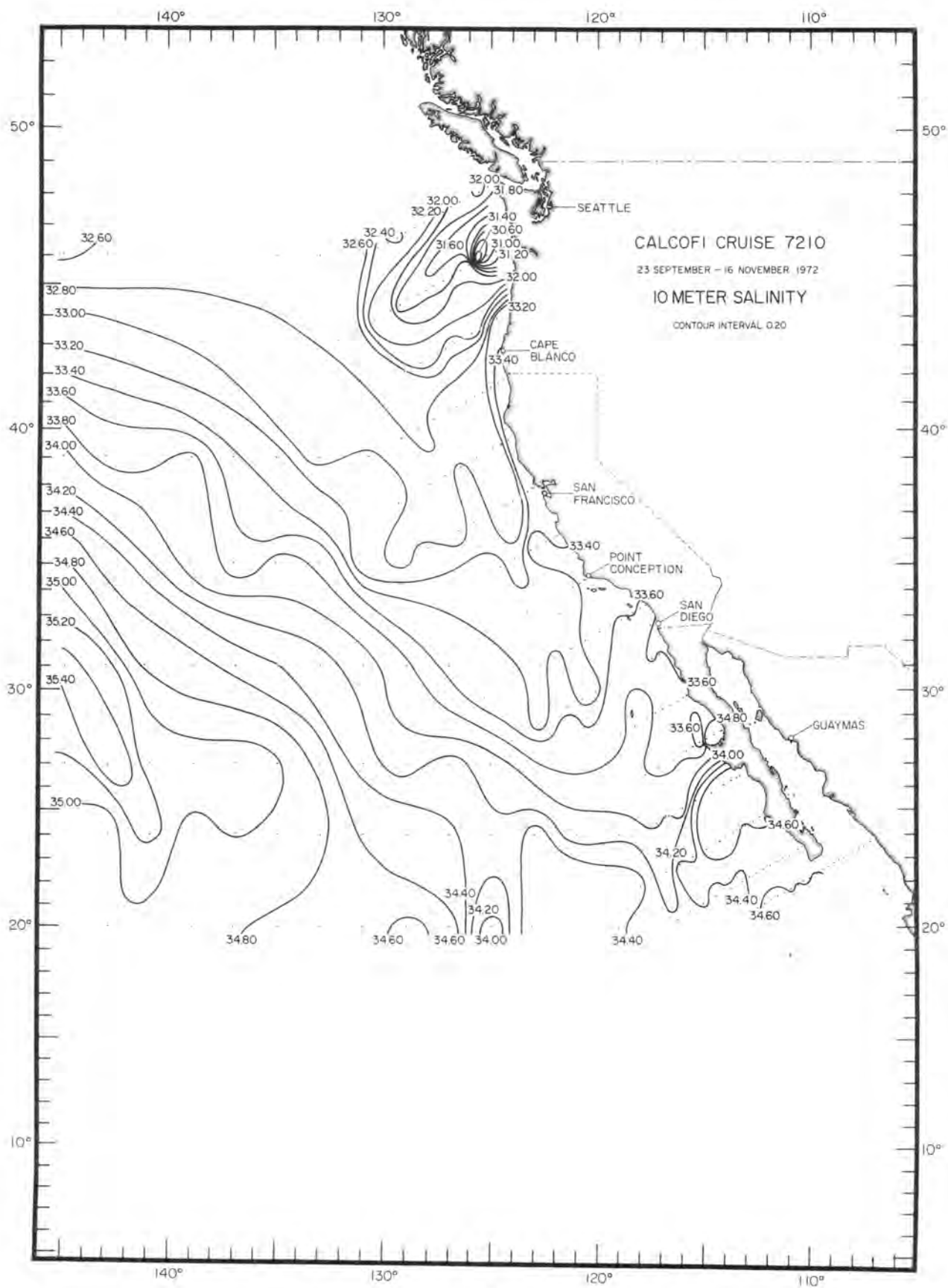


FIGURE 5

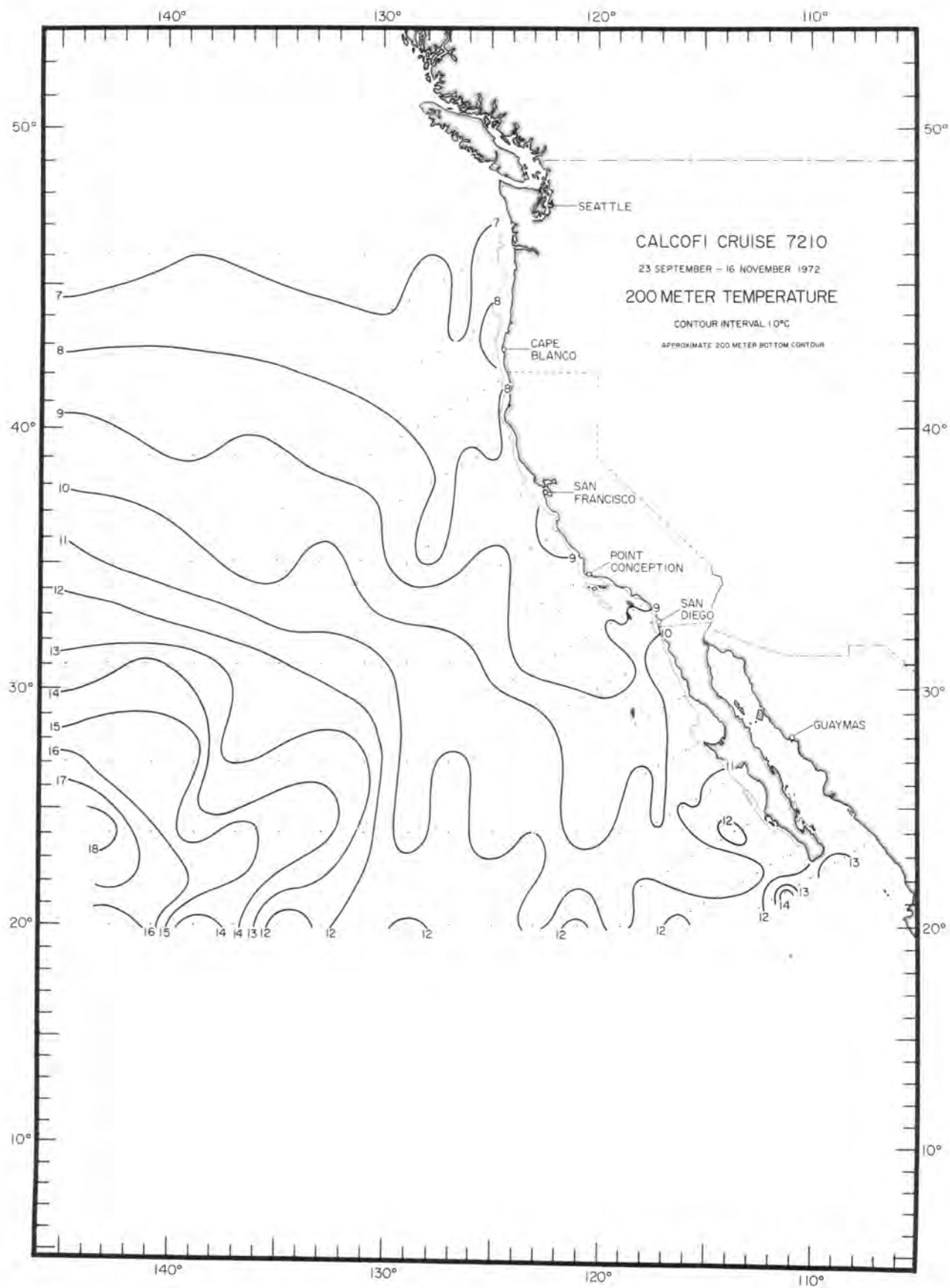


FIGURE 7

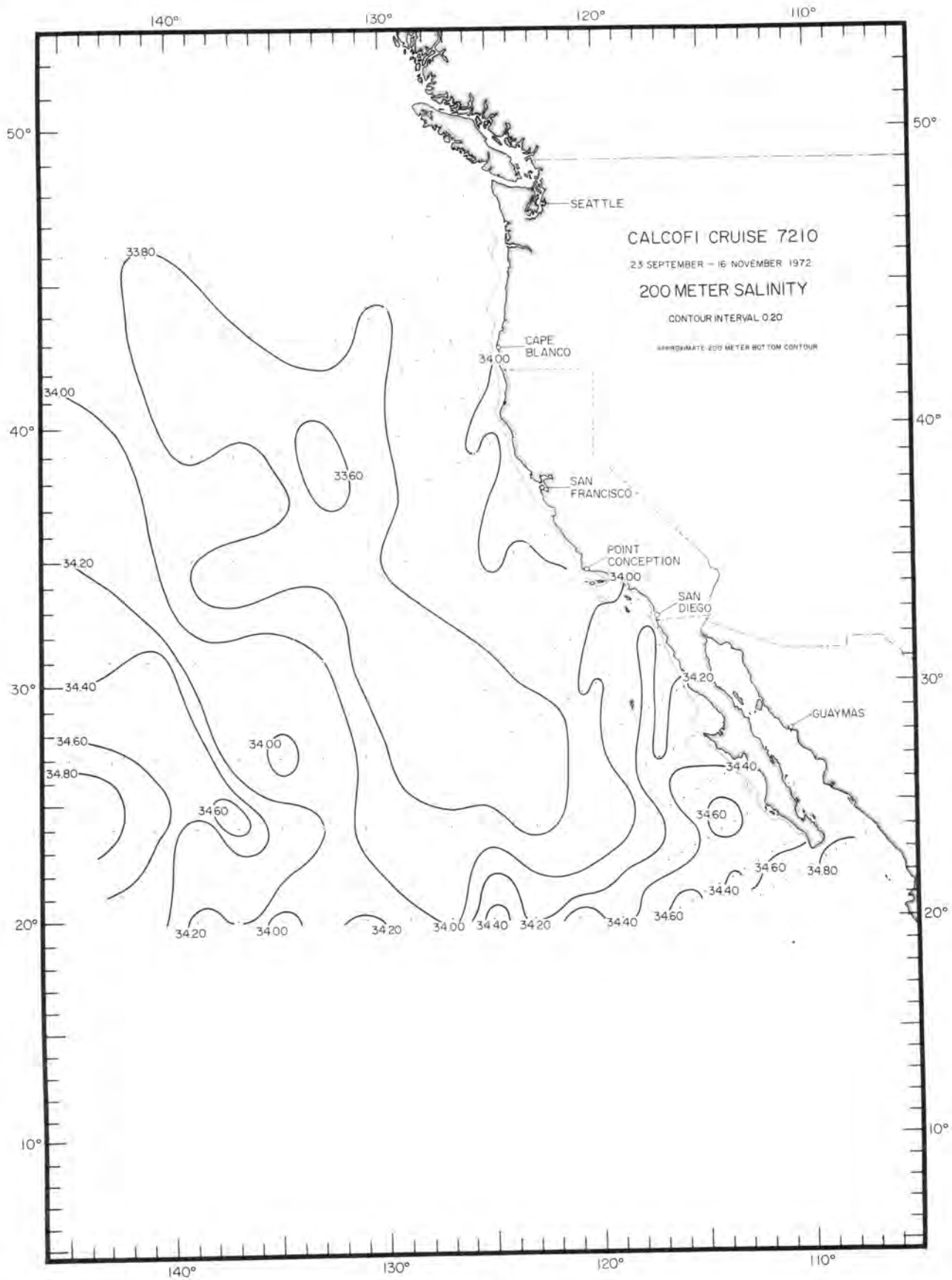


FIGURE B

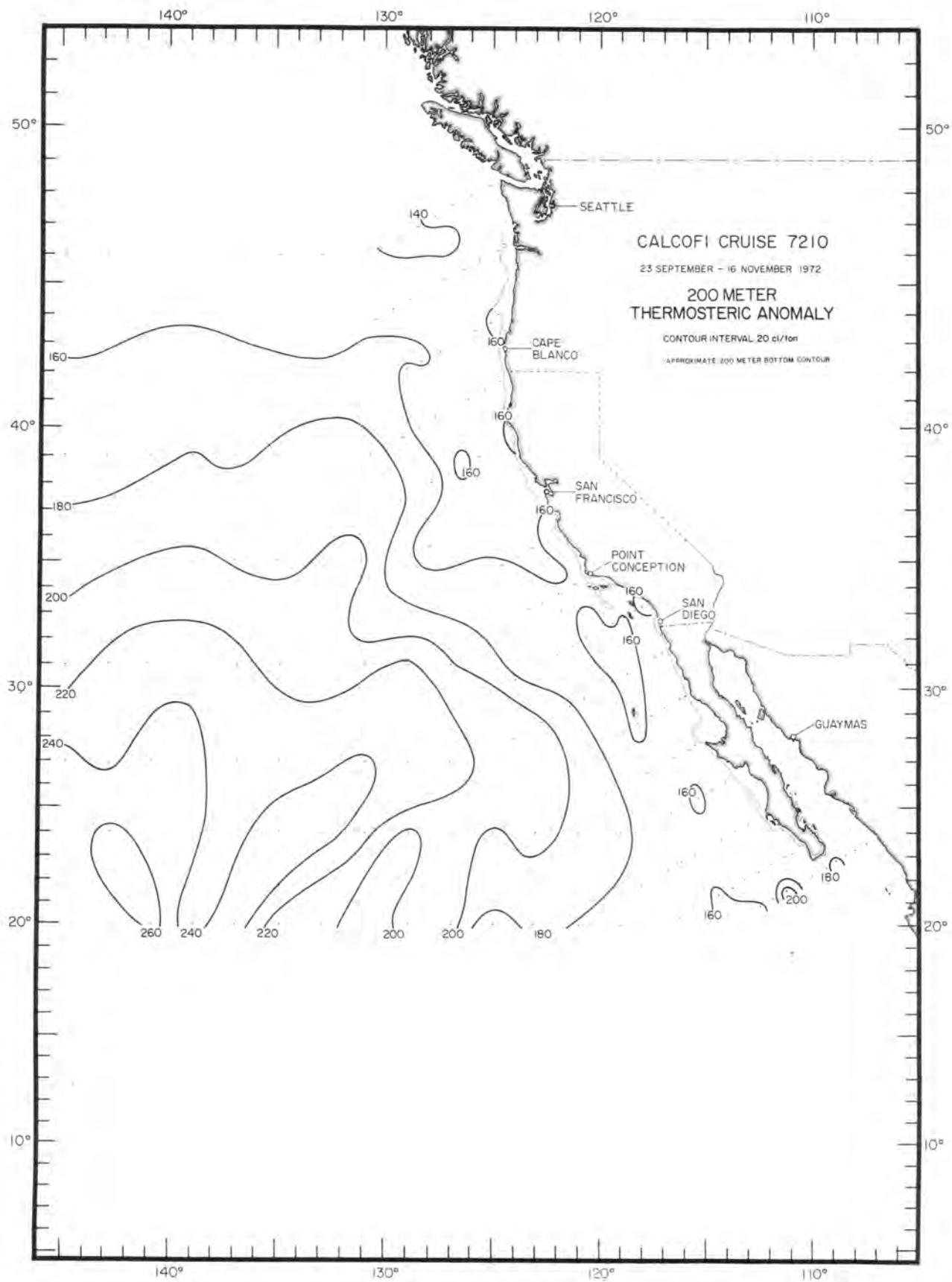


FIGURE 9

PERSONNEL

Cruise 7210

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. (in charge, San Diego, CA to Newport, OR)	Marine Technician, SIO
Hemingway, George T. (in charge, Newport, OR to San Diego, CA)	Staff Research Associate, SIO
Barker, Susan G.	Marine Technician, SIO
Comer, Ronald	Sea Grant Student, SDSU
Counts, Robert C.	Fisheries Biologist, NMFS
Graham, Jery	Electronics Technician, SIO
Jantsch, Carl	Sea Grant Student, SDSU
Johnson, Llewellyn	Sea Grant Student, SDSU
Kellogg, Durrant	Marine Technician, SIO
Kemp, Robert	Electronics Technician, SIO
Knutson, Kenneth	Electronics Technician, SIO
Lehmann, Virginia	Sea Grant Student, SDSU
Pierce, Stephen	Marine Technician, SIO
Schemmer, Stephen	Sea Grant Student, SDSU
Schmitt, James A.	Electronics Technician, SIO
Sessions, Meredith	Developmental Engineer, SIO
Thomas, James	Marine Technician, SIO
Yates, Robert	Marine Technician, SIO

RV *David Starr Jordan*

Vrooman, Andrew M. (in charge)	Fishery Biologist, NMFS
Brennan, Robert	Marine Technician, SIO
Brown, Jack	Electronics Technician, NMFS
Conway, Carol	Engineering Aide, SIO
Davies, E.	Naval Underseas Center
Imsand, Shirley	Graduate Student, SIO
Metoyer, Jack D.	Laboratory Technician, NMFS
Middlemiss, Heather	Engineering Aide, SIO
Nam-Koon, B.	AID, Korea
Patla, Susan M.	Marine Technician, SIO
Rowe, Raymond A.	Marine Technician, SIO
Shuey, Raymond E.	Electronics Technician, SIO
Sinclair, Michael M.	Marine Technician, SIO
Swiston, M.	NMFS
Tavan, Steve	Staff Research Associate, GEOSECS
Witherow, Sharon	Secretary, SIO

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10000

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
48 15.0 N		125 11.0 W		09/29/72		1935 GMT			111 M			2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	10.50	31.791	6.26	1.56	31.	0.33	14.3	354.7	0	10.50	31.791	6.26	24.391	354.7	0.000
10	10.37	31.832	6.46	1.40	28.	0.35	13.4	349.6	10	10.37	31.832	6.46	24.444	349.6	0.035
25	8.60	32.544	4.22	1.91	36.	0.42	21.6	269.3	20	9.24	32.265	5.07	24.965	300.0	0.068
35	8.00	32.981	3.35	2.09	41.	0.18	25.3	228.9	30	8.25	32.780	3.73	25.518	247.4	0.095
45	7.76	33.193	2.92	2.25	45.	0.08	28.2	209.8	50	7.68	33.285	2.83	25.998	201.8	0.140
60	7.54	33.454	2.69	2.34	47.	0.05	29.8	187.4	75	7.36	33.696	2.20	26.365	166.9	0.187
75	7.36	33.696	2.20	2.47	54.	0.03	30.0	166.9	100	7.12	33.816	1.68	26.495	154.8	0.227
101	7.11	33.821	1.68	2.69	61.	0.03	33.8	154.3							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10000

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
48 15.0 N		125 11.0 W		09/29/72		1958 GMT			111 M			2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	10.46	31.90							0	10.46	31.90		24.482	346.0	0.000
10	10.38	31.89							10	10.38	31.89		24.488	345.4	0.035
20	9.56	32.31							20	9.56	32.31		24.950	301.5	0.067
30	8.24	32.85							30	8.24	32.85		25.575	242.0	0.094
50	7.68	33.31							50	7.68	33.31		26.017	200.0	0.138
75	7.46	33.60							75	7.46	33.60		26.275	175.4	0.186
100	7.18	33.86							100	7.18	33.86		26.519	152.3	0.227

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10010

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
47 55.0 N		126 3.0 W		09/30/72		013 GMT			1623 M		030	3 KT	2	320 02 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.24	31.94							0	14.24	31.94		23.800	411.0	0.000
10	11.96	31.92							10	11.96	31.92		23.842	407.0	0.041
20	11.53	31.92							20	11.53	31.92		23.929	398.7	0.081
30	11.56	32.01							30	11.56	32.01		24.374	356.3	0.119
50	7.98	32.35							50	7.98	32.35		25.222	275.5	0.182
75	7.48	32.72							75	7.48	32.72		25.583	241.2	0.247
100	7.11	33.03							100	7.11	33.03		25.877	213.3	0.304
125	7.08	33.31							125	7.08	33.31		26.101	192.0	0.355
150	7.24	33.66							150	7.24	33.66		26.353	168.0	0.401
200	6.82	33.83							200	6.82	33.83		26.544	149.9	0.452
250	6.33	33.90							250	6.33	33.90		26.664	136.5	0.555
300	5.94	33.93							300	5.94	33.93		26.738	131.5	0.625
400	5.48	34.01							400	5.48	34.01		26.857	120.2	0.755
500	4.95	34.08							500	4.95	34.08		26.971	100.4	0.875
600	4.71	34.17							600	4.71	34.17		27.073	99.8	0.985
700	4.40	34.25							700	4.40	34.25		27.170	90.5	1.087
800	4.15	34.32							800	4.15	34.32		27.252	82.7	1.181
1000	3.42	34.44							1000	3.42	34.44		27.421	66.6	1.345

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10020

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
47 36.0 N		126 54.5 W		09/30/72		0715 GMT			2462 M		300	3 KT	2		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	12.72	31.86							0	12.72	31.86		24.042	387.9	0.000
10	12.61	31.84							10	12.61	31.84		24.048	387.4	0.039
20	9.56	32.07							20	9.56	32.07		24.763	319.3	0.174
30	8.34	32.49							30	8.34	32.49		25.276	270.4	0.214
50	7.42	32.69							50	7.42	32.69		25.559	243.5	0.255
75	7.51	33.22							75	7.51	33.22		25.970	204.4	0.211
100	7.59	33.57							100	7.59	33.57		26.233	179.4	0.260
125	7.59	33.73							125	7.59	33.73		26.355	167.5	0.304
150	7.26	33.82							150	7.26	33.82		26.462	157.7	0.345
200	6.81	33.90							200	6.81	33.90		26.601	144.5	0.428
250	6.34	33.95							250	6.34	33.95		26.702	134.4	0.493
300	6.08	33.98							300	6.08	33.98		26.759	129.5	0.561
400	5.30	34.04							400	5.30	34.04		26.902	115.9	0.688
500	4.87	34.12							500	4.87	34.12		27.015	105.2	0.804
600	4.53	34.21							600	4.53	34.21		27.125	94.9	0.909
700	4.22	34.26							700	4.22	34.26		27.197	88.0	1.007
800	3.96	34.33							800	3.96	34.33		27.280	80.1	1.098
1000	3.47	34.44							1000	3.47	34.44		27.414	67.4	1.260

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10020

LATITUDE 47 36.0 N LONGITUDE 126 54.5 W MO/DAY/YR 09/30/72 MESSENGER TIME 0715 GMT BOTTOM 2462 M WIND 300 SPEED 3KT WEATHER 2 DOMINANT WAVES															
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
0	12.88	31.85	6.50	0.45	1.	0.03	0.1	391.6	0	12.88	31.85	6.50	24.004	391.6	0.000
10	12.62	31.85	6.55	0.41	0.	0.03	0.0	386.8	10	12.62	31.85	6.55	24.053	386.8	0.039
30	9.00	32.40	6.47	1.26	9.	0.39	8.4	286.4	20	10.94	32.08	6.51	24.540	340.5	0.075
55	7.30	32.66	5.86	1.29	15.	0.09	12.8	243.3	30	9.00	32.40	6.47	25.108	286.4	0.107
70	7.19	32.88	5.68	1.28	17.	0.05	14.7	225.5	50	7.44	32.63	5.99	25.516	247.6	0.160
85	7.40	33.11	4.82	1.63	24.	0.03	19.6	211.1	75	7.25	32.95	5.42	25.796	220.9	0.219
101	7.50	33.45	4.20	1.87	31.	0.02	23.1	187.1	100	7.50	33.43	4.23	26.136	188.6	0.271
131	7.45	33.74	3.34	2.07	39.	0.02	27.7	164.9	125	7.46	33.71	3.46	26.358	167.6	0.316
156	7.29	33.82	2.97	2.25	44.	0.02	30.0	156.8	150	7.34	33.81	3.03	26.454	158.5	0.357
181	6.94	33.92	2.97	2.36	50.	0.03	31.2	144.7	200	6.77	33.95	2.75	26.645	140.3	0.433
216	6.66	33.96	2.54	2.53	55.	0.02	34.0	138.1	250	6.38	33.97	2.41	26.716	133.6	0.503
281	6.12	33.98	2.35	2.67	63.	0.01	36.2	130.0	300	5.94	33.99	2.17	26.782	127.4	0.570
382	5.28	34.03	1.39	2.88	79.	0.02	39.2	116.5	400	5.19	34.04	1.32	26.918	114.4	0.695
480	4.90	34.11	1.13	3.20	92.	0.01	42.0	106.3	500	4.84	34.13	1.07	27.025	104.3	0.809
615	4.53	34.22	0.72	3.34	107.	0.01	42.7	94.1	600	4.57	34.21	0.76	27.119	95.4	0.915
769	4.04	34.30	0.46	3.41	122.	0.03	44.0	83.2	700	4.26	34.27	0.55	27.199	87.8	1.013
919	3.64	34.37	0.45	3.45	134.	0.01	46.1	74.1	800	3.95	34.32	0.46	27.269	81.1	1.104
1131	3.20	34.44	0.44	3.39	148.	0.01	46.1	64.8	1000	3.47	34.40	0.45	27.381	70.5	1.270

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10030

LATITUDE 47 14.0 N LONGITUDE 127 44.5 W MO/DAY/YR 09/30/72 MESSENGER TIME 1519 GMT BOTTOM 2668 M WIND 250 SPEED 06 KT WEATHER 2 DOMINANT WAVES 270 08 10															
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
	0	14.98	32.18						0	14.98	32.18		23.829	408.3	0.000
	10	14.99	32.18						10	14.99	32.18		23.826	408.5	0.041
	20	15.00	32.18						20	15.00	32.18		23.824	408.7	0.082
	30	15.00	32.19						30	15.00	32.19		23.832	407.9	0.123
	50	10.51	32.55						50	10.51	32.55		24.978	298.7	0.193
	75	7.76	32.75						75	7.76	32.75		25.567	242.8	0.261
	100	7.50	32.85						100	7.50	32.85		25.682	231.8	0.321
	125	7.14	33.11						125	7.14	33.11		25.936	207.7	0.376
	150	7.25	33.53						150	7.25	33.53		26.250	177.8	0.425
	200	6.91	33.80						200	6.91	33.80		26.509	153.3	0.509
	250	6.39	33.89						250	6.39	33.89		26.649	140.0	0.584
	300	5.95	33.94						300	5.95	33.94		26.744	130.9	0.654
	400	5.05	33.97						400	5.05	33.97		26.876	118.4	0.782
	500	4.58	34.09						500	4.58	34.09		27.024	104.4	0.899
	600	4.22	34.15						600	4.22	34.15		27.110	96.2	1.004
	700	4.09	34.25						700	4.09	34.25		27.203	87.4	1.102
	800	3.87	34.33						800	3.87	34.33		27.289	79.3	1.192
	1000	3.48	34.43						1000	3.48	34.43		27.407	68.1	1.354

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10040

LATITUDE 46 55.0 N LONGITUDE 128 35.0 W MO/DAY/YR 09/30/72 MESSENGER TIME 2215 GMT BOTTOM 2724 M WIND 240 SPEED 12 KT WEATHER 1 DOMINANT WAVES 270 10 6															
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.17	32.31		23.888	402.7	0.000
									10	15.15	32.30		23.884	403.0	0.040
									20	15.07	32.32		23.917	399.9	0.080
									30	14.98	32.35		23.959	395.8	0.120
									50	11.29	32.51		24.810	314.7	0.192
									75	8.22	32.66		25.429	255.8	0.263
									100	7.74	32.99		25.757	224.6	0.324
									125	7.80	33.47		26.125	189.7	0.376
									150	6.98	33.73		26.444	159.4	0.420
									200	6.46	33.91		26.655	139.4	0.496
									250	5.82	33.95		26.768	128.7	0.564
									300	5.35	33.98		26.849	121.0	0.623
									400	4.69	34.05		26.980	108.6	0.747
									500	4.63	34.16		27.074	99.7	0.856
									600	4.27	34.23		27.168	90.7	0.956
									700	4.06	34.28		27.230	84.9	1.050
									800	3.88	34.33		27.288	79.3	1.139
									1000	3.37	34.38		27.378	70.8	1.303

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
46 34.0 N		129 28.5 W		09/31/72		0525 GMT		2462 M	310	6 KT					
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
	0	15.71	32.41						0	15.71	32.41		23.846	406.6	0.000
	10	15.71	32.41						10	15.71	32.41		23.846	406.6	0.041
	20	15.70	32.41						20	15.70	32.41		23.848	406.4	0.081
	30	15.68	32.42						30	15.68	32.42		23.860	405.3	0.122
	50	15.62	32.43						50	15.62	32.43		23.881	403.3	0.203
	75	10.29	32.50						75	10.29	32.50		24.977	298.9	0.291
	100	7.15	32.66						100	7.15	32.66		25.581	241.4	0.359
	125	6.78	33.22						125	6.78	33.22		26.070	194.9	0.414
	150	6.88	33.67						150	6.88	33.67		26.411	162.6	0.459
	200	6.33	33.91						200	6.33	33.91		26.666	138.4	0.536
	250	5.80	33.92						250	5.80	33.92		26.747	130.6	0.604
	300	5.16	33.97						300	5.16	33.97		26.863	119.6	0.669
	400	4.50	34.04						400	4.50	34.04		26.993	107.3	0.786
	500	4.17	34.13						500	4.17	34.13		27.099	97.2	0.892
	600	4.09	34.20						600	4.09	34.20		27.163	91.2	0.991
	700	3.87	34.25						700	3.87	34.25		27.226	85.3	1.085
	800	3.67	34.30						800	3.67	34.30		27.285	79.6	1.174
	1000	3.30	34.37						1000	3.30	34.37		27.377	70.9	1.338

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
46 15.5 N		130 17.5 W		10/01/72		1130 GMT			1980 M	270	5 KT	2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.50	32.29		23.800	411.0	0.000
									10	15.50	32.29		23.800	411.0	0.041
									20	15.51	32.29		23.798	411.2	0.082
									30	15.51	32.29		23.798	411.2	0.123
									50	14.81	32.29		23.950	396.3	0.204
									75	7.64	32.65		25.505	246.6	0.285
									100	6.61	32.80		25.763	224.1	0.345
									125	6.46	33.18		26.081	193.9	0.397
									150	6.60	33.65		26.432	160.5	0.442
									200	6.34	33.91		26.671	137.9	0.518
									250	5.73	33.95		26.760	127.6	0.556
									300	5.16	33.98		26.871	118.9	0.649
									400	4.53	34.04		26.990	107.6	0.766
									500	4.20	34.11		27.081	99.0	0.874
									600	3.82	34.17		27.161	91.4	0.974
									700	3.72	34.24		27.233	84.6	1.067
									800	3.52	34.30		27.300	78.2	1.154
									1000	3.19	34.37		27.387	70.0	1.316

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20010

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
46 11.0 N		124 49.0 W		10/08/72		1922 GMT			888 M	350	9 KT	4	350 2 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	11.34	30.11		22.943	492.8	0.050
									10	12.09	31.35		23.767	414.2	0.045
									20	12.30	32.02		24.246	368.5	0.075
									30	12.19	32.49		24.629	332.0	0.120
									50	7.95	32.76		25.547	244.8	0.177
									75	7.46	32.95		25.766	223.5	0.236
									100	7.89	33.43		26.080	193.9	0.299
									125	7.71	33.79		26.385	164.7	0.354
									150	7.55	33.86		26.466	157.3	0.375
									200	7.09	33.94		26.594	145.2	0.452
									250	6.65	33.96		26.681	136.9	0.524
									300	6.33	34.01		26.751	130.3	0.592
									400	5.74	34.04		26.849	121.0	0.723
									500	5.29	34.09		26.943	112.1	0.845
									600	4.91	34.14		27.026	104.2	0.959
									700	4.49	34.23		27.145	93.0	1.064
									800	4.20	34.29		27.222	85.5	1.161

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20010

	LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER	TIME	BOTTOM	WIND	SPFD	WEATHER	DOMINANT WAVES			
	46 11.0 N	124 49.0 W	10/08/72			2029	2050 GMT	888 M	350	9 KT	4	830 P 4			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	11.56	29.74	6.84	0.84	24.	0.19	6.5	523.4	10	12.27	31.16	6.71	24.589	431.3	0.040
11	12.35	31.32	6.77	0.32	4.	0.03	0.2	421.0	20	11.18	32.06	6.77	24.481	345.0	0.087
31	9.11	32.50	6.77	0.78	3.	0.26	3.6	210.6	30	9.31	32.43	6.77	25.119	285.3	0.118
51	7.60	32.68	6.25	1.11	11.	0.06	9.4	245.8	50	7.64	32.68	6.28	25.532	246.1	0.172
76	7.48	32.66	5.81	1.26	15.	0.03	12.8	230.8	75	7.48	32.86	5.84	25.688	231.2	0.231
102	7.66	33.36	4.17	1.80	28.	0.01	22.9	198.7	100	7.83	33.32	4.30	26.001	201.5	0.286
127A	7.64	33.71	3.67	1.85	36.	0.01	20.90	169.7	125	7.67	33.69	3.69	26.116	171.6	0.333
153A	7.51	33.82	3.32	2.09	39.	0.01	27.1	159.7	150	7.52	33.82	3.36	26.435	160.3	0.375
203A	7.05	33.92	2.70	2.34	47.	0.01	29.4	146.7	200	7.08	33.92	2.73	26.577	146.3	0.453
254A	6.50	33.97	2.23	2.58	58.	0.01	34.0	135.4	250	6.54	33.97	2.26	26.690	136.1	0.525
305A	6.26	33.99	1.91	2.68	62.	0.01	35.6	110.9	300	6.28	33.99	1.94	26.741	131.2	0.594
354A	5.90	34.00	1.61	2.85	68.	0.01	37.7	125.2	400	5.79	34.03	1.53	26.874	122.4	0.726
403A	5.78	34.03	1.53	2.93	72.	0.01	33.60	122.2	500	5.51	34.05	1.44	26.884	117.7	0.851
453A	7.51	33.82	3.32	2.09	39.	0.01	29.4	159.7	600	4.87	34.14	0.76	27.030	103.2	0.988
503A	5.34	34.07	1.33	3.10	82.	0.01	37.7	114.1	700	4.41	34.24	0.43	27.160	91.5	1.072
602A	4.56	34.14	0.75	3.20	96.	0.01	40.7	113.6	800	4.15	34.29	0.39	27.222	85.1	1.188
702A	4.40	34.24	0.43	3.38	109.	0.03	43.2	91.3							
800A	4.16	34.29	0.39	3.39	117.	0.03	44.2	85.1							

A) CAST II.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20020

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
45 51.5 N		125 40.5 W		10/09/72		0246		GMT	2185 M	080	9 KT	2	HTC 4 6		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	13.08	29.60		22.231	560.9	0.000
									10	13.00	30.50		22.940	493.2	0.053
									20	13.21	31.89		23.970	354.8	0.097
									30	12.96	32.33		24.358	357.8	0.175
									50	8.35	32.64		25.395	259.1	0.197
									75	7.65	32.92		25.715	228.6	0.258
									100	7.86	33.37		26.038	198.0	0.312
									125	7.85	33.66		26.266	176.3	0.359
									150	7.59	33.85		26.452	156.6	0.401
									200	7.12	33.97		26.613	143.3	0.478
									250	6.72	34.01		26.699	135.2	0.549
									300	6.29	34.06		26.795	126.1	0.617
									400	5.74	34.10		26.897	116.5	0.742
									500	5.17	34.15		27.005	106.2	0.859
									600	4.77	34.22		27.106	96.7	0.967
									700	4.44	34.26		27.174	90.7	1.067
									800	4.20	34.30		27.231	84.7	1.161
									1000	3.67	34.41		27.373	71.3	1.333

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20030

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
45 32.0 N			126 27.0 W			10/09/72		0758 GMT		2703 M	280	04 KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.33	31.93		23.774	413.5	0.000	
									10	13.94	31.91		23.839	407.3	0.041	
									20	13.90	31.91		23.847	406.5	0.082	
									30	13.88	31.90		23.843	406.9	0.123	
									50	8.12	32.62		25.413	257.4	0.189	
									75	7.53	32.91		25.725	227.7	0.250	
									100	7.94	33.36		26.018	199.8	0.304	
									125	7.64	33.60		26.221	180.6	0.352	
									150	7.46	33.79		26.424	161.3	0.395	
									200	6.78	33.94		26.636	141.2	0.472	
									250	6.30	33.98		26.731	132.2	0.542	
									300	5.91	34.01		26.805	125.2	0.608	
									400	5.37	34.09		26.934	113.0	0.731	
									500	4.99	34.17		27.041	102.8	0.844	
									600	4.55	34.20		27.114	95.8	0.949	
									700	4.20	34.26		27.199	87.8	1.048	
									800	4.03	34.31		27.257	82.3	1.139	
									1000	3.52	34.41		27.388	69.9	1.307	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
45 11.0 N			127 16.0 W			10/09/72		1451 GMT		2919 M	020	18 KT	2	010 5 6		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	15.48	31.76		23.398	449.3	0.000	
									10	15.48	31.76		23.398	449.3	0.045	
									20	15.48	31.75		23.391	450.1	0.090	
									30	15.49	31.75		23.389	450.3	0.135	
									50	12.33	32.60		24.688	326.4	0.213	
									75	9.54	32.75		25.452	253.7	0.286	
									100	7.73	32.76		25.579	241.6	0.348	
									125	7.54	33.10		25.872	213.7	0.405	
									150	7.25	33.36		26.116	190.5	0.456	
									200	7.49	33.89		26.499	154.2	0.544	
									250	6.92	33.96		26.633	141.5	0.620	
									300	5.99	33.95		26.747	130.7	0.689	
									400	5.19	33.99		26.876	118.4	0.818	
									500	4.52	34.07		27.015	105.3	0.935	
									600	4.21	34.17		27.127	94.6	1.040	
									700	3.98	34.22		27.191	88.6	1.137	
									800	3.78	34.29		27.267	81.4	1.229	
									1000	3.42	34.38		27.373	71.3	1.396	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
45 11.0 N			127 16.0 W			10/ 9/72		1542 GMT		2919 M	020	18 KT	2	010 5 6		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	15.48	31.76	6.04	0.20	0.	0.01	0.0	449.3	10	15.48	31.76	6.02	23.398	449.3	0.045	
11	15.48	31.76	6.02	0.19	0.	0.00	0.0	449.3	20	15.49	31.76	6.02	23.397	449.5	0.090	
31	15.50	31.76	6.02	0.19	0.	0.01	0.0	449.8	30	15.50	31.76	6.02	23.394	449.7	0.135	
56	9.60	32.62	6.69	0.73	2.	0.32	2.7	279.1	50	11.70	32.52	6.54	24.744	321.1	0.212	
71	8.47	32.69	6.59	0.88	3.	0.02	6.5	257.1	75	8.31	32.71	6.50	25.453	253.6	0.284	
86	8.00	32.74	6.32	0.94	4.	0.01	7.8	246.1	100	7.63	32.75	6.51	25.582	241.3	0.347	
102	7.59	32.75	6.54	1.05	7.	0.01	8.4	240.5	125	7.58	33.07	5.74	25.844	216.4	0.404	
131	7.58	33.17	5.46	1.40	20.	0.01	16.0	209.0	150	7.23	33.35	5.16	26.111	191.0	0.456	
156	7.15	33.41	5.02	1.65	28.	0.00	19.3	185.5	200	7.41	33.89	3.28	26.506	153.5	0.543	
181	7.60	33.81	3.32	2.14	40.	0.00	26.8	161.7	250	6.71	33.92	2.90	26.630	141.8	0.619	
216	7.10	33.88	3.24	2.20	45.	0.00	29.0	149.8	300	6.20	33.95	2.37	26.719	133.3	0.689	
281	6.39	33.94	2.53	2.52	57.	0.00	33.2	136.3	400	5.27	33.97	1.71	26.855	120.5	0.820	
381	5.44	33.97	1.82	2.87	73.	0.00	35.8	122.7	500	4.56	34.03	1.16	26.980	108.6	0.940	
481	4.64	34.01	1.27	3.10	90.	0.00	41.0	111.0	600	4.27	34.15	0.65	27.105	96.7	1.048	
615	4.25	34.17	0.59	3.31	110.	0.00	42.7	95.0	700	4.03	34.23	0.52	27.191	88.6	1.146	
769	3.86	34.26	0.47	3.35	126.	0.00	42.7	84.4	800	3.78	34.28	0.44	27.256	82.4	1.233	
919	3.50	34.34	0.37	3.42	137.	0.00	44.3	75.0	1000	3.34	34.37	0.39	27.374	71.3	1.406	
1128	3.09	34.42	0.42	3.40	151.	0.00	45.1	65.3								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
44 32.0 N			128 53.5 W			10/03/72		1607 GMT		2822 M	030	25 KT	1	020 6 6		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	16.15	31.79		23.273	461.3	0.000	
									10	16.15	31.78		23.266	462.0	0.046	
									20	16.15	31.79		23.273	461.3	0.092	
									30	16.15	31.80		23.281	460.6	0.139	
									50	11.58	32.53		24.773	318.2	0.217	
									75	8.69	32.66		25.359	262.5	0.289	
									100	7.85	32.81		25.601	239.5	0.353	
									125	7.56	33.04		25.822	218.5	0.410	
									150	7.67	33.51		26.175	185.0	0.461	
									200	7.37	33.90		26.523	151.9	0.547	
									250	6.63	33.93		26.649	140.0	0.621	
									300	5.89	33.97		26.775	128.0	0.690	
									400	5.33	33.99		26.859	120.0	0.819	
									500	4.77	34.12		27.026	104.2	0.936	
									600	4.61	34.21		27.116	95.7	1.041	
									700	4.31	34.26		27.188	88.9	1.140	
									800	4.08	34.31		27.252	82.8	1.233	
									1000	3.58	34.36		27.342	74.3	1.405	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
44 11.0 N		129 41.0 W		10/03/72		0842 GMT			2690 M	030	15 KT	1			
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.40	32.08		23.439	445.5	0.000
									10	16.39	32.08		23.441	445.3	0.045
									20	16.40	32.08		23.439	445.5	0.089
									30	16.13	32.38		23.725	417.8	0.132
									50	14.10	32.66		24.383	355.4	0.210
									75	8.73	32.77		25.439	254.9	0.287
									100	7.93	32.81		25.589	240.6	0.349
									125	7.34	32.82		25.681	231.9	0.408
									150	7.04	33.07		25.918	209.4	0.464
									200	6.99	33.80		26.498	154.3	0.556
									250	6.31	33.87		26.643	140.5	0.631
									300	5.88	33.89		26.714	133.8	0.702
									400	5.12	33.99		26.884	117.7	0.832
									500	4.38	34.05		27.014	105.4	0.948
									600	4.14	34.13		27.103	96.9	1.054
									700	3.94	34.22		27.195	88.2	1.152
									800	3.78	34.25		27.235	84.4	1.245
									1000	3.32	34.35		27.354	72.6	1.416

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43 50.5 N		130 29.0 W		10/03/72		0156 GMT			3306 M	010	15 KT	2	300, 6, 15		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.72	31.98		23.289	459.8	0.000
									10	16.72	31.98		23.289	459.8	0.046
									20	16.49	32.07		23.410	448.2	0.091
									30	16.32	32.24		23.579	432.1	0.136
									50	12.51	32.29		24.414	352.5	0.214
									75	8.69	32.70		25.390	259.5	0.291
									100	8.09	32.80		25.558	243.6	0.354
									125	7.56	32.81		25.642	235.6	0.415
									150	7.47	33.09		25.874	213.5	0.471
									200	7.15	33.77		26.452	158.6	0.566
									250	6.65	33.88		26.607	144.0	0.643
									300	6.10	33.89		26.686	136.4	0.715
									400	4.93	33.91		26.842	121.6	0.848
									500	4.31	34.03		27.006	106.1	0.966
									600	4.12	34.13		27.105	96.8	1.073
									700	3.86	34.20		27.187	89.0	1.171
									800	3.73	34.25		27.240	83.9	1.264
									1000	3.43	34.33		27.333	75.1	1.437

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43 50.5 N		130 29.0 W		10/03/72		0253 GMT			3306 M	010	15 KT	2	300, 06, 15		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.76	32.02		23.310	457.8	0.000
									10	16.69	32.07		23.365	452.6	0.046
									20	16.50	32.12		23.441	445.2	0.090
									30	16.32	32.31		23.633	427.0	0.134
									50	11.58	32.55		24.791	316.7	0.209
									75	8.53	32.76		25.462	252.7	0.280
									100	7.92	32.76		25.554	244.0	0.343
									125	7.59	32.89		25.692	230.3	0.402
									150	7.47	33.15		25.920	209.2	0.458
									200	7.12	33.77		26.453	158.1	0.551
									250	6.62	33.87		26.600	144.6	0.628
									300	6.00	33.86		26.674	137.5	0.701
									400	4.71	33.90		26.833	122.5	0.835
									500	4.37	34.01		26.983	109.3	0.954
									600	4.11	34.11		27.092	97.9	1.063
									700	3.93	34.20		27.177	89.9	1.162
									800	3.75	34.26		27.249	81.2	1.255
									1000	3.41	34.32		27.326	75.8	1.428

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43 30.0 N		131 18.0 W		10/02/72		2050 GMT			3447 M	270	5 KT		290, 4, 14		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD
									0	17.21	32.70		23.725	418.2	0.000
									10	16.98	32.67		23.756	415.2	0.042
									20	16.91	32.67		23.772	413.7	0.083
									30	16.86	32.67		23.784	412.6	0.125
									50	14.96	32.64		24.186	374.2	0.203
									75	10.00	32.83		25.282	269.8	0.284
									100	8.91	32.93		25.536	245.7	0.349
									125	8.28	33.00		25.686	231.4	0.409
									150	8.03	33.24		25.911	210.0	0.463
									200	7.46	33.81		26.440	159.4	0.559
									250	7.07	33.93		26.589	145.7	0.637
									300	6.21	33.93		26.703	134.8	0.709
									400	5.05	33.95		26.860	119.9	0.841
									500	4.32	34.02		26.996	107.0	0.959
									600	3.97	34.10		27.096	97.5	1.066
									700	3.62	34.19		27.183	89.3	1.165
									800	3.76	34.26		27.245	83.5	1.257
									1000	3.32	34.33		27.343	74.1	1.429

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

20100

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43	9.5	N	132	7.0	W	10/	2/72		16	GMT		3660	M	220	4	KT		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0									0	16.60	32.74		23.898	401.7	0.000			
10									10	16.59	32.74		23.900	401.5	0.040			
20									20	16.43	32.74		23.936	398.0	0.080			
30									30	16.35	32.75		23.962	395.5	0.120			
50									50	15.33	32.61		24.083	384.0	0.198			
75									75	9.52	32.67		25.236	274.2	0.281			
100									100	8.39	32.84		25.545	244.8	0.346			
125									125	7.90	32.97		25.719	228.3	0.406			
150									150	7.51	33.22		25.970	204.4	0.460			
200									200	7.71	33.87		26.451	158.7	0.552			
250									250	7.09	33.91		26.570	147.4	0.631			
300									300	6.26	33.94		26.705	134.7	0.703			
400									400	4.96	33.97		26.886	117.4	0.833			
500									500	4.54	34.07		27.012	105.5	0.949			
600									600	4.17	34.14		27.108	96.5	1.056			
700									700	3.93	34.22		27.196	88.1	1.154			
800									800	3.86	34.29		27.258	82.2	1.245			
1000									1000	3.36	34.35		27.355	73.0	1.415			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30026

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43	55.5	N	124	47.5	W	10/27/72			0154	GMT		131	M	350	04	KT	2	010 02 05
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0									0	9.62	32.96		25.446	254.2	0.000			
10									10	9.61	32.98		25.463	252.6	0.025			
20									20	9.29	33.00		25.530	246.2	0.050			
30									30	9.10	33.10		25.639	235.9	0.074			
50									50	9.06	33.11		25.653	234.6	0.122			
75									75	8.90	33.30		25.826	218.1	0.179			
100									100	8.62	33.67		26.159	186.5	0.229			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30026

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43	55.5	N	124	47.5	W	10/27/72			0220	GMT		131	M	350	04	KT	2	010 02 05
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	9.62	33.05	6.84	0.82	5.	0.26	5.4	247.6	0	9.62	33.05	6.84	25.516	247.6	0.000			
10	9.37	33.09	7.04	0.98	7.	0.26	7.1	240.8	10	9.37	33.09	7.04	25.588	240.8	0.024			
20	9.14	33.14	6.01	1.15	11.	0.28	11.6	233.6	20	9.14	33.14	6.01	25.663	233.6	0.048			
30	9.12	33.15	5.97	1.12	12.	0.29	10.5	232.5	30	9.12	33.15	5.97	25.674	232.5	0.072			
50	8.89	33.21	5.69	1.20	14.	0.29	12.1	224.6	50	8.89	33.21	5.69	25.757	224.6	0.117			
75	8.86	33.47	4.62A	1.62	24.	0.17	18.6	204.9	75	8.86	33.47	4.62	25.965	204.9	0.171			
100	8.72	33.67	3.55A	1.99	34.	0.06	22.4	188.0	100	8.72	33.67	3.58	26.143	188.0	0.221			
125	8.58	33.74	3.28	2.06	36.	0.07	22.6	180.7	125	8.58	33.74	3.28	26.219	180.7	0.267			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30030

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43	46.5	N	125	8.5	W	10/26/72			2248	GMT		2288	M	050	07	KT	350 08 05	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0									0	12.63	32.60		24.630	331.9	0.000			
10									10	12.39	32.60		24.676	327.5	0.033			
20									20	11.89	32.68		24.832	312.6	0.065			
30									30	10.05	32.78		25.235	274.3	0.094			
50									50	8.29	32.79		25.521	247.1	0.147			
75									75	8.96	33.41		25.903	210.8	0.204			
100									100	8.75	33.70		26.162	186.2	0.254			
125									125	8.59	33.77		26.241	178.6	0.300			
150									150	8.73	33.86		26.290	174.0	0.345			
200									200	8.11	33.91		26.424	161.3	0.430			
250									250	7.44	33.94		26.545	149.8	0.510			
300									300	6.74	33.96		26.657	139.2	0.584			
400									400	6.07	34.03		26.800	125.6	0.722			
500									500	5.60	34.11		26.922	114.1	0.847			
600									600	4.86	34.14		27.032	103.6	0.962			
700									700	4.52	34.23		27.141	93.3	1.067			
800									800	4.28	34.28		27.207	87.1	1.165			
1000									1000	3.76	34.39		27.348	73.7	1.342			

A) THE OXYGEN VALUES AT 75 AND 100 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30040

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43 27.5 N			125 54.5 W			10/26/72			1723 GMT			3040 M	040	12 KT	1	340 07 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	STGT	DT	DD			
0									0	12.77	32.23		24.318	361.6	0.000			
10									10	12.77	32.23		24.318	361.6	0.036			
20									20	12.77	32.23		24.318	361.6	0.072			
30									30	10.10	32.48		24.993	297.3	0.105			
50									50	8.11	32.61		25.406	258.0	0.161			
75									75	7.64	32.93		25.725	227.7	0.222			
100									100	7.91	33.36		26.023	199.4	0.276			
125									125	7.86	33.62		26.233	179.4	0.324			
150									150	7.61	33.80		26.411	162.6	0.367			
200									200	7.20	33.89		26.539	150.4	0.446			
250									250	6.50	33.92		26.658	139.1	0.520			
300									300	5.85	33.90		26.725	132.7	0.590			
400									400	5.76	34.07		26.870	119.0	0.720			
500									500	5.30	34.14		26.981	108.5	0.840			
600									600	4.90	34.20		27.075	99.6	0.950			
700									700	4.56	34.26		27.161	91.4	1.052			
800									800	4.23	34.30		27.228	85.1	1.148			
1000									1000	3.72	34.40		27.360	72.6	1.321			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30050

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43 5.5 N			126 43.0 W			10/26/72			1003 GMT			3541 M	360	11 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	STGT	DT	DD			
0									0	13.20	32.52		24.457	349.3	0.000			
10									10	13.23	32.52		24.451	348.9	0.035			
20									20	13.23	32.52		24.451	348.9	0.070			
30									30	12.55	32.49		24.561	338.5	0.104			
50									50	9.20	32.88		25.451	253.7	0.164			
75									75	8.22	33.10		25.774	223.1	0.223			
100									100	8.40	33.38		25.966	204.8	0.277			
125									125	7.73	33.62		26.252	177.6	0.326			
150									150	7.57	33.81		26.424	161.3	0.369			
200									200	6.85	33.87		26.572	147.3	0.447			
250									250	6.15	33.89		26.660	137.1	0.520			
300									300	6.32	34.01		26.752	130.2	0.588			
400									400	5.58	34.09		26.908	115.4	0.716			
500									500	5.00	34.14		27.016	105.1	0.831			
600									600	4.76	34.21		27.099	97.3	0.938			
700									700	4.36	34.27		27.190	88.6	1.038			
800									800	4.02	34.31		27.258	82.2	1.130			
1000									1000	3.60	34.43		27.396	69.2	1.297			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30050

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
43 5.5 N			126 43.0 W			10/26/72			1119 GMT			3541 M	360	11 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	STGT	DT	DD			
0	13.22	32.522	6.28	0.38	1.	0.02	0.1	348.6	0	13.22	32.522	6.28	24.455	348.6	0.000			
10	13.22	32.520	6.75	0.37	1.	0.01	0.0	348.7	10	13.22	32.520	6.75	24.453	348.7	0.035			
20	10.24	32.847	6.35	0.83	5.	0.28	5.6	272.4	20	13.00	32.520	6.55	24.497	344.6	0.070			
30	8.67	32.965	5.96	1.11	10.	0.18	10.5	239.6	30	10.24	32.847	6.35	25.255	272.4	0.100			
40	8.48	33.091	5.48	1.28	15.	0.05	13.5	227.5	40	8.93	32.944	6.06	25.542	245.1	0.152			
50	7.93	33.165	5.35	1.36	18.	0.00	15.2	214.2	50	8.23	33.121	5.42	25.768	221.7	0.211			
60	8.04	33.334	4.93	1.50	23.	0.00	17.2	203.2	60	8.03	33.346	4.90	25.993	202.2	0.264			
70	7.76	33.639	4.14	1.76	31.	0.00	20.7	176.6	70	7.81	33.604	4.24	26.227	180.0	0.313			
80	7.64	33.775	3.67	1.93	36.	0.00	26.3	164.2	80	7.66	33.763	3.70	26.375	166.0	0.356			
90	7.32	33.834	3.95	1.84	37.	0.00	23.9	156.1	90	7.00	33.874	3.89	26.554	149.0	0.436			
100	6.86	33.886	3.86	1.92	42.	0.00	25.4	146.7	100	6.36	33.899	3.40	26.660	138.9	0.510			
110	6.10	33.902	3.04	2.31	54.	0.00	31.1	135.6	110	5.96	33.938	2.55	26.742	131.1	0.579			
120	5.69	34.031	1.45	2.87	72.	0.00	34.9	121.1	120	5.42	34.037	1.29	26.885	117.6	0.708			
130	4.90	34.047	1.14	3.08	85.	0.00	37.2	111.0	130	4.87	34.091	0.95	26.992	107.4	0.826			
140	4.80	34.206	0.44	3.24	97.	0.00	42.9	98.3	140	4.79	34.209	0.43	27.095	97.7	0.934			
150	4.22	34.280	0.22	3.38	116.	0.00	42.1	86.5	150	4.42	34.263	0.24	27.178	89.8	1.034			
160	3.79	34.353	0.22	3.40	126.	0.00	42.9	76.6	160	4.06	34.306	0.22	27.251	82.9	1.178			
170	3.32	34.450	0.43	3.35	142.	0.00	45.7	65.1	170	3.56	34.400	0.32	27.376	71.0	1.297			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30060

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
42 44.5 N			127 30.0 W			10/26/72			0234 GMT			2785 M	350	26 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
									0	14.99	32.33		23.942	397.5	0.000			
									10	14.99	32.33		23.942	397.5	0.040			
									20	14.94	32.32		23.945	397.2	0.080			
									30	14.81	32.38		24.019	390.2	0.119			
									40	17.22	32.65		24.747	320.7	0.190			
									50	9.50	32.85		25.380	260.5	0.263			
									60	8.75	33.16		25.740	226.3	0.324			
									70	8.46	33.33		25.917	209.4	0.379			
									80	8.00	33.66		26.244	178.4	0.428			
									90	7.10	33.89		26.553	149.0	0.512			
									100	6.46	33.93		26.671	137.9	0.585			
									110	5.88	33.94		26.753	130.1	0.654			
									120	5.63	34.03		26.855	120.4	0.793			
									130	4.80	34.04		26.960	110.5	0.904			
									140	4.67	34.17		27.077	99.3	1.015			
									150	4.20	34.23		27.176	90.0	1.116			
									160	3.77	34.31		27.283	79.8	1.207			
									170	3.34	34.40		27.397	69.0	1.370			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
42 26.0 N			128 18.0 W			10/25/72		2033 GMT		3107 M	010	27 KT	2	010 06 06		
Z	T	S	02	P04	S103	N02	N03	DT		Z	T	S	02	SIGT	DT	DD
										0	15.32	32.24		23.801	410.9	0.000
										10	15.32	32.24		23.801	410.9	0.041
										20	15.30	32.26		23.821	409.0	0.082
										30	15.30	32.25		23.813	409.7	0.123
										50	12.39	32.59		24.669	328.2	0.197
										75	9.45	32.72		25.286	269.4	0.272
										100	8.45	32.83		25.528	246.4	0.337
										125	8.22	33.20		25.852	215.6	0.395
										150	8.31	33.46		26.042	197.6	0.447
										200	7.76	33.85		26.428	160.9	0.539
										250	7.29	33.93		26.558	148.6	0.618
										300	6.66	33.99		26.692	135.9	0.691
										400	5.80	34.02		26.826	123.2	0.825
										500	5.10	34.10		26.973	109.2	0.947
										600	4.56	34.16		27.081	96.9	1.056
										700	3.99	34.21		27.182	89.4	1.157
										800	4.02	34.30		27.250	83.0	1.250
										1000	3.51	34.42		27.396	69.1	1.417

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
42 8.0 N			129 3.0 W			10/25/72		1440 GMT		3386 M	360	15 KT	1	020 10 07		
Z	T	S	02	P04	S103	N02	N03	DT		Z	T	S	02	SIGT	DT	DD
										0	15.44	32.59		24.043	387.8	0.000
										10	15.48	32.59		24.035	388.6	0.039
										20	15.48	32.60		24.042	387.9	0.078
										30	15.48	32.61		24.050	387.2	0.117
										50	15.14	32.58		24.101	382.3	0.194
										75	9.75	32.77		25.277	270.3	0.276
										100	8.60	32.97		25.615	238.2	0.340
										125	8.22	33.24		25.883	212.7	0.396
										150	7.77	33.53		26.176	184.9	0.447
										200	7.20	33.83		26.492	154.8	0.533
										250	6.55	33.90		26.636	141.2	0.609
										300	6.04	33.92		26.717	133.5	0.679
										400	5.34	34.00		26.866	119.4	0.810
										500	4.70	34.10		27.019	104.9	0.927
										600	4.36	34.16		27.103	96.9	1.033
										700	4.11	34.24		27.193	88.4	1.132
										800	3.89	34.31		27.271	81.0	1.223
										1000	3.37	34.42		27.410	67.8	1.386

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

30080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
42 8.0 N			129 3.0 W			10/25/72		1440 GMT		3386 M	360	15 KT	1	020 10 07		
Z	T	S	02	P04	S103	N02	N03	DT		Z	T	S	02	SIGT	DT	DD
0	15.46	32.59	6.42	0.33	1.	0.01	0.0	398.7		0	15.46	32.59	6.42	24.039	388.2	0.000
10	15.47	32.60	6.38	0.31	0.	0.01	0.0	387.7		10	15.47	32.60	6.38	24.044	387.7	0.039
30	15.46	32.60	5.87	0.33	0.	0.01	0.0	367.5		20	15.46	32.60	6.10	24.046	387.6	0.078
55	11.80	32.71	6.58	0.49	2.	0.23	0.6	308.8		30	15.46	32.60	5.87	24.047	387.5	0.116
70	10.00	32.77	3.23	0.72	4.	0.05	4.1	274.3		50	15.20	32.62	6.44	24.119	380.6	0.193
84	9.16	32.83	6.01	0.91	8.	0.02	8.2	256.8		75	9.62	32.79	4.08	25.310	267.2	0.275
98	8.94	33.01	5.59	1.16	13.	0.01	11.9	240.2		100	8.89	33.03	5.56	25.617	238.0	0.338
129	8.12	33.28	5.16	1.32	18.	0.01	15.1	208.3		125	8.22	33.25	5.21	25.889	212.1	0.395
153	7.88	33.53	4.39	1.61	27.	0.01	21.5	186.4		150	7.90	33.50	4.49	26.133	188.9	0.446
179	7.74	33.74	3.90	1.81	34.	0.02	22.7	168.8		200	7.48	33.84	3.62	26.462	157.7	0.534
213	7.28	33.88	3.48	1.94	41.	0.00	26.0	152.2		250	6.70	33.91	3.07	26.626	142.1	0.610
277	6.31	33.91	2.78	2.30	53.	0.01	32.5	137.5		300	6.14	33.93	2.50	26.715	133.7	0.681
386	5.68	34.02	1.55	2.78	71.	0.01	37.3	121.8		400	5.54	34.03	1.44	26.863	119.7	0.812
471	4.88	34.06	1.03	3.24	86.	0.01	40.0	109.8		500	4.73	34.08	0.93	26.999	106.8	0.931
608	4.37	34.16	0.68	3.20	104.	0.01	45.3	97.0		600	4.38	34.15	0.69	27.095	97.6	1.038
762	3.94	34.30	0.29	3.31	123.	0.00	42.7	82.2		700	4.10	34.25	0.42	27.199	87.9	1.137
910	3.62	34.38	0.28	3.38	134.	0.00	44.7	73.1		800	3.85	34.32	0.29	27.286	79.6	1.227
1119	3.13	34.46	0.50	3.30	147.	0.01	46.0	62.7		1000	3.41	34.41	0.37	27.402	68.6	1.390

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
41 43.0 N			124 38.0 W			10/30/72		1220 GMT		713 M	020	06 KT	0			
Z	T	S	02	P04	S103	N02	N03	DT		Z	T	S	02	SIGT	DT	DD
										0	12.16	33.01		25.037	293.1	0.000
										10	12.18	33.02		25.041	292.8	0.029
										20	12.20	33.03		25.045	292.4	0.059
										30	12.20	33.03		25.045	292.4	0.088
										50	11.98	33.06		25.110	286.2	0.146
										75	9.29	33.31		25.772	223.2	0.210
										100	8.99	33.59		26.038	197.9	0.263
										125	8.50	33.81		26.286	174.4	0.310
										150	8.48	33.95		26.399	163.7	0.353
										200	7.61	34.01		26.575	146.9	0.432
										250	7.31	34.07		26.665	138.4	0.505
										300	6.63	34.07		26.759	129.6	0.574
										400	6.28	34.14		26.860	120.0	0.704
										500	5.54	34.19		26.992	107.4	0.823

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721C

40040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
41 43.0 N		124 38.0 W		10/30/72		1308 GMT		713 M		020		06 KT		0			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	12.21	32.99	6.23	0.13	1.	0.10	1.9	295.5	0	12.21	32.99	6.23	25.012	295.5	0.000		
10	12.22	32.98	6.76	0.50	3.	0.09	1.7	296.4	10	12.22	32.98	6.78	25.002	296.4	0.030		
30	11.70	33.07	6.13	0.52	10.	0.15	4.3	280.5	20	11.96	32.98	6.60	25.053	291.6	0.059		
50	9.70	33.20	5.45	0.67	19.	0.21	10.2	237.7	30	11.70	33.07	6.13	25.169	280.5	0.086		
80	9.30	33.47	4.63	1.09	26.	0.02	15.8	211.5	50	9.70	33.20	5.45	25.620	237.7	0.140		
110	8.62	33.69	3.92	1.38	33.	0.01	20.8	185.0	75	9.37	33.45	4.75	25.866	214.3	0.197		
149	8.44	33.94	3.15	1.68	43.	0.01	22.9	163.8	100	8.84	33.62	4.14	26.086	193.4	0.248		
204	7.82	34.01	2.53	1.93	51.	0.01	22.9	149.8	125	8.52	33.80	3.60	26.275	175.4	0.294		
254	7.30	34.05	1.86	2.21	59.	0.03	32.3	139.8	150	8.43	33.94	3.14	26.401	163.5	0.337		
309	6.66	34.05	1.77	2.55	60.	0.08	31.8	131.4	200	7.87	34.01	2.57	26.538	150.5	0.417		
407	6.20	34.11	1.10	2.70	69.	0.01	34.8	121.2	250	7.34	34.05	1.91	26.643	140.5	0.492		
511	5.14	34.10 U	0.92	2.84	84.	0.01	30.8		300	6.76	34.05	1.78	26.726	132.6	0.562		
									400	6.23	34.10	1.15	26.839	122.0	0.695		
									500	5.25		0.94					

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721U

40050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
41 23.5 N		125 25.0 W		10/30/72		1855 GMT		3093 M		020		10 KT		2		020 03 04	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	12.57	32.94		24.905	305.7	0.000		
									10	12.57	32.94		24.905	305.7	0.031		
									20	12.56	32.95		24.914	304.8	0.061		
									30	12.07	32.96		25.015	295.2	0.091		
									50	11.49	32.97		25.057	291.3	0.150		
									75	9.91	33.22		25.600	239.5	0.217		
									100	9.10	33.52		25.966	204.8	0.273		
									125	8.85	33.73		26.170	185.5	0.322		
									150	8.70	33.77		26.224	180.3	0.368		
									200	7.91	33.96		26.492	154.8	0.454		
									250	7.08	33.97		26.619	142.8	0.530		
									300	6.59	34.01		26.717	133.5	0.601		
									400	5.54	34.03		26.866	119.4	0.732		
									500	5.34	34.15		26.985	108.1	0.851		
									600	4.83	34.20		27.063	98.6	0.961		
									700	4.59	34.28		27.173	90.3	1.062		
									800	4.36	34.34		27.246	83.4	1.156		
									1000	3.86	34.38		27.330	75.4	1.331		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721V

40060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
41 3.0 N		126 8.5 W		10/31/72		0045 GMT		3278 M		010		12 KT		1		010 05 05	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	12.74	32.93		24.864	309.6	0.000		
									10	12.74	32.93		24.864	309.6	0.031		
									20	12.74	32.93		24.864	309.6	0.062		
									30	12.53	32.94		24.912	305.0	0.093		
									50	10.39	33.02		25.364	262.1	0.150		
									75	9.34	33.23		25.702	229.9	0.211		
									100	8.58	33.46		26.061	201.5	0.266		
									125	8.54	33.80		26.272	175.7	0.313		
									150	8.31	33.86		26.354	167.9	0.357		
									200	7.74	33.96		26.517	152.4	0.439		
									250	7.05	34.01		26.654	139.4	0.513		
									300	6.66	34.02		26.715	133.7	0.584		
									400	5.78	34.06		26.860	119.9	0.715		
									500	5.08	34.10		26.975	109.0	0.835		
									600	4.66	34.19		27.094	97.7	0.944		
									700	4.34	34.29		27.208	86.9	1.043		
									800	4.04	34.34		27.280	80.2	1.133		
									1000	3.61	34.43		27.395	69.3	1.298		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721W

40060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
41 3.0 N		126 8.5 W		10/31/72		0155 GMT		3277 M		010		12 KT		1		010 5 5	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	12.70	32.95	6.37	0.44	1.	0.06	1.2	307.4	0	12.70	32.95	6.37	24.887	307.4	0.000		
10	12.70	32.95	6.91	0.47	1.	0.06	1.0	307.4	10	12.70	32.95	6.91	24.887	307.4	0.031		
30	11.97	32.99	6.33	0.60	3.	0.13	3.2	294.2	20	12.47	32.96	6.76	24.941	302.2	0.061		
55	9.45	33.18	5.55	1.14	19.	0.19	10.9	235.3	30	11.97	32.99	6.33	25.057	291.2	0.091		
70	9.19	33.32	5.11	1.28	16.	0.09	13.9	221.0	50	9.92	33.13	5.71	25.528	246.5	0.145		
86	8.97	33.37	4.94	1.41	19.	0.04	16.1	214.0	75	9.13	33.34	5.06	25.817	219.0	0.203		
102	8.50	33.54	4.48	1.59	23.	0.01	18.2	194.4	100	8.56	33.52	4.34	26.048	197.0	0.256		
132	8.44	33.80	3.86	1.75	29.	0.01	12.6	174.2	125	8.45	33.76	3.97	26.252	177.6	0.303		
157	8.12	33.88	3.75	1.84	32.	0.01	24.0	163.7	150	8.22	33.86	3.79	26.371	166.3	0.347		
181	7.82	33.95	3.13	2.06	39.	0.01	25.4	154.3	200	7.54	33.97	2.85	26.556	148.8	0.427		
216	7.31	33.98	2.69	2.28	46.	0.01	28.6	145.1	250	6.96	33.99	2.42	26.653	139.5	0.501		
279	6.72	34.00	2.23	2.51	65.	0.00	32.2	135.9	300	6.53	34.01	2.06	26.724	132.9	0.571		
378	5.90	34.05	1.46	2.82	70.	0.01	34.8	122.1	400	5.76	34.07	1.32	26.867	119.3	0.702		
477	5.32	34.12	0.94	3.11	82.	0.00	36.8	110.2	500	5.20	34.14	0.86	26.990	107.6	0.820		
612	4.66	34.21	0.60	3.23	100.	0.00	41.6	96.2	600	4.71	34.20	0.62	27.098	97.4	0.929		
768	4.14	34.32	0.30	3.32	115.	0.00	40.1	82.6	700	4.34	34.27	0.40	27.195	88.2	1.026		
919	3.82	34.40	0.43	3.37	124.	0.00	41.6	73.5	800	4.07	34.34	0.31	27.276	80.5	1.120		
1130	3.28	34.46	0.60	3.27	139.	0.00	46.1	64.0	1000	3.61	34.42	0.50	27.388	69.9	1.228		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40070

LATITUDE 40 43.5 N			LONGITUDE 126 55.0 W		MO/DAY/YR 10/31/72	MESSENGER TIME 0828 GMT		TIME	BOTTOM 3106 M	WIND 360	SPEED 12 KT	WEATHER 0	DOMINANT WAVES		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	13.18	32.95						316.4	0	13.18	32.95		24.793	316.4	0.000
10	13.20	32.95						316.8	10	13.20	32.95		24.789	316.8	0.032
30	13.06	33.01						309.7	20	13.13	32.98		24.826	313.2	0.063
55	10.06	33.08						252.3	30	13.06	33.01		24.863	309.7	0.094
70	9.42	33.20						233.4	50	10.69	33.05		25.337	264.6	0.152
85	8.91	33.46						206.4	75	9.22	33.28		25.762	224.2	0.213
100	8.84	33.65						191.2	100	8.84	33.65		26.109	191.2	0.266
131	8.80	33.77						181.7	125	8.81	33.76		26.199	182.7	0.313
156	8.55	33.89						169.2	150	8.62	33.86		26.309	172.2	0.358
181	8.24	33.94						161.0	200	7.86	33.96		26.500	154.1	0.441
215	7.54	33.97						149.0	250	7.00	33.98		26.641	140.8	0.517
279	6.64	33.99						135.7	300	6.38	34.00		26.734	131.9	0.587
379	5.62	34.03						120.3	400	5.54	34.05		26.880	118.0	0.716
478	5.34	34.12						110.4	500	5.24	34.14		26.987	107.9	0.834
614	4.73	34.23						95.5	600	4.79	34.22		27.103	97.0	0.943
768	4.30	34.33						83.5	700	4.47	34.29		27.195	88.2	1.042
918	3.94	34.38						76.2	800	4.22	34.34		27.262	81.8	1.134
1127	3.28	34.47						63.2	1000	3.68	34.41		27.375	71.1	1.303

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40070

LATITUDE 40 43.5 N			LONGITUDE 126 55.0 W		MO/DAY/YR 10/31/72	MESSENGER TIME 1010 GMT		TIME	BOTTOM 3297 M	WIND 360	SPEED 12 KT	WEATHER 0	DOMINANT WAVES		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	13.13	32.97							0	13.13	32.97		24.818	314.0	0.000
10	13.13	32.97							10	13.13	32.97		24.818	314.0	0.031
20	13.13	32.97							20	13.13	32.97		24.818	314.0	0.063
30	13.13	32.96							30	13.13	32.96		24.810	314.7	0.094
50	13.00	33.01							50	13.00	33.01		24.875	308.6	0.157
75	10.64	32.84							75	10.64	32.84		25.181	279.5	0.231
100	9.03	33.26							100	9.03	33.26		25.775	223.0	0.294
125	8.84	33.66							125	8.84	33.66		26.116	190.5	0.346
150	8.71	33.81							150	8.71	33.81		26.254	177.5	0.393
200	7.76	33.97							200	7.76	33.97		26.522	152.0	0.477
250	7.15	34.00							250	7.15	34.00		26.633	141.5	0.552
300	6.66	34.03							300	6.66	34.03		26.723	132.9	0.622
400	5.55	34.08							400	5.55	34.08		26.904	115.6	0.751
500	5.28	34.14							500	5.28	34.14		26.984	108.2	0.869
600	4.79	34.23							600	4.79	34.23		27.111	96.1	0.977
700	4.46	34.32							700	4.46	34.32		27.219	85.9	1.075
800	4.12	34.37							800	4.12	34.37		27.295	78.7	1.164
1000	3.54	34.45							1000	3.54	34.45		27.417	67.1	1.325

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40080

LATITUDE 40 25.0 N			LONGITUDE 127 42.5 W		MO/DAY/YR 10/31/72	MESSENGER TIME 1437 GMT		TIME	BOTTOM 1387 M	WIND 330	SPEED 2 KT	WEATHER 1	DOMINANT WAVES 350 01 5		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	13.40	32.92							0	13.40	32.92		24.726	322.8	0.000
10	13.40	32.92							10	13.40	32.92		24.726	322.8	0.032
20	13.40	32.92							20	13.40	32.92		24.726	322.8	0.065
30	13.36	32.92							30	13.36	32.92		24.730	322.4	0.097
50	13.36	32.92							50	13.36	32.92		24.734	322.0	0.162
75	10.23	33.10							75	10.23	33.10		25.453	253.5	0.234
100	9.19	33.40							100	9.19	33.40		25.856	215.0	0.293
125	8.69	33.59							125	8.69	33.59		26.085	193.5	0.344
150	8.15	33.73							150	8.15	33.73		26.277	175.3	0.391
200	7.52	33.93							200	7.52	33.93		26.526	151.7	0.474
250	7.14	34.02							250	7.14	34.02		26.650	139.9	0.549
300	6.42	34.02							300	6.42	34.02		26.747	130.7	0.619
400	5.68	34.08							400	5.68	34.08		26.888	117.3	0.747
500	5.17	34.18							500	5.17	34.18		27.028	104.0	0.863
600	4.50	34.18							600	4.50	34.18		27.104	96.8	0.969
700	4.42	34.28							700	4.42	34.28		27.192	88.5	1.068
800	4.14	34.34							800	4.14	34.34		27.269	81.2	1.160
1000	3.41	34.44							1000	3.41	34.44		27.422	66.6	1.323

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40090

LATITUDE 40 3.5 N			LONGITUDE 128 24.0 W		MO/DAY/YR 10/31/72	MESSENGER TIME 1914 GMT		TIME	BOTTOM 4522 M	WIND 250	SPEED 04 KT	WEATHER 1	DOMINANT WAVES 030 03 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.01	32.80							0	14.01	32.80		24.509	343.4	0.000
10	13.99	32.80							10	13.99	32.80		24.513	343.0	0.034
20	13.38	32.77							20	13.38	32.77		24.614	333.4	0.066
30	13.14	32.74							30	13.14	32.74		24.639	331.0	0.101
50	11.65	32.78							50	11.65	32.78		24.954	301.0	0.165
75	9.90	32.91							75	9.90	32.91		25.361	262.3	0.236
100	9.22	33.22							100	9.22	33.22		25.713	228.6	0.297
125	8.46	33.67							125	8.46	33.67		26.183	184.2	0.350
150	8.10	33.79							150	8.10	33.79		26.331	170.1	0.394
200	7.54	33.92							200	7.54	33.92		26.515	152.7	0.477
250	6.96	33.95							250	6.96	33.95		26.617	143.0	0.552
300	6.27	34.05							300	6.27	34.05		26.790	126.6	0.622
400	5.34	34.00							400	5.34	34.00		26.866	119.4	0.749
500	4.83	34.11							500	4.83	34.11		27.012	105.5	0.866
600	4.76	34.22							600	4.76	34.22		27.104	96.8	0.973
700	4.55	34.37							700	4.55	34.37		27.249	83.1	1.070
800	4.17	34.35							800	4.17	34.35		27.274	80.7	1.159
1000	3.64	34.43							1000	3.64	34.43		27.392	69.5	1.325

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
40 3.5 N		128 24.0 W		10/31/72		2121 GMT			4521 M	250	4 KT	1	070 3 5		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.09	32.791	6.27	0.34	0.	0.00	0.0	345.6	0	14.09	32.791	6.27	24.486	345.6	0.000
9	13.88	32.781	6.29	0.34	0.	0.00	0.0	342.3	10	13.85	32.779	6.30	24.525	341.9	0.034
29	13.04	32.758	6.49	0.41	1.	0.02	0.2	327.8	20	13.50	32.763	6.40	24.585	336.2	0.068
54	10.94	32.897	6.41	0.59	2.	0.18	2.6	240.2	30	12.96	32.763	6.49	24.691	326.1	0.102
69	9.88	32.924	6.24	0.87	6.	0.26	6.5	241.0	50	11.30	32.871	6.42	25.098	288.3	0.163
84	9.39	33.176	5.62	1.06	11.	0.02	10.8	234.7	75	9.64	33.018	6.00	25.488	250.2	0.231
99	9.10	33.328	5.32	1.17	14.	0.01	13.1	219.0	100	9.08	33.336	5.31	25.827	218.1	0.290
130	8.40	33.546	4.93	1.41	20.	0.01	15.0	192.5	125	8.50	33.515	5.00	26.055	196.4	0.342
154	8.15	33.724	4.35	1.68	28.	0.01	21.5	175.7	150	8.18	33.697	4.45	26.246	178.2	0.389
179	7.90	33.837	3.82	1.86	34.	0.00	23.3	163.8	200	7.62	33.891	3.71	26.480	156.0	0.474
213	7.44	33.912	3.68	1.95	40.	0.00	25.4	151.9	250	6.99	33.945	3.21	26.611	143.6	0.551
277	6.68	33.952	2.86	2.28	51.	0.00	30.7	139.0	300	6.37	33.954	2.86	26.701	135.0	0.623
376	5.46	33.968	2.66	2.68	68.	0.00	34.4	123.1	400	5.29	33.988	2.49	26.865	119.7	0.754
475	4.94	34.068	1.21	3.03	84.	0.00	35.6	109.9	500	4.89	34.100	1.00	26.997	106.9	0.873
608	4.76	34.227	0.52	3.24	97.	0.00	39.8	96.0	600	4.76	34.218	0.53	27.105	96.7	0.980
758	4.36	34.315	0.32	3.34	109.	0.00	39.8	85.2	700	4.53	34.287	0.40	27.186	89.1	1.080
907	3.94	34.392	0.39	3.36	119.	0.00	41.2	75.3	800	4.24	34.336	0.34	27.257	82.3	1.173
1116	3.43	34.464	0.57	3.29	133.	0.00	42.8	65.1	1000	3.71	34.424	0.47	27.379	70.7	1.342

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 42.5 N		129 9.5 W		11/01/72		0236 GMT			4474 M	220	15 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.80	32.92							0	15.80	32.92		24.216	371.3	0.000
10	15.80	32.92							10	15.80	32.92		24.216	371.3	0.037
20	15.81	32.91							20	15.81	32.91		24.207	372.2	0.074
30	15.81	32.91							30	15.81	32.91		24.207	372.2	0.112
50	15.78	32.91							50	15.78	32.91		24.213	371.6	0.186
75	13.22	32.83							75	13.22	32.83		24.692	326.0	0.274
100	9.82	32.84							100	9.82	32.84		25.320	266.2	0.346
125	8.90	33.14							125	8.90	33.14		25.701	230.0	0.411
150	8.77	33.44							150	8.77	33.44		25.956	205.8	0.466
200	8.10	33.61							200	8.10	33.61		26.347	168.6	0.561
250	7.30	33.94							250	7.30	33.94		26.565	144.0	0.642
300	6.58	33.95							300	6.58	33.95		26.671	137.9	0.716
400	5.73	34.03							400	5.73	34.03		26.843	121.6	0.850
500	5.00	34.06							500	5.00	34.06		26.953	111.1	0.972
600	4.70	34.19							600	4.70	34.19		27.090	98.2	1.062
700	4.40	34.25							700	4.40	34.25		27.170	90.5	1.153
800	4.07	34.31							800	4.07	34.31		27.253	82.7	1.277
1000	3.54	34.41							1000	3.54	34.41		27.386	70.1	1.444

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40120

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 3.0 N		130 39.0 W		11/02/72		1358 GMT			4484 M	270	14 KT	2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	16.23	33.06							0	16.23	33.06		24.227	370.3	0.000
10	16.23	33.06							10	16.23	33.06		24.227	370.3	0.037
20	16.23	33.06							20	16.23	33.06		24.227	370.3	0.074
30	16.24	33.06							30	16.24	33.06		24.225	370.5	0.111
50	16.26	33.07							50	16.26	33.07		24.228	370.2	0.166
75	12.21	33.11							75	12.21	33.11		25.105	286.7	0.268
100	10.90	33.02							100	10.90	33.02		25.275	270.5	0.338
125	9.97	33.07							125	9.97	33.07		25.474	251.6	0.404
150	9.52	33.23							150	9.52	33.23		25.672	232.7	0.465
200	8.57	33.71							200	8.57	33.71		26.204	182.2	0.571
250	7.94	33.95							250	7.94	33.95		26.480	156.0	0.657
300	7.24	33.97							300	7.24	33.97		26.597	144.9	0.734
400	5.72	33.94							400	5.72	33.94		26.773	126.2	0.876
500	4.89	34.02							500	4.89	34.02		26.935	112.9	1.001
600	4.68	34.17							600	4.68	34.17		27.076	99.5	1.113
700	4.12	34.21							700	4.12	34.21		27.168	90.7	1.215
800	3.85	34.28							800	3.85	34.28		27.252	82.8	1.308
1000	3.43	34.41							1000	3.43	34.41		27.396	69.1	1.474

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40180

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 0.5 N		134 46.0 W		11/02/72		1322 GMT			564 M	230	12 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	17.93	33.44							0	17.93	33.44		24.117	380.8	0.000
10	17.93	33.44							10	17.93	33.44		24.117	380.8	0.038
20	17.93	33.44							20	17.93	33.44		24.117	380.8	0.076
30	17.93	33.45							30	17.93	33.45		24.125	380.1	0.114
50	17.93	33.49							50	17.93	33.49		24.155	377.1	0.190
75	15.25	33.54							75	15.25	33.54		24.814	314.4	0.277
100	12.88	33.33							100	12.88	33.33		25.145	282.6	0.352
125	11.95	33.35							125	11.95	33.35		25.340	264.3	0.422
150	11.08	33.36							150	11.08	33.36		25.507	246.4	0.486
200	9.25	33.93							200	9.25	33.93		26.184	184.1	0.596
250	8.74	34.00							250	8.74	34.00		26.398	163.8	0.685
300	7.90	34.00							300	7.90	34.00		26.525	151.7	0.767
400	6.26	33.95							400	6.26	33.95		26.713	133.9	0.915
500	4.90	34.00							500	4.90	34.00		26.917	114.5	1.044
600	4.49	34.12							600	4.49	34.12		27.057	101.2	1.158
700	4.51	34.26							700	4.51	34.26		27.166	90.9	1.260
800	4.18	34.33							800	4.18	34.33		27.257	82.3	1.354
1000	3.58	34.42							1000	3.58	34.42		27.390	69.7	1.522

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 40.0 N			124 7.5 W			11/08/72		0954 GMT		855 M	110	02 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	12.94	33.36							0	12.94	33.36		25.157	281.8	0.000	
10	12.94	33.36							10	12.94	33.36		25.157	281.8	0.028	
20	12.96	33.37							20	12.96	33.37		25.160	281.4	0.056	
30	13.05	33.41							30	13.05	33.41		25.173	280.2	0.085	
50	12.02	33.46							50	12.02	33.46		25.411	257.5	0.138	
75	10.72	33.62							75	10.72	33.62		25.773	223.2	0.199	
100	9.89	33.80							100	9.89	33.80		26.055	196.3	0.252	
125	9.40	33.93							125	9.40	33.93		26.238	179.0	0.299	
150	9.20	33.99							150	9.20	33.99		26.317	171.5	0.344	
200	8.75	34.06							200	8.75	34.06		26.443	159.5	0.428	
250	8.39	34.07							250	8.39	34.07		26.506	153.5	0.508	
300	7.96	34.09							300	7.96	34.09		26.587	145.9	0.586	
400	6.60	34.18							400	6.60	34.18		26.622	123.5	0.726	
500	5.88	34.19							500	5.88	34.19		26.950	111.4	0.850	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 40.0 N			124 7.5 W			11/08/72		1040 GMT		855 M	110	2 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	13.01	33.365	6.08	0.79	10.	0.15	4.6	282.7	0	13.01	33.365	6.08	25.147	282.7	0.000	
9	12.94	33.365	6.10	0.75	9.	0.13	4.4	281.4	10	12.94	33.365	6.09	25.162	281.2	0.028	
29	12.98	33.422	5.98	0.90	11.	0.16	6.5	277.3	20	12.96	33.397	6.03	25.160	279.5	0.056	
49	11.92	33.526	4.75	1.23	15.	0.22	12.3	249.1	30	12.94	33.427	5.93	25.209	276.8	0.084	
73	10.40	33.663	3.74	1.63	22.	0.02	18.1	214.7	50	11.75	33.532	4.70	25.516	247.5	0.137	
98	9.72	33.820	3.23	1.87	26.	0.01	22.6	192.1	75	10.32	33.677	3.69	25.885	212.5	0.195	
123	9.43	33.917	2.88	2.02	30.	0.01	22.6	180.4	100	9.69	33.850	3.20	26.111	191.0	0.245	
148	9.05	33.988	2.54	1.75	35.	0.01	23.0	169.3	125	9.40	33.924	2.85	26.233	179.4	0.292	
172	8.89	34.013	2.42	1.90	37.	0.06	27.7	165.1	150	9.03	33.991	2.52	26.345	168.8	0.337	
196	8.78	34.025	2.44	2.06	37.	0.02	26.8	162.5	200	8.76	34.028	2.44	26.417	162.0	0.421	
245	8.40	34.056	2.39	2.34	41.	0.00	28.4	154.7	250	8.35	34.059	2.37	26.504	153.8	0.502	
293	7.90	34.082	2.09	2.47	46.	0.00	30.3	145.6	300	7.82	34.087	2.02	26.605	144.1	0.579	
391	6.80	34.150	1.16	2.90	62.	0.00	32.1	125.6	400	6.71	34.152	1.12	26.612	124.5	0.718	
488	5.92	34.162	0.65	3.40	74.	0.00	33.6	114.0	500	5.83	34.165	0.82	26.936	112.7	0.843	
582	5.29	34.190	0.68	3.67	88.	0.00	39.2	104.6	600	5.19	34.196	0.64	27.039	103.0	0.958	
684	4.74	34.235	0.49	3.74	97.	0.00	39.2	95.2	700	4.67	34.249	0.47	27.140	93.4	1.063	
785	4.28	34.320	0.38		110.	0.00	42.3	84.1								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 20.0 N			124 51.5 W			11/08/72		0354 GMT		2974 M	340	04 KT	0			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	12.97	32.87							0	12.97	32.87		24.773	318.5	0.000	
10	12.97	32.87							10	12.97	32.87		24.773	318.3	0.032	
20	12.97	32.88							20	12.97	32.88		24.780	317.6	0.064	
30	12.34	33.22							30	12.34	33.22		25.165	280.2	0.094	
50	11.83	33.51							50	11.83	33.51		25.331	265.2	0.148	
75	9.30	33.22							75	9.30	33.22		25.700	230.0	0.211	
100	8.50	33.80							100	8.50	33.80		26.044	197.4	0.264	
125	8.53	33.62							125	8.53	33.62		26.133	168.9	0.313	
150	8.31	33.83							150	8.31	33.83		26.331	170.1	0.359	
200	7.68	33.93							200	7.68	33.93		26.503	153.8	0.441	
250	6.97	33.95							250	6.97	33.95		26.618	142.9	0.517	
300	6.55	33.98							300	6.55	33.98		26.698	135.3	0.589	
400	5.49	34.06							400	5.49	34.06		26.895	116.6	0.719	
500	5.05	34.12							500	5.05	34.12		26.995	107.2	0.836	
600	4.58	34.21							600	4.58	34.21		27.119	95.4	0.943	
700	4.29	34.28							700	4.29	34.28		27.206	87.2	1.041	
800	4.04	34.33							800	4.04	34.33		27.272	80.9	1.132	
1000	3.60	34.41							1000	3.60	34.41		27.380	70.7	1.299	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 1.0 N			125 37.0 W			11/07/72		2225 GMT		4034 M	310	15 KT		310 04 04		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	13.47	32.95							0	13.47	32.95		24.735	321.9	0.000	
10	13.47	32.95							10	13.47	32.95		24.735	321.9	0.032	
20	13.40	32.95							20	13.40	32.95		24.749	320.6	0.064	
30	13.10	32.94							30	13.10	32.94		24.801	315.6	0.096	
50	12.99	32.95							50	12.99	32.95		24.830	312.8	0.159	
75	10.23	33.23							75	10.23	33.23		25.554	243.9	0.229	
100	9.45	33.49							100	9.45	33.49		25.887	212.3	0.287	
125	9.05	33.76							125	9.05	33.76		26.162	186.2	0.337	
150	8.73	33.87							150	8.73	33.87		26.298	173.3	0.383	
200	8.05	34.00							200	8.05	34.00		26.503	153.8	0.466	
250	7.82	34.08							250	7.82	34.08		26.600	144.6	0.542	
300	7.18	34.09							300	7.18	34.09		26.699	135.2	0.615	
400	6.23	34.11							400	6.23	34.11		26.843	121.6	0.748	
500	5.62	34.16							500	5.62	34.16		26.959	110.6	0.870	
600	5.29	34.27							600	5.29	34.27		27.085	98.6	0.981	
700	4.71	34.29							700	4.71	34.29		27.168	90.8	1.083	
800	4.41	34.37							800	4.41	34.37		27.264	81.6	1.177	
1000	3.80	34.43							1000	3.80	34.43		27.376	71.1	1.346	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 39.0 N		126 22.0 W		11/07/72		1608 GMT			4259 M	120	13 KT	1	290 10 09		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.19	33.03		24.435	350.4	0.000
									10	15.19	33.04		24.443	349.7	0.035
									20	15.19	33.04		24.443	349.7	0.070
									30	15.19	33.04		24.443	349.7	0.105
									50	13.64	32.99		24.731	322.2	0.172
									75	11.21	32.99		25.197	277.9	0.248
									100	9.82	33.16		25.569	242.6	0.313
									125	9.40	33.46		25.871	213.8	0.371
									150	9.19	33.75		26.131	189.1	0.422
									200	8.65	33.98		26.396	164.0	0.512
									250	7.79	34.01		26.549	149.4	0.592
									300	7.29	34.05		26.652	139.6	0.667
									400	6.45	34.15		26.845	121.3	0.802
									500	5.41	34.14		26.968	109.7	0.924
									600	5.21	34.28		27.102	97.0	1.033
									700	4.67	34.30		27.180	89.6	1.134
									800	4.45	34.38		27.268	81.3	1.227
									1000	3.80	34.44		27.384	70.3	1.395

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 39.0 N		126 22.0 W		11/ 7/72		1714 GMT			4258 M	120	13 KT	1	290 10 9		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.18	33.027	6.09	0.33	0.	0.00	0.0	350.4	0	15.18	33.027	6.09	24.435	350.4	0.000
10	15.18	33.026	6.10	0.34	0.	0.00	0.0	350.5	10	15.18	33.026	6.10	24.435	350.5	0.035
30	14.76	33.024	6.18	0.35	0.	0.00	0.0	342.0	20	15.06	33.029	6.13	24.463	347.8	0.070
55	13.06	32.975	6.44	0.41	0.	0.00	0.2	312.3	30	14.76	33.024	6.18	24.524	342.0	0.105
70	10.81	32.958	6.50	0.53	1.	0.02	1.8	273.5	50	13.55	32.988	6.39	24.746	320.8	0.171
85	9.96	33.132	5.82	0.95	7.	0.19	9.7	246.8	75	10.41	33.005	6.31	25.349	263.5	0.244
101	9.87	33.362	5.18	1.32	13.	0.05	13.8	228.4	100	9.88	33.351	5.22	25.707	229.4	0.306
131	9.26	33.587	4.35	1.60	21.	0.03	19.9	202.3	125	9.39	33.554	4.50	25.946	206.7	0.362
156	9.11	33.759	3.57	1.89	27.	0.02	24.0	187.2	150	9.14	33.720	3.75	26.115	190.6	0.412
181	8.68	33.902	3.00	2.01	33.	0.02	26.0	170.2	200	8.40	33.962	2.82	26.420	161.7	0.502
215	8.20	33.990	2.74	2.17	37.	0.01	27.5	156.7	250	7.76	34.023	2.46	26.564	148.1	0.581
279	7.44	34.033	2.22	2.42	47.	0.02	30.4	142.9	300	7.26	34.053	1.99	26.659	139.0	0.655
378	6.62	34.109	1.26	2.71	61.	0.02	33.0	126.5	400	6.38	34.105	1.20	26.820	123.8	0.791
476	5.60	34.097	1.11	2.97	85.	0.03	34.2	115.1	500	5.47	34.118	1.00	26.943	112.0	0.915
609	5.10	34.238	0.46	3.25	91.	0.01	40.5	98.9	600	5.12	34.227	0.51	27.071	99.9	1.027
911	4.12	34.398	0.38	3.33	115.	0.01	40.5	76.6	700	4.79	34.303	0.44	27.169	90.7	1.130
1122	3.48	34.458	0.57	3.19	131.	0.01	42.1	65.9	800	4.46	34.357	0.41	27.248	83.1	1.224
									1000	3.85	34.423	0.46	27.365	72.1	1.396

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 20.0 N		127 4.5 W		11/07/72		1121 GMT			4493 M	310	04 KT	0			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	13.79	32.83		24.577	336.9	0.000
									10	13.79	32.83		24.577	336.9	0.034
									20	13.79	32.83		24.577	336.9	0.067
									30	13.80	32.84		24.583	336.3	0.101
									50	13.90	32.93		24.632	331.7	0.168
									75	9.60	32.93		25.378	260.7	0.243
									100	8.86	33.16		25.723	227.9	0.304
									125	8.69	33.51		26.023	199.4	0.358
									150	8.43	33.74		26.242	178.6	0.406
									200	7.85	33.92		26.470	156.9	0.491
									250	6.98	33.97		26.633	141.5	0.568
									300	6.12	33.97		26.746	130.7	0.638
									400	5.72	34.13		26.923	114.0	0.764
									500	5.35	34.24		27.054	101.5	0.878
									600	4.81	34.27		27.141	93.3	0.981
									700	4.38	34.32		27.228	85.1	1.077
									800	4.06	34.37		27.301	78.1	1.166
									1000	3.59	34.45		27.412	67.6	1.327

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 1.5 N		127 49.0 W		11/07/72		0550 GMT			4493 M	310	09 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.27	32.96		24.364	357.2	0.000
									10	15.24	32.96		24.366	357.0	0.036
									20	15.24	32.97		24.379	355.8	0.071
									30	15.26	32.96		24.366	357.0	0.107
									50	13.78	32.78		24.541	340.4	0.177
									75	12.15	33.07		25.085	288.5	0.256
									100	11.34	32.98		25.341	264.2	0.326
									125	9.43	33.08		25.570	242.4	0.389
									150	8.81	33.34		25.871	213.8	0.447
									200	8.53	33.89		26.344	168.9	0.544
									250	7.60	33.95		26.530	151.3	0.626
									300	6.93	33.98		26.647	140.1	0.701
									400	5.86	34.03		26.826	123.1	0.838
									500	4.98	34.07		26.963	110.1	0.960
									600	4.83	34.20		27.083	98.8	1.070
									700	4.40	34.26		27.178	89.8	1.171
									800	4.19	34.34		27.264	81.6	1.264
									1000	3.68	34.44		27.396	69.2	1.430

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 20.5 N			129 15.5 W			11/06/72		1655 GMT			4797 M	290	02 KT		290 10 06		
Z	T	S	OZ	P04	SI03	N02	N03	DT			Z	T	S	OZ	SIGT	DT	DD
0	16.32	33.06									0	16.32	33.06		24.206	372.3	0.000
10	16.32	33.06									10	16.32	33.06		24.206	372.3	0.037
20	16.32	33.06									20	16.32	33.06		24.206	372.3	0.075
30	16.33	33.06									30	16.33	33.06		24.204	372.5	0.112
50	16.34	33.06									50	16.34	33.06		24.202	372.7	0.187
75	12.97	33.10									75	12.97	33.10		24.950	301.4	0.271
100	11.67	33.11									100	11.67	33.11		25.206	277.1	0.344
125	10.77	33.16									125	10.77	33.16		25.407	258.0	0.412
150	10.15	33.32									150	10.15	33.32		25.638	236.0	0.474
200	9.05	33.74									200	9.05	33.74		26.146	187.7	0.582
250	7.90	33.94									250	7.90	33.94		26.478	156.2	0.670
300	7.14	33.95									300	7.14	33.95		26.595	145.1	0.747
400	5.84	33.98									400	5.84	33.98		26.789	126.6	0.888
500	5.36	34.09									500	5.36	34.09		26.935	112.9	1.013
600	4.84	34.16									600	4.84	34.16		27.050	101.9	1.126
700	4.52	34.26									700	4.52	34.26		27.165	91.0	1.230
800	4.26	34.33									800	4.26	34.33		27.249	83.1	1.324
1000	3.65	34.41									1000	3.65	34.41		27.375	71.1	1.494

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 20.5 N			129 15.5 W			11/ 6/72		1800 GMT			4786 M	290	2 KT	1	290 10 6		
Z	T	S	OZ	P04	SI03	N02	N03	DT			Z	T	S	OZ	SIGT	DT	DD
0	16.34	33.076	6.18	0.33	0.	0.00	0.1	371.5			0	16.34	33.076	6.18	24.214	371.5	0.000
10	16.34	33.073	5.90	0.33	0.	0.00	0.0	371.8			10	16.34	33.073	5.90	24.212	371.8	0.037
30	16.35	33.075	5.94	0.32	1.	0.00	0.0	371.8			20	16.34	33.075	5.92	24.211	371.8	0.074
55	14.29	33.146	6.50	0.30	1.	0.00	0.0	323.6			30	16.35	33.075	5.94	24.211	371.8	0.112
70	13.02	33.069	6.61	0.33	1.	0.00	0.0	304.6			50	14.80	33.137	6.38	24.602	334.6	0.183
85	12.60	33.117	6.51	0.35	2.	0.00	0.0	293.3			75	12.85	33.082	6.59	24.959	300.6	0.262
101	11.73	33.115	6.31	0.39	2.	0.12	0.5	277.7			100	11.79	33.116	6.32	25.168	278.6	0.335
131	10.42	33.172	5.82	0.78	7.	0.02	5.6	251.3			125	10.64	33.151	5.93	25.422	256.5	0.403
156	9.82	33.363	5.39	0.99	10.	0.02	10.3	227.5			150	9.94	33.309	5.51	25.663	233.6	0.465
181	9.20	33.636	4.64	1.36	18.	0.01	16.6	197.7			200	8.95	33.790	4.46	26.200	182.6	0.570
216	8.78	33.883	4.41	1.50	24.	0.01	18.8	173.1			250	8.07	33.944	4.07	26.457	158.2	0.658
280	7.38	33.938	3.73	1.94	40.	0.00	26.0	149.2			300	7.01	33.943	3.52	26.607	143.9	0.735
380	5.90	33.966	2.59	2.44	60.	0.01	31.2	128.4			400	5.77	33.987	2.29	26.804	125.3	0.875
476	5.44	34.075	1.23	2.94	76.	0.01	34.8	114.9			500	5.31	34.091	1.07	26.941	112.3	0.999
613	4.72	34.169	0.62	3.16	94.	0.00	42.0	100.0			600	4.78	34.160	0.64	27.057	101.3	1.112
765	4.31	34.323	0.33	3.37	91.0	0.00	42.0	84.1			700	4.46	34.259	0.41	27.171	90.5	1.214
914	3.83	34.395	0.35	3.35	118.	0.01	42.0	74.0			800	4.20	34.344	0.33	27.266	81.4	1.307
1124	3.32	34.472	0.61	3.37	139.	0.02	42.0	63.4			1000	3.62	34.426	0.46	27.390	69.7	1.474

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

60060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 37.0 N			123 37.0 W			11/11/72		0054 GMT			3277 M	200	15 KT	5	230 05 08		
Z	T	S	OZ	P04	SI03	N02	N03	DT			Z	T	S	OZ	SIGT	DT	DD
0	13.55	33.03									0	13.55	33.03		24.780	317.6	0.000
10	13.55	33.03									10	13.55	33.03		24.780	317.6	0.032
20	13.41	33.08									20	13.41	33.08		24.847	311.2	0.063
30	13.30	33.18									30	13.30	33.18		24.946	301.8	0.094
50	10.55	33.12									50	10.55	33.12		25.414	257.3	0.150
75	9.87	33.39									75	9.87	33.39		25.739	226.3	0.211
100	9.40	33.56									100	9.40	33.56		25.944	206.4	0.265
125	9.08	33.72									125	9.08	33.72		26.129	189.4	0.315
150	8.56	33.83									150	8.56	33.83		26.293	173.2	0.361
200	8.17	34.03									200	8.17	34.03		26.509	153.3	0.445
250	7.58	34.03									250	7.58	34.03		26.624	142.3	0.520
300	6.87	34.06									300	6.87	34.06		26.718	133.4	0.591
400	5.82	34.07									400	5.82	34.07		26.863	119.7	0.723
500	5.45	34.18									500	5.45	34.18		26.995	107.1	0.842
600	4.97	34.25									600	4.97	34.25		27.107	96.6	0.950
700	4.62	34.31									700	4.62	34.31		27.194	88.3	1.049
800	4.33	34.39									800	4.33	34.39		27.289	79.3	1.141
1000	3.66	34.44									1000	3.66	34.44		27.396	69.2	1.305

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

60060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 37.0 N			123 37.0 W			11/11/72		0153 GMT			3277 M	200	15 KT	5	230 5 8		
Z	T	S	OZ	P04	SI03	N02	N03	DT			Z	T	S	OZ	SIGT	DT	DD
0	13.58	33.009	6.46	0.47	2.	0.05	0.5	319.7			0	13.58	33.009	6.46	24.758	319.7	0.000
10	13.54	33.022	6.45	0.44	2.	0.04	0.6	318.0			10	13.54	33.022	6.45	24.776	318.0	0.032
30	13.38	33.136	6.46	0.51	3.	0.07	1.5	306.5			20	13.46	33.042	6.45	24.807	315.0	0.063
55	9.96	33.148	5.93	0.99	8.	0.13	9.0	245.7			30	13.38	33.136	6.46	24.896	306.5	0.094
70	9.98	33.303	5.43	1.25	13.	0.06	16.8	234.5			50	10.61	33.128	6.08	25.409	257.8	0.151
85	9.56	33.461	4.59	1.31	18.	0.05	17.2	216.2			75	9.86	33.359	5.14	25.717	228.4	0.212
100	9.30	33.568	4.19	1.60	21.	0.04	22.2	204.3			100	9.30	33.568	4.19	25.972	204.3	0.267
131	8.77	33.784	3.55	1.77	29.	0.03	26.0	180.3			125	8.86	33.745	3.66	26.180	184.5	0.316
156	8.60	33.914	3.16	2.00	34.	0.03	26.9	168.1			150	8.63	33.887	3.24	26.326	170.6	0.361
180	8.39	33.989	2.86	2.14	37.	0.03	28.0	159.5			200	8.16	34.016	2.72	26.500	154.1	0.444
215	7.96	34.024	2.64	2.23	42.	0.04	31.3	150.7			250	7.45	34.025	2.49	26.610	143.7	0.520
280	7.02	34.018	2.37	2.48	53.	0.04	31.3	138.5			300	6.76	34.018	2.25	26.700	135.1	0.592
380	5.92	34.043	1.70	2.81	68.	0.03	32.3	122.9			400	5.81	34.064	1.53	26.859	120.0	0.724
480	5.51	34.155	0.89	3.17	82.	0.06	33.8	109.7			500	5.43	34.173	0.80	26.992	107.4	0.843

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

60120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 37.0 N			127 53.0 W			11/12/72		0759 GMT		4536 M	320	12 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	15.69	33.11		24.367	355.1	0.000	
									10	15.69	33.11		24.387	355.1	0.036	
									20	15.69	33.11		24.387	355.1	0.071	
									30	15.69	33.11		24.367	355.1	0.107	
									50	15.65	33.10		24.388	355.0	0.178	
									75	10.10	33.37		25.685	231.5	0.252	
									100	9.32	33.60		25.993	202.2	0.306	
									125	8.81	33.76		26.199	182.6	0.355	
									150	8.50	33.89		26.349	168.4	0.399	
									200	7.75	33.96		26.516	152.6	0.461	
									250	7.27	34.04		26.647	140.1	0.556	
									300	6.48	34.03		26.747	130.7	0.626	
									400	5.58	34.10		26.916	114.6	0.753	
									500	5.33	34.18		27.009	105.8	0.869	
									600	4.85	34.25		27.123	95.0	0.975	
									700	4.42	34.32		27.223	85.5	1.072	
									800	4.18	34.38		27.297	78.6	1.161	
									1000	3.67	34.46		27.412	67.6	1.323	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

60120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 37.0 N			127 53.0 W			11/12/72		0842 GMT		4536 M	320	12 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	15.78	33.079	6.06	0.35	0.	0.07	0.0	359.2	0	15.79	33.079	6.06	24.343	359.2	0.000	
10	15.77	33.077	6.14	0.35	0.	0.13	0.0	359.2	10	15.77	33.077	6.14	24.344	359.2	0.036	
30	15.79	33.078	6.03	0.35	0.	0.13	0.0	359.5	20	15.78	33.078	6.09	24.342	359.4	0.072	
57	12.24	33.220	6.47	0.76	2.	0.48	5.4	279.1	30	15.79	33.078	6.05	24.340	359.5	0.108	
70	10.56	33.319	5.57	1.20	9.	0.10	12.4	242.9	50	13.35	33.163	6.36	24.922	304.1	0.175	
85	9.78	33.420	5.08	1.36	16.	0.08	16.6	242.7	75	10.21	33.351	5.39	25.651	234.8	0.247	
100	9.34	33.598	4.36	1.72	22.	0.08	18.3	202.7	100	9.34	33.598	4.36	25.989	202.7	0.297	
130	8.82	33.742	3.81	1.87	27.	0.08	20.8	134.1	125	8.89	33.728	3.85	26.162	186.2	0.346	
156	8.44	33.867	3.49	1.90	32.	0.06	25.7	169.3	150	8.52	33.843	3.55	26.309	172.3	0.392	
181	8.12	33.885						163.4	200	7.78	33.915	3.50	26.476	156.4	0.476	
216	7.50	33.944	3.50	2.04	39.	0.07	25.9	150.4	250	7.15	33.991	2.86	26.625	142.2	0.552	
280	6.92	34.022	2.21	2.47	54.	0.05	33.7	136.9	300	6.70	34.034	1.99	26.720	133.2	0.623	
380	5.91	34.068	1.44	2.85	69.	0.05	33.6	170.9	400	5.79	34.081	1.32	26.875	116.5	0.753	
480	5.41	34.137	0.91	3.14	80.	0.05	35.9	119.9	500	5.32	34.155	0.81	26.991	107.5	0.872	
614	4.83	34.259	0.38	3.33	97.	0.01	41.4	94.4	600	4.89	34.246	0.42	27.113	95.9	0.990	
768	4.32	34.360	0.39	3.40	112.	0.00	41.4	81.5	700	4.53	34.320	0.39	27.211	86.6	1.078	
919	3.90	34.427	0.47	3.37	121.	0.00	41.4	72.3	800	4.23	34.377	0.41	27.299	79.3	1.168	
1152	3.38	34.481	1.13	3.34	132.	0.00	41.4	63.3	1000	3.70	34.447	0.72	27.399	68.9	1.332	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

70060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 53.0 N			122 23.5 W			11/14/72		0731 GMT		3296 M	210	17 KT	6			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.97	33.46		24.813	314.4	0.000	
									10	14.97	33.46		24.813	314.4	0.031	
									20	14.97	33.47		24.821	313.7	0.063	
									30	14.97	33.47		24.821	313.7	0.094	
									50	11.65	33.49		25.504	248.7	0.151	
									75	10.78	33.58		25.731	227.1	0.211	
									100	10.12	33.77		25.993	202.3	0.265	
									125	9.89	33.85		26.094	192.6	0.315	
									150	9.73	33.98		26.222	180.5	0.362	
									200	9.47	34.12		26.374	166.0	0.450	
									250	8.95	34.12		26.458	153.0	0.534	
									300	8.11	34.18		26.635	141.3	0.611	
									400	7.29	34.20		26.772	128.3	0.752	
									500	6.15	34.21		26.932	113.2	0.879	
									600	5.45	34.26		27.058	101.1	0.993	
									700	5.03	34.31		27.147	92.7	1.095	
									800	4.63	34.36		27.232	84.7	1.194	
									1000	3.94	34.45		27.377	70.4	1.367	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

70060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 53.0 N			122 23.5 W			11/14/72		0815 GMT		3296 M	210	17 KT	6			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	15.02	33.43	6.05	0.39	3.	0.06	0.4	317.7	10	14.94	33.43	6.08	24.787	316.9	0.032	
11	14.98	33.43	6.08	0.39	3.	0.06	0.3	316.6	20	14.98	33.44	6.06	24.791	316.6	0.063	
31	14.99	33.44	6.03	0.40	3.	0.06	0.5	316.3	30	14.99	33.44	6.03	24.793	316.3	0.095	
56	11.40	33.51	4.67	1.16	13.	0.02	11.2	242.9	50	12.29	33.47	5.01	25.372	261.3	0.153	
71	10.92	33.58	4.43	1.31	15.	0.02	13.3	229.5	75	10.81	33.60	4.36	25.741	226.1	0.214	
86	10.52	33.66	4.13	1.50	18.	0.02	16.1	216.9	100	10.18	33.75	3.77	25.970	204.5	0.269	
101	10.16	33.76	3.74	1.67	22.	0.01	16.0	203.6	125	9.89	33.87	3.32	26.108	191.3	0.319	
131	9.86	33.89	3.23	1.83	26.	0.01	18.9	149.2	150	9.73	33.97	2.93	26.214	181.2	0.366	
155	9.70	33.99	2.86	2.01	31.	0.01	23.7	179.3	200	9.53	34.11	2.52	26.350	167.5	0.455	
179	9.58	34.08	2.51	2.19	33.	0.00	24.5	170.7	250	8.85	34.13	2.29	26.485	155.5	0.538	
214	9.46	34.12	2.52	2.28	35.	0.00	25.0	165.9	300	8.08	34.16	1.82	26.621	142.7	0.615	
278	8.29	34.14	2.04	2.43	45.	0.00	29.0	146.8	400	7.26	34.20	1.06	26.777	127.8	0.756	
378	7.50	34.20	1.14	2.83	56.	0.01	29.0	131.3	500	6.22	34.22	0.85	26.929	113.4	0.883	
476	6.42	34.21	0.92	3.15	72.	0.00	34.4	116.5	600	5.53	34.26	0.57	27.052	101.8	0.998	
610	5.48	34.27	0.54	3.29	95.	0.00	41.8	100.7	700	5.02	34.32	0.47	27.159	91.6	1.102	
762	4.76	34.36	0.42	3.40	105.	0.00	40.7	86.0	800	4.62	34.38	0.43	27.248	83.2	1.198	
909	4.24	34.42	0.45	3.44	116.	0.00	42.3	76.1	1000	3.95	34.44	0.57	27.372	71.4	1.369	
1122	3.56	34.48	0.74	3.38	134.	0.00	43.4	65.0								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

70070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 33.0 N			123 6.0 W			11/14/72		0124 GMT		3324 M	210	11 KT	2	220 15 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	15.57	33.46		24.682	327.0	0.000	
									10	15.57	33.46		24.682	327.0	0.033	
									20	15.57	33.46		24.682	327.0	0.065	
									30	15.57	33.46		24.682	327.0	0.098	
									50	11.64	33.36		25.405	258.1	0.157	
									75	10.18	33.49		25.765	223.9	0.218	
									100	9.67	33.65		25.975	203.9	0.271	
									125	9.05	33.82		26.208	181.8	0.320	
									150	8.67	33.92		26.346	168.7	0.365	
									200	8.10	34.00		26.496	154.5	0.447	
									250	7.50	34.05		26.623	142.5	0.523	
									300	7.01	34.10		26.731	132.2	0.594	
									400	6.10	34.11		26.859	120.0	0.725	
									500	5.58	34.18		26.979	108.6	0.845	
									600	5.21	34.25		27.079	99.2	0.956	
									700	4.78	34.33		27.192	88.5	1.057	
									800	4.45	34.38		27.268	81.3	1.149	
									1000	3.77	34.44		27.367	70.0	1.317	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

70080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 12.5 N			123 48.5 W			11/13/72		2037 GMT		4078 M	230	11 KT	2	310 08 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.21	33.04		24.652	329.8	0.000	
									10	14.21	33.04		24.652	329.8	0.033	
									20	14.14	33.05		24.674	327.7	0.066	
									30	13.25	33.04		24.848	311.1	0.098	
									50	10.75	32.92		25.224	275.4	0.157	
									75	10.15	33.21		25.552	244.1	0.222	
									100	10.00	33.55		25.842	216.6	0.290	
									125	9.04	33.67		26.093	192.8	0.332	
									150	8.75	33.87		26.295	173.6	0.378	
									200	8.12	33.98		26.477	156.3	0.462	
									250	7.53	34.01		26.587	145.0	0.540	
									300	7.16	34.06		26.675	137.4	0.613	
									400	6.33	34.09		26.814	124.3	0.749	
									500	5.67	34.14		26.937	112.7	0.873	
									600	5.20	34.24		27.072	99.8	0.986	
									700	4.91	34.32		27.169	90.7	1.088	
									800	4.52	34.37		27.252	82.6	1.185	
									1000	3.86	34.45		27.386	70.1	1.353	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

70090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 53.0 N			124 30.0 W			11/13/72		1449 GMT		4333 M	220	20 KT	2	200 07 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.85	33.30		24.716	323.7	0.000	
									10	14.86	33.30		24.716	323.7	0.032	
									20	14.87	33.30		24.712	324.1	0.065	
									30	14.60	33.27		24.747	320.8	0.097	
									50	10.75	33.36		25.565	242.9	0.154	
									75	10.40	33.66		25.859	214.9	0.211	
									100	9.85	33.84		26.086	193.2	0.263	
									125	9.46	33.97		26.256	177.3	0.310	
									150	9.32	34.05		26.344	168.9	0.354	
									200	9.02	34.15		26.471	156.9	0.437	
									250	8.87	34.18		26.518	152.4	0.516	
									300	8.60	34.21		26.584	146.2	0.593	
									400	7.92	34.20		26.679	137.1	0.741	
									500	6.66	34.16		26.825	123.2	0.878	
									600	5.40	34.22		26.984	108.2	1.002	
									700	5.19	34.28		27.105	96.7	1.112	
									800	4.58	34.33		27.214	86.4	1.212	
									1000	3.92	34.42		27.348	73.7	1.389	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

70090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 53.0 N			124 30.0 W			11/13/72		1528 GMT		4335 M	220	20 KT	2	200 7 6		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	14.94	33.403	6.19	0.42	1.	0.01	0.0	325.3	0	14.94	33.303	6.19	24.699	325.3	0.000	
10	14.90	33.302	6.19	0.39	1.	0.01	0.0	324.5	10	14.90	33.302	6.19	24.707	324.5	0.033	
20	14.90	33.304	6.18	0.41	1.	0.00	0.0	324.4	20	14.90	33.304	6.18	24.708	324.5	0.065	
30	14.90	33.304	6.18	0.41	1.	0.00	0.0	324.4	30	14.90	33.304	6.18	24.709	324.4	0.098	
55	10.71	33.091	6.12	0.76	5.	0.05	5.2	262.1	50	11.52	33.071	6.13	25.203	277.3	0.158	
70	10.79	33.619	4.25	1.44	18.0	0.02	15.5	224.4	75	10.63	33.691	3.97	25.835	217.2	0.220	
85	10.26	33.728	3.67	1.65	18.	0.01	19.2	207.6	100	10.00	33.794	3.36	26.032	198.5	0.272	
101	9.99	33.798	3.34	1.80	23.	0.01	19.2	198.1	125	9.63	33.919	2.88	26.191	183.4	0.321	
131	9.56	33.948	2.78	2.05	30.	0.01	22.4	180.2	150	9.42	34.018	2.52	26.303	172.6	0.366	
156	9.39	34.036	2.45	2.19	33.	0.01	26.8	171.0	200	9.17	34.122	2.07	26.425	161.2	0.451	
181	9.26	34.088	2.24	2.30	36.	0.00	27.1	165.5	250	8.94	34.187	1.75	26.512	152.9	0.532	
215	9.08	34.146	1.95	2.38	39.	0.00	27.1	158.1	300	8.73	34.222	1.52	26.573	147.2	0.610	
281	8.82	34.211	1.61	2.62	44.	0.00	30.0	149.3	400	8.00	34.232	1.19	26.692	135.8	0.757	
390	8.20	34.238	1.23	2.76	51.	0.00	29.6	138.3	500	6.88	34.214	0.94	26.838	122.1	0.894	
479	7.12	34.210	1.03	2.93	63.	0.00	31.7	125.5	600	5.85	34.256	0.52	27.005	106.2	1.015	
612	5.74	34.263	0.47	3.24	86.	0.00	43.0	104.3	700	5.11	34.305	0.31	27.133	94.0	1.123	
764	4.78	34.337	0.27	3.38	104.	0.01	41.9	88.0	800	4.65	34.360	0.29	27.230	84.9	1.221	
912	4.32	34.423	0.34	3.39	115.	0.00	43.0	66.9	1000	4.05	34.445	0.43	27.362	72.4	1.396	
1121	3.68	34.476	0.56	3.35	133.	0.00	43.0									

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80060

LATITUDE 34 9.0 N			LONGITUDE 121 9.0 W			MO/DAY/YR 11/15/72		MESSENGER TIME 1033 GMT		BOTTOM 2259 M	WIND 250	SPEED 09 KT	WEATHER 1	DOMINANT WAVES		
Z	T	S	O2	P04	S103	N02	N03	DT		Z	T	S	O2	SIGT	DT	DD
										0	15.62	33.34		24.579	336.8	0.000
										10	15.62	33.35		24.586	336.1	0.034
										20	15.55	33.35		24.602	334.6	0.067
										30	15.15	33.34		24.682	326.9	0.100
										50	12.35	33.28		25.209	276.7	0.161
										75	10.60	33.28		25.529	246.3	0.227
										100	9.86	33.62		25.920	209.2	0.284
										125	9.30	33.77		26.129	189.3	0.334
										150	8.84	33.83		26.249	177.9	0.381
										200	8.08	33.97		26.475	156.5	0.466
										250	7.72	34.05		26.591	145.5	0.544
										300	7.22	34.08		26.686	136.5	0.616
										400	6.67	34.14		26.808	124.8	0.752
										500	6.07	34.24		26.965	109.9	0.876
										600	5.40	34.26		27.064	100.6	0.988
										700	4.76	34.32		27.186	89.0	1.070
										800	4.35	34.37		27.270	81.1	1.183
										1000	3.84	34.45		27.387	70.0	1.350

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80060

LATITUDE 34 9.0 N			LONGITUDE 121 9.0 W			MO/DAY/YR 11/15/72		MESSENGER TIME 1130 GMT		BOTTOM 2259 M	WIND 250	SPEED 9 KT	WEATHER 1	DOMINANT WAVES		
Z	T	S	O2	P04	S103	N02	N03	DT		Z	T	S	O2	SIGT	DT	DD
0	15.73	33.337	5.86	0.34	1.	0.01	0.0	339.4		0	15.73	33.337	5.86	24.552	339.4	0.000
10	15.68	33.334	5.83	0.34	1.	0.00	0.0	338.5		10	15.68	33.334	5.83	24.561	338.5	0.034
30	15.50	33.366	5.84	0.34	1.	0.00	0.0	332.4		20	15.59	33.350	5.83	24.593	335.4	0.068
55	12.58	33.372	5.33	0.78	7.	0.13	5.9	274.2		30	15.50	33.366	5.84	24.625	332.4	0.101
70	11.76	33.434	5.01	0.98	10.	0.05	8.4	254.8		50	13.21	33.361	5.46	25.104	286.7	0.163
85	10.44	33.374	5.08	1.20	12.	0.03	12.1	236.7		75	11.29	33.406	5.03	25.503	248.8	0.231
100	10.08	33.559	4.34	1.44	16.	0.02	14.3	217.2		100	10.08	33.559	4.34	25.936	217.2	0.289
131	9.30	33.792	3.57	1.73	25.	0.01	19.7	167.7		125	9.44	33.763	3.65	26.101	192.0	0.341
156	9.00	33.833	3.44	2.27	28.	0.05	23.0	140.1		150	9.06	33.827	3.45	26.212	181.5	0.388
181	8.62	33.925	3.30	1.95	31.	0.02	24.5	167.6		200	8.31	33.961	3.22	26.434	160.4	0.475
217	8.04	33.982	3.12	2.02	37.	0.02	25.4	155.0		250	7.64	34.027	2.57	26.584	146.1	0.554
281	7.36	34.066	1.98	2.50	51.	0.01	31.4	139.4		300	7.26	34.094	1.74	26.691	136.0	0.627
381	6.94	34.195	1.02	2.95	63.	0.01	31.1	124.2		400	6.82	34.208	0.92	26.841	121.7	0.761
480	6.26	34.245	0.65	3.20	75.	0.01	33.9	111.9		500	6.11	34.253	0.59	26.970	109.5	0.883
613	5.34	34.298	0.38	3.33	91.	0.00	40.0	97.1		600	5.42	34.293	0.40	27.087	98.4	0.994
766	4.62	34.366	0.37	3.39	106.	0.00	40.3	84.1		700	4.90	34.336	0.37	27.183	89.3	1.095
917	4.12	34.441	0.51	3.39	117.	0.01	40.3	73.4		800	4.50	34.384	0.39	27.266	81.5	1.188
1127	3.55	34.491	0.84	3.34	130.	0.00	42.6	64.1		1000	3.89	34.460	0.64	27.390	69.7	1.356

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80070

LATITUDE 33 48.5 N			LONGITUDE 121 51.5 W			MO/DAY/YR 11/15/72		MESSENGER TIME 1700 GMT		BOTTOM 3603 M	WIND 230	SPEED 11 KT	WEATHER 1	DOMINANT WAVES 270 05 05		
Z	T	S	O2	P04	S103	N02	N03	DT		Z	T	S	O2	SIGT	DT	DD
0	16.95	33.29								0	16.95	33.29		24.237	369.4	0.000
10	16.95	33.29								10	16.95	33.29		24.237	369.4	0.037
20	16.95	33.29								20	16.95	33.29		24.237	369.4	0.074
30	16.95	33.29								30	16.95	33.29		24.237	369.4	0.111
50	16.95	33.29								50	16.95	33.29		24.237	369.4	0.185
75	13.20	33.19								75	13.20	33.19		24.974	299.1	0.269
100	11.70	33.23								100	11.70	33.23		25.293	268.8	0.341
125	10.36	33.34								125	10.36	33.34		25.618	237.9	0.405
150	9.65	33.57								150	9.65	33.57		25.916	209.5	0.461
200	8.66	33.88								200	8.66	33.88		26.316	171.5	0.558
250	7.85	33.99								250	7.85	33.99		26.525	151.7	0.641
300	7.23	34.01								300	7.23	34.01		26.629	141.8	0.716
400	6.20	34.09								400	6.20	34.09		26.831	122.7	0.854
500	5.57	34.17								500	5.57	34.17		26.973	109.3	0.975
600	5.21	34.28								600	5.21	34.28		27.102	97.0	1.085
700	4.87	34.33								700	4.87	34.33		27.181	89.5	1.186
800	4.48	34.38								800	4.48	34.38		27.264	81.6	1.279
1000	3.97	34.45								1000	3.97	34.45		27.374	71.2	1.449

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80070

LATITUDE 33 48.5 N			LONGITUDE 121 51.5 W			MO/DAY/YR 11/15/72		MESSENGER TIME 1850 GMT		BOTTOM 3603 M	WIND 230	SPEED 11 KT	WEATHER 1	DOMINANT WAVES 270 5 5		
Z	T	S	O2	P04	S103	N02	N03	DT		Z	T	S	O2	SIGT	DT	DD
332	6.90	34.040						125.3		400	6.54	34.087		26.784	127.2	
728	4.81	34.339						88.2		500	6.01	34.160		26.909	115.3	
1118	3.68	34.491						65.3		600	5.49	34.236		27.035	103.4	
1509	2.68	34.569						50.6		700	4.96	34.316		27.160	91.5	
1904	2.10	34.610						42.9		800	4.56	34.376		27.252	82.8	
2299	1.86	34.638						39.0		1000	3.97	34.458		27.381	70.6	
2694	1.70	34.652						36.8		1200	3.45	34.512		27.475	61.6	
3091	1.58	34.664						35.0		1500	2.70	34.568		27.589	50.8	
3397	1.54	34.669						34.3		2000	2.02	34.619		27.686	41.7	
										2250	1.88	34.636		27.711	39.3	
										2500	1.77	34.647		27.728	37.7	
										2750	1.68	34.654		27.741	36.5	
										3000	1.60	34.662		27.753	35.3	
										3250	1.56	34.667		27.760	34.7	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80080
(BUOY 58)

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 29.0 N			122 32.0 W			11/16/72			1220 GMT			3983 M	200	13 KT	8			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
									0	16.75	33.30		24.291	364.2	0.000			
									10	16.76	33.30		24.288	364.4	0.036			
									20	16.77	33.30		24.286	364.6	0.073			
									30	16.78	33.30		24.284	364.9	0.109			
									50	16.76	33.30		24.286	364.4	0.183			
									75	15.70	33.21		24.461	348.0	0.272			
									100	11.95	33.04		25.100	287.2	0.352			
									125	10.57	33.22		25.488	250.2	0.420			
									150	10.12	33.36		25.674	232.5	0.481			
									200	8.86	33.84		26.254	177.5	0.585			
									250	8.06	33.97		26.478	156.2	0.671			
									300	7.27	34.00		26.616	143.1	0.748			
									400	6.14	34.08		26.831	122.7	0.886			
									500	5.43	34.14		26.966	109.9	1.008			
									600	4.95	34.23		27.093	97.8	1.118			
									700	4.51	34.30		27.198	87.9	1.217			
									800	4.24	34.37		27.282	79.9	1.309			
									1000	3.71	34.47		27.416	67.2	1.472			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80080
(BUOY 58)

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 29.0 N			122 32.0 W			11/16/72		1413 GMT		3983 M	200	13 KT	8			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
675	4.66	34.29						90.2	700	4.59	34.30		27.191	88.6		
1065	3.58	34.49						64.5	800	4.31	34.35		27.261	82.0		
1459	2.78	34.56						52.1	1000	3.76	34.46		27.400	68.8		
1857	2.19	34.60						44.3	1200	3.28	34.52		27.501	59.2		
2253	1.90	34.64						39.1	1500	2.71	34.56		27.586	51.1		
2651	1.73	34.66						36.4	2000	2.06	34.62		27.681	42.1		
3050	1.62	34.67						34.8	2250	1.90	34.64		27.713	39.1		
3451	1.54	34.67						34.3	2500	1.78	34.65		27.733	37.2		
3855	1.50	34.68						33.2	2750	1.70	34.66		27.747	35.0		
3931	1.50	34.69						32.5	3000	1.63	34.67		27.757	35.0		
3946	1.50	34.68						33.2	3250	1.58	34.67		27.761	34.5		
3957	1.52	34.68						33.4	3500	1.53	34.67		27.765	34.1		
									3750	1.51	34.68		27.772	33.5		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80090

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 10.0 N			123 13.5 W			11/16/72			0614 GMT			4212 M	270	11 KT	1			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
									0	17.06	33.29		24.211	371.8	0.000			
									10	17.09	33.30		24.211	371.8	0.037			
									20	17.09	33.30		24.211	371.8	0.074			
									30	17.09	33.30		24.211	371.8	0.112			
									50	14.80	33.04		24.527	341.7	0.183			
									75	12.85	33.26		25.097	287.4	0.262			
									100	11.45	33.28		25.178	260.7	0.331			
									125	10.09	33.37		25.687	231.3	0.393			
									150	9.42	33.65		26.016	200.0	0.448			
									200	8.50	33.96		26.404	163.7	0.540			
									250	7.84	33.99		26.526	151.6	0.621			
									300	7.17	34.02		26.646	140.3	0.696			
									400	6.21	34.07		26.814	124.3	0.834			
									500	5.43	34.15		26.974	109.2	0.956			
									600	4.91	34.23		27.098	97.4	1.066			
									700	4.53	34.31		27.204	87.4	1.165			
									800	4.16	34.38		27.297	78.6	1.255			
									1000	3.68	34.46		27.412	67.7	1.417			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

80090

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 10.0 N			123 13.5 W			11/16/72			0708 GMT			4212 M	270	11 KT	1			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
									0	17.22	33.296	5.67	24.178	375.0	0.000			
									9	17.16	33.298	5.66	24.193	373.5	0.037			
									29	17.16	33.295	5.65	24.192	373.6	0.075			
									54	16.30	33.263	5.95	24.198	373.1	0.112			
									69	14.22	33.255	6.06	24.338	359.7	0.186			
									84	12.83	33.269	5.99	24.947	301.7	0.269			
									99	12.22	33.279	5.90	25.245	273.3	0.341			
									130	10.34	33.356	5.10	25.562	243.2	0.406			
									154	9.52	33.605	4.37	25.913	209.9	0.464			
									176	9.06	33.788	3.72	26.132	170.0	0.560			
									212	8.52	33.956	3.16	26.526	151.7	0.643			
									276	7.68	34.029	2.41	26.638	141.0	0.718			
									373	6.65	34.109	1.34	26.833	122.5	0.855			
									468	5.65	34.136	0.90	26.983	108.3	0.976			
									602	4.92	34.253	0.42	27.112	96.0	1.085			
									758	4.34	34.355	0.39	27.212	86.6	1.183			
									908	3.88	34.428	0.58	27.293	78.9	1.273			
									1117	3.46	34.498	0.91	27.409	67.9	1.436			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

83075
(BUOY 59)

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 7.0 N			121 43.0 W			11/16/72		2300 GMT		3992 M	280	16 KT	1	300 6 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1083	3.67	34.5440								1200	3.40	34.510		27.479	61.3	
1376	3.02	34.544						55.4		1500	2.77	34.563		27.579	51.8	
1671	2.47	34.586						47.6		2000	2.10	34.627		27.687	41.6	
1956	2.14	34.624						42.1		2250	1.91	34.638		27.710	39.4	
2264	1.90	34.638						39.3		2500	1.80	34.652		27.730	37.5	
2561	1.78	34.654						37.2		2750	1.71	34.655		27.739	36.7	
2859	1.68	34.655						36.4		3000	1.64	34.662		27.750	35.6	
3157	1.60	34.669						34.8		3250	1.58	34.671		27.762	34.5	
3457	1.56	34.674						34.1		3500	1.56	34.675		27.766	34.1	
3756	1.53	34.679						33.5		3750	1.51	34.679		27.772	33.5	
3855	1.52	34.683						33.1								
3905	1.50	34.686						32.8								
3929	1.52	34.686						32.9								
3943	1.50	34.688						32.6								
3954	1.52	34.688						32.5								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

83075
(BUOY 59)

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 7.0 N			121 43.0 W			11/17/72		0040 GMT		3992 M	280	16 KT	1	300 06 04		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	16.96	33.37		24.295	363.8	0.000	
									10	16.97	33.37		24.293	364.0	0.036	
									20	16.97	33.37		24.293	364.0	0.073	
									30	16.97	33.37		24.293	364.0	0.109	
									50	16.96	33.37		24.295	363.6	0.182	
									75	14.35	33.27		24.800	315.7	0.268	
									100	12.05	33.25		25.243	273.5	0.342	
									125	10.82	33.28		25.491	249.9	0.408	
									150	10.10	33.55		25.825	218.2	0.467	
									200	8.93	33.88		26.274	175.5	0.567	
									250	9.18	33.98		26.468	157.2	0.653	
									300	7.53	34.04		26.610	143.6	0.730	
									400	6.39	34.06		26.782	127.3	0.871	
									500	5.52	34.13		26.947	111.7	0.996	
									600	4.98	34.22		27.082	98.9	1.108	
									700	4.63	34.30		27.184	89.2	1.209	
									800	4.27	34.37		27.279	80.2	1.301	
									1000	3.77	34.45		27.395	69.3	1.466	
									1200	3.32	34.51		27.486	60.6	1.614	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90032

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 20.5 N			118 3.0 W			09/26/72		0429 GMT		741 M	340	02 KT		300 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	21.61	33.76		23.407	448.6	0.000	
									10	21.57	33.78		23.433	446.1	0.045	
									20	20.12	33.78		23.822	408.9	0.088	
									30	15.39	33.48		24.737	321.7	0.124	
									50	12.01	33.57		25.498	249.2	0.181	
									75	10.58	33.68		25.844	216.4	0.240	
									100	9.90	33.82		26.069	195.0	0.292	
									125	9.44	33.88		26.192	183.3	0.340	
									150	9.12	33.97		26.314	171.7	0.385	
									200	8.90	34.15		26.490	155.1	0.468	
									250	8.35	34.15		26.575	147.0	0.546	
									300	8.11	34.22		26.666	138.3	0.620	
									400	7.43	34.26		26.797	125.9	0.757	
									500	6.77	34.30		26.921	114.2	0.885	
									600	6.14	34.33		27.027	104.1	1.001	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90037

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 11.0 N			118 27.5 W			09/26/72		0740 GMT		1165 M	140	02 KT	0	300 01 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.70	33.52		23.734	417.3	0.000	
									10	19.51	33.49		23.760	414.8	0.042	
									20	19.17	33.48		23.839	407.3	0.083	
									30	16.63	33.37		24.372	356.4	0.121	
									50	12.67	33.32		25.179	279.7	0.185	
									75	11.53	33.39		25.449	254.0	0.252	
									100	10.90	33.51		25.655	234.3	0.313	
									125	10.35	33.66		25.868	214.1	0.370	
									150	9.86	33.79		26.052	196.6	0.422	
									200	9.16	34.08		26.393	164.2	0.514	
									250	8.26	34.14		26.581	146.4	0.594	
									300	8.00	34.21		26.675	137.5	0.667	
									400	6.95	34.23		26.841	121.7	0.802	
									500	6.50	34.30		26.957	110.8	0.925	
									600	6.15	34.32		27.018	104.9	1.041	
									700	5.63	34.35		27.107	96.5	1.150	
									800	4.95	34.41		27.236	84.3	1.249	
									1000	4.22	34.47		27.364	72.2	1.424	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90037

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 11.0 N		118 27.5 W		09/26/72		0857 GMT			1165 M	140	02 KT	0	300 01 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.61	33.585	5.62	0.21	3.	0.02	0.1	410.4	0	19.61	33.585	5.62	23.807	410.4	0.000
10	19.44	33.577	5.70	0.20	2.	0.00	0.0	406.6	10	19.44	33.577	5.70	23.844	406.6	0.041
20	16.32	33.460	5.98	0.27	3.	0.02	0.0	343.1	20	18.01	33.514	5.87	24.155	377.2	0.080
30	12.09	33.366	5.45	0.71	7.	0.14	5.4	265.7	30	16.14	33.452	5.97	24.547	339.8	0.116
40	11.41	33.464	4.97	0.91	10.	0.02	9.1	246.5	40	13.11	33.369	5.69	25.129	284.4	0.179
50	11.04	33.525	4.63	1.09	13.	0.02	12.5	235.6	50	11.46	33.448	5.05	25.506	248.5	0.246
60	10.71	33.595	4.29	1.21	16.	0.02	14.2	224.9	60	10.87	33.559	4.46	25.697	230.3	0.306
70	10.00	33.784	3.62	1.57	21.	0.01	17.9	199.3	70	10.26	33.711	3.85	25.923	208.9	0.361
80	9.56	33.916	3.29	1.76	27.	0.00	21.0	187.5	80	9.72	33.863	3.43	26.132	189.0	0.412
90	9.33	34.078	2.49	2.05	34.	0.00	25.5	167.0	90	9.13	34.105	2.31	26.418	161.2	0.501
100	8.69	34.135	2.04	2.36	40.	0.00	28.5	153.1	100	8.34	34.182	1.66	26.601	144.5	0.580
110	8.00	34.234	1.20	2.66	53.	0.01	33.6	135.7	110	7.92	34.242	1.12	26.713	133.9	0.652
120	7.31	34.277	0.68	2.77	63.	0.01	34.8	123.0	120	7.26	34.279	0.66	26.836	122.2	0.786
130	6.66	34.308	0.43	3.09	74.	0.00	35.1	112.2	130	6.64	34.309	0.42	26.945	111.9	0.910
140	5.92	34.350	0.27	3.19	87.	0.00	38.3	99.9	140	6.07	34.341	0.29	27.044	102.5	1.025
150	5.08	34.409	0.24	3.31	105.	0.00	41.4	85.9	150	5.51	34.378	0.26	27.144	93.0	1.131
160	4.35	34.462	0.34	3.39	123.	0.00	42.1	73.9	160	4.96	34.417	0.25	27.239	84.0	1.228
170	4.15	34.480	0.53	3.39	132.	0.02	42.2	70.5	170	4.27	34.467	0.34	27.356	73.0	1.404

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90045

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
32 54.5 N			118 55.5 W			09/26/72		1550 GMT			1756 M	000	00 KT	0	140 02 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
	0	18.82	33.57						0	18.82	33.57		23.996	392.3	0.000	
	10	18.78	33.59						10	18.78	33.59		24.021	389.9	0.039	
	20	16.73	33.38						20	16.73	33.38		24.357	357.9	0.077	
	30	14.73	33.40						30	14.73	33.40		24.819	313.9	0.110	
	40	12.44	33.49						40	12.44	33.49		25.355	262.9	0.168	
	50	10.64	33.59						50	10.64	33.59		25.763	224.1	0.229	
	60	9.96	33.75						60	9.96	33.75		26.005	201.1	0.283	
	70	9.29	33.87						70	9.29	33.87		26.209	181.7	0.331	
	80	8.78	33.97						80	8.78	33.97		26.368	166.6	0.376	
	90	8.16	34.03						90	8.16	34.03		26.510	153.1	0.457	
	100	7.70	34.07						100	7.70	34.07		26.610	143.7	0.533	
	110	7.72	34.18						110	7.72	34.18		26.693	135.8	0.605	
	120	6.85	34.19						120	6.85	34.19		26.823	123.4	0.741	
	130	6.52	34.27						130	6.52	34.27		26.931	113.2	0.865	
	140	6.12	34.33						140	6.12	34.33		27.030	103.8	0.982	
	150	5.70	34.36						150	5.70	34.36		27.107	96.6	1.090	
	160	5.05	34.40						160	5.05	34.40		27.216	86.2	1.191	
	170	4.08	34.49						170	4.08	34.49		27.395	69.3	1.365	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90053

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 40.0 N			119 29.0 W			09/26/72		2100 GMT			1664 M	320	10 KT	1	320 04 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
	0								0	18.27	33.53		24.103	382.2	0.000		
	10								10	18.04	33.52		24.151	377.5	0.038		
	20								20	17.32	33.48		24.294	363.9	0.075		
	30								30	15.85	33.23		24.443	349.7	0.111		
	40								40	13.18	33.23		25.009	295.8	0.176		
	50								50	11.84	33.24		25.275	270.5	0.247		
	60								60	10.33	33.38		25.654	234.5	0.310		
	70								70	9.96	33.66		25.935	207.8	0.366		
	80								80	9.53	33.87		26.170	185.5	0.416		
	90								90	9.04	34.10		26.428	160.9	0.504		
	100								100	8.85	34.21		26.545	149.9	0.584		
	110								110	8.36	34.27		26.668	138.2	0.659		
	120								120	7.29	34.24		26.801	125.5	0.797		
	130								130	6.59	34.29		26.937	112.6	0.922		
	140								140	5.71	34.28		27.042	102.7	1.038		
	150								150	5.27	34.33		27.135	93.9	1.144		
	160								160	4.98	34.40		27.224	85.4	1.242		
	170								170	4.04	34.48		27.391	69.6	1.415		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 25.0 N			119 56.5 W			09/27/72		0044 GMT		929 M	310	07 KT	1	330 03 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	18.32	33.46							0	18.32	33.46		24.037	388.4	0.000	
10	18.30	33.48							10	18.30	33.48		24.057	386.5	0.039	
20	18.28	33.49							20	18.28	33.49		24.070	385.3	0.077	
30	16.04	33.20							30	16.04	33.20		24.377	356.0	0.115	
40	11.97	33.07							40	11.97	33.07		25.119	285.3	0.179	
50	10.88	33.27							50	10.88	33.27		25.475	251.7	0.246	
60	9.88	33.38							60	9.88	33.38		25.730	227.2	0.307	
70	9.53	33.69							70	9.53	33.69		26.029	198.8	0.360	
80	9.18	33.92							80	9.18	33.92		26.265	176.4	0.408	
90	8.42	34.03							90	8.42	34.03		26.471	156.9	0.493	
100	7.63	34.06							100	7.63	34.06		26.612	143.5	0.570	
110	7.53	34.13							110	7.53	34.13		26.681	136.9	0.642	
120	6.88	34.27							120	6.88	34.27		26.882	117.9	0.775	
130	6.11	34.26							130	6.11	34.26		26.976	108.9	0.895	
140	5.77	34.34							140	5.77	34.34		27.082	98.9	1.006	
150	5.18	34.35							150	5.18	34.35		27.161	91.4	1.109	
160	4.85	34.41							160	4.85	34.41		27.247	83.3	1.205	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 4.5 N		120 38.5 W		09/27/72		0600 GMT		3737 M		340		06 KT		2		330 03 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	18.39	33.46		24.019	390.1	0.000		
									10	18.35	33.46		24.029	389.1	0.039		
									20	18.23	33.48		24.074	384.8	0.078		
									30	18.10	33.46		24.091	383.3	0.116		
									50	12.27	33.29		25.233	274.5	0.182		
									75	10.76	33.40		25.595	240.1	0.247		
									100	9.99	33.64		25.914	209.7	0.304		
									125	9.23	33.77		26.140	188.2	0.354		
									150	8.88	33.93		26.321	171.1	0.399		
									200	8.18	33.99		26.476	156.4	0.483		
									250	7.47	34.02		26.603	144.3	0.560		
									300	6.95	34.08		26.723	132.9	0.631		
									400	5.94	34.15		26.911	115.1	0.760		
									500	5.61	34.30		27.070	100.0	0.874		
									600	5.16	34.38		27.187	88.9	0.975		
									700	4.72	34.40		27.254	82.6	1.068		
									800	4.47	34.45		27.321	76.2	1.155		
									1000	4.00	34.48		27.395	69.2	1.317		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 44.5 N		121 19.5 W		09/27/72		1137 GMT		3737 M		310		04 KT		5		330 02 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	18.11	33.26		23.936	398.0	0.000		
									10	17.86	33.24		23.982	393.7	0.040		
									20	17.80	33.25		24.004	391.6	0.079		
									30	17.74	33.25		24.018	390.2	0.118		
									50	15.13	33.17		24.556	338.9	0.191		
									75	13.39	33.22		24.959	300.6	0.272		
									100	10.93	33.13		25.355	262.9	0.343		
									125	10.24	33.33		25.630	236.7	0.406		
									150	9.89	33.62		25.915	209.6	0.462		
									200	8.62	33.91		26.346	168.7	0.558		
									250	8.14	34.04		26.521	152.1	0.640		
									300	7.54	34.09		26.648	140.0	0.716		
									400	6.29	34.11		26.835	122.3	0.852		
									500	5.47	34.19		27.001	106.6	0.972		
									600	5.08	34.29		27.126	94.8	1.050		
									700	4.74	34.34		27.204	87.3	1.178		
									800	4.56	34.44		27.301	78.2	1.263		
									1000	3.88	34.48		27.467	68.1	1.432		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 24.0 N		122 1.0 W		09/27/72		1709 GMT		3926 M		000		00 KT		1		220 02 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	19.66	33.43		23.676	422.8	0.000		
									10	19.58	33.45		23.712	419.4	0.042		
									20	19.53	33.46		23.732	417.5	0.084		
									30	19.50	33.47		23.748	416.0	0.126		
									50	17.31	33.20		24.083	384.0	0.206		
									75	14.11	33.22		24.812	314.6	0.294		
									100	13.21	33.31		25.064	290.5	0.370		
									125	10.71	33.39		25.597	239.3	0.437		
									150	9.77	33.63		25.943	207.0	0.494		
									200	8.80	33.88		26.295	173.6	0.590		
									250	7.90	33.99		26.517	152.4	0.674		
									300	7.15	34.02		26.648	140.0	0.749		
									400	6.17	34.11		26.850	120.9	0.885		
									500	5.56	34.21		27.005	106.2	1.004		
									600	5.08	34.29		27.126	94.8	1.111		
									700	4.74	34.36		27.236	84.3	1.208		
									800	4.43	34.42		27.302	76.1	1.296		
									1000	3.93	34.50		27.418	67.1	1.459		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 5.0 N		122 39.0 W		09/27/72		2219 GMT		4116 M		350		02 KT		1		330 01 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	19.92	33.30		23.510	435.7	0.000		
									10	18.99	33.27		23.725	418.2	0.043		
									20	18.93	33.31		23.771	413.8	0.085		
									30	18.95	33.36		23.804	410.7	0.126		
									50	15.42	33.17		24.493	345.0	0.202		
									75	12.92	33.29		25.106	286.5	0.281		
									100	11.10	33.33		25.480	251.0	0.349		
									125	10.11	33.54		25.816	219.1	0.408		
									150	9.54	33.72		26.051	196.7	0.461		
									200	8.41	33.98		26.433	160.5	0.552		
									250	7.79	34.04		26.573	147.2	0.630		
									300	7.16	34.06		26.678	137.2	0.704		
									400	6.07	34.12		26.871	118.9	0.837		
									500	5.40	34.21		27.025	104.3	0.954		
									600	4.98	34.28		27.129	94.4	1.060		
									700	4.64	34.36		27.231	84.8	1.156		
									800	4.25	34.42		27.321	76.2	1.244		
									1000	3.78	34.50		27.433	65.6	1.402		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 25.0 N			124 0.0 W			09/28/72		0713 GMT		4116 M	000	00 KT		330 01 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.69	33.44		23.676	422.9	0.000	
									10	19.48	33.43		23.722	418.4	0.042	
									20	19.28	33.46		23.796	411.4	0.084	
									30	19.17	33.48		23.839	407.3	0.125	
									50	14.98	33.12		24.550	339.5	0.200	
									75	13.08	33.17		24.982	298.3	0.280	
									100	11.67	33.22		25.300	268.1	0.351	
									125	10.59	33.29		25.539	245.4	0.416	
									150	10.17	33.50		25.775	223.0	0.475	
									200	8.92	33.87		26.268	176.1	0.577	
									250	8.17	33.96		26.454	158.5	0.662	
									300	7.31	34.00		26.610	143.6	0.740	
									400	5.94	34.04		26.824	123.3	0.878	
									500	5.39	34.19		27.010	105.7	0.999	
									600	5.09	34.30		27.132	94.1	1.105	
									700	4.75	34.39		27.242	83.7	1.201	
									800	4.44	34.44		27.316	76.7	1.269	
									1000	3.74	34.49		27.429	66.0	1.448	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 25.0 N			124 0.0 W			09/28/72		0826 GMT		4116 M	000	00 KT		330 01 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	19.73	33.478	5.43	0.23	3.	0.00	0.0	421.1	0	19.73	33.478	5.43	23.694	421.1	0.000	
10	19.63	33.497	5.47	0.21	3.	0.01	0.0	417.2	10	19.63	33.497	5.47	23.735	417.2	0.042	
30	19.21	33.552	5.52	0.23	2.	0.01	0.0	403.0	20	19.42	33.500	5.49	23.791	411.9	0.083	
55	15.24	33.193	6.18	0.29	3.	0.00	0.0	339.6	30	19.21	33.552	5.52	23.884	403.0	0.124	
70	14.00	33.164	6.24	0.28	2.	0.01	0.0	316.5	50	16.14	33.265	6.05	24.405	353.3	0.200	
85	13.16	33.195	6.18	0.28	2.	0.01	0.0	298.0	75	13.70	33.170	6.22	24.857	310.3	0.284	
100	12.26	33.257	5.91	0.43	4.	0.04	0.7	276.8	100	12.26	33.257	5.91	25.209	276.8	0.357	
129	10.67	33.317	5.34	0.75	9.	0.01	8.3	243.9	125	10.81	33.306	5.42	25.512	247.9	0.424	
155	10.01	33.520	4.72	0.99	15.	0.00	13.2	218.9	150	10.09	33.478	4.84	25.770	223.4	0.483	
179	9.60	33.685	4.31	1.13	19.	0.01	17.2	200.2	200	9.19	33.818	3.87	26.183	184.2	0.587	
213	8.94	33.886	3.61	1.51	28.	0.00	22.4	175.2	250	8.29	33.977	3.23	26.449	158.9	0.675	
277	7.84	34.000	3.04	1.81	38.	0.00	28.1	150.9	300	7.43	34.014	2.77	26.604	144.3	0.753	
375	6.30	34.047	1.84	2.30	65.	0.00	32.8	127.1	400	6.08	34.077	1.53	26.836	122.2	0.891	
472	5.64	34.172	0.77	2.89	82.	0.00	36.2	109.9	500	5.50	34.206	0.81	27.009	105.8	1.011	
604	5.09	34.316	0.34	3.04	99.	0.00	40.0	92.9	600	5.10	34.312	0.34	27.141	93.3	1.117	
753	4.56	34.417	0.36	3.10	113.	0.00	42.5	79.9	700	4.76	34.388	0.35	27.240	83.9	1.213	
898	4.05	34.465	0.55	3.10	123.	0.00	43.5	70.9	800	4.41	34.436	0.41	27.317	76.6	1.301	
1105	3.45	34.513	0.78	2.94	138.	0.00	44.8	61.5	1000	3.73	34.492	0.67	27.432	65.7	1.460	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90140

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 45.0 N			125 20.0 W			09/28/72		1624 GMT		4688 M	090	04 KT	1	330 04 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	20.16	33.47		23.576	432.4	0.000	
									10	19.95	33.48		23.639	426.4	0.043	
									20	19.99	33.62		23.735	417.2	0.085	
									30	20.35	33.94		23.883	403.1	0.126	
									50	19.95	33.83		23.905	401.0	0.207	
									75	16.86	33.64		24.525	341.9	0.300	
									100	15.36	33.85		25.027	294.1	0.380	
									125	15.49	34.21		25.275	270.5	0.452	
									150	14.06	34.03		25.446	254.3	0.518	
									200	10.30	33.69		25.900	211.1	0.637	
									250	9.02	33.95		26.315	171.7	0.735	
									300	8.09	33.98		26.481	155.9	0.819	
									400	6.40	34.03		26.758	129.7	0.967	
									500	5.45	34.14		26.963	110.1	1.093	
									600	5.02	34.25		27.101	97.1	1.203	
									700	4.74	34.36		27.220	85.8	1.301	
									800	4.47	34.41		27.289	79.2	1.392	
									1000	3.81	34.49		27.422	66.6	1.554	

RV ALEXANDER AGASSI?

CALCOFI CRUISE 7210

94032

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 39.0 N			117 35.5 W			09/23/72		0159 GMT		1147 M	260	10 KT	2	330 04 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
10A	19.64	33.590	5.78	0.28	3.	0.06	0.1	410.7								
50	12.37	33.448	5.20	0.79	8.	0.05	5.5	264.7								
200	9.71	34.141	2.29	2.06	33.	0.03	26.9	168.2								
499	6.68	34.306	0.49	3.10	72.	0.01	38.3	112.6								
1094	3.65	34.528	0.67	3.38	137.	0.01	45.0	62.3								

A) SHAKEDOWN STATION.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

94032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 39.0 N		117 35.5 W		09/23/72		0227 GMT		1147 M		260		10 KT		2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD		
	0A	21.27	33.59										23.371	452.0	0.000		
	10	20.35	33.53										23.572	432.8	0.044		
	20	18.55	33.41										23.942	397.5	0.086		
	30	15.16	33.39										24.718	323.5	0.122		
	50	12.59	33.45										25.295	268.6	0.181		
	75	11.42	33.56										25.600	239.5	0.245		
	100	10.66	33.69										25.838	217.0	0.303		
	125	10.06	33.82										26.042	197.6	0.355		
	150	9.61	33.98										26.242	178.6	0.403		
	200	9.66	34.19										26.397	163.8	0.490		
	250	8.85	34.27										26.591	145.4	0.570		
	300	8.94	34.37										26.655	139.4	0.644		
	400	8.05	34.39										26.809	124.6	0.782		
	500	6.62	34.40										27.020	104.8	0.904		
	600	5.86	34.42										27.134	94.0	1.011		
	700	5.28	34.43										27.213	86.5	1.110		
	800	4.88	34.47										27.291	79.1	1.201		
	1000	4.01	34.55										27.449	64.1	1.362		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

94032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 40.0 N		117 35.0 W		09/25/72		2027 GMT		1202 M		090		01 KT		0		330 03 07	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD		
	0A	20.69	33.658					432.1	0	20.69	33.658		23.579	432.1	0.000		
	10	20.01	33.630					417.0	10	20.01	33.630		23.737	417.0	0.042		
	20	19.19	33.587					400.0	20	19.19	33.587		23.916	400.0	0.083		
	30	16.61	33.448					350.3	30	16.61	33.448		24.437	350.3	0.121		
	40	14.42	33.387					308.6	50	13.54	33.362		25.038	293.0	0.186		
	51	13.49	33.360					292.2	75	12.26	33.401		25.319	266.3	0.256		
	61	12.61	33.374					278.3	100	11.22	33.525		25.609	238.8	0.319		
	71	12.37	33.386					269.3	125	10.54	33.655		25.831	217.7	0.377		
	81	12.11	33.427					261.6	150	10.18	33.823		26.024	199.3	0.430		
	102	11.13	33.536					236.3									
	112	10.87	33.591					227.8									
	122	10.68	33.654					220.0									
	131	10.28	33.662					212.8									
	141	10.20	33.763					204.1									
	150	10.18	33.623					199.3									
	159	10.02	33.860					194.0									
	167	9.01	33.909					188.6									

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

94032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 40.0 N		117 35.0 W		09/25/72		2043 GMT		1202 M		090		01 KT		0		330 03 07	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD		
	0A	21.19	33.64										23.430	446.3	0.000		
	10	20.05	33.60										23.704	420.2	0.043		
	20	19.41	33.59										23.862	405.1	0.085		
	30	16.68	33.38										24.368	356.8	0.123		
	50	13.40	33.33										25.042	292.7	0.188		
	75	12.24	33.37										25.300	268.1	0.258		
	100	11.25	33.57										25.639	235.9	0.322		
	125	10.47	33.65										25.840	216.8	0.379		
	150	10.17	33.82										26.023	199.3	0.432		
	200	9.55	34.02										26.283	174.7	0.527		
	250	9.01	34.09										26.425	161.2	0.613		
	300	8.63	34.27										26.626	142.1	0.692		
	400	7.69	34.28										26.775	128.0	0.833		
	500	6.76	34.31										26.930	113.3	0.961		
	600	5.97	34.35										27.065	100.5	1.075		
	700	5.29	34.40										27.188	88.9	1.178		
	800	4.87	34.43										27.261	82.0	1.272		
	1000	3.98	34.50										27.413	67.6	1.440		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100U30

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 40.5 N		116 46.5 W		10/13/72		1816 GMT		427 M		330		12 KT		0		340 02 04	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD		
	0	18.73	33.54										23.996	392.3	0.000		
	10	18.62	33.54										24.023	389.7	0.039		
	20	17.80	33.51										24.202	372.7	0.077		
	30	15.50	33.52										24.743	321.1	0.112		
	50	13.99	33.48										25.037	293.2	0.174		
	75	12.95	33.55										25.301	268.0	0.244		
	100	12.75	33.75										25.495	249.6	0.309		
	125	12.64	33.77										25.532	246.0	0.372		
	150	11.60	33.94										25.862	214.7	0.431		
	200	10.73	34.30										26.299	173.2	0.530		
	250	9.92	34.32										26.455	158.3	0.615		
	300	9.11	34.37										26.628	141.9	0.693		

A) A SHAKEDOWN STATION.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100335

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 30.0 N		117 7.0 W		10/13/72		1518 GMT		1110 M		340		14 KT		1		330 01 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	19.25	33.60							0	19.25	33.60		23.910	400.5	0.000		
10	19.24	33.61							10	19.24	33.61		23.921	399.5	0.040		
20	18.21	33.54							20	18.21	33.54		24.125	380.0	0.079		
30	16.68	33.50							30	16.68	33.50		24.460	348.1	0.116		
50	13.88	33.53							50	13.88	33.53		25.098	287.3	0.179		
75	12.71	33.67							75	12.71	33.67		25.441	254.7	0.247		
100	11.89	33.70							100	11.89	33.70		25.622	237.5	0.309		
125	11.40	34.00							125	11.40	34.00		25.945	206.8	0.366		
150	11.19	34.09							150	11.19	34.09		26.053	196.5	0.417		
200	10.11	34.16							200	10.11	34.16		26.298	173.3	0.511		
250	9.64	34.31							250	9.64	34.31		26.494	154.6	0.596		
300	8.25	34.25							300	8.25	34.25		26.669	138.1	0.671		
400	7.71	34.36							400	7.71	34.36		26.835	122.3	0.804		
500	6.35	34.28							500	6.35	34.28		26.961	110.4	0.931		
600	5.75	34.36							600	5.75	34.36		27.100	97.2	1.042		
700	5.26	34.40							700	5.26	34.40		27.191	88.5	1.143		
800	4.90	34.45							800	4.90	34.45		27.273	80.8	1.236		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 21.0 N		117 27.0 W		10/13/72		1241 GMT		2042 M		330		12 KT					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
1	19.45	33.599	5.44	0.21	3.	0.00	0.2	405.4	0	19.45	33.599	5.44	23.858	405.4	0.000		
11	19.45	33.599	5.56	0.22	2.	0.00	0.1	405.4	10	19.45	33.599	5.55	23.858	405.4	0.041		
31	18.56	33.552	5.60	0.26	2.	0.00	0.1	387.4	20	19.05	33.577	5.58	23.943	397.3	0.081		
56	13.72	33.356	6.05	0.40	4.	0.02	0.2	297.0	30	18.60	33.554	5.60	24.038	388.3	0.120		
71	12.37	33.413	5.37	0.71	6.	0.04	2.2	267.2	50	14.92	33.374	6.01	24.757	319.8	0.191		
86	12.06	33.633	4.06	1.18	11.	0.01	10.7	245.5	75	12.23	33.465	5.05	25.375	261.0	0.264		
101	11.92	33.658	2.88	1.70	20.	0.00	16.7	226.4	100	11.93	33.844	2.95	25.727	227.5	0.326		
130	11.88	34.058	1.89	1.67	19.	0.00	16.9	211.0	125	11.89	34.038	1.98	25.883	212.7	0.381		
155	11.54	34.164	1.49	2.17	25.	0.00	20.0	197.1	150	11.62	34.146	1.54	26.017	199.9	0.434		
179	11.14	34.250	1.40	2.40	33.	0.00	23.1	183.9	200	10.82	34.317	1.27	26.296	173.4	0.529		
213	10.62	34.349	1.19	2.47	36.	0.00	26.0	167.7	250	9.91	34.354	1.22	26.483	155.7	0.614		
276	9.40	34.330	1.24	2.60	41.	0.00	28.7	149.4	300	9.00	34.313	1.22	26.600	144.6	0.692		
370	8.05	34.276	1.05	2.76	56.	0.00	31.4	133.3	400	7.76	34.290	0.88	26.773	128.2	0.834		
466	7.20	34.327	0.50	3.09	67.	0.00	35.5	117.8	500	6.81	34.317	0.47	26.929	113.4	0.962		
595	5.81	34.296	0.38	3.20	85.	0.00	38.3	102.6	600	5.78	34.299	0.38	27.048	102.1	1.078		
744	5.19	34.403	0.33	3.38	102.	0.00	40.4	87.5	700	5.33	34.367	0.34	27.158	91.7	1.193		
868	4.45	34.466	0.40	3.39	117.	0.00	42.0	74.8	800	4.90	34.431	0.35	27.258	82.2	1.278		
1092	3.72	34.517	0.65	3.32	132.	0.00	43.2	63.8	1000	4.06	34.500	0.52	27.411	67.8	1.448		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 40.5 N		118 47.5 W		10/12/72		2317 GMT		2985 M		000		00 KT		1		320 03 12	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	20.70	33.80							0	20.70	33.80		23.684	422.1	0.000		
10	20.38	33.79							10	20.38	33.79		23.761	414.7	0.042		
20	20.71	33.80							20	20.71	33.80		23.787	412.2	0.063		
30	20.23	33.79							30	20.23	33.79		23.601	410.9	0.125		
50	13.58	33.40							50	13.58	33.40		25.059	291.0	0.195		
75	11.56	33.35							75	11.56	33.35		25.431	255.6	0.264		
100	10.35	33.63							100	10.35	33.63		25.840	216.6	0.323		
125	9.78	33.78							125	9.78	33.78		26.058	196.1	0.375		
150	9.34	33.90							150	9.34	33.90		26.224	180.3	0.423		
200	8.67	34.05							200	8.67	34.05		26.448	159.0	0.510		
250	7.99	34.08							250	7.99	34.08		26.575	147.0	0.588		
300	7.52	34.14							300	7.52	34.14		26.690	136.0	0.661		
400	6.44	34.20							400	6.44	34.20		26.866	117.5	0.793		
500	5.61	34.22							500	5.61	34.22		27.007	106.0	0.911		
600	5.79	34.33							600	5.79	34.33		27.133	94.1	1.018		
700	5.01	34.41							700	5.01	34.41		27.229	85.0	1.115		
800	4.61	34.45							800	4.61	34.45		27.306	77.7	1.204		
1000	3.93	34.52							1000	3.93	34.52		27.434	65.5	1.365		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER	DOMINANT WAVES		
30 20.5 N			119 27.5 W			10/12/72		1818 GMT		3357 M				1	210 02 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
	0	20.04	33.66						0	20.04	33.66		23.752	415.6	0.000		
	10	19.71	33.64						10	19.71	33.64		23.823	408.9	0.041		
	20	19.67	33.66						20	19.67	33.66		23.848	406.4	0.082		
	30	18.46	33.32						30	18.46	33.32		23.896	401.9	0.123		
	50	13.82	33.27						50	13.82	33.27		24.910	305.2	0.193		
	75	11.54	33.25						75	11.54	33.25		25.338	264.5	0.265		
	100	10.60	33.40						100	10.60	33.40		25.623	237.4	0.328		
	125	9.88	33.61						125	9.88	33.61		25.909	210.2	0.385		
	150	9.79	33.89						150	9.79	33.89		26.142	188.1	0.435		
	200	8.84	34.06						200	8.84	34.06		26.429	160.8	0.524		
	250	7.96	34.06						250	7.96	34.06		26.564	148.1	0.603		
	300	7.43	34.13						300	7.43	34.13		26.695	135.6	0.677		
	400	6.73	34.25						400	6.73	34.25		26.887	117.4	0.809		
	500	5.65	34.27						500	5.65	34.27		27.042	102.7	0.925		
	600	5.30	34.38						600	5.30	34.38		27.171	90.5	1.028		
	700	4.91	34.45						700	4.91	34.45		27.256	82.4	1.122		
	800	4.44	34.46						800	4.44	34.46		27.332	75.2	1.209		
	1000	3.92	34.51						1000	3.92	34.51		27.427	66.2	1.367		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30	0.0 N	120	7.0 W	10/12/72		1225 GMT		3357 M		170		02 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	18.89	33.30		23.773	413.6	0.000		
									10	18.37	33.26		23.872	404.1	0.041		
									20	18.27	33.34		23.958	396.0	0.061		
									30	18.13	33.33		23.984	393.4	0.121		
									50	15.00	33.19		24.600	334.8	0.194		
									75	12.45	33.17		25.105	286.6	0.272		
									100	11.35	33.30		25.412	257.5	0.340		
									125	10.40	33.44		25.689	231.2	0.402		
									150	9.67	33.64		25.967	204.7	0.457		
									200	8.90	34.02		26.388	164.7	0.551		
									250	8.94	34.23		26.546	149.8	0.632		
									300	8.38	34.31		26.696	135.5	0.706		
									400	6.51	34.20		26.877	118.4	0.838		
									500	5.75	34.26		27.022	104.6	0.956		
									600	5.23	34.34		27.148	92.7	1.061		
									700	4.80	34.39		27.237	84.2	1.157		
									800	4.47	34.44		27.313	77.0	1.245		
									1000	3.97	34.51		27.422	66.7	1.406		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30	0.0 N	120	7.0 W	10/12/72		1341 GMT		3357 M		170		02 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
2	18.90	33.517U	5.57	0.32	1.	0.00	0.1	400.6	0	18.90	33.340	5.57	23.801	410.9	0.000		
12	18.47	33.341	5.61	0.31	0.	0.00	0.1	393.3	10	18.58	33.357	5.60	23.894	402.0	0.041		
31	18.23	33.364	5.76	0.32	0.	0.00	0.0	393.2	20	18.37	33.333	5.66	23.927	398.9	0.061		
56	14.98	33.206	6.26	0.33	2.	0.00	0.0	303.6	30	18.24	33.359	5.75	23.979	393.9	0.120		
71	13.63	33.247	6.22	0.35	2.	0.00	0.0	279.0	50	15.86	33.233	6.16	24.444	349.6	0.195		
85	12.10	33.188	5.98	0.48	3.	0.11	1.1	260.5	75	13.16	33.223	6.17	25.007	296.0	0.276		
100	11.48	33.290	5.60	0.73	7.	0.02	6.0	229.3	100	11.48	33.290	5.60	25.380	260.5	0.346		
129	10.30	33.443	4.85	1.12	12.	0.01	12.2	202.9	125	10.45	33.421	4.95	25.665	233.4	0.409		
154	9.67	33.664	4.31	1.38	18.	0.00	15.8	179.1	150	9.76	33.627	4.40	25.942	207.1	0.464		
178	9.04	33.855	3.73	1.65	27.	0.00	20.7	145.6	200	8.73	33.967	3.24	26.373	166.2	0.559		
212	8.64	34.013	2.97	1.99	34.	0.00	25.3	111.7	250	8.69	34.170	2.00	26.539	150.4	0.641		
275	8.73	34.244	1.45	2.52	44.	0.00	29.4	84.5	300	8.35	34.248	1.37	26.652	139.7	0.716		
373	6.95	34.190	1.15	2.80	63.	0.00	34.1	64.5	400	6.62	34.186	1.03	26.852	120.7	0.851		
470	5.96	34.199	0.70	3.06	78.	0.00	38.2	49.5	500	5.77	34.225	0.59	26.991	107.5	0.972		
601	5.28	34.323	0.32	3.24	94.	0.00	39.4	41.6	600	5.28	34.322	0.32	27.127	94.6	1.079		
751	4.62	34.395	0.34	3.35	112.	0.00	41.6	32.8	700	4.83	34.375	0.33	27.222	85.6	1.177		
895	4.19	34.458	0.51	3.33	121.	0.00	42.6	24.4	800	4.46	34.418	0.39	27.297	78.5	1.267		
1097	3.70	34.506	0.72	3.33	128.	0.00	43.0	16.4	1000	3.92	34.489	0.62	27.410	67.8	1.430		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29	40.5 N	120	47.0 W	10/12/72		0733 GMT		4116 M		100		06 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	19.71	33.34		23.595	430.6	0.000		
									10	19.19	33.29		23.690	421.5	0.043		
									20	18.92	33.29		23.758	415.0	0.064		
									30	18.75	33.32		23.824	408.8	0.126		
									50	17.55	33.31		24.110	381.5	0.205		
									75	14.29	33.41		24.920	304.3	0.291		
									100	12.06	33.25		25.241	273.7	0.364		
									125	11.21	33.45		25.553	244.0	0.429		
									150	10.12	33.61		25.869	214.1	0.487		
									200	9.57	34.05		26.303	172.8	0.586		
									250	8.94	34.14		26.475	156.4	0.670		
									300	8.34	34.25		26.655	139.4	0.747		
									400	7.25	34.26		26.823	123.5	0.884		
									500	6.45	34.34		26.995	107.1	1.006		
									600	5.71	34.37		27.113	95.9	1.115		
									700	5.19	34.41		27.208	87.0	1.215		
									800	4.86	34.44		27.270	81.1	1.307		
									1000	4.18	34.50		27.392	69.5	1.476		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29	19.5 N	121	25.0 W	10/12/72		0256 GMT		4308 M		180		06 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	20.09	33.57		23.670	423.4	0.000		
									10	19.77	33.57		23.754	415.4	0.042		
									20	19.69	33.58		23.782	412.7	0.083		
									30	19.53	33.59		23.831	408.1	0.125		
									50	17.15	33.44		24.304	362.9	0.202		
									75	14.97	33.33		24.714	325.9	0.288		
									100	14.01	33.67		25.179	279.7	0.364		
									125	13.56	33.74		25.325	265.7	0.433		
									150	11.04	33.54		25.654	234.5	0.497		
									200	9.19	33.85		26.209	181.7	0.602		
									250	8.52	34.04		26.463	157.6	0.689		
									300	7.97	34.11		26.601	144.5	0.767		
									400	6.98	34.21		26.821	123.6	0.907		
									500	6.35	34.31		26.985	108.1	1.029		
									600	5.68	34.36		27.109	96.3	1.139		
									700	5.15	34.41		27.212	86.6	1.238		
									800	4.76	34.45		27.289	79.3	1.330		
									1000	4.08	34.51		27.410	67.8	1.495		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 40.5 N			122 46.0 W			10/11/72		1747 GMT		4308 M	130	07 KT	1	120 02 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.90	33.31		23.523	437.5	0.000	
									10	19.74	33.31		23.564	433.5	0.044	
									20	19.90	33.58		23.728	417.9	0.086	
									30	20.32	33.99		23.929	398.7	0.127	
									50	19.03	33.93		24.217	371.2	0.204	
									75	16.71	33.72		24.621	332.7	0.293	
									100	15.45	33.73		24.915	304.7	0.373	
									125	14.42	33.70		25.116	285.7	0.448	
									150	11.70	33.53		25.526	246.7	0.515	
									200	9.82	33.81		26.075	194.5	0.627	
									250	8.88	33.97		26.352	168.1	0.720	
									300	8.00	34.04		26.542	150.1	0.802	
									400	6.38	34.09		26.807	124.9	0.945	
									500	5.83	34.23		26.988	107.8	1.067	
									600	5.49	34.34		27.116	95.6	1.176	
									700	5.06	34.41		27.223	85.5	1.274	
									800	4.64	34.46		27.310	77.3	1.364	
									1000	4.01	34.52		27.426	66.3	1.525	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 40.5 N			122 46.0 W			10/11/72		1916 GMT		4308 M	130	07 KT	1	120 02 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	20.00	33.353	5.38	0.31	3.	0.00	0.0	436.8	0	20.00	33.353	5.38	23.529	436.4	0.000	
12	19.81	33.379	5.51	0.29	2.	0.00	0.0	430.2	10	19.82	33.359	5.50	23.581	431.9	0.043	
31	20.36	33.947	5.46	0.22	1.	0.00	0.0	402.9	20	20.05	33.609	5.50	23.709	419.7	0.086	
56	19.08	33.922	5.65	0.26	3.	0.00	0.0	373.0	30	20.33	33.915	5.46	23.868	404.5	0.127	
71	17.14	33.770	5.99	0.24	2.	0.00	0.1	338.7	50	19.60	33.982	5.60	24.110	381.4	0.206	
84	15.98	33.749	5.93	0.26	1.	0.00	0.0	314.6	75	16.72	33.758	5.97	24.649	330.1	0.298	
100	15.62	33.727	5.90	0.25	3.	0.00	0.0	308.5	100	15.62	33.727	5.90	24.875	308.5	0.376	
129	14.38	33.738	5.61	0.33	3.	0.12	0.3	282.1	125	14.61	33.740	5.66	25.106	286.6	0.451	
154	12.41	33.629	5.31	0.60	4.	0.02	4.4	252.1	150	12.74	33.646	5.37	25.416	257.1	0.520	
178	10.84	33.612	4.67	1.05	13.	0.00	11.5	225.8	200	10.11	33.734	4.21	25.967	204.7	0.638	
212	9.85	33.815	4.01	1.41	19.	0.02	17.3	154.6	250	8.98	33.960	3.65	26.328	170.4	0.734	
275	8.49	34.017	3.48	1.75	31.	0.01	23.0	158.9	300	7.95	34.034	3.17	26.544	149.9	0.816	
371	6.71	34.049	2.18	2.39	57.	0.01	32.5	132.2	400	6.46	34.092	1.77	26.799	125.7	0.959	
468	6.10	34.202	0.95	2.96	73.	0.02	38.1	113.1	500	5.94	34.238	0.72	26.980	108.5	1.083	
596	5.53	34.322	0.34	3.18	91.	0.00	38.8	97.4	600	5.51	34.325	0.34	27.102	97.0	1.192	
745	4.95	34.420	0.35	3.29	102.	0.00	41.8	73.6	700	5.12	34.396	0.35	27.204	87.3	1.292	
889	4.40	34.465	0.49	3.30	112.	0.00	43.3	74.4	800	4.73	34.441	0.39	27.284	79.7	1.384	
1090	3.77	34.505	0.79	3.24	118.	0.00	43.7	65.1	1000	4.03	34.491	0.64	27.400	68.8	1.550	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

100140

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 0.0 N			124 4.0 W			10/11/72		0704 GMT		4313 M	180	03 KT	1	00		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	20.81	33.77		23.631	427.1	0.000	
									10	20.29	33.78		23.777	413.2	0.042	
									20	20.27	33.79		23.790	412.0	0.083	
									30	20.27	33.80		23.798	411.2	0.125	
									50	19.01	33.92		24.219	371.5	0.203	
									75	16.74	33.86		24.722	323.2	0.290	
									100	15.55	33.92		25.043	292.5	0.368	
									125	14.73	33.98		25.265	271.5	0.439	
									150	13.52	33.83		25.403	258.3	0.507	
									200	10.59	33.74		25.888	212.2	0.626	
									250	9.37	33.92		26.235	179.3	0.726	
									300	8.14	34.02		26.505	153.6	0.812	
									400	6.67	34.08		26.768	128.7	0.959	
									500	5.74	34.20		26.975	109.0	1.084	
									600	5.26	34.32		27.128	94.5	1.192	
									700	4.95	34.39		27.220	85.9	1.290	
									800	4.66	34.46		27.308	77.5	1.379	
									1000	3.96	34.53		27.439	65.1	1.540	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110035

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 46.0 N			116 0.0 W			10/17/72		1822 GMT		1373 M	310	12 KT	1	320 02 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	20.53	33.66		23.623	427.9	0.000	
									10	20.34	33.68		23.688	421.7	0.042	
									20	20.03	33.69		23.777	413.2	0.084	
									30	19.50	33.61		23.854	405.9	0.125	
									50	15.73	33.59		24.746	320.9	0.198	
									75	13.80	33.65		25.207	277.0	0.273	
									100	12.85	33.75		25.476	251.4	0.340	
									125	12.53	33.85		25.616	238.1	0.402	
									150	11.28	33.91		25.897	211.3	0.459	
									200	10.82	34.39		26.353	168.1	0.556	
									250	10.59	34.54		26.510	153.1	0.639	
									300	9.62	34.48		26.630	141.7	0.715	
									400	8.04	34.38		26.802	125.4	0.855	
									500	6.75	34.38		26.986	108.0	0.979	
									600	5.98	34.41		27.111	96.2	1.029	
									700	5.34	34.44		27.213	86.4	1.189	
									800	4.84	34.48		27.303	77.9	1.280	
									1000	4.16	34.53		27.416	67.3	1.443	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 36.5 N			116 19.5 W			10/17/72		2147 GMT		2227 M	340	19 KT	1	340 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD	
									0	20.90	33.67		23.531	436.6	0.000	
									10	20.91	33.69		23.544	435.4	0.044	
									20	20.17	33.71		23.756	415.2	0.086	
									30	19.23	33.63		23.938	397.8	0.127	
									50	16.09	33.53		24.618	333.0	0.200	
									75	13.70	33.53		25.135	283.5	0.278	
									100	12.69	33.63		25.414	257.2	0.346	
									125	12.46	33.88		25.652	234.6	0.408	
									150	11.10	34.06		26.046	197.2	0.463	
									200	10.07	34.23		26.360	167.4	0.556	
									250	10.41	34.52		26.526	151.6	0.638	
									300	9.65	34.46		26.610	143.7	0.715	
									400	7.68	34.34		26.824	123.4	0.855	
									500	6.66	34.34		26.967	109.8	0.979	
									600	5.92	34.38		27.095	97.7	1.090	
									700	5.29	34.43		27.212	86.6	1.190	
									800	4.77	34.47		27.303	77.9	1.281	
									1000	4.06	34.52		27.420	66.8	1.444	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 36.5 N			116 19.5 W			10/17/72		2251 GMT		2227 M	340	19 KT	1	340 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD	
0	20.87	33.694	5.53	0.23	3.	0.00	0.0	434.1	0	20.87	33.694	5.53	23.558	434.1	0.000	
10	20.86	33.692	5.68	0.21	2.	0.00	0.0	434.0	10	20.86	33.692	5.68	23.559	434.0	0.043	
30	20.16	33.702	5.49	0.26	1.	0.02	0.0	415.6	20	20.51	33.697	5.60	23.656	424.8	0.086	
55	15.31	33.508	5.80	0.39	4.	0.08	0.5	318.0	30	20.16	33.702	5.49	23.752	415.6	0.129	
69	14.05	33.512	5.51	0.51	4.	0.02	1.5	292.0	50	16.32	33.529	5.76	24.564	358.2	0.204	
84	13.61	33.630	4.64	0.91	7.	0.01	6.7	274.7	75	13.62	33.556	5.17	25.130	284.3	0.282	
99	13.11	33.704	4.27	1.21	13.	0.01	9.2	259.7	100	13.09	33.708	4.23	25.396	259.0	0.351	
129	12.36	33.835	3.26	1.69	19.	0.01	14.4	236.1	125	12.47	33.817	3.38	25.601	239.5	0.414	
154	11.10	33.992	2.95	1.97	24.	0.01	18.9	202.2	150	11.30	33.966	2.98	25.936	207.7	0.471	
178	10.36	34.122	2.75	2.15	31.	0.01	22.1	190.1	200	10.22	34.220	2.49	26.326	170.7	0.567	
213	10.14	34.246	2.31	2.35	35.	0.01	25.1	167.4	250	10.13	34.392	1.70	26.476	156.4	0.651	
276	10.12	34.477	1.33	2.74	40.	0.01	28.7	150.0	300	9.78	34.463	1.34	26.590	145.6	0.730	
374	8.47	34.343	1.37	2.83	54.	0.01	29.5	134.4	400	8.14	34.339	1.25	26.756	129.8	0.874	
471	7.33	34.351	0.90	3.09	67.	0.01	32.5	117.8	500	6.99	34.349	0.90	26.925	113.4	1.003	
601	5.95	34.354	0.89	3.28	85.	0.03	36.8	100.0	600	5.96	34.354	0.89	27.069	100.1	1.118	
750	5.09	34.416	0.88	3.38	102.	0.01	38.6	85.4	700	5.33	34.393	0.88	27.178	89.8	1.221	
894	4.36	34.471	0.89	3.38	118.	0.01	40.3	73.5	800	4.82	34.436	0.88	27.272	80.9	1.315	
1099	3.74	34.514	1.30	3.38	128.	0.01	43.1	64.2	1000	4.04	34.493	1.10	27.401	68.7	1.482	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 36.5 N			116 59.0 W			10/18/72		0414 GMT		3737 M	350	18 KT	1	320 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD	
									0	20.93	33.79		23.615	428.7	0.000	
									10	20.94	33.79		23.612	429.0	0.045	
									20	20.93	33.80		23.622	428.0	0.086	
									30	20.93	33.81		23.630	427.3	0.129	
									50	17.32	33.58		24.371	356.6	0.207	
									75	14.27	33.54		25.024	294.4	0.289	
									100	12.90	33.62		25.365	261.9	0.359	
									125	12.21	33.80		25.638	235.9	0.422	
									150	11.65	34.00		25.899	211.2	0.479	
									200	9.97	34.12		26.291	173.9	0.577	
									250	10.49	34.56		26.543	150.0	0.660	
									300	9.78	34.49		26.611	143.6	0.737	
									400	7.76	34.33		26.805	125.2	0.878	
									500	6.85	34.35		26.949	111.5	1.003	
									600	6.04	34.39		27.088	98.4	1.116	
									700	5.44	34.44		27.201	87.6	1.217	
									800	4.92	34.43		27.255	82.5	1.311	
									1000	4.12	34.51		27.406	68.2	1.480	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 56.5 N			117 39.0 W			10/18/72		1223 GMT		3641 M	350	15 KT	1	340 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD	
									0	21.31	33.82		23.534	436.4	0.000	
									10	21.31	33.82		23.534	436.4	0.044	
									20	21.32	33.83		23.539	435.9	0.087	
									30	21.32	33.84		23.547	435.2	0.131	
									50	17.39	33.34		24.171	375.6	0.212	
									75	12.79	33.43		25.240	273.8	0.294	
									100	11.17	33.45		25.560	243.3	0.359	
									125	10.80	33.75		25.859	214.9	0.417	
									150	10.30	33.93		26.087	193.3	0.469	
									200	9.73	34.21		26.401	165.5	0.560	
									250	9.86	34.43		26.547	149.6	0.640	
									300	9.00	34.37		26.846	140.3	0.716	
									400	7.66	34.35		26.835	122.3	0.853	
									500	6.78	34.38		26.962	108.4	0.976	
									600	5.81	34.39		27.117	95.6	1.085	
									700	5.26	34.42		27.207	87.0	1.185	
									800	4.92	34.45		27.271	81.0	1.277	
									1000	4.26	34.52		27.399	68.8	1.446	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110070

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 36.5 N			118 18.0 W			10/18/72			1738 GMT				3357 M	050	09 KT	5	010 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD				
									0	21.36	33.81		23.513	438.4	0.000				
									10	21.34	33.82		23.526	437.2	0.044				
									20	21.35	33.83		23.531	436.7	0.088				
									30	21.35	33.83		23.531	436.7	0.131				
									50	18.66	33.34		23.811	409.9	0.216				
									75	13.44	33.61		25.250	272.9	0.302				
									100	11.45	33.76		25.750	225.3	0.365				
									125	10.25	33.90		26.072	194.8	0.418				
									150	9.92	34.01		26.214	181.3	0.466				
									200	9.47	34.22		26.452	158.6	0.552				
									250	9.28	34.41		26.632	141.6	0.630				
									300	8.67	34.38		26.690	136.1	0.702				
									400	7.23	34.33		26.881	118.0	0.835				
									500	6.59	34.40		27.024	104.4	0.953				
									600	5.94	34.43		27.132	94.2	1.060				
									700	5.38	34.44		27.209	86.9	1.159				
									800	4.82	34.45		27.282	79.9	1.251				
									1000	4.08	34.52		27.418	67.0	1.416				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110080

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 16.5 N			118 57.5 W			10/18/72			2258 GMT				3737 M	120	10 KT	1	020 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD				
									0	21.30	33.78		23.506	439.0	0.000				
									10	21.28	33.78		23.512	438.5	0.044				
									20	20.20	33.64		23.695	421.0	0.087				
									30	17.75	33.54		24.237	369.3	0.127				
									50	14.45	33.36		24.848	311.1	0.195				
									75	12.05	33.41		25.367	261.7	0.267				
									100	11.05	33.60		25.698	230.2	0.329				
									125	10.73	33.91		25.996	202.0	0.383				
									150	10.22	34.07		26.209	181.7	0.432				
									200	9.30	34.16		26.433	160.4	0.519				
									250	8.80	34.26		26.591	145.4	0.598				
									300	8.35	34.31		26.700	135.1	0.671				
									400	7.44	34.32		26.843	121.6	0.805				
									500	6.52	34.35		26.994	107.3	0.926				
									600	5.80	34.39		27.118	95.5	1.035				
									700	5.25	34.42		27.208	86.9	1.135				
									800	4.83	34.45		27.281	80.0	1.227				
									1000	4.09	34.52		27.417	67.1	1.392				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

110080

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 16.5 N			118 57.5 W			10/19/72			0008 GMT				3737 M	120	10 KT	1	020 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD				
1	21.20	33.779	5.27	0.25	3.	0.03	0.2	436.5	0	21.20	33.779	5.27	23.533	436.5	0.000				
11	21.11	33.779	5.33	0.30	3.	0.02	0.0	434.2	10	21.12	33.779	5.32	23.555	434.4	0.044				
31	18.79	33.568	5.62	0.29	1.	0.01	0.1	391.7	20	20.31	33.698	5.45	23.710	419.6	0.086				
55	14.60	33.413	5.97	0.36	3.	0.01	0.2	310.3	30	18.95	33.581	5.60	23.971	394.7	0.127				
70	12.77	33.350	5.70	0.61	4.	0.04	2.3	279.3	50	15.47	33.431	5.94	24.681	327.0	0.200				
85	12.03	33.496	4.87	0.88	7.	0.01	7.6	255.0	75	12.47	33.395	5.42	25.275	270.5	0.275				
99	11.19	33.532	4.71	1.08	12.	0.01	10.4	217.6	100	11.17	33.545	4.67	25.634	236.4	0.338				
129	10.67	33.857	3.24	1.76	21.	0.01	18.5	204.2	125	10.74	33.821	3.47	25.925	208.7	0.395				
153	10.68	34.092	2.31	2.07	26.	0.00	22.1	187.7	150	10.68	34.067	2.39	26.127	189.6	0.445				
177	9.92	34.127	2.38	2.12	32.	0.00	23.8	172.6	200	9.48	34.156	2.15	26.401	163.5	0.535				
212	9.31	34.169	1.99	2.29	38.	0.00	27.1	159.9	250	8.88	34.218	1.68	26.546	149.7	0.616				
275	8.65	34.247	1.50	2.58	44.	0.00	30.7	144.2	300	8.36	34.269	1.27	26.667	138.2	0.690				
372	7.54	34.312	0.68	2.94	62.	0.00	32.6	123.5	400	7.29	34.319	0.56	26.864	119.6	0.825				
469	6.73	34.329	0.40	3.13	72.	0.00	36.1	111.5	500	6.48	34.338	0.41	26.989	107.7	0.946				
599	5.77	34.372	0.44	3.11	87.	0.01	37.8	96.5	600	5.76	34.372	0.44	27.108	96.4	1.055				
749	4.96	34.420	0.32	3.33	104.	0.00	37.7	83.7	700	5.19	34.405	0.35	27.203	87.4	1.155				
894	4.41	34.462	0.59	3.35	113.	0.00	42.8	74.7	800	4.75	34.435	0.40	27.279	80.3	1.247				
1098	3.85	34.515	0.67	3.37	126.	0.00	44.1	65.2	1000	4.09	34.491	0.63	27.394	69.3	1.415				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120045

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 43.0 N			115 33.0 W			10/20/72			1009 GMT				3822 M	330	15 KT	1	320 04 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD				
									0	22.37	34.21		23.536	436.2	0.000				
									10	22.33	34.21		23.547	435.2	0.044				
									20	22.21	34.19		23.566	433.4	0.087				
									30	21.24	33.96		23.659	424.4	0.130				
									50	18.41	33.75		24.236	369.5	0.210				
									75	14.17	33.55		25.053	291.6	0.293				
									100	12.84	33.72		25.454	253.4	0.362				
									125	11.69	33.81		25.744	225.9	0.422				
									150	10.74	33.88		25.971	204.3	0.477				
									200	10.17	34.22		26.335	169.8	0.572				
									250	9.41	34.28		26.509	153.3	0.655				
									300	8.64	34.29		26.640	140.8	0.731				
									400	7.71	34.35		26.827	123.0	0.869				
									500	6.67	34.41		27.021	104.7	0.990				
									600	5.82	34.42		27.139	93.5	1.097				
									700	5.39	34.47		27.231	84.7	1.194				
									800	4.83	34.48		27.305	77.8	1.284				
									1000	4.10	34.54		27.432	65.7	1.446				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120050

LATITUDE 27 33.0 N			LONGITUDE 115 52.5 W			MO/DAY/YR 10/20/72		MESSENGER TIME 0338 GMT		BOTTOM 3832 M	WIND 330	SPEED 15 KT	WEATHER 1	DOMINANT WAVES 320 04 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
	0	21.44	33.80						0	21.44	33.80		23.484	441.2	0.000	
	10	21.44	33.80						10	21.44	33.80		23.484	441.2	0.044	
	20	21.43	33.81						20	21.43	33.81		23.494	440.2	0.088	
	30	21.06	33.80						30	21.06	33.80		23.587	431.4	0.132	
	50	18.30	33.69						50	18.30	33.69		24.217	371.2	0.212	
	75	13.88	33.47						75	13.88	33.47		25.052	291.7	0.296	
	100	12.30	33.61						100	12.30	33.61		25.474	251.5	0.364	
	125	11.58	33.84						125	11.58	33.84		25.788	221.7	0.424	
	150	10.77	34.08						150	10.77	34.08		26.121	190.1	0.476	
	200	10.37	34.29						200	10.37	34.29		26.355	167.9	0.568	
	250	9.97	34.38						250	9.97	34.38		26.493	154.7	0.651	
	300	9.74	34.50						300	9.74	34.50		26.626	142.2	0.728	
	400	8.29	34.44						400	8.29	34.44		26.811	124.5	0.868	
	500	7.14	34.45						500	7.14	34.45		26.987	107.9	0.992	
	600	6.13	34.43						600	6.13	34.43		27.108	96.5	1.102	
	700	5.43	34.45						700	5.43	34.45		27.211	86.7	1.202	
	800	4.77	34.48						800	4.77	34.48		27.311	77.2	1.293	
	1000	4.01	34.54						1000	4.01	34.54		27.442	64.8	1.453	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120050

LATITUDE 27 33.0 N			LONGITUDE 115 52.5 W			MO/DAY/YR 10/20/72		MESSENGER TIME 0437 GMT		BOTTOM 3832 M	WIND 330	SPEED 15 KT	WEATHER 1	DOMINANT WAVES 320 04 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	21.41	33.791	5.20	0.22	2.	0.00	0.0	441.1	0	21.41	33.791	5.20	23.485	441.1	0.000	
10	21.42	33.795	5.29	0.22	1.	0.00	0.0	441.1	10	21.42	33.795	5.29	23.485	441.1	0.044	
20	20.93	33.767	5.11	0.25	2.	0.00	0.0	430.4	20	21.16	33.780	5.21	23.544	435.4	0.088	
30	17.45	33.643	0.35	4.	0.10	0.2	355.0		30	20.86	33.767	5.13	23.617	428.5	0.131	
40	13.97	33.485	5.47	0.76	7.	0.01	4.8	292.4	40	18.23	33.673	5.38	24.220	370.9	0.211	
50	12.75	33.499	5.02	0.99	8.	0.01	8.5	268.0	50	13.20	33.483	5.28	25.199	277.7	0.293	
60	12.10	33.546	4.62	1.28	16.	0.00	12.3	252.6	60	12.05	33.563	4.52	25.486	250.4	0.360	
70	11.47	33.838	3.18	1.69	19.	0.00	16.2	219.9	70	11.50	33.815	3.28	25.782	222.2	0.419	
80	10.76	34.046	2.51	1.97	27.	0.00	21.0	192.4	80	10.81	34.031	2.55	26.075	194.4	0.472	
90	10.46	34.210	1.95	2.27	32.	0.00	23.5	175.3	90	10.43	34.302	1.61	26.354	168.0	0.565	
100	10.41	34.328	1.49	2.47	37.	0.00	27.1	165.8	100	10.06	34.401	1.10	26.494	154.7	0.648	
110	9.76	34.424	0.91	2.70	41.	0.00	27.6	148.1	110	9.47	34.433	0.76	26.619	142.8	0.725	
120	8.56	34.426	0.45	2.96	55.	0.00	29.5	129.5	120	8.28	34.430	0.37	26.805	125.2	0.866	
130	7.48	34.436	0.22	3.18	67.	0.00	34.9	113.5	130	7.17	34.428	0.22	26.966	109.9	0.991	
140	6.08	34.404	0.21	3.26	87.	0.00	37.5	97.8	140	6.14	34.405	0.21	27.087	96.4	1.103	
150	5.07	34.444	0.29	3.43	103.	0.00	39.3	83.1	150	5.40	34.425	0.25	27.195	88.2	1.205	
160	4.32	34.481	0.44	3.44	117.	0.00	41.7	72.4	160	4.80	34.456	0.33	27.289	79.3	1.297	
170	3.73	34.523	0.65	3.34	133.	0.00	46.1	63.4	170	3.93	34.507	0.56	27.423	66.6	1.461	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120060

LATITUDE 27 13.0 N			LONGITUDE 116 30.0 W			MO/DAY/YR 10/19/72		MESSENGER TIME 2238 GMT		BOTTOM 3737 M	WIND 320	SPEED 16 KT	WEATHER 1	DOMINANT WAVES 320 04 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	STGT	DT	DD	
	0	21.40	33.71						0	21.40	33.71		23.426	446.7	0.000	
	10	21.21	33.75						10	21.21	33.75		23.508	438.8	0.044	
	20	20.98	33.71						20	20.98	33.71		23.540	435.8	0.088	
	30	20.20	33.69						30	20.20	33.69		23.733	417.4	0.131	
	50	15.48	33.45						50	15.48	33.45		24.694	325.8	0.205	
	75	13.27	33.60						75	13.27	33.60		25.276	270.4	0.280	
	100	12.29	33.67						100	12.29	33.67		25.523	247.0	0.346	
	125	11.38	33.83						125	11.38	33.83		25.817	219.0	0.404	
	150	10.82	34.01						150	10.82	34.01		26.058	196.1	0.457	
	200	10.21	34.28						200	10.21	34.28		26.374	166.0	0.550	
	250	9.62	34.34						250	9.62	34.34		26.521	152.1	0.631	
	300	9.20	34.38						300	9.20	34.38		26.621	142.6	0.708	
	400	7.72	34.37						400	7.72	34.37		26.842	121.7	0.846	
	500	6.66	34.38						500	6.66	34.38		26.998	106.8	0.968	
	600	5.91	34.42						600	5.91	34.42		27.128	94.6	1.076	
	700	5.28	34.45						700	5.28	34.45		27.229	85.0	1.174	
	800	4.72	34.46						800	4.72	34.46		27.301	78.1	1.264	
	1000	4.02	34.53						1000	4.02	34.53		27.432	65.7	1.426	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120070

LATITUDE 26 53.0 N			LONGITUDE 117 10.0 W			MO/DAY/YR 10/19/72		MESSENGER TIME 1703 GMT		BOTTOM 3926 M	WIND 320	SPEED 17 KT	WEATHER 1	DOMINANT WAVES 320 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
	0	21.33							0	21.33	33.76		23.483	441.2	0.000	
	10	21.33							10	21.33	33.78		23.498	439.8	0.044	
	20	21.32							20	21.32	33.83		23.539	435.9	0.088	
	30	21.29							30	21.29	33.86		23.570	433.0	0.131	
	40	18.35							40	18.35	33.68		24.197	373.1	0.212	
	50	14.36							50	14.36	33.52		24.990	297.6	0.297	
	60	12.38							60	12.38	33.53		25.397	258.9	0.367	
	70	11.54							70	11.54	33.73		25.710	229.1	0.428	
	80	10.86							80	10.86	33.94		25.996	201.9	0.483	
	90	9.61							90	9.61	34.17		26.390	164.5	0.577	
	100	9.04							100	9.04	34.26		26.553	149.0	0.657	
	110	8.59							110	8.59	34.28		26.640	140.8	0.732	
	120	7.65							120	7.65	34.32		26.813	124.4	0.871	
	130	6.88							130	6.88	34.39		26.976	108.9	0.995	
	140	5.91							140	5.91	34.41		27.120	95.3	1.105	
	150	5.38							150	5.38	34.44		27.209	86.9	1.204	
	160	4.87							160	4.87	34.47		27.292	79.0	1.296	
	170	4.08							170	4.08	34.51		27.410	67.8	1.461	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 32.5 N		117 49.0 W		10/19/72		1104 GMT			3926 M	310	16 KT	1			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	21.59	33.73		23.389	450.2	0.000
									10	21.58	33.79		23.438	445.6	0.045
									20	21.45	33.81		23.488	440.8	0.089
									30	21.26	33.86		23.578	432.2	0.133
									50	18.12	33.61		24.201	372.8	0.214
									75	15.03	33.49		24.823	313.5	0.300
									100	13.15	33.64		25.331	265.2	0.373
									125	11.91	33.80		25.695	230.5	0.435
									150	11.25	34.05		26.011	200.5	0.490
									200	11.03	34.46		26.370	166.5	0.584
									250	10.72	34.61		26.542	150.1	0.666
									300	9.84	34.52		26.624	142.3	0.742
									400	8.53	34.47		26.798	125.8	0.883
									500	7.44	34.45		26.945	111.9	1.009
									600	6.35	34.42		27.071	99.9	1.124
									700	5.83	34.48		27.185	89.1	1.227
									800	5.26	34.48		27.255	82.5	1.322
									1000	4.50	34.51		27.365	72.1	1.497

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 32.5 N		117 49.0 W		10/19/72		1228 GMT			3926 M	310	16 KT	1			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
4	21.54	33.783	5.20	0.19	3.	0.02	0.0	445.1	0	21.54	33.783		23.443	445.1	0.000
13	21.59	33.808	5.20	0.22	2.	0.01	0.0	444.6	10	21.58	33.801	5.20	23.447	444.7	0.045
32	21.35	33.821	5.25	0.18	1.	0.01	0.0	437.3	20	21.50	33.813	5.22	23.476	441.9	0.089
57	17.27	33.715	5.89	0.21	3.	0.01	0.0	345.6	30	21.38	33.820	5.24	23.516	438.1	0.133
71	16.18	33.607	5.98	0.21	2.	0.00	0.0	329.3	50	18.49	33.742	5.71	24.210	372.0	0.214
86	14.58	33.502	5.86	0.31	1.	0.01	0.0	303.4	75	15.73	33.568	5.95	24.728	322.6	0.302
102	13.85	33.599	4.56	0.64	7.	0.04	3.6	281.7	100	13.92	33.582	4.74	25.129	284.4	0.378
131	11.96	33.815	3.28	1.07	16.	0.01	15.0	230.3	125	12.33	33.768	3.47	25.590	240.5	0.444
156	11.31	33.984	2.52	1.53	22.	0.01	18.8	206.4	150	11.42	33.944	2.68	25.897	211.3	0.502
180	10.75	34.180	1.86	2.18	32.	0.01	23.4	182.4	200	10.88	34.355	1.22	26.315	171.6	0.599
214	11.05	34.461	0.81	2.55	36.	0.01	27.4	166.7	250	10.70	34.545	0.57	26.494	154.7	0.684
278	10.23	34.536	0.39	2.70	41.	0.01	28.7	147.4	300	9.91	34.526	0.39	26.618	142.9	0.761
376	8.82	34.462	0.41	2.85	54.	0.01	29.6	130.7	400	8.55	34.455	0.37	26.784	127.2	0.903
473	7.78	34.444	0.24	3.09	63.	0.01	33.2	117.0	500	7.46	34.434	0.24	26.930	113.3	1.031
604	6.34	34.415	0.23	3.24	79.	0.00	35.4	100.2	600	6.38	34.415	0.23	27.064	100.6	1.146
753	5.56	34.463	0.21	3.28	95.	0.00	39.5	87.2	700	5.79	34.444	0.22	27.161	91.4	1.251
896	4.68	34.483	0.33	3.38	110.	0.00	43.1	76.0	800	5.26	34.470	0.24	27.247	83.3	1.348
1094	4.00	34.522	0.54	3.39	126.	0.00	44.5	66.1	1000	4.24	34.503	0.43	27.387	69.9	1.520

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 9.0 N		114 8.0 W		10/21/72		2031 GMT			2227 M	020	12 KT	1	340 04 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	25.91	34.72		22.872	499.7	0.000
									10	25.91	34.72		22.872	499.7	0.050
									20	25.91	34.73		22.879	498.9	0.100
									30	25.85	34.74		22.905	496.4	0.150
									50	21.87	34.54		23.925	399.1	0.240
									75	18.10	34.51		24.892	307.0	0.328
									100	15.10	34.16		25.322	266.0	0.401
									125	12.17	33.92		25.739	226.4	0.463
									150	12.84	34.53		26.080	194.0	0.516
									200	11.27	34.49		26.349	168.4	0.609
									250	10.20	34.41		26.477	156.2	0.693
									300	9.66	34.46		26.608	143.8	0.771
									400	8.36	34.43		26.793	126.3	0.913
									500	7.22	34.42		26.953	111.1	1.039
									600	6.28	34.42		27.080	99.1	1.152
									700	5.52	34.45		27.200	87.7	1.254
									800	4.94	34.47		27.284	79.7	1.347
									1000	4.23	34.53		27.410	67.8	1.513

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 9.0 N		114 8.0 W		10/21/72		2155 GMT			2227 M	020	12 KT	1	340 04 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	25.93	34.747	4.82	0.30	3.	0.03	0.0	498.3	0	25.93	34.747	4.82	22.886	498.3	0.000
11	25.90	34.750	4.82	0.31	2.	0.02	0.0	497.2	10	25.90	34.750	4.82	22.896	497.3	0.050
30	25.75	34.733	4.87	0.28	1.	0.01	0.0	494.0	20	25.83	34.743	4.84	22.913	495.7	0.100
55	20.81	34.518	3.68	0.98	7.	0.20	6.6	373.0	30	25.75	34.733	4.87	22.931	494.0	0.149
70	19.05	34.493	2.88	1.42	9.	0.14	12.1	330.9	50	21.91	34.544	3.98	23.916	400.0	0.239
85	17.21	34.487	2.08	1.79	13.	0.04	16.8	288.1	75	18.46	34.491	2.55	24.788	316.8	0.329
99	15.11	34.216	2.30	1.76	16.	0.04	16.6	262.1	100	14.96	34.201	2.31	25.384	260.1	0.402
129	11.83	33.989	2.53	1.82	20.	0.01	19.5	215.2	125	12.07	33.993	2.50	25.815	219.2	0.462
153	13.01	34.527	0.77	2.53	29.	0.01	24.3	197.4	150	12.80	34.447	0.99	26.025	199.2	0.516
179	11.99	34.468	0.94	2.49	32.	0.01	25.8	182.8	200	11.18	34.414	1.14	26.307	172.5	0.611
213	10.74	34.389	1.23	2.53	35.	0.00	27.5	166.8	250	10.10	34.406	1.04	26.490	155.0	0.695
277	9.85	34.438	0.78	2.73	41.	0.00	29.2	148.5	300	9.55	34.446	0.65	26.615	143.2	0.772
374	8.67	34.455	0.36	3.00	55.	0.00	29.9	129.0	400	8.41	34.455	0.34	26.804	125.2	0.913
472	7.74	34.451	0.27	3.13	64.	0.00	34.0	115.9	500	7.44	34.448	0.30	26.943	112.1	1.040
603	6.39	34.442	0.40	3.29	80.	0.00	36.9	98.8	600	6.42	34.442	0.40	27.079	99.1	1.154
753	5.32	34.465	0.20	3.41	96.	0.00	39.7	84.3	700	5.66	34.455	0.26	27.187	89.0	1.257
897	4.52	34.498	0.61	3.42	112.	0.00	41.8	73.2	800	5.03	34.475	0.32	27.277	80.4	1.350
1099	3.87	34.551	0.58	3.41	132.	0.00	43.8	62.6	1000	4.12	34.525	0.59	27.418	67.0	1.516

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
25 49.0 N			114 45.0 W			10/22/72		0228 GMT		3737 M		350		14 KT				340 04 05		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD					
									0	25.40	34.68		22.999	487.5	0.000					
									10	24.91	34.52		23.028	484.8	0.049					
									20	22.56	33.88		23.233	465.2	0.096					
									30	21.13	33.86		23.613	428.8	0.141					
									50	19.40	33.74		23.979	394.0	0.224					
									75	15.22	33.61		24.874	308.7	0.312					
									100	12.96	33.72		25.430	255.7	0.383					
									125	11.28	33.86		25.858	215.0	0.442					
									150	10.98	34.14		26.130	189.2	0.494					
									200	11.18	34.55		26.412	162.4	0.584					
									250	10.47	34.56		26.547	149.6	0.664					
									300	9.86	34.54		26.637	141.1	0.740					
									400	8.35	34.44		26.802	125.4	0.880					
									500	7.05	34.42		26.976	108.9	1.005					
									600	6.22	34.43		27.096	97.6	1.116					
									700	5.49	34.42		27.180	89.6	1.218					
									800	4.97	34.45		27.265	81.6	1.313					
									1000	4.12	34.51		27.406	68.2	1.481					

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
25 29.0 N			115 25.0 W			10/22/72		1453 GMT		3926 M		350		10 KT		1		350 03 05		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD					
									0	24.55	34.56		23.166	471.5	0.000					
									10	24.56	34.57		23.171	471.1	0.047					
									20	24.47	34.56		23.190	469.2	0.094					
									30	23.53	34.31		23.279	460.7	0.141					
									50	16.59	33.88		24.772	318.4	0.219					
									75	13.75	33.81		25.340	264.3	0.292					
									100	12.62	33.92		25.652	234.6	0.355					
									125	12.33	34.20		25.915	209.6	0.411					
									150	10.89	34.14		26.146	187.7	0.462					
									200	10.77	34.49		26.440	159.8	0.551					
									250	10.37	34.54		26.549	149.5	0.631					
									300	9.86	34.52		26.621	142.6	0.707					
									400	8.09	34.42		26.826	123.2	0.846					
									500	7.18	34.42		26.958	110.6	0.971					
									600	6.09	34.41		27.097	97.5	1.083					
									700	5.30	34.43		27.210	86.7	1.183					
									800	4.82	34.45		27.282	79.9	1.275					
									1000	3.93	34.52		27.429	66.0	1.439					

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
25 9.0 N			116 2.0 W			10/22/72		1958 GMT		3737 M		360		14 KT		0		360 03 05		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD					
									0	22.01	33.96		23.447	444.7	0.000					
									10	21.94	33.96		23.461	443.4	0.044					
									20	21.90	33.96		23.478	441.8	0.089					
									30	19.85	33.97		24.037	388.4	0.130					
									50	17.55	33.66		24.377	356.0	0.205					
									75	13.91	33.60		25.146	282.5	0.285					
									100	12.86	33.92		25.605	239.1	0.351					
									125	13.65	34.44		25.847	216.2	0.409					
									150	12.45	34.56		26.180	184.5	0.460					
									200	11.47	34.58		26.382	165.3	0.549					
									250	11.06	34.60		26.473	156.7	0.633					
									300	10.41	34.58		26.573	147.2	0.712					
									400	9.88	34.49		26.759	129.6	0.857					
									500	7.80	34.44		26.885	117.6	0.989					
									600	6.64	34.41		27.025	104.3	1.109					
									700	5.79	34.40		27.127	94.6	1.217					
									800	5.08	34.44		27.244	83.3	1.315					
									1000	4.26	34.51		27.389	69.4	1.487					

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
25 9.0 N			116 2.0 W			10/22/72		2048 GMT		3737 M		360		14 KT		0		360 03 05		
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD					
1	21.96	33.975	5.45	0.25	2.	0.00	0.2	442.3	0	21.96	33.975	5.45	23.473	442.3	0.000					
11	21.90	33.971	5.45	0.24	1.	0.00	0.2	441.0	10	21.93	33.971	5.45	23.485	441.1	0.044					
30	21.90	34.000	5.55	0.25	3.	0.01	0.0	438.9	20	21.90	33.985	5.49	23.497	440.0	0.088					
54	18.14	33.727	5.54	0.29	3.	0.01	0.1	364.6	30	21.90	34.000	5.55	23.508	438.9	0.132					
69	15.49		5.52	0.42	2.	0.13	0.7		50	18.93	33.777	5.58	24.125	380.0	0.214					
84	13.37	33.657	4.56	0.91	9.	0.07	7.4	268.1	75	14.50	33.604	5.24	25.023	294.4	0.299					
98	12.98	33.711	3.03	1.58	16.	0.02	15.0	242.1	100	12.99	33.954	2.83	25.606	239.0	0.367					
127	13.06	34.410	1.01	2.55	28.	0.01	23.7	207.0	125	13.05	34.384	1.09	25.924	208.8	0.423					
151	12.55	34.544	1.12	2.68	35.	0.00	25.2	187.5	150	12.58	34.543	1.12	26.141	188.1	0.474					
176	11.72	34.483	1.00	2.59	34.	0.00	26.0	176.9	200	11.60	34.562	0.80	26.344	168.9	0.565					
210	11.55	34.588	0.72	2.72	36.	0.00	27.6	166.1	250	11.22	34.632	0.51	26.468	157.2	0.649					
273	10.96	34.630	0.44	2.84	42.	0.00	28.0	152.8	300	10.48	34.610	0.43	26.554	146.1	0.778					
371	9.16	34.532	0.42	2.98	52.	0.00	29.1	130.7	400	8.83	34.505	0.44	26.777	127.8	0.872					
468	8.19	34.451	0.48	3.07	57.	0.01	32.7	122.3	500	7.81	34.444	0.49	26.886	117.5	1.003					
597	6.70	34.447	0.52	3.26	66.	0.00	36.4	102.3	600	6.67	34.447	0.52	27.049	102.0	1.122					
746	5.44	34.436	0.60	3.37	94.	0.00	40.8	87.9	700	5.77	34.437	0.58	27.158	91.7	1.228					
888	4.73	34.488	0.58	3.40	105.	0.00	43.7	76.1	800	5.13	34.454	0.59	27.249	83.0	1.324					
1087	3.97	34.513	0.82	3.39	124.	0.00	43.7	66.5	1000	4.27	34.510	0.68	27.390	69.7	1.469					

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 49.0 N			116 40.5 W			10/23/72		0130 GMT		4116 M	020	14 KT	1	010 03 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	22.21	33.98		23.407	448.6	0.000	
									10	22.20	34.00		23.425	446.8	0.045	
									20	22.14	34.01		23.449	444.5	0.089	
									30	22.04	34.03		23.492	440.4	0.134	
									50	19.18	33.81		24.088	383.5	0.216	
									75	13.85	33.62		25.173	280.2	0.300	
									100	12.21	33.66		25.530	246.2	0.366	
									125	11.92	33.99		25.841	216.7	0.425	
									150	11.27	34.16		26.093	192.7	0.477	
									200	10.86	34.38		26.338	169.5	0.569	
									250	10.39	34.45		26.475	156.4	0.653	
									300	9.15	34.38		26.629	141.8	0.731	
									400	8.06	34.38		26.799	125.7	0.871	
									500	7.00	34.40		26.968	109.7	0.996	
									600	6.33	34.40		27.058	101.2	1.110	
									700	5.74	34.44		27.165	91.1	1.215	
									800	5.28	34.45		27.229	85.0	1.312	
									1000	4.34	34.52		27.391	69.7	1.486	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

130090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 29.0 N			117 17.5 W			10/23/72		0619 GMT		4121 M	320	13 KT	1	010 04 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	22.00	33.95		23.443	445.1	0.000	
									10	21.98	33.95		23.448	444.6	0.045	
									20	22.19	34.06		23.473	442.2	0.089	
									30	22.23	34.11		23.499	439.7	0.133	
									50	18.67	33.73		24.156	377.1	0.215	
									75	15.87	33.47		24.622	332.6	0.304	
									100	13.12	33.50		25.229	274.9	0.381	
									125	11.06	33.68		25.759	224.5	0.444	
									150	10.35	33.91		26.063	195.6	0.497	
									200	9.83	34.20		26.377	165.8	0.589	
									250	10.17	34.50		26.552	149.1	0.670	
									300	9.57	34.48		26.639	141.0	0.746	
									400	8.14	34.45		26.842	121.7	0.884	
									500	7.31	34.45		26.964	110.1	1.007	
									600	6.44	34.41		27.051	101.8	1.122	
									700	5.71	34.44		27.168	90.7	1.227	
									800	5.15	34.46		27.252	82.8	1.323	
									1000	4.28	34.51		27.389	69.8	1.494	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140030

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 45.5 N			112 24.0 W			11/10/72		0913 GMT		112 M	330	08 KT	1			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	25.99	34.62		22.772	509.2	0.000	
									10	25.99	34.63		22.779	508.5	0.051	
									20	25.99	34.63		22.779	508.5	0.102	
									30	25.92	34.63		22.801	506.4	0.153	
									50	22.56	34.45		23.664	424.0	0.246	
									75	19.15	34.46		24.590	335.7	0.342	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 25.5 N			113 2.0 W			11/10/72		0318 GMT		3451 M	340	10 KT	1	360 04 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.51	34.48		23.413	447.9	0.000	
									10	23.32	34.45		23.446	444.8	0.045	
									20	22.38	34.29		23.594	430.7	0.088	
									30	22.27	34.28		23.617	428.5	0.132	
									50	22.13	34.24		23.626	427.6	0.217	
									75	16.94	33.60		24.476	346.6	0.315	
									100	13.06	33.67		25.372	261.3	0.391	
									125	11.75	33.79		25.717	228.4	0.453	
									150	11.65	34.23		26.077	194.3	0.507	
									200	11.16	34.50		26.377	165.8	0.599	
									250	9.99	34.42		26.521	152.1	0.681	
									300	9.90	34.55		26.638	141.0	0.757	
									400	8.54	34.49		26.812	124.5	0.897	
									500	7.28	34.47		26.984	108.2	1.021	
									600	6.34	34.47		27.112	96.1	1.131	
									700	5.59	34.48		27.215	86.3	1.231	
									800	5.00	34.49		27.293	78.9	1.323	
									1000	4.19	34.55		27.430	65.9	1.486	

RV DAVID STARR JORDAN						CALCOFI CRUISE 7210										140040		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
24 25.5 N		113 2.0 W		11/10/72		0412 GMT			3451 M	340	10 KT	1	360 04 05					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
1	23.45	34.485	4.70	0.24	3.	0.00	0.1	445.9	0	23.45	34.485	4.70	23.434	445.9	0.000			
11	23.44	34.490	4.97	0.31	1.	0.00	0.0	445.3	10	23.44	34.490	4.95	23.441	445.3	0.045			
30	22.30	34.292	5.22	0.29	0.	0.00	0.0	428.4	20	22.95	34.402	5.13	23.517	438.0	0.089			
54	21.88	34.255	5.13	0.28	2.	0.01	0.1	419.9	30	22.30	34.292	5.22	23.618	428.4	0.132			
69	17.33	33.750	5.44	0.37	2.	0.14	0.2	344.4	50	21.95	34.261	5.14	23.692	421.3	0.217			
84	15.29	33.642	5.72	0.40	1.	0.11	0.2	307.8	75	16.36	33.684	5.55	24.674	327.7	0.312			
98	13.42	33.638	1.76	0.88	9.	0.05	6.2	270.5	100	13.22	33.643	1.74	25.319	266.3	0.386			
128	11.62	33.844	1.50	1.50	17.	0.01	15.7	222.1	125	11.68	33.813	1.53	25.748	225.6	0.449			
152	11.71	34.199	0.94	2.17	25.	0.01	22.0	197.6	150	11.70	34.173	0.99	26.023	199.3	0.503			
177	11.24	34.407	0.63	2.45	34.	0.01	25.7	174.0	200	11.28	34.533	0.35	26.380	165.5	0.596			
211	11.29	34.562	0.25	2.70	37.	0.01	27.2	163.5	250	10.20	34.460	0.30	26.516	152.6	0.678			
275	9.88	34.473	0.33	2.71	41.	0.01	28.9	146.4	300	9.62	34.484	0.26	26.634	141.4	0.754			
373	8.87	34.499	0.03	2.96	55.	0.00	29.3	128.2	400	8.53	34.496	0.04	26.819	123.9	0.894			
471	7.62	34.484	0.07	3.16	66.	0.00	33.6	111.8	500	7.29	34.479	0.09	26.989	107.7	1.017			
603	6.27	34.466	0.14	3.32	82.	0.00	36.0	95.5	600	6.30	34.466	0.14	27.115	95.8	1.127			
754	5.31	34.478	0.18	3.38	98.	0.00	39.9	83.3	700	5.61	34.471	0.17	27.205	87.2	1.228			
898	4.50	34.507	0.18	3.43	113.	0.00	42.5	72.3	800	5.03	34.486	0.18	27.286	79.5	1.320			
1097	3.88	34.551	0.22	3.39	124.	0.00	44.6	62.7	1000	4.11	34.530	0.19	27.423	66.6	1.485			

RV DAVID STARR JORDAN						CALCOFI CRUISE 7210						140050			
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 5.5 N		113 39.5 W		11/09/72		2149		GMT	3169 M	360	13 KT	1	360 04 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	25.18	34.69		23.074	480.4	0.000
									10	25.18	34.70		23.081	479.6	0.048
									20	24.99	34.67		23.116	476.3	0.096
									30	24.79	34.66		23.170	471.2	0.143
									50	22.10	34.00		23.453	444.2	0.235
									75	20.01	34.51		24.406	353.3	0.335
									100	16.27	34.43		25.267	271.3	0.414
									125	13.77	34.31		25.722	228.0	0.477
									150	13.05	34.43		25.961	205.3	0.533
									200	12.69	34.75		26.280	175.0	0.630
									250	11.61	34.68		26.434	160.4	0.717
									300	10.65	34.63		26.570	147.5	0.797
									400	9.30	34.57		26.753	130.1	0.943
									500	7.87	34.52		26.937	112.6	1.073
									600	6.73	34.49		27.075	99.5	1.188
									700	5.86	34.49		27.180	88.8	1.291
									800	5.24	34.51		27.281	80.1	1.365
									1000	4.29	34.57		27.436	65.4	1.550

RV DAVID STARR JORDAN										CALCOFI CRUISE 7210					140060				
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
23 46.0 N		114 17.5 W		11/09/72		1457 GMT			4403 M	360	11 KT	1	360 05 06						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD				
									0	25.43	34.74		23.035	484.0	0.000				
									10	25.42	34.75		23.046	483.0	0.048				
									20	25.43	34.76		23.050	482.6	0.097				
									30	25.43	34.76		23.050	482.6	0.145				
									50	22.46	34.33		23.601	430.0	0.237				
									75	17.54	34.25		24.830	312.9	0.330				
									100	16.06	34.63		25.468	252.1	0.401				
									125	13.58	34.45		25.869	214.0	0.460				
									150	13.13	34.65		26.114	190.7	0.512				
									200	11.64	34.67		26.420	161.7	0.602				
									250	10.42	34.52		26.525	151.8	0.683				
									300	9.79	34.54		26.648	140.0	0.759				
									400	8.76	34.54		26.817	124.0	0.898				
									500	7.62	34.50		26.956	110.6	1.024				
									600	6.55	34.47		27.084	98.7	1.137				
									700	5.66	34.48		27.206	87.1	1.239				
									800	5.12	34.50		27.287	79.5	1.331				
									1000	4.24	34.53		27.409	67.9	1.497				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 46.0 N		114 17.5 W		11/09/72		1604 GMT		4403 M		360		11 KT		1		360 05 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
1	25.38	34.713	4.76	0.30	2.	0.00	0.0	484.5	0	25.38	34.713	4.76	23.030	484.5	0.000		
11	25.40	34.721	4.83	0.30	1.	0.01	0.0	484.5	10	25.40	34.720	4.83	23.030	484.5	0.048		
31	25.43	34.724	4.82	0.30	0.	0.01	0.0	485.2	20	25.41	34.722	4.83	23.027	484.8	0.097		
55	21.20	34.407	4.39	0.73	5.	0.54	2.6	391.1	30	25.43	34.724	4.82	23.023	485.2	0.146		
70	18.26	34.162	4.06	0.90	6.	0.62	5.4	336.0	50	22.30	34.482	4.50	23.762	414.7	0.236		
85	16.15	34.266	2.48	1.63	12.	0.07	15.6	279.2	75	17.40	34.168	3.58	24.800	315.7	0.328		
100	16.02	34.663A	1.37	2.20	23.	0.02	20.7	246.8	100	16.02	34.663	1.37	25.503	248.8	0.399		
129	13.58	34.437	1.16	2.37	26.	0.00	23.8	215.0	125	13.95	34.487	1.19	25.821	218.5	0.458		
153	13.01	34.614	0.54	2.62	30.	0.00	25.4	191.0	150	13.05	34.588	0.62	26.083	193.7	0.511		
178	12.34	34.657	0.36	2.70	36.	0.00	26.2	175.3	200	11.87	34.603	0.25	26.325	170.7	0.604		
212	11.63	34.563	0.22	2.77	38.	0.01	27.1	169.4	250	10.81	34.552	0.26	26.480	156.0	0.688		
275	10.32	34.566	0.32	2.82	42.	0.01	28.6	146.7	300	9.97	34.556	0.27	26.631	141.7	0.766		
372	9.15	34.511	0.10	3.02	54.	0.01	27.9	132.1	400	8.82	34.492	0.11	26.770	128.5	0.908		
468	8.03	34.459	0.12	3.16	63.	0.01	33.2	119.4	500	7.64	34.462	0.13	26.926	113.7	1.037		
597	6.57	34.492	0.16	3.29	77.	0.00	35.8	97.3	600	6.54	34.492	0.16	27.102	97.0	1.151		
743	5.58	34.492	0.25	3.38	94.	0.00	40.7	85.3	700	5.82	34.494	0.23	27.197	88.0	1.253		
884	4.87	34.505	0.21	3.45	108.	0.00	42.2	76.3	800	5.27	34.497	0.23	27.266	81.4	1.347		
1078	4.00	34.522	0.52	3.39	124.	0.00	44.4	66.1	1000	4.33	34.516	0.34	27.388	69.9	1.517		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7217

140770

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 26.5 N		114 55.5 W		11/09/72		1007 GMT		3926 M		010		17 KT					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	25.55	34.72		22.983	489.0	0.000		
									10	25.56	34.73		22.987	486.6	0.049		
									20	25.57	34.74		22.992	488.2	0.098		
									30	25.43	34.77		23.057	481.9	0.146		
									50	21.73	34.18		23.692	421.3	0.237		
									75	16.04	33.72		24.775	318.1	0.330		
									100	13.52	33.74		25.333	264.9	0.403		
									125	12.97	34.24		25.830	217.7	0.464		
									150	12.68	34.50		26.089	193.2	0.517		
									200	10.92	34.45		26.382	165.3	0.608		
									250	10.19	34.49		26.541	150.2	0.690		
									300	9.74	34.52		26.641	140.7	0.766		
									400	8.37	34.48		26.830	122.8	0.904		
									500	7.18	34.46		26.990	107.6	1.027		
									600	6.31	34.47		27.116	95.7	1.137		
									700	5.58	34.47		27.208	86.9	1.237		
									800	5.10	34.49		27.281	80.0	1.329		
									1000	4.26	34.53		27.407	68.1	1.496		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 5.0 N		115 33.0 W		11/09/72		0440 GMT		4121 M		020		16 KT					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.15	34.28		23.366	452.4	0.000		
									10	23.15	34.29		23.374	451.7	0.045		
									20	23.16	34.30		23.379	451.2	0.090		
									30	23.16	34.31		23.386	450.5	0.136		
									50	23.05	34.29		23.403	448.9	0.226		
									75	16.16	33.73		24.756	319.9	0.322		
									100	12.97	33.70		25.413	257.4	0.395		
									125	12.07	33.94		25.774	223.1	0.456		
									150	11.36	34.15		26.069	195.0	0.509		
									200	10.36	34.35		26.387	164.8	0.601		
									250	10.14	34.48		26.542	150.1	0.682		
									300	9.76	34.53		26.646	140.3	0.758		
									400	8.30	34.48		26.841	121.7	0.895		
									500	7.24	34.47		26.989	107.7	1.018		
									600	6.29	34.47		27.118	95.5	1.128		
									700	5.77	34.49		27.200	87.7	1.228		
									800	5.17	34.49		27.273	80.8	1.322		
									1000	4.37	34.53		27.395	69.2	1.491		

A) AN ERROR OF -0.01 IN CONDUCTIVITY RATIO (0.392 PPT) HAS BEEN ASSUMED FOR THIS VALUE. THE STD READING FOR THIS DEPTH SUPPORTS THIS ASSUMPTION.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 45.0 N			116 10.5 W			11/08/72		2344 GMT			3267 M	020	16 KT	2	350 05 06		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	22.86	34.40		23.540	435.8	0.000		
									10	22.85	34.41		23.551	434.8	0.044		
									20	22.76	34.40		23.569	433.1	0.087		
									30	22.64	34.39		23.595	430.5	0.130		
									50	21.29	33.95		23.638	426.5	0.216		
									75	15.62	33.53		24.724	322.9	0.310		
									100	13.96	33.49		25.050	291.9	0.388		
									125	12.52	33.57		25.401	258.5	0.457		
									150	11.41	33.84		25.819	218.7	0.518		
									200	10.92	34.36		26.312	172.0	0.618		
									250	10.18	34.41		26.481	155.9	0.702		
									300	9.64	34.45		26.603	144.3	0.780		
									400	8.52	34.48		26.807	125.0	0.921		
									500	7.38	34.47		26.969	109.6	1.046		
									600	6.61	34.50		27.099	97.2	1.158		
									700	5.85	34.48		27.183	89.4	1.261		
									800	5.18	34.50		27.280	80.1	1.355		
									1000	4.35	34.54		27.405	68.3	1.523		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140100

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 25.0 N			116 47.0 W			11/08/72		1738 GMT			4313 M	020	14 KT	1	340 06 06		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	21.67	34.08		23.632	427.0	0.000		
									10	21.66	34.08		23.635	426.7	0.043		
									20	21.66	34.09		23.643	426.0	0.085		
									30	21.66	34.10		23.650	425.3	0.128		
									50	21.03	34.11		23.830	408.1	0.212		
									75	16.04	33.59		24.676	327.5	0.304		
									100	13.74	33.53		25.127	284.6	0.381		
									125	12.02	33.61		25.528	246.5	0.448		
									150	11.38	33.92		25.887	212.3	0.506		
									200	10.42	34.30		26.354	168.0	0.604		
									250	10.58	34.58		26.543	150.0	0.686		
									300	10.01	34.59		26.650	139.9	0.761		
									400	8.18	34.45		26.836	122.2	0.899		
									500	7.23	34.45		26.975	109.1	1.022		
									600	6.38	34.46		27.099	97.3	1.134		
									700	5.65	34.48		27.207	87.0	1.235		
									800	5.06	34.51		27.302	78.1	1.326		
									1000	4.33	34.55		27.416	67.3	1.491		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140100

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 25.0 N			116 47.0 W			11/08/72		1932 GMT			4313 M	020	14 KT	1	340 06 06		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	21.74	34.113	5.19	0.22	2.	0.00	0.1	426.5	0	21.74	34.113	5.19	23.638	426.5	0.000		
11	21.71	34.112	5.22	0.24	1.	0.00	0.0	425.7	10	21.71	34.112	5.22	23.645	425.8	0.043		
30	21.71	34.116	5.22	0.20	0.	0.00	0.0	475.5	20	21.71	34.114	5.22	23.647	425.6	0.085		
55	20.98	34.051	5.40	0.22	2.	0.00	0.1	411.1	30	21.71	34.116	5.22	23.649	425.5	0.128		
69	16.18	33.643	5.89	0.25	2.	0.00	0.0	326.7	50	21.13	34.064	5.36	23.769	414.0	0.212		
84	15.30	33.624	5.64	0.26	1.	0.00	0.0	309.3	75	15.83	33.635	5.82	24.758	319.7	0.304		
99	14.01	33.576	5.61	0.36	3.	0.02	0.1	286.6	100	13.92	33.573	5.60	25.122	285.1	0.381		
128	12.00	33.634	4.75	0.83	9.	0.03	8.0	244.3	125	12.16	33.615	4.90	25.504	248.7	0.448		
152	11.39	33.972	2.91	1.67	19.	0.00	17.9	208.7	150	11.42	33.942	3.06	25.896	211.4	0.506		
176	11.01	34.188	2.05	2.09	29.	0.00	23.1	186.2	200	10.58	34.263	1.81	26.297	173.3	0.604		
210	10.43	34.280	1.77	2.28	33.	0.00	25.3	169.6	250	10.52	34.477	0.87	26.474	156.6	0.689		
274	10.63	34.582	0.33	2.79	40.	0.00	28.4	150.7	300	10.26	34.578	0.34	26.598	144.8	0.768		
371	8.87	34.463	0.38	2.90	52.	0.00	30.1	131.4	400	8.45	34.450	0.34	26.794	126.2	0.910		
468	7.62	34.442	0.24	3.10	63.	0.00	34.2	114.9	500	7.29	34.444	0.23	26.962	110.3	1.036		
599	6.42	34.460	0.19	3.27	77.	0.00	36.6	97.8	600	6.41	34.460	0.19	27.094	97.7	1.149		
750	5.38	34.485	0.21	3.38	95.	0.00	40.6	83.5	700	5.68	34.477	0.20	27.201	87.7	1.250		
894	4.72	34.505	0.33	3.42	108.	0.00	42.7	74.7	800	5.13	34.492	0.24	27.280	80.1	1.343		
1097	3.98	34.536	0.58	3.41	119.	0.00	45.7	64.8	1000	4.31	34.521	0.45	27.395	69.2	1.512		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

140120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
21 45.0 N			118 0.0 W			11/08/72		0604 GMT			3737 M	020	11 KT				
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	22.76	34.45		23.607	429.5	0.000		
									10	22.76	34.50		23.644	425.9	0.043		
									20	22.76	34.51		23.652	425.1	0.085		
									30	22.75	34.51		23.655	424.8	0.128		
									50	22.75	34.52		23.662	424.1	0.213		
									75	16.75	33.68		24.581	336.5	0.309		
									100	15.35	33.63		24.861	309.9	0.390		
									125	13.23	33.63		25.307	267.4	0.463		
									150	11.47	33.81		25.785	222.0	0.525		
									200	11.05	34.39		26.311	172.0	0.626		
									250	10.25	34.47		26.515	152.6	0.709		
									300	10.09	34.60		26.644	140.4	0.786		
									400	8.74	34.55		26.828	123.0	0.924		
									500	7.48	34.51		26.986	108.0	1.048		
									600	6.50	34.49		27.106	96.6	1.159		
									700	5.66	34.47		27.198	87.9	1.260		
									800	5.03	34.49		27.269	79.2	1.352		
									1000	4.20	34.56		27.437	65.2	1.516		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150025

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
23 9.5 N			111 0.0 W			11/11/72		0014 GMT			1623 M	290	06 KT	1	290 04 08		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	27.39	34.42		22.178	566.0	0.000		
									10	27.37	34.43		22.192	564.6	0.057		
									20	27.19	34.49		22.295	554.8	0.113		
									30	26.55	34.67		22.634	522.4	0.167		
									50	23.24	34.39		23.423	447.0	0.264		
									75	16.12	33.76		24.788	316.8	0.360		
									100	13.49	33.71		25.317	266.5	0.433		
									125	12.74	34.06		25.737	226.6	0.496		
									150	12.45	34.37		26.033	198.4	0.550		
									200	11.42	34.55		26.368	166.6	0.643		
									250	10.51	34.55		26.532	151.0	0.725		
									300	10.24	34.61		26.626	142.1	0.801		
									400	8.76	34.53		26.809	124.8	0.942		
									500	7.55	34.50		26.968	109.7	1.067		
									600	6.63	34.50		27.097	97.5	1.179		
									700	5.57	34.50		27.233	84.6	1.279		
									800	4.99	34.51		27.310	77.3	1.369		
									1000	4.20	34.56		27.437	65.2	1.531		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150025

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
23 9.5 N			111 0.0 W			11/11/72		0100 GMT			1623 M	290	06 KT	1	290 04 08		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	27.37	34.432	4.72	0.25	2.	0.01	0.0	564.5	0	27.37	34.432	4.72	22.194	564.5	0.000		
11	27.34	34.432	4.71	0.23	1.	0.01	0.0	563.6	10	27.34	34.432	4.71	22.203	563.7	0.056		
31	26.59	34.260U	4.40	0.28	0.	0.01	0.0		20	27.15	34.536	4.56	22.344	550.2	0.112		
56	23.35	34.410	4.89	0.41	3.	0.16	0.1	448.5	30	26.66	34.653	4.41	22.586	527.0	0.166		
71	18.41	33.964	5.24	0.45	3.	0.09	0.7	353.9	50	24.54	34.538	4.72	23.152	472.9	0.266		
85	15.27	33.789	4.76	0.54	3.	0.21	2.4	296.6	75	17.34	33.896	5.15	24.608	334.0	0.368		
100	14.18	33.723	4.12	0.87	8.	0.04	5.8	279.2	100	14.18	33.723	4.12	25.184	279.2	0.445		
130	12.75	33.994A	2.41	1.79	19.	0.01	18.2	231.6	125	12.91	33.923	2.70	25.596	239.9	0.511		
154	12.46	34.385	1.38	2.37	26.	0.00	23.6	197.5	150	12.50	34.327	1.53	25.990	202.5	0.567		
179	11.62	34.420	0.75	2.42	32.	0.00	24.8	179.7	200	11.37	34.511	0.63	26.347	168.6	0.662		
214	11.29	34.567	0.55	2.69	36.	0.00	27.0	163.1	250	10.78	34.555	0.53	26.488	155.2	0.745		
276	10.37	34.549	0.51	2.78	40.	0.00	28.2	148.8	300	10.02	34.547	0.45	26.614	143.3	0.823		
373	9.08	34.540	0.27	2.99	51.	0.00	28.3	128.9	400	8.76	34.530	0.24	26.809	124.8	0.964		
468	8.00	34.505	0.20	3.14	63.	0.00	31.7	115.6	500	7.65	34.502	0.21	26.955	110.9	1.090		
599	6.65	34.503	0.28	3.32	79.	0.00	33.3	97.5	600	6.64	34.503	0.28	27.098	97.4	1.203		
748	5.36	34.496	0.28	3.43	100.	0.00	40.0	82.5	700	5.74	34.496	0.28	27.209	86.9	1.304		
894	4.47	34.537	0.35	3.48	113.	0.00	41.9	69.7	800	5.00	34.509	0.30	27.309	77.4	1.395		
1098	3.98	34.549	0.56	3.43	123.	0.00	44.8	63.8	1000	4.11	34.528	0.44	27.422	66.7	1.558		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150030

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
23 2.0 N			111 20.0 W			11/11/72		0330 GMT			2790 M	290	07 KT				
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	25.86	34.52		22.737	512.6	0.000		
									10	25.78	34.52		22.762	510.2	0.051		
									20	25.01	34.49		22.975	489.8	0.101		
									30	24.12	34.35		23.136	474.4	0.150		
									50	22.26	34.19		23.552	434.7	0.241		
									75	17.96	33.89		24.453	348.7	0.339		
									100	16.53	34.55		25.299	268.2	0.417		
									125	14.00	34.40		25.743	226.0	0.480		
									150	12.81	34.53		26.086	193.4	0.533		
									200	11.68	34.58		26.343	169.0	0.626		
									250	10.60	34.60		26.555	148.9	0.708		
									300	9.92	34.59		26.666	138.4	0.783		
									400	8.69	34.54		26.828	123.0	0.920		
									500	7.40	34.49		26.982	108.4	1.044		
									600	6.56	34.50		27.106	96.6	1.155		
									700	5.80	34.49		27.197	88.0	1.256		
									800	5.24	34.51		27.281	80.1	1.350		
									1000	4.34	34.54		27.407	68.1	1.517		

A) AN ERROR OF -0.01 IN CONDUCTIVITY RATIO (0.392 PPT) HAS BEEN ASSUMED FOR THIS VALUE. THE STD READING FOR THIS DEPTH SUPPORTS THIS ASSUMPTION.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 42.0 N			111 57.0 W			11/12/72		0844 GMT		3545 M	330	12 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	26.15	34.51							0	26.15	34.51		22.639	521.9	0.000	
10	26.15	34.52							10	26.15	34.52		22.647	521.2	0.052	
20	26.15	34.52							20	26.15	34.52		22.647	521.2	0.104	
30	24.90	34.47							30	24.90	34.47		22.993	488.1	0.155	
50	22.83	34.25							50	22.83	34.25		23.435	445.8	0.249	
75	18.66	34.11							75	18.66	34.11		24.448	349.3	0.349	
100	16.07	34.35							100	16.07	34.35		25.251	272.7	0.427	
125	13.54	34.24							125	13.54	34.24		25.715	228.7	0.490	
150	13.02	34.58							150	13.02	34.58		26.083	193.7	0.544	
200	11.36	34.59							200	11.36	34.59		26.410	162.6	0.635	
250	10.78	34.63							250	10.78	34.63		26.547	149.7	0.716	
300	10.44	34.66							300	10.44	34.66		26.630	141.8	0.792	
400	9.06	34.58							400	9.06	34.58		26.800	125.6	0.933	
500	7.86	34.53							500	7.86	34.53		26.946	111.8	1.060	
600	6.77	34.49							600	6.77	34.49		27.070	100.0	1.175	
700	6.05	34.51							700	6.05	34.51		27.181	89.5	1.279	
800	5.37	34.51							800	5.37	34.51		27.265	81.5	1.374	
1000	4.32	34.55							1000	4.32	34.55		27.416	67.2	1.543	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 22.0 N			112 35.0 W			11/11/72		1417 GMT		3489 M	330	11 KT	2	320 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	25.54	34.42							0	25.54	34.42		22.760	510.3	0.000	
10	25.55	34.43							10	25.55	34.43		22.765	509.9	0.051	
20	25.55	34.43							20	25.55	34.43		22.765	509.9	0.102	
30	25.55	34.44							30	25.55	34.44		22.772	509.2	0.153	
50	23.06	34.33							50	23.06	34.33		23.430	446.3	0.249	
75	16.59	33.77							75	16.59	33.77		24.688	326.4	0.346	
100	13.71	33.91							100	13.71	33.91		25.426	256.2	0.420	
125	13.61	34.47							125	13.61	34.47		25.878	213.2	0.479	
150	12.70	34.56							150	12.70	34.56		26.131	189.1	0.530	
200	10.79	34.45							200	10.79	34.45		26.405	163.1	0.620	
250	10.31	34.48							250	10.31	34.48		26.513	152.9	0.702	
300	9.61	34.47							300	9.61	34.47		26.624	142.3	0.779	
400	8.54	34.50							400	8.54	34.50		26.820	123.8	0.918	
500	7.60	34.49							500	7.60	34.49		26.953	111.1	1.044	
600	6.63	34.46							600	6.63	34.46		27.065	100.5	1.156	
700	5.98	34.48							700	5.98	34.48		27.166	90.9	1.263	
800	5.37	34.50							800	5.37	34.50		27.257	82.3	1.359	
1000	4.39	34.54							1000	4.39	34.54		27.401	68.7	1.530	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 1.5 N			113 12.0 W			11/11/72		1958 GMT		3545 M	340	09 KT	1	340 03 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	23.71	34.35							0	23.71	34.35		23.257	462.9	0.000	
10	23.65	34.36							10	23.65	34.36		23.282	460.5	0.046	
20	23.64	34.36							20	23.64	34.36		23.285	460.2	0.092	
30	23.64	34.37							30	23.64	34.37		23.292	459.5	0.138	
50	21.84	34.15							50	21.84	34.15		23.639	426.4	0.227	
75	15.69	33.79							75	15.69	33.79		24.908	305.4	0.319	
100	12.20	33.77							100	12.20	33.77		25.617	238.0	0.388	
125	11.75	34.04							125	11.75	34.04		25.911	210.0	0.444	
150	11.13	34.16							150	11.13	34.16		26.119	190.3	0.495	
200	10.54	34.50							200	10.54	34.50		26.488	155.2	0.584	
250	10.85	34.63							250	10.85	34.63		26.534	150.9	0.663	
300	10.18	34.66							300	10.18	34.66		26.675	137.5	0.738	
400	8.73	34.54							400	8.73	34.54		26.821	123.6	0.875	
500	7.66	34.51							500	7.66	34.51		26.960	110.4	1.001	
600	6.68	34.49							600	6.68	34.49		27.082	98.9	1.114	
700	5.95	34.49							700	5.95	34.49		27.178	89.8	1.218	
800	5.32	34.50							800	5.32	34.50		27.263	81.7	1.313	
1000	4.37	34.54							1000	4.37	34.54		27.403	68.5	1.483	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 1.5 N			113 12.0 W			11/11/72		2106 GMT		3545 M	340	09 KT	1	340 03 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	23.71	34.351	5.04	0.29	3.	0.01	0.0	462.8	0	23.71	34.351	5.04	23.257	462.8	0.000	
10	23.66	34.353	5.11	0.25	2.	0.00	0.0	461.3	10	23.66	34.353	5.11	23.274	461.3	0.046	
20	23.65	34.367	5.11	0.27	0.	0.00	0.0	460.0	20	23.65	34.367	5.11	23.281	460.6	0.092	
30	20.90	34.135	5.44	0.25	3.	0.00	0.0	403.0	30	23.60	34.366	5.12	23.299	458.8	0.158	
50	17.78	33.859	5.40	0.36	2.	0.03	0.0	346.8	50	21.57	34.193	5.39	23.747	416.1	0.226	
75	15.70	33.942	4.03	0.95	6.	0.24	7.8	294.5	75	16.76	33.894	4.76	24.743	321.1	0.319	
98	13.15	33.775	4.05	1.07	11.	0.05	10.7	255.3	100	12.96	33.779	3.99	25.476	251.4	0.391	
127	11.70	33.998	2.84	1.70	20.	0.01	18.2	212.2	125	11.71	33.972	2.95	25.866	214.3	0.450	
151	11.25	34.260	1.82	2.23	27.	0.00	22.9	185.0	150	11.26	34.250	1.86	26.164	186.0	0.501	
176	10.91	34.392	1.33	2.42	35.	0.00	25.1	169.4	200	10.55	34.433	1.11	26.435	160.3	0.589	
211	10.40	34.442	1.04	2.58	38.	0.00	27.0	157.2	250	10.33	34.565	0.56	26.575	147.0	0.669	
273	10.29	34.621	0.29	2.89	42.	0.00	27.2	142.1	300	10.05	34.631	0.25	26.674	137.5	0.743	
371	9.19	34.580	0.15	3.06	54.	0.00	27.3	127.6	400	8.82	34.563	0.20	26.824	123.3	0.880	
468	7.99	34.526	0.32	3.16	61.	0.00	32.8	113.9	500	7.66	34.513	0.30	26.963	110.2	1.005	
600	6.75	34.487	0.20	3.30	73.	0.00	35.4	100.0	600	6.75	34.487	0.20	27.070	100.0	1.119	
750	5.62	34.487	0.26	3.38	92.	0.00	41.1	86.1	700	5.96	34.483	0.23	27.171	90.4	1.223	
897	4.91	34.513	0.26	3.45	104.	0.00	43.1	76.2	800	5.35	34.495	0.26	27.255	82.5	1.319	
1100	3.98	34.542	0.56	3.43	120.	0.00	46.6	64.4	1000	4.43	34.529	0.37	27.388	69.9	1.492	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
21	41.0 N	113	47.5 W	11/12/72		0134	GMT	3929	M	350		11	KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	24.04	34.36		23.167	471.4	0.000		
									10	24.02	34.36		23.173	470.9	0.047		
									20	23.48	34.27		23.263	462.2	0.094		
									30	23.35	34.26		23.294	459.3	0.140		
									50	19.77	33.66		23.822	408.9	0.227		
									75	15.52	33.67		24.854	310.6	0.318		
									100	12.86	33.70		25.435	255.3	0.389		
									125	11.71	33.90		25.810	219.6	0.449		
									150	11.13	34.09		26.064	195.5	0.502		
									200	10.36	34.32		26.380	165.5	0.594		
									250	9.89	34.46		26.569	147.5	0.674		
									300	9.75	34.57		26.679	137.2	0.749		
									400	8.39	34.51		26.851	120.8	0.884		
									500	7.38	34.50		26.993	107.3	1.006		
									600	6.55	34.50		27.108	96.5	1.117		
									700	5.83	34.47		27.177	89.9	1.219		
									800	5.16	34.49		27.272	80.9	1.313		
									1000	4.34	34.55		27.414	67.4	1.481		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
21	20.0 N	114	26.0 W	11/12/72		0837	GMT	3172	M	310		10	KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.36	34.21		23.253	463.2	0.000		
									10	23.36	34.21		23.253	463.2	0.046		
									20	23.36	34.22		23.260	462.5	0.093		
									30	23.36	34.23		23.268	461.8	0.139		
									50	17.99	33.80		24.377	356.0	0.221		
									75	14.73	33.62		24.988	297.8	0.303		
									100	12.93	33.80		25.498	249.3	0.372		
									125	12.47	34.22		25.913	209.8	0.430		
									150	11.24	34.32		26.223	180.4	0.480		
									200	11.04	34.56		26.445	159.3	0.567		
									250	10.17	34.51		26.560	148.4	0.646		
									300	9.38	34.49		26.678	137.2	0.721		
									400	8.16	34.45		26.839	122.0	0.857		
									500	7.19	34.46		26.988	107.8	0.979		
									600	6.45	34.49		27.113	96.0	1.089		
									700	5.74	34.49		27.204	87.3	1.190		
									800	5.20	34.50		27.278	80.4	1.283		
									1000	4.39	34.54		27.401	68.7	1.452		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
21	4.0 N	115	3.5 W	11/12/72		1339	GMT	3739	M	350		11	KT	2		350 OR 08	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.78	34.40		23.274	461.2	0.000		
									10	23.79	34.41		23.279	460.8	0.046		
									20	23.79	34.42		23.286	460.1	0.092		
									30	23.79	34.42		23.286	460.1	0.138		
									50	20.58	34.04		23.898	401.7	0.225		
									75	15.05	33.65		24.942	302.2	0.313		
									100	13.54	33.95		25.491	249.9	0.383		
									125	12.90	34.28		25.875	213.5	0.442		
									150	12.28	34.39		26.081	193.8	0.493		
									200	11.61	34.51		26.302	172.9	0.587		
									250	10.33	34.52		26.540	150.3	0.671		
									300	10.06	34.60		26.649	139.9	0.746		
									400	8.37	34.47		26.823	123.5	0.885		
									500	7.44	34.49		26.976	108.9	1.009		
									600	6.33	34.47		27.113	96.0	1.120		
									700	5.70	34.50		27.217	86.1	1.219		
									800	5.04	34.50		27.296	78.6	1.311		
									1000	4.23	34.55		27.426	66.3	1.474		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
20	41.0 N	115	40.0 W	11/12/72		1843	GMT	3739	M	010		10	KT	2		330 OR 08	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	24.21	34.26		23.041	483.5	0.000		
									10	24.21	34.27		23.049	482.7	0.048		
									20	24.21	34.27		23.049	482.7	0.097		
									30	24.19	34.27		23.055	482.2	0.145		
									50	21.75	34.11		23.633	426.9	0.236		
									75	17.02	33.79		24.602	334.5	0.332		
									100	13.70	33.79		25.335	264.8	0.407		
									125	12.85	34.16		25.792	221.3	0.469		
									150	12.60	34.50		26.104	191.7	0.521		
									200	11.42	34.62		26.422	161.5	0.612		
									250	10.72	34.64		26.565	147.9	0.692		
									300	10.14	34.64		26.667	138.3	0.766		
									400	8.81	34.56		26.824	123.3	0.904		
									500	7.87	34.52		26.937	112.6	1.031		
									600	6.64	34.50		27.095	97.6	1.145		
									700	5.91	34.51		27.199	87.8	1.246		
									800	5.35	34.51		27.268	81.3	1.341		
									1000	4.46	34.55		27.401	68.6	1.510		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150110

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 21.0 N			116 16.0 W			11/12/72		2326 GMT		3739 M	050	12 KT	1	350 06 07		
Z	T	S	OZ	P04	SI03	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	24.05	34.17		23.021	485.4	0.000	
									10	23.93	34.18		23.064	481.3	0.048	
									20	23.40	34.14		23.188	469.4	0.096	
									30	22.77	34.19		23.407	448.5	0.142	
									50	21.46	34.15		23.743	416.4	0.229	
									75	18.26	34.06		24.509	343.4	0.324	
									100	15.21	33.89		25.091	288.0	0.404	
									125	13.51	34.24		25.721	228.1	0.469	
									150	13.06	34.56		26.059	195.9	0.523	
									200	12.04	34.68		26.352	168.1	0.616	
									250	11.29	34.67		26.485	155.5	0.700	
									300	10.53	34.65		26.606	144.0	0.778	
									400	9.12	34.58		26.790	126.6	0.921	
									500	7.72	34.51		26.951	111.3	1.048	
									600	6.77	34.49		27.070	100.0	1.162	
									700	6.03	34.50		27.175	90.0	1.267	
									800	5.37	34.50		27.257	82.3	1.362	
									1000	4.41	34.55		27.407	68.1	1.533	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

150110

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 21.0 N			116 16.0 W			11/13/72		0024 GMT		3739 M	050	12 KT	1	350 06 07		
Z	T	S	OZ	P04	SI03	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	24.00	34.197	4.90	23.056	482.1	0.000	
1	24.00	34.197	4.90	0.28	3.	0.00	0.0	4*2.1	10	24.00	34.201	4.97	23.059	481.8	0.048	
11	24.00	34.201	4.98	0.26	1.	0.00	0.0	4*1.8	20	23.55	34.203	5.08	23.192	469.1	0.096	
31	22.76	34.201	5.15	0.22	0.	0.00	0.0	4*7.4	30	22.84	34.201	5.15	23.395	449.7	0.142	
55	21.12	34.165	4.80	0.44	4.	0.34	1.3	4*6.5	50	21.55	34.178	4.91	23.739	416.8	0.229	
70	19.09	34.120	4.37	0.68	5.	0.78	3.7	3*8.9	75	18.08	34.080	4.16	24.569	337.7	0.324	
85	16.22	34.022	3.76	1.01	7.	0.18	8.9	2*9.9	100	15.14	33.989	3.51	25.182	279.3	0.401	
100	15.14	33.989	3.51	1.17	11.	0.06	10.4	2*9.3	125	13.83	34.150	2.19	25.586	240.9	0.467	
129	13.68	34.195	1.93	1.87	19.	0.05	18.8	2*4.7	150	13.18	34.489	0.69	25.980	203.5	0.524	
154	13.11	34.539	0.50	2.48	26.	0.00	24.2	1*8.4	200	12.07	34.637	0.26	26.312	172.0	0.620	
178	12.49	34.592	0.38	2.62	32.	0.01	25.7	1*2.9	250	11.21	34.661	0.15	26.493	154.7	0.704	
213	11.86	34.656	0.19	2.75	35.	0.01	26.7	1*6.7	300	10.45	34.640	0.10	26.612	143.5	0.782	
277	10.76	34.646	0.12	2.85	38.	0.01	26.9	1*4.2	400	9.14	34.587	0.07	26.791	126.5	0.924	
375	9.52	34.605	0.06	2.97	50.	0.01	25.7	1*0.9	500	7.79	34.523	0.10	26.952	111.3	1.051	
472	8.10	34.536	0.10	3.15	61.	0.01	31.2	1*4.7	600	6.86	34.493	0.10	27.060	101.0	1.166	
603	6.84	34.493	0.10	3.28	74.	0.01	32.8	1*0.7	700	6.10	34.496	0.11	27.163	91.2	1.272	
752	5.75	34.503	0.12	3.45	91.	0.01	36.3	8*6.5	800	5.42	34.506	0.14	27.256	82.4	1.368	
895	4.85	34.515	0.21	3.39	105.	0.00	39.7	7*5.4	1000	4.38	34.530	0.31	27.394	69.3	1.540	
1095	4.10	34.545	0.43	3.47	120.	0.00	43.0	6*5.7								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157010

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 33.0 N			109 23.0 W			11/15/72		0106 GMT		2980 M	290	08 KT	1	290 03 05		
Z	T	S	OZ	P04	SI03	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	28.07	34.56		22.063	577.0	0.000	
									10	28.06	34.57		22.074	576.0	0.058	
									20	28.07	34.58		22.078	575.6	0.115	
									30	28.07	34.59		22.078	575.6	0.173	
									50	26.61	34.43		22.435	541.5	0.285	
									75	21.21	34.39		23.993	392.6	0.402	
									100	17.86	34.53		25.004	296.3	0.489	
									125	15.63	34.70		25.620	237.7	0.557	
									150	14.72	34.82		25.913	209.9	0.614	
									200	13.04	34.80		26.249	178.0	0.713	
									250	12.09	34.76		26.404	163.2	0.801	
									300	11.42	34.75		26.523	151.9	0.884	
									400	9.81	34.62		26.708	134.4	1.035	
									500	8.40	34.58		26.904	115.8	1.168	
									600	7.12	34.53		27.053	101.6	1.287	
									700	6.04	34.53		27.198	87.9	1.391	
									800	5.30	34.53		27.289	79.2	1.484	
									1000	4.38	34.57		27.426	66.3	1.649	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157020

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 11.0 N			110 3.0 W			11/14/72		1837 GMT		3169 M	340	10 KT	1	340 06 08		
Z	T	S	OZ	P04	SI03	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD	
									0	27.80	34.52		22.121	571.5	0.000	
									10	27.78	34.53		22.135	570.1	0.057	
									20	27.77	34.53		22.138	569.8	0.114	
									30	27.76	34.54		22.149	568.8	0.171	
									50	25.09	34.47		22.935	493.6	0.278	
									75	20.32	34.46		24.286	364.7	0.386	
									100	16.06	34.40		25.292	268.9	0.466	
									125	14.52	34.56		25.756	224.8	0.528	
									150	13.53	34.72		26.087	193.3	0.581	
									200	12.22	34.72		26.348	168.5	0.675	
									250	11.33	34.71		26.509	153.3	0.757	
									300	10.58	34.66		26.605	144.1	0.835	
									400	9.00	34.57		26.802	125.5	0.977	
									500	7.74	34.51		26.948	111.6	1.104	
									600	6.71	34.49		27.078	99.3	1.218	
									700	5.84	34.51		27.207	87.0	1.320	
									800	5.19	34.52		27.294	78.8	1.412	
									1000	4.40	34.56		27.416	67.3	1.578	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157020

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
22 11.0 N		110 3.0 W		11/14/72		1944 GMT		3169 M		340		10 KT		1		340 06 08	
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	27.77	34.520	5.00	0.24	2.	0.02	0.1	570.5	0	27.77	34.520	5.00	22.131	570.5	0.000		
10	27.74	34.515	4.73	0.26	1.	0.01	0.0	570.0	10	27.74	34.515	4.73	22.137	570.0	0.057		
30	27.68	34.510	5.88U	0.24	0.	0.02	0.0	568.5	20	27.71	34.513	4.62	22.144	569.2	0.114		
54	25.09	34.576	4.23	0.52	3.	0.28	0.9	485.9	30	27.68	34.510	4.50	22.152	568.5	0.171		
69	22.36	34.349	4.80	0.52	3.	0.29	1.0	425.9	50	25.69	34.581	4.28	22.833	503.3	0.279		
83	19.68	34.454	3.44	1.18	7.	0.14	9.4	349.1	75	21.24	34.392	4.30	23.987	393.2	0.391		
97	16.67	34.295	2.58	1.58	13.	0.04	14.2	289.9	100	16.31	34.306	2.38	25.162	281.2	0.476		
128	14.51	34.545	0.88	2.42	23.	0.03	23.8	225.7	125	14.57	34.510	1.01	25.707	229.4	0.541		
153	13.26	34.687	0.58	2.70	30.	0.02	25.0	190.5	150	13.38	34.673	0.62	26.082	193.7	0.595		
176	12.86	34.768	0.80	2.77	38.	0.05	26.1	176.9	200	12.29	34.755	0.51	26.363	167.1	0.687		
211	12.02	34.736	0.33	2.80	38.	0.04	26.8	163.7	250	11.39	34.707	0.26	26.496	154.5	0.770		
275	11.04	34.687	0.22	2.85	39.	0.01	27.9	149.9	300	10.58	34.659	0.21	26.604	144.2	0.848		
372	9.34	34.587	0.17	3.01	53.	0.00	27.5	129.4	400	9.02	34.572	0.17	26.800	125.7	0.991		
470	8.31	34.539	0.19	3.10	61.	0.00	30.8	117.5	500	7.92	34.525	0.19	26.933	113.0	1.118		
598	6.73	34.500	0.18	3.25	75.	0.00	35.3	98.8	600	6.71	34.500	0.18	27.086	98.5	1.233		
749	5.63	34.516	0.23	3.41	94.	0.01	40.3	84.1	700	5.93	34.509	0.21	27.196	88.1	1.335		
892	4.84	34.520	0.30	3.44	106.	0.01	41.2	74.9	800	5.32	34.517	0.25	27.277	80.4	1.429		
1092	4.12	34.548	0.47	3.40	118.	0.01	45.8	65.3	1000	4.40	34.533	0.38	27.395	69.3	1.599		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157030

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
21 52.0 N		110 37.0 W		11/14/72		1314 GMT		3263 M		350		08 KT		1		350 04 06	
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	26.53	34.64							0	26.53	34.64		22.618	523.9	0.000		
10	26.52	34.64							10	26.52	34.64		22.621	523.7	0.052		
20	26.54	34.65							20	26.54	34.65		22.622	523.5	0.105		
30	26.54	34.65							30	26.54	34.65		22.622	523.5	0.157		
50	24.50	34.31							50	24.50	34.31		22.993	488.1	0.259		
75	18.66	34.27							75	18.66	34.27		24.570	337.6	0.363		
100	14.62	34.14							100	14.62	34.14		25.411	257.5	0.438		
125	14.08	34.67							125	14.08	34.67		25.934	207.8	0.497		
150	13.41	34.76							150	13.41	34.76		26.143	188.0	0.547		
200	12.14	34.73							200	12.14	34.73		26.371	166.3	0.638		
250	11.51	34.73							250	11.51	34.73		26.491	154.9	0.721		
300	10.76	34.67							300	10.76	34.67		26.581	146.4	0.799		
400	9.13	34.58							400	9.13	34.58		26.789	126.7	0.943		
500	7.74	34.52							500	7.74	34.52		26.956	110.8	1.070		
600	6.82	34.51							600	6.82	34.51		27.079	99.2	1.184		
700	5.96	34.50							700	5.96	34.50		27.184	89.2	1.288		
800	5.34	34.51							800	5.34	34.51		27.269	81.2	1.383		
1000	4.40	34.54							1000	4.40	34.54		27.400	68.7	1.552		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
21 32.5 N		111 14.5 W		11/14/72		0724 GMT		3357 M		350		08 KT		1			
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	26.76	34.76							0	26.76	34.76		22.635	522.3	0.000		
10	26.76	34.77							10	26.76	34.77		22.642	521.6	0.052		
20	26.71	34.77							20	26.71	34.77		22.658	520.1	0.104		
30	26.71	34.77							30	26.71	34.77		22.658	520.1	0.156		
50	23.68	34.72							50	23.68	34.72		23.545	435.4	0.252		
75	19.95	34.72							75	19.95	34.72		24.581	336.6	0.349		
100	18.53	34.81							100	18.53	34.81		25.014	295.4	0.429		
125	17.33	34.84							125	17.33	34.84		25.331	265.1	0.500		
150	16.38	34.89							150	16.38	34.89		25.594	240.2	0.564		
200	14.48	34.88							200	14.48	34.88		26.011	200.5	0.677		
250	12.94	34.85							250	12.94	34.85		26.307	172.4	0.774		
300	11.77	34.77							300	11.77	34.77		26.473	156.7	0.859		
400	10.33	34.65							400	10.33	34.65		26.641	140.7	1.016		
500	8.80	34.57							500	8.80	34.57		26.834	122.5	1.157		
600	7.24	34.52							600	7.24	34.52		27.028	104.0	1.280		
700	5.87	34.50							700	5.87	34.50		27.196	88.1	1.385		
800	4.83	34.53							800	4.83	34.53		27.344	74.0	1.475		
1000	4.15	34.57							1000	4.15	34.57		27.451	64.0	1.632		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
21 12.5 N		111 52.0 W		11/14/72		0138 GMT		3357 M		360		13 KT					
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
	0	27.09	34.56						0	27.09	34.56		22.380	546.7	0.000		
	10	27.09	34.57						10	27.09	34.57		22.387	546.0	0.055		
	20	26.96	34.56						20	26.96	34.56		22.421	542.7	0.109		
	30	26.71	34.60						30	26.71	34.60		22.531	532.3	0.163		
	50	24.86	34.33						50	24.86	34.33		22.900	497.0	0.266		
	75	18.12	34.12						75	18.12	34.12		24.589	335.8	0.371		
	100	15.57	34.71						100	15.57	34.71		25.640	235.7	0.443		
	125	14.88	34.84						125	14.88	34.84		25.893	211.7	0.500		
	150	14.11	34.85						150	14.11	34.85		26.066	195.3	0.552		
	200	12.91	34.87						200	12.91	34.87		26.329	170.3	0.645		
	250	11.92	34.79						250	11.92	34.79		26.460	157.9	0.730		
	300	11.09	34.72						300	11.09	34.72		26.561	148.3	0.810		
	400	9.38	34.59						400	9.38	34.59		26.756	129.8	0.957		
	500	8.05	34.54						500	8.05	34.54		26.926	113.7	1.087		
	600	6.76	34.51						600	6.76	34.51		27.087	98.4	1.202		
	700	5.97	34.50						700	5.97	34.50		27.183	89.3	1.305		
	800	5.45	34.51						800	5.45	34.51		27.256	82.4	1.401		
	1000	4.47	34.55						1000	4.47	34.55		27.400	68.7	1.570		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 52.0 N			112 29.0 W			11/13/72		1927 GMT		3737 M	360	05 KT	1	350 06 15		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	25.10	34.45		22.917	495.3	0.000	
									10	24.93	34.46		22.976	489.7	0.049	
									20	24.92	34.46		22.980	489.4	0.098	
									30	24.90	34.47		22.993	488.1	0.147	
									50	22.99	34.09		23.269	461.7	0.243	
									75	17.30	33.87		24.597	335.0	0.343	
									100	13.09	34.00		25.621	237.6	0.475	
									125	12.84	34.38		25.964	205.0	0.471	
									150	11.76	34.34		26.142	188.1	0.521	
									200	11.80	34.74		26.444	159.4	0.610	
									250	11.03	34.70		26.556	148.8	0.690	
									300	10.48	34.67		26.631	141.7	0.765	
									400	9.25	34.60		26.785	127.1	0.907	
									500	7.94	34.54		26.942	112.1	1.035	
									600	6.99	34.52		27.063	100.7	1.151	
									700	6.16	34.52		27.175	90.1	1.256	
									800	5.59	34.52		27.246	83.3	1.352	
									1000	4.71	34.56		27.382	70.5	1.527	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 52.0 N			112 29.0 W			11/13/72		2041 GMT		3737 M	360	05 KT	1	350 06 15		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	25.16	34.474	4.85	0.44	2.	0.02	0.0	495.3	0	25.16	34.474	4.85	22.917	495.3	0.000	
11	24.94	34.471	4.93	0.36	1.	0.00	0.0	489.1	10	24.96	34.471	4.92	22.977	489.6	0.045	
31	24.93	34.472	4.93	0.27	2.	0.01	0.0	488.8	20	24.94	34.472	4.93	22.983	489.0	0.098	
56	21.68	34.256	5.29	0.45	3.	0.11	0.4	414.5	30	24.93	34.472	4.93	22.985	488.8	0.147	
71	18.77	34.199	3.90U	0.96	5.	0.55	6.9	345.4	50	22.72	34.309	5.25	23.513	438.4	0.240	
85	15.91	33.968	4.03	0.97	8.	0.22	7.2	297.1	75	17.94	34.127	4.63	24.639	331.0	0.337	
99	13.52	33.999A	2.99	1.50	14.	0.03	15.0	245.9	100	13.50	34.025	2.91	25.557	243.6	0.409	
127	12.89		1.30	2.31	24.	0.00	24.0		125	12.93	34.360	1.38	25.931	208.2	0.467	
152	11.64	34.348A	1.23	2.32	30.	0.01	24.1	185.4	150	11.73	34.352	1.23	26.157	186.7	0.517	
175	12.23	34.715A	0.14	2.72	33.	0.00	26.4	149.0	200	11.85	34.746	0.13	26.439	159.9	0.606	
210	11.70	34.725A	0.12	2.76	34.	0.28	26.4	158.7								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
22 48.0 N			108 55.0 W			11/15/72		0613 GMT		3169 M	270	03 KT		270 01 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	27.90	34.53		22.096	573.9	0.000	
									10	27.90	34.53		22.096	573.9	0.057	
									20	27.91	34.54		22.100	573.5	0.115	
									30	27.88	34.55		22.117	571.8	0.172	
									50	26.75	34.35		22.330	551.5	0.285	
									75	21.97	34.50		23.867	404.6	0.405	
									100	19.97	34.58		24.469	347.2	0.500	
									125	17.98	34.65		25.028	294.0	0.581	
									150	16.24	34.71		25.488	250.2	0.650	
									200	13.45	34.82		26.181	184.4	0.761	
									250	12.57	34.83		26.365	166.9	0.852	
									300	11.87	34.79		26.470	157.0	0.936	
									400	10.23	34.67		26.675	137.5	1.092	
									500	8.71	34.59		26.864	119.6	1.229	
									600	7.20	34.54		27.050	101.9	1.350	
									700	6.32	34.52		27.154	92.1	1.457	
									800	5.57	34.53		27.257	82.3	1.554	
									1000	4.49	34.57		27.414	67.4	1.724	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

157070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
23 3.0 N			108 26.5 W			11/15/72		1121 GMT		2602 M	030	10 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	27.83	34.55		22.133	570.3	0.000	
									10	27.85	34.55		22.127	570.9	0.057	
									20	27.85	34.56		22.135	570.2	0.114	
									30	27.84	34.56		22.138	569.9	0.171	
									50	26.42	34.56		22.592	526.4	0.281	
									75	22.37	34.74		23.937	398.0	0.397	
									100	19.01	34.69		24.801	315.6	0.487	
									125	16.57	34.66		25.373	261.1	0.560	
									150	14.34	34.62		25.841	216.7	0.621	
									200	13.16	34.84		26.255	177.3	0.722	
									250	12.14	34.81		26.434	160.4	0.809	
									300	11.38	34.74		26.523	151.9	0.891	
									400	9.96	34.65		26.705	134.6	1.042	
									500	8.49	34.58		26.890	117.1	1.177	
									600	7.36	34.53		27.019	104.9	1.297	
									700	6.48	34.52		27.133	94.1	1.407	
									800	5.67	34.50		27.221	85.7	1.507	
									1000	4.47	34.56		27.408	68.0	1.681	

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

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

1576070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 3.0 N		108 26.5 W		11/15/72		1213 GMT		2602 M		030		10 KT					
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	27.89	34.544	4.60	0.23	1.	0.02	0.1	572.6	0	27.89	34.544	4.60	22.110	572.6	0.000		
10	27.86	34.550	4.54	0.23	0.	0.01	0.0	571.2	10	27.86	34.550	4.54	22.124	571.2	0.057		
30	27.86	34.547	4.66	0.22	2.	0.02	0.0	571.4	20	27.86	34.549	4.62	22.123	571.3	0.114		
54	24.75	34.649	3.86	0.67	2.	0.40	0.9	470.9	30	27.86	34.547	4.66	22.121	571.4	0.172		
69	22.99	34.681	2.95	1.14	6.	0.10	9.7	419.1	50	25.37	34.626	4.06	22.966	490.7	0.278		
84	21.32	34.770	2.46	1.49	12.	0.04	13.5	368.0	75	22.31	34.722	2.71	23.938	397.8	0.390		
99	19.68	34.721	2.34	1.69	14.	0.03	14.8	329.8	100	19.58	34.722	2.31	24.680	327.2	0.481		
128	16.93	34.761	1.27	2.28	20.	0.02	22.1	261.8	125	17.20	34.757	1.40	25.300	268.1	0.557		
153	14.74	34.644	0.42	2.56	26.	0.01	25.6	223.1	150	14.97	34.656	0.50	25.732	227.0	0.620		
177	13.74	34.746	1.44	2.66	30.	0.01	26.3	195.5	200	13.16	34.816	0.65	26.237	179.1	0.723		
211	12.95	34.837	0.70	2.78	36.	0.00	27.2	173.5	250	12.16	34.819	0.46	26.437	160.1	0.811		
275	11.71	34.778	0.27	2.82	42.	0.02	27.9	155.0	300	11.33	34.752	0.27	26.542	150.1	0.892		
373	10.28	34.671	0.28	2.94	45.	0.73	24.9	138.3	400	9.82	34.641	0.30	26.721	133.1	1.042		
470	8.70	34.579	0.35	3.11	57.	0.02	30.3	120.3	500	8.33	34.566	0.31	26.903	115.9	1.175		
601	7.31	34.541	0.18	3.27	74.	0.00	34.4	103.4	600	7.32	34.541	0.18	27.034	103.5	1.294		
750	6.03	34.516	0.40	3.41	88.	0.00	39.5	88.8	700	6.43	34.522	0.32	27.141	93.3	1.402		
895	5.06	34.521	0.36	3.47	102.	0.00	43.4	77.2	800	5.67	34.515	0.39	27.233	84.6	1.501		
1095	4.06	34.556	0.53	3.44	127.	0.00	46.1	64.1	1000	4.49	34.536	0.42	27.388	69.9	1.677		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

1576100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 18.0 N		107 59.0 W		11/15/72		1613 GMT		2602 M		030		12 KT		1		030 02 03	
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	27.60	34.60							0	27.60	34.60		22.246	559.5	0.000		
10	27.60	34.61							10	27.60	34.61		22.253	558.8	0.056		
20	27.59	34.62							20	27.59	34.62		22.264	557.8	0.112		
30	27.42	34.74							30	27.42	34.74		22.409	543.9	0.167		
50	26.81	34.89							50	26.81	34.89		22.717	514.5	0.273		
75	19.30	34.18							75	19.30	34.18		24.339	359.6	0.383		
100	15.51	34.16							100	15.51	34.16		25.232	274.6	0.463		
125	14.44	34.45							125	14.44	34.45		25.689	231.2	0.527		
150	13.64	34.71							150	13.64	34.71		26.057	196.2	0.581		
200	12.48	34.79							200	12.48	34.79		26.352	168.1	0.675		
250	11.77	34.77							250	11.77	34.77		26.473	156.7	0.759		
300	11.25	34.74							300	11.25	34.74		26.547	149.7	0.839		
400	9.98	34.64							400	9.98	34.64		26.694	135.7	0.989		
500	8.56	34.57							500	8.56	34.57		26.871	118.9	1.126		
600	7.40	34.52							600	7.40	34.52		27.006	106.1	1.248		
700	6.28	34.52							700	6.28	34.52		27.159	91.6	1.356		
800	5.30	34.51							800	5.30	34.51		27.273	80.8	1.452		
1000	4.25	34.59							1000	4.25	34.59		27.456	63.5	1.616		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

1576130

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 33.5 N		107 31.0 W		11/15/72		2221 GMT		929 M		320		10 KT		1		360 01 03	
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	27.88	34.55							0	27.88	34.55		22.117	571.8	0.000		
10	27.87	34.55							10	27.87	34.55		22.121	571.5	0.057		
20	27.76	34.58							20	27.76	34.58		22.179	565.9	0.114		
30	27.21	34.69							30	27.21	34.69		22.439	541.0	0.170		
50	26.53	34.96							50	26.53	34.96		22.858	501.0	0.274		
75	20.23	34.47							75	20.23	34.47		24.317	361.7	0.383		
100	16.67	34.44							100	16.67	34.44		25.182	279.4	0.463		
125	14.12	34.53							125	14.12	34.53		25.818	218.9	0.526		
150	13.85	34.85							150	13.85	34.85		26.121	190.1	0.579		
200	12.59	34.78							200	12.59	34.78		26.323	170.9	0.671		
250	11.99	34.80							250	11.99	34.80		26.454	158.4	0.756		
300	11.37	34.76							300	11.37	34.76		26.540	150.3	0.837		
400	9.92	34.65							400	9.92	34.65		26.712	134.0	0.987		
500	8.32	34.58							500	8.32	34.58		26.916	114.6	1.120		
600	6.85	34.53							600	6.85	34.53		27.091	98.1	1.236		
700	6.14	34.52							700	6.14	34.52		27.177	89.9	1.339		
800	5.58	34.53							800	5.58	34.53		27.256	82.4	1.435		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

1576150

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
23 43.0 N		107 12.0 W		11/16/72		0122 GMT		93 M		320		14 KT					
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	27.67	34.50							0	27.67	34.50		22.148	568.9	0.000		
10	27.67	34.50							10	27.67	34.50		22.148	568.9	0.057		
20	27.66	34.52							20	27.66	34.52		22.166	567.1	0.114		
30	27.61	34.53							30	27.61	34.53		22.190	564.9	0.170		
50	23.94	34.57							50	23.94	34.57		23.355	453.5	0.273		
75	20.71	34.51							75	20.71	34.51		24.220	371.0	0.376		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

1576150

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER	
----------	--	-----------	--	-----------	--	----------------	--	--------	--	------	--	-------	--	---------	--

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10 METER DATA

						Z	T	S	02	DT
10.005	09/29/72	2252GMT	48 05.0N	125 37.0W	BOTTOM 175M WIND 070 5KT WEATHER 1 DOMINANT WAVES	10	11.10	32.024		347.4
10.015	09/30/72	0450GMT	47 45.0N	126 29.5W	BOTTOM 2220M WIND 360 3KT WEATHER DOMINANT WAVES	10	13.71	31.90		403.6
10.025	09/30/72	1252GMT	47 25.0N	127 19.0W	BOTTOM 2495M WIND 210 4KT WEATHER DOMINANT WAVES	10	14.17	32.01		404.5
10.030	09/30/72	1550GMT	47 14.0N	127 44.5W	BOTTOM 2671M WIND 250 6KT WEATHER 2 DOMINANT WAVES 270 8 10	10	15.05	32.20		408.2
10.035	09/30/72	1843GMT	47 06.0N	128 10.0W	BOTTOM 2690M WIND 240 9KT WEATHER 2 DOMINANT WAVES 270 8 7	10	15.08	32.34		398.6
10.040	09/30/72	2220GMT	46 55.0N	128 35.0W	BOTTOM 2724M WIND 240 12KT WEATHER 1 DOMINANT WAVES 270 10 6	10	15.18	32.30		403.6
10.045	10/01/72	0106GMT	46 45.0N	129 02.0W	BOTTOM 3430M WIND 240 16KT WEATHER 2 DOMINANT WAVES 270 8 6	10	15.50	32.27		412.5
10.050	10/01/72	0525GMT	46 34.0N	129 28.5W	BOTTOM 2462M WIND 310 6KT WEATHER DOMINANT WAVES	10	15.74	32.43		405.8
10.055	10/01/72	0830GMT	46 25.0N	129 51.5W	BOTTOM 2652M WIND 320 5KT WEATHER DOMINANT WAVES	10	15.52	32.27		412.9
10.060	10/01/72	1110GMT	46 15.5N	130 17.5W	BOTTOM 1980M WIND 270 5KT WEATHER 2 DOMINANT WAVES	10	15.53	32.30		410.9
20.015	10/08/72	2350GMT	46 01.5N	125 12.0W	BOTTOM 1710M WIND 020 14KT WEATHER DOMINANT WAVES 300 4 9	10	13.43	30.97		466.6
20.020	10/09/72	0247GMT	45 51.5N	125 40.5W	BOTTOM 2185M WIND 080 9KT WEATHER 2 DOMINANT WAVES 070 4 8	10	12.96	30.52		490.9
20.025	10/09/72	0532GMT	45 42.0N	126 03.5W	BOTTOM 2534M WIND 280 4KT WEATHER DOMINANT WAVES	10	14.63	31.96		417.3
20.030	10/09/72	0822GMT	45 32.0N	126 27.0W	BOTTOM 2703M WIND 280 4KT WEATHER DOMINANT WAVES	10	13.93	31.88		409.3
20.035	10/09/72	1145GMT	45 20.5N	126 51.5W	BOTTOM 2841M WIND 010 21KT WEATHER DOMINANT WAVES	10	13.46	31.75		409.8
20.045	10/09/72	1850GMT	45 02.0N	127 42.0W	BOTTOM 2883M WIND 200 19KT WEATHER 2 DOMINANT WAVES 030 4 8	10	15.38	31.79		445.1
20.050	10/04/72	0005GMT	44 51.5N	128 04.0W	BOTTOM 2860M WIND 020 32KT WEATHER 1 DOMINANT WAVES 020 8	10	16.04	31.69		466.3
20.055	10/03/72	1958GMT	44 41.0N	128 28.0W	BOTTOM 2826M WIND 020 25KT WEATHER 1 DOMINANT WAVES 020 8 6	10	16.15	31.621		473.6
20.060	10/03/72	1607GMT	44 32.0N	128 53.5W	BOTTOM 2822M WIND 030 25KT WEATHER 1 DOMINANT WAVES 020 6 6	10	16.14	31.78		461.8
20.065	10/03/72	1220GMT	44 22.0N	129 17.5W	BOTTOM 2667M WIND 010 24KT WEATHER 1 DOMINANT WAVES	10	16.52	31.75		472.2
20.070	10/03/72	0900GMT	44 11.0N	129 41.0W	BOTTOM 2690M WIND 030 18KT WEATHER 1 DOMINANT WAVES	10	16.46	32.06		448.3
20.090	10/02/72	2050GMT	43 30.0N	131 16.0W	BOTTOM 3447M WIND 270 5KT WEATHER 1 DOMINANT WAVES 290 4 14	10	16.96	32.69		413.3
20.100	10/02/72	1605GMT	43 09.5N	132 07.0W	BOTTOM 3660M WIND 220 4KT WEATHER DOMINANT WAVES	10	16.56	32.76		399.4
30.030	10/26/72	2325GMT	43 46.5N	125 08.5W	BOTTOM 2288M WIND 050 7KT WEATHER 1 DOMINANT WAVES 350 8 5	10	12.32	32.623		324.5

						Z	T	S	02	DT
30.035	10/26/72	2028GMT	43 37.5N	125 31.0W		10	12.38	32.399		342.1
	BOTTOM	3053M	WIND 020	8KT	WEATHER 1					
	DOMINANT	WAVES	340	6	7					
30.040	10/26/72	1737GMT	43 27.5N	125 54.5W		10	12.72	32.227		360.9
	BOTTOM	3045M	WIND 040	12KT	WEATHER 1					
	DOMINANT	WAVES	340	7	6					
30.045	10/26/72	1440GMT	43 18.0N	126 20.5W		10	14.01	32.439		369.9
	BOTTOM	2690M	WIND 010	14KT	WEATHER 1					
	DOMINANT	WAVES	340	18	7					
30.055	10/26/72	0715GMT	42 54.5N	127 06.5W		10	13.16	32.581		343.1
	BOTTOM	2815M	WIND 350	18KT	WEATHER 1					
	DOMINANT	WAVES								
30.060	10/26/72	0405GMT	42 44.5N	127 30.0W		10	15.05	32.334		398.4
	BOTTOM	2785M	WIND 350	26KT	WEATHER 0					
	DOMINANT	WAVES								
30.065	10/26/72	0106GMT	42 36.0N	127 48.0W		10	15.13	32.289		403.4
	BOTTOM	2860M	WIND 360	24KT	WEATHER 2					
	DOMINANT	WAVES	010	6	6					
30.070	10/25/72	2153GMT	42 26.0N	128 18.0W		10	15.30	32.244		410.2
	BOTTOM	3106M	WIND 010	22KT	WEATHER 2					
	DOMINANT	WAVES	010	6	6					
40.038	10/30/72	1105GMT	41 47.0N	124 28.0W		10	10.70	33.471		233.9
	BOTTOM	205M	WIND 030	5KT	WEATHER					
	DOMINANT	WAVES								
40.045	10/30/72	1604GMT	41 35.0N	124 59.0W		10	12.67	33.160		291.4
	BOTTOM	1023M	WIND 030	9KT	WEATHER 2					
	DOMINANT	WAVES	350	3	7					
40.050	10/30/72	1910GMT	41 23.5N	125 25.0W		10	12.60	32.938		306.5
	BOTTOM	3093M	WIND 020	10KT	WEATHER 2					
	DOMINANT	WAVES	020	3	4					
40.055	10/30/72	2210GMT	41 13.0N	125 43.0W		10	12.70	32.957		306.9
	BOTTOM	3072M	WIND 020	12KT	WEATHER 2					
	DOMINANT	WAVES	350	6	5					
40.065	10/31/72	0455GMT	40 52.0N	126 32.5W		10	13.24	32.923		319.5
	BOTTOM	3106M	WIND 360	14KT	WEATHER 0					
	DOMINANT	WAVES								
40.080	10/31/72	1453GMT	40 25.0N	127 42.5W		10	13.40	32.925		322.4
	BOTTOM	1387M	WIND 330	2KT	WEATHER 1					
	DOMINANT	WAVES	350	1	5					
40.100	11/01/72	0303GMT	39 42.5N	129 09.5W		10	15.82	32.931		370.9
	BOTTOM	4474M	WIND 220	13KT	WEATHER					
	DOMINANT	WAVES								
40.120	11/01/72	1412GMT	39 03.0N	130 39.0W		10	16.23	33.063		370.1
	BOTTOM	4483M	WIND 270	14KT	WEATHER 2					
	DOMINANT	WAVES								
40.180	11/02/72	1339GMT	37 00.5N	134 46.0W		10	17.91	33.445		379.9
	BOTTOM	5065M	WIND 230	12KT	WEATHER 1					
	DOMINANT	WAVES								
50.047	11/08/72	1242GMT	39 43.0N	123 55.0W		10	12.78	33.266		285.7
	BOTTOM	119M	WIND 030	2KT	WEATHER 1					
	DOMINANT	WAVES								
50.055	11/08/72	0704GMT	39 30.0N	124 30.0W		10	12.89	32.905		314.2
	BOTTOM	2222M	WIND 320	2KT	WEATHER 0					
	DOMINANT	WAVES								
50.060	11/08/72	0409GMT	39 20.0N	124 51.5W		10	13.00	32.874		318.6
	BOTTOM	2973M	WIND 340	4KT	WEATHER 0					
	DOMINANT	WAVES								
50.065	11/08/72	0128GMT	39 11.0N	125 14.0W		10	13.45	32.925		323.4
	BOTTOM	3201M	WIND 330	7KT	WEATHER 5					
	DOMINANT	WAVES	290	5	5					
50.070	11/07/72	2239GMT	39 01.0N	125 37.0W		10	13.44	32.949		321.4
	BOTTOM	4034M	WIND 310	15KT	WEATHER 1					
	DOMINANT	WAVES	310	4	4					
50.090	11/07/72	1140GMT	38 20.0N	127 04.5W		10	13.81	32.831		337.2
	BOTTOM	4493M	WIND 310	4KT	WEATHER 0					
	DOMINANT	WAVES								
50.100	11/07/72	0604GMT	38 01.5N	127 49.0W		10	15.27	32.958		357.3
	BOTTOM	4493M	WIND 310	9KT	WEATHER 0					
	DOMINANT	WAVES								
60.050	11/10/72	1904GMT	37 57.5N	122 53.0W		10	14.28	33.253		315.6
	BOTTOM	43M	WIND 240	3KT	WEATHER 1					
	DOMINANT	WAVES	270	1	4					

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10 METER DATA

					Z	T	S	02	DT
60.052	11/10/72	2005GMT	37 53.5N	123 02.0W	10	14.17	33.295		310.3
		BOTTOM	79M	WIND 190					
		DOMINANT WAVES	280 3 4	5KT WEATHER 1					
60.055	11/10/72	2214GMT	37 47.0N	123 15.0W	10	14.84	33.243		327.6
		BOTTOM	127M	WIND 210					
		DOMINANT WAVES	090 10 8	11KT WEATHER 1					
60.065	11/11/72	0520GMT	37 27.0N	123 58.0W	10	13.62	32.948		325.0
		BOTTOM	3645M	WIND 290					
		DOMINANT WAVES		19KT WEATHER					
60.070	11/11/72	0835GMT	37 14.0N	124 18.0W	10	13.78	32.955		327.5
		BOTTOM	3959M	WIND 320					
		DOMINANT WAVES		23KT WEATHER 0					
60.090	11/11/72	1815GMT	36 39.0N	125 45.5W	10	14.04	33.025		327.5
		BOTTOM	4398M	WIND 320					
		DOMINANT WAVES	330 20 5	20KT WEATHER 1					
60.100	11/11/72	2325GMT	36 17.0N	126 29.0W	10	14.26	32.887		342.0
		BOTTOM	4498M	WIND 310					
		DOMINANT WAVES	320 25 8	20KT WEATHER 1					
70.051	11/14/72	1435GMT	36 11.0N	121 44.0W	10	13.49	33.299		297.4
		BOTTOM	545M	WIND 120					
		DOMINANT WAVES	250 8 5	3KT WEATHER 2					
70.053	11/14/72	1305GMT	36 06.5N	121 54.0W	10	13.46	33.301		296.0
		BOTTOM	1064M	WIND 120					
		DOMINANT WAVES		3KT WEATHER 6					
70.065	11/14/72	0416GMT	35 43.0N	122 44.5W	10	14.99	33.434		316.8
		BOTTOM	2973M	WIND 210					
		DOMINANT WAVES		15KT WEATHER 2					
70.070	11/14/72	0115GMT	35 33.0N	123 06.0W	10	15.61	33.440		327.3
		BOTTOM	3824M	WIND 210					
		DOMINANT WAVES	220 15 7	11KT WEATHER 2					
70.080	11/13/72	2034GMT	35 12.5N	123 46.5W	10	14.22	33.018		331.6
		BOTTOM	4078M	WIND 230					
		DOMINANT WAVES	310 8 7	11KT WEATHER 2					
80.051	11/15/72	0516GMT	34 26.0N	120 32.5W	10	14.79	33.459		310.8
		BOTTOM	214M	WIND 180					
		DOMINANT WAVES		5KT WEATHER					
80.052	11/15/72	0605GMT	34 24.5N	120 36.5W	10	14.90	33.462		312.9
		BOTTOM	307M	WIND 190					
		DOMINANT WAVES		4KT WEATHER 1					
80.055	11/15/72	0740GMT	34 19.0N	120 47.5W	10	14.12	33.462		297.1
		BOTTOM	741M	WIND 230					
		DOMINANT WAVES		5KT WEATHER 1					

RV DAVID STARK JORDAN

CALCOFI CRUISE 7210

10 METER DATA

					Z	T	S	02	DT
90.028	09/26/72	0130GMT	33 28.5N	117 47.0W	10	20.04	33.631		417.7
		BOTTOM	408M	WIND 310					
		DOMINANT WAVES	310 5 6	5KT WEATHER 1					
90.032	09/26/72	0502GMT	33 20.5N	118 03.0W	10	21.54	33.780		445.3
		BOTTOM	741M	WIND 340					
		DOMINANT WAVES	300 3 6	2KT WEATHER					
90.045	09/26/72	1633GMT	32 54.5N	118 55.5W	10	18.80	33.633		387.2
		BOTTOM	1756M	WIND					
		DOMINANT WAVES	140 2 6	0KT WEATHER 0					
90.053	09/26/72	2139GMT	32 40.0N	119 29.0W	10	18.09	33.573		374.8
		BOTTOM	1664M	WIND 320					
		DOMINANT WAVES	320 4 6	10KT WEATHER 1					
90.060	09/27/72	0144GMT	32 25.0N	119 56.5W	10	18.28	33.508		384.0
		BOTTOM	929M	WIND 310					
		DOMINANT WAVES	330 3 5	7KT WEATHER 1					
90.080	09/27/72	1220GMT	31 44.5N	121 19.5W	10	17.82	33.282		389.7
		BOTTOM	3737M	WIND 310					
		DOMINANT WAVES	330 2 6	4KT WEATHER 5					
90.090	09/27/72	1747GMT	31 24.0N	122 01.0W	10	19.57	33.477		417.2
		BOTTOM	3926M	WIND					
		DOMINANT WAVES	280 2 6	0KT WEATHER 1					
90.100	09/27/72	2318GMT	31 05.0N	122 39.0W	10	18.94	33.325		413.0
		BOTTOM	4116M	WIND 350					
		DOMINANT WAVES	330 1 6	2KT WEATHER 1					

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

10 METER DATA

						Z	T	S	02	DT
90.140	09/28/72	1725GMT	29 45.0N	125 20.0W		10	20.09			
	BOTTOM	4688M	WIND 090	4KT	WEATHER 1					
	DOMINANT WAVES	330	4	12						
100.029	10/13/72	2006GMT	31 42.0N	116 43.5W		10	17.43	33.531		362.7
	BOTTOM	112M	WIND 330	12KT	WEATHER 0					
	DOMINANT WAVES	340	2	4						
100.030	10/13/72	1848GMT	31 40.5N	116 46.5W		10	18.73	33.554		391.3
	BOTTOM	427M	WIND 330	12KT	WEATHER 0					
	DOMINANT WAVES	340	2	4						
100.035	10/13/72	1600GMT	31 30.0N	117 07.0W		10	19.32	33.614		401.2
	BOTTOM	1110M	WIND 340	14KT	WEATHER 1					
	DOMINANT WAVES	330	1	6						
100.050	10/13/72	0414GMT	30 55.0N	118 07.0W		10	20.04	33.690		413.4
	BOTTOM	1763M	WIND		0KT	WEATHER 1				
	DOMINANT WAVES									
100.060	10/13/72	0016GMT	30 40.5N	118 47.5W		10	20.34	33.789		413.8
	BOTTOM	2885M	WIND		0KT	WEATHER 1				
	DOMINANT WAVES	320	3	12						
100.070	10/12/72	1908GMT	30 20.5N	119 27.5W		10	19.84	33.666		410.2
	BOTTOM	3357M	WIND		0KT	WEATHER 1				
	DOMINANT WAVES	210	2	6						
100.090	10/12/72	0820GMT	29 40.5N	120 47.0W		10	19.18	33.324		413.8
	BOTTOM	4116M	WIND 100	6KT	WEATHER					
	DOMINANT WAVES									
100.100	10/12/72	0349GMT	29 19.5N	121 25.0W		10	19.98	33.593		419.0
	BOTTOM	4308M	WIND 180	8KT	WEATHER					
	DOMINANT WAVES									
100.140	10/11/72	0752GMT	29 00.0N	124 04.0W		10	20.34	33.795		413.3
	BOTTOM	4313M	WIND 180	3KT	WEATHER 1					
	DOMINANT WAVES									
110.032	10/17/72	1710GMT	29 51.0N	115 50.0W		10	18.84	33.609		389.9
	BOTTOM	37M	WIND 140	3KT	WEATHER 1					
	DOMINANT WAVES	320	1	5						
110.035	10/17/72	1922GMT	29 46.0N	116 00.0W		10	20.40	33.663		424.4
	BOTTOM	1373M	WIND 310	2KT	WEATHER					
	DOMINANT WAVES	320	2	6						
110.040	10/17/72	2251GMT	29 36.5N	116 19.5W		10	20.87			
	BOTTOM	2227M	WIND 340	19KT	WEATHER 1					
	DOMINANT WAVES	340	3	6						
110.045	10/16/72	0148GMT	29 26.5N	116 39.0W		10	20.93	33.773		430.0
	BOTTOM	966M	WIND 340	16KT	WEATHER 1					
	DOMINANT WAVES	340	4	6						
110.050	10/18/72	0453GMT	29 16.5N	116 59.0W		10	20.94	33.796		423.4
	BOTTOM	3737M	WIND 350	18KT	WEATHER					
	DOMINANT WAVES	320	3	6						
110.055	10/18/72	0726GMT	29 06.5N	117 19.0W		10	20.75	33.659		433.6
	BOTTOM	3545M	WIND 350	18KT	WEATHER 1					
	DOMINANT WAVES	320	3	6						
110.060	10/18/72	1239GMT	28 56.5N	117 39.0W		10	21.32	33.819		436.7
	BOTTOM	3641M	WIND 350	15KT	WEATHER					
	DOMINANT WAVES									
110.070	10/18/72	1750GMT	28 36.5N	118 18.0W		10	21.36	33.910		438.4
	BOTTOM	3357M	WIND 050	9KT	WEATHER 5					
	DOMINANT WAVES	010	3	6						
120.024	10/20/72	2155GMT	28 24.0N	114 10.5W		10	21.91	33.884		447.5
	BOTTOM	35M	WIND 320	9KT	WEATHER 1					
	DOMINANT WAVES	320	2	3						
120.025	10/20/72	2100GMT	28 22.5N	114 15.5W		10	21.61	33.812		444.8
	BOTTOM	62M	WIND 320	10KT	WEATHER 1					
	DOMINANT WAVES	320	2	3						
120.030	10/20/72	1752GMT	28 13.0N	114 34.0W		10	21.62	33.852		442.2
	BOTTOM	93M	WIND 320	10KT	WEATHER 1					
	DOMINANT WAVES	320	2	3						
120.035	10/20/72	1530GMT	28 03.0N	114 54.0W		10	21.51	33.820		441.6
	BOTTOM	84M	WIND 330	6KT	WEATHER 1					
	DOMINANT WAVES	330	2	4						
120.040	10/20/72	1323GMT	27 56.5N	115 14.0W		10	23.51	33.495		519.0
	BOTTOM	39M	WIND 320	15KT	WEATHER 1					
	DOMINANT WAVES	320	3	4						
120.045	10/20/72	1024GMT	27 43.0N	115 33.0W		10	22.30	33.784		465.1
	BOTTOM	1856M	WIND 330	15KT	WEATHER 1					
	DOMINANT WAVES	320	4	6						

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

10 METER DATA

			Z	T	S	02	DT
120.060	10/19/72 2325GMT 27 13.0N 116 30.0W BOTTOM 3737M WIND 320 16KT WEATHER 1 DOMINANT WAVES 320 4 5		10	21.38	33.725		445.1
120.070	10/19/72 1743GMT 26 53.0N 117 10.0W BOTTOM 3926M WIND 320 17KT WEATHER 1 DOMINANT WAVES 320 3 6		10	21.33	33.788		439.2
130.028	10/21/72 1528GMT 26 33.5N 113 21.0W BOTTOM 56M WIND 010 13KT WEATHER 1 DOMINANT WAVES 010 2 2		10	25.54	34.761		485.8
130.030	10/21/72 1544GMT 26 29.0N 113 29.0W BOTTOM 78M WIND 010 11KT WEATHER 1 DOMINANT WAVES 010 2 3		10	25.53	34.785		483.8
130.035	10/21/72 1758GMT 26 19.0N 113 48.0W BOTTOM 705M WIND 360 13KT WEATHER DOMINANT WAVES 360 4 4		10	25.38	34.699		485.6
130.050	10/22/72 0304GMT 25 49.0N 114 45.0W BOTTOM 3737M WIND 350 14KT WEATHER 0 DOMINANT WAVES 340 4 5		10	25.39	34.715		484.7
130.060	10/22/72 1505GMT 25 29.0N 115 25.0W BOTTOM 3926M WIND 350 10KT WEATHER 1 DOMINANT WAVES 350 3 5		10	24.53	34.577		469.7
130.080	10/23/72 0213GMT 24 49.0N 116 40.5W BOTTOM 4116M WIND 020 14KT WEATHER 1 DOMINANT WAVES 010 3 5		10	22.21	34.505		410.6
130.090	10/23/72 0700GMT 24 29.0N 117 17.5W BOTTOM 4121M WIND 320 13KT WEATHER 1 DOMINANT WAVES 010 4 6		10	22.00	33.995		441.9
140.030	11/10/72 0927GMT 24 45.5N 112 24.0W BOTTOM 112M WIND 330 8KT WEATHER 1 DOMINANT WAVES		10	26.01	34.620		509.8
140.035	11/10/72 0657GMT 24 35.5N 112 42.5W BOTTOM 1114M WIND 340 10KT WEATHER 1 DOMINANT WAVES		10	25.30	34.705		482.8
140.045	11/10/72 0100GMT 24 13.0N 113 20.0W BOTTOM 3451M WIND 360 11KT WEATHER DOMINANT WAVES 360 3 4		10	25.01	34.681		476.1
140.050	11/09/72 2228GMT 24 05.5N 113 39.5W BOTTOM 3169M WIND 360 13KT WEATHER DOMINANT WAVES 360 4 6		10	25.19	34.688		480.8
140.056	11/09/72 1901GMT 23 55.0N 114 03.0W BOTTOM 3737M WIND 360 14KT WEATHER 1 DOMINANT WAVES 360 5 6		10	25.57	34.755		487.1
140.070	11/09/72 1046GMT 23 26.5N 114 55.5W BOTTOM 3926M WIND 010 17KT WEATHER DOMINANT WAVES		10	25.56	34.723		499.1
140.080	11/09/72 0523GMT 23 05.0N 115 33.0W BOTTOM 4121M WIND 020 16KT WEATHER DOMINANT WAVES		10	23.15	34.315		449.9
140.090	11/08/72 2354GMT 22 45.0N 116 10.5W BOTTOM 3267M WIND 020 16KT WEATHER 2 DOMINANT WAVES 350 5 6		10	22.82	34.414		433.7
140.120	11/08/72 0646GMT 21 45.0N 118 00.0W BOTTOM 3737M WIND 020 11KT WEATHER DOMINANT WAVES		10	22.76	34.497		426.1
150.019	11/10/72 2125GMT 23 23.5N 110 39.0W BOTTOM 223M WIND 290 7KT WEATHER 2 DOMINANT WAVES 290 3 6		10	26.76	34.512		540.1
150.030	11/11/72 0404GMT 23 02.0N 111 20.0W BOTTOM 2790M WIND 290 7KT WEATHER DOMINANT WAVES		10	25.81	34.531		510.3
150.035	11/11/72 0631GMT 22 52.0N 111 38.0W BOTTOM 3357M WIND 310 10KT WEATHER DOMINANT WAVES		10	26.05	34.507		512.1
150.040	11/11/72 0931GMT 22 42.0N 111 57.0W BOTTOM 3545M WIND 330 12KT WEATHER DOMINANT WAVES		10	26.19	34.535		521.3
150.045	11/11/72 1207GMT 22 31.5N 112 16.0W BOTTOM 3357M WIND 320 11KT WEATHER DOMINANT WAVES		10	25.69	34.510		508.2
150.050	11/11/72 1451GMT 22 22.0N 112 35.0W BOTTOM 3489M WIND 350 11KT WEATHER 2 DOMINANT WAVES 320 3 6		10	25.54	34.436		509.2

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

10 METER DATA

					Z	T	S	02	DT
150.055	11/11/72	1732GMT	22 12.0N	112 53.0W	10	25.23	34.436		500.1
	BOTTOM	3545M	WIND 340	10KT WEATHER 2					
	DOMINANT	WAVES 340	2 5						
150.070	11/12/72	0209GMT	21 41.0N	113 47.5W	10	24.06	34.392		469.7
	BOTTOM	3929M	WIND 350	11KT WEATHER					
	DOMINANT	WAVES							
150.080	11/12/72	0920GMT	21 20.0N	114 26.0W	10	23.39	34.229		462.7
	BOTTOM	3172M	WIND 310	10KT WEATHER					
	DOMINANT	WAVES							
150.090	11/12/72	1412GMT	21 04.0N	115 03.5W	10	23.75	34.406		460.0
	BOTTOM	3739M	WIND 350	11KT WEATHER 2					
	DOMINANT	WAVES 350	8 8						
150.100	11/12/72	1927GMT	20 41.0N	115 40.0W	10	24.20	34.277		482.0
	BOTTOM	3739M	WIND 010	10KT WEATHER 2					
	DOMINANT	WAVES 330	6 8						
157.010	11/15/72	0139GMT	22 33.0N	109 23.0W	10	28.07	34.569		576.4
	BOTTOM	2980M	WIND 290	8KT WEATHER 1					
	DOMINANT	WAVES 290	3 5						
157.015	11/14/72	2300GMT	22 23.5N	109 42.5W	10	27.42	34.603		553.8
	BOTTOM	3169M	WIND 290	12KT WEATHER					
	DOMINANT	WAVES 290	4 6						
157.025	11/14/72	1608GMT	22 02.5N	110 19.0W	10	27.22	34.527		553.1
	BOTTOM	3263M	WIND 340	10KT WEATHER 1					
	DOMINANT	WAVES 340	6 8						
157.030	11/14/72	1349GMT	21 52.0N	110 37.0W	10	26.55	34.632		525.1
	BOTTOM	3263M	WIND 350	8KT WEATHER 1					
	DOMINANT	WAVES 350	4 6						
157.035	11/14/72	1059GMT	21 42.0N	110 56.0W	10	26.62	34.596		529.8
	BOTTOM	2980M	WIND 360	6KT WEATHER					
	DOMINANT	WAVES							
157.040	11/14/72	0811GMT	21 32.5N	111 14.5W	10	26.72	34.746		522.1
	BOTTOM	3357M	WIND 350	8KT WEATHER					
	DOMINANT	WAVES							
157.045	11/14/72	0447GMT	21 23.0N	111 33.0W	10	26.78	34.711		526.4
	BOTTOM	3169M	WIND 360	10KT WEATHER					
	DOMINANT	WAVES							
157.050	11/14/72	0212GMT	21 12.5N	111 52.0W	10	27.10	34.565		546.7
	BOTTOM	3357M	WIND 360	13KT WEATHER					
	DOMINANT	WAVES							
157.055	11/13/72	2327GMT	21 02.0N	112 10.5W	10	27.09	34.659		539.6
	BOTTOM	3739M	WIND 360	10KT WEATHER 2					
	DOMINANT	WAVES 350	4 6						
1576.025	11/15/72	0348GMT	22 40.5N	109 09.0W	10	28.06	34.553		577.2
	BOTTOM	2980M	WIND 290	1KT WEATHER					
	DOMINANT	WAVES							
1576.040	11/15/72	0701GMT	22 48.0N	108 55.0W	10	27.98	34.533		576.2
	BOTTOM	3169M	WIND 270	3KT WEATHER					
	DOMINANT	WAVES 270	1 5						
1576.055	11/15/72	0909GMT	22 54.5N	108 40.5W	10	27.64	34.546		564.6
	BOTTOM	3169M	WIND 30	3KT WEATHER					
	DOMINANT	WAVES							
1576.085	11/15/72	1440GMT	23 10.5N	108 11.0W	10	27.80	34.495		573.3
	BOTTOM	2790M	WIND 030	10KT WEATHER 1					
	DOMINANT	WAVES 030	2 3						
1576.100	11/15/72	1659GMT	23 18.0N	107 59.0W	10	27.60	34.604		559.2
	BOTTOM	2602M	WIND 030	12KT WEATHER 1					
	DOMINANT	WAVES 030	2 3						
1576.115	11/15/72	2027GMT	23 25.5N	107 45.0W	10	27.40	34.605		553.0
	BOTTOM	1856M	WIND 040	7KT WEATHER					
	DOMINANT	WAVES 360	1 3						
1576.130	11/15/72	2257GMT	23 33.5N	107 31.0W	10	27.88	34.554		571.5
	BOTTOM	929M	WIND 20	KT WEATHER					
	DOMINANT	WAVES 360	3						

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46131

LATITUDE 46 1.0 N			LONGITUDE 130 59.0 W			MO/DAY/YR 10/01/72			MESSENGER TIME 1600 GMT			BOTTOM 2771 M	WIND 270	SPEED 03 KT	WEATHER 2	DOMINANT WAVES 270 06 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	15.46	32.62							0	15.46	32.62		24.062	386.0	0.000			
10	15.46	32.61							10	15.46	32.61		24.054	386.8	0.039			
20	15.46	32.61							20	15.46	32.61		24.054	386.8	0.077			
30	15.41	32.62							30	15.41	32.62		24.073	385.0	0.116			
50	10.85	32.70							50	10.85	32.70		25.036	293.3	0.184			
75	8.55	32.76							75	8.55	32.76		25.458	253.0	0.253			
100	7.84	32.80							100	7.84	32.80		25.594	240.1	0.315			
125	6.95	32.84							125	6.95	32.84		25.749	225.4	0.373			
150	6.78	33.02							150	6.78	33.02		25.913	209.8	0.428			
200	6.88	33.75							200	6.88	33.75		26.473	156.6	0.521			
250	6.32	33.85							250	6.32	33.85		26.626	142.1	0.597			
300	5.54	33.88							300	5.54	33.88		26.747	130.6	0.667			
400	4.64	33.92							400	4.64	33.92		26.883	117.8	0.795			
500	4.16	34.03							500	4.16	34.03		27.021	104.7	0.910			
600	3.94	34.16							600	3.94	34.16		27.147	92.7	1.014			
700	3.83	34.25							700	3.83	34.25		27.230	84.9	1.108			
800	3.75	34.30							800	3.75	34.30		27.278	80.4	1.197			
1000	3.33	34.42							1000	3.33	34.42		27.414	67.4	1.359			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46131

LATITUDE 46 1.0 N			LONGITUDE 130 59.0 W			MO/DAY/YR 10/01/72			MESSENGER TIME 1717 GMT			BOTTOM 2771 M	WIND 270	SPEED 03 KT	WEATHER 2	DOMINANT WAVES 270 06 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	15.46	32.62	5.93	0.40	0.	0.03	0.0	386.0	0	15.46	32.62	5.93	24.062	386.0	0.000			
10	15.46	32.62	5.92	0.41	0.	0.01	0.0	386.0	10	15.46	32.62	5.92	24.062	386.0	0.039			
30	15.33	32.63	6.07	0.40	0.	0.01	0.0	382.6	20	15.39	32.63	5.99	24.080	384.3	0.077			
60	8.92	32.76	7.16	0.72	1.	0.13	3.0	258.5	30	15.33	32.63	6.07	24.098	382.6	0.116			
80	7.92	32.78	6.71	0.96	6.	0.45	7.2	242.7	50	11.14	32.66	6.86	24.954	301.1	0.184			
95	7.42	32.78	6.58	1.10	10.	0.17	9.3	236.0	75	8.03	32.79	6.85	25.556	243.8	0.253			
111	7.10	32.86	6.31	1.18	15.	0.03	11.9	225.8	100	7.30	32.80	6.50	25.666	233.3	0.312			
141	6.82	33.31	5.78	1.46	24.	0.02	17.7	188.7	125	6.92	33.05	6.07	25.921	209.1	0.368			
166	6.90	33.59	5.24	1.59	29.	0.02	20.2	168.8	150	6.84	33.42	5.60	26.220	180.7	0.417			
196	6.90	33.82	4.30	1.82	39.	0.02	25.1	151.6	200	6.87	33.83	4.23	26.539	150.4	0.501			
231	6.56	33.86	3.86	2.01	45.	0.01	27.8	144.3	250	6.30	33.86	3.70	26.640	140.8	0.576			
301	5.56	33.86	3.29	2.32	58.	0.00	32.5	132.4	300	5.57	33.86	3.30	26.728	132.5	0.646			
410	4.54	33.91	1.91	2.84	81.	0.01	40.1	117.5	400	4.61	33.90	2.04	26.873	118.7	0.775			
519	4.10	34.02	1.12	3.15	98.	0.00	41.9	104.8	500	4.15	34.00	1.23	26.998	106.9	0.892			
655	3.86								600	3.93	34.11	0.74	27.105	96.8	0.999			
813	3.67	34.30	0.30	3.36	130.	0.01	44.6	79.6	700	3.81	34.21	0.43	27.197	88.0	1.097			
980	3.30	34.39	0.39	3.41	143.	0.01	44.6	69.4	800	3.69	34.29	0.30	27.276	80.5	1.187			
1188	2.96	34.45	0.46	3.39	153.	0.00	46.8	61.9	1000	3.27	34.40	0.40	27.401	68.7	1.350			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46133

LATITUDE 46 0.0 N			LONGITUDE 133 0.0 W			MO/DAY/YR 10/10/72			MESSENGER TIME 2049 GMT			BOTTOM 3760 M	WIND 360	SPEED 20 KT	WEATHER 1	DOMINANT WAVES 360 5 8		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	14.68	32.76							0	14.68	32.76		24.338	359.7	0.000			
10	14.68	32.76							10	14.68	32.76		24.338	359.7	0.036			
20	14.68	32.76							20	14.68	32.76		24.338	359.7	0.072			
30	14.69	32.76							30	14.69	32.76		24.336	359.9	0.108			
50	14.67	32.75							50	14.67	32.75		24.332	360.3	0.180			
75	7.43	32.82							75	7.43	32.82		25.668	233.1	0.255			
100	6.83	32.84							100	6.83	32.84		25.765	223.9	0.312			
125	6.38	32.89							125	6.38	32.89		25.865	214.6	0.367			
150	6.33	33.27							150	6.33	33.27		26.168	185.6	0.418			
200	6.51	33.88							200	6.51	33.88		26.625	142.2	0.501			
250	6.04	33.94							250	6.04	33.94		26.733	132.0	0.571			
300	5.44	33.95							300	5.44	33.95		26.814	124.3	0.637			
400	4.52	34.00							400	4.52	34.00		26.959	110.5	0.758			
500	3.99	34.10							500	3.99	34.10		27.094	97.7	0.866			
600	3.79	34.18							600	3.79	34.18		27.178	89.8	0.965			
700	3.64	34.25							700	3.64	34.25		27.249	83.1	1.056			
800	3.47	34.30							800	3.47	34.30		27.305	77.8	1.143			
1000	3.15	34.38							1000	3.15	34.38		27.399	68.8	1.302			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46135

LATITUDE 46 0.0 N			LONGITUDE 135 0.0 W			MO/DAY/YR 10/11/72			MESSENGER TIME 0640 0734 GMT			BOTTOM 3730 M	WIND 010	SPEED 11 KT	WEATHER	DOMINANT WAVES		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	15.17	32.73							0	15.17	32.73		24.210	372.0	0.000			
10	15.17	32.73							10	15.17	32.73		24.210	372.0	0.037			
20	15.17	32.73							20	15.17	32.73		24.210	372.0	0.074			
30	15.17	32.73							30	15.17	32.73		24.210	372.0	0.112			
50	15.17	32.73							50	15.17	32.73		24.210	372.0	0.186			
75	8.40	32.90							75	8.40	32.90		25.590	240.5	0.263			
100	7.38	32.86							100	7.38	32.86		25.706	229.5	0.322			
125	6.73	32.96							125	6.73	32.96		25.873	213.7	0.378			
150	6.92	33.43							150	6.92	33.43		26.217	181.0	0.428			
200	6.47	33.82							200	6.47	33.82		26.583	146.2	0.511			
250	6.06	33.91							250	6.06	33.91		26.707	134.5	0.583			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46137

LATITUDE 46 0.0 N			LONGITUDE 137 0.0 W			MO/DAY/YR 10/11/72			MESSENGER TIME 1740 GMT			BOTTOM 4246 M	WIND 60	SPEED 9 KT	WEATHER 2	DOMINANT WAVES 060 6 5		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	14.70	32.68							0	14.70	32.68		24.272	366.0	0.000			
10	14.71	32.67							10	14.70	32.67		24.265	366.7	0.037			
20	14.71	32.67							20	14.71	32.68		24.270	366.2	0.073			
30	14.71	32.68							30	14.71	32.68		24.270	366.2	0.110			
40	14.68	32.67							40	14.68	32.67		24.269	366.3	0.183			
50	8.13	32.80							50	8.13	32.80		25.552	244.1	0.260			
60	7.30	32.80							60	7.30	32.80		25.670	232.9	0.320			
75	6.78	32.97							75	6.78	32.97		25.874	213.6	0.376			
100	6.63	33.49							100	6.63	33.49		26.303	172.8	0.425			
125	6.73	33.85							125	6.73	33.85		26.572	147.2	0.506			
150	6.18	33.88							150	6.18	33.88		26.668	138.2	0.579			
200	5.45	33.88							200	5.45	33.88		26.758	129.6	0.648			
250	4.57	33.94							250	4.57	33.94		26.906	115.6	0.774			
300	4.08	34.01							300	4.08	34.01		27.014	105.4	0.889			
400	3.76	34.10							400	3.76	34.10		27.118	95.5	0.994			
500	3.56	34.18							500	3.56	34.18		27.201	87.6	1.090			
600	3.36	34.25							600	3.36	34.25		27.276	80.5	1.180			
700	3.05	34.36							700	3.05	34.36		27.392	69.5	1.343			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46137

LATITUDE 46 0.0 N			LONGITUDE 137 0.0 W			MO/DAY/YR 10/11/72			MESSENGER TIME 1800 2150 GMT			BOTTOM 4246 M	WIND 060	SPEED 09 KT	WEATHER 2	DOMINANT WAVES 060 06 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
0	14.70	32.68	6.13	0.51	1.	0.04	0.3	366.0	0	14.70	32.68	6.13	24.272	366.0	0.000			
10	14.71	32.67	6.15	0.48	0.	0.03	0.3	366.9	10	14.71	32.67	6.15	24.262	366.9	0.037			
20	14.71	32.67	6.17	0.51	0.	0.03	0.3	366.9	20	14.71	32.67	6.16	24.262	366.9	0.073			
30	9.08	32.85	7.29	0.86	3.	0.12	4.9	254.2	30	14.71	32.67	6.17	24.262	366.9	0.110			
40	7.62	32.80	6.89	1.09	13.	0.64	7.9	237.1	40	14.50	32.70	6.96	24.330	360.5	0.183			
50	7.32	32.82	6.72	1.12	13.	0.09	10.6	231.7	50	7.98	32.81	7.02	25.581	241.4	0.259			
60	6.69	32.78	6.75	1.24	18.	0.03	7.3U	226.6	60	7.12	32.80	6.73	25.696	230.4	0.318			
70	6.50	33.14	6.18	1.45	23.	0.02	15.4	197.4	70	6.60	32.91	6.55	25.854	215.5	0.374			
80	6.80	33.67	5.52	1.54	30.	0.02	19.9	161.6	80	6.60	33.34	5.94	26.189	183.6	0.424			
90	6.82	33.81	4.99	1.68	35.	0.02	21.5	151.4	90	6.77	33.82	4.87	26.544	149.9	0.509			
100	5.39	33.87	3.14	2.38	61.	0.01	25.8	142.0	100	6.08	33.87	3.82	26.671	137.9	0.582			
110	4.54	33.92	1.81	2.88	82.	0.01	38.1	116.8	110	5.40	33.87	3.15	26.756	129.8	0.651			
120	4.01	34.02	1.22	3.11	100.	0.01	40.3	103.9	120	4.60	33.91	1.92	26.882	117.9	0.779			
130	3.65	34.14	0.77	3.26	118.	0.01	43.9	91.5	130	4.10	34.00	1.30	27.002	106.5	0.895			
140	3.34	34.25	0.47	3.24	136.	0.01	43.9	80.3	140	3.79	34.09	0.94	27.105	96.7	1.001			
150	3.07	34.35	0.28	3.35	146.	0.01	44.8	70.4	150	3.57	34.17	0.69	27.190	88.7	1.099			
160	2.92	34.39	0.31	3.37	153.	0.00	44.8	66.1	160	3.38	34.24	0.50	27.262	81.8	1.190			
170	2.74	34.42	0.34	3.39	159.	0.01	44.8	62.3	170	3.06	34.35	0.28	27.387	70.0	1.354			
180	2.62	34.44	0.36	3.35	163.	0.00	44.8	59.8	180	2.73	34.42	0.34	27.471	62.1	1.500			
190	2.39	34.50	0.57	3.30	170.	0.00	45.2	53.4	190	2.36	34.50	0.60	27.567	52.9	1.695			
200	2.19	34.53	0.86	3.24	179.	0.00	44.3	49.6	200	1.93	34.59	1.43	27.666	43.5	1.977			
210	2.01	34.57	1.26	3.19	182.	0.00	42.5	45.2	210	1.85	34.59	1.58	27.680	42.3	2.105			
220	1.90	34.59	1.50	3.13	183.	0.00	42.5	42.9	220	1.72	34.62	2.01	27.713	39.1	2.229			
230	1.81	34.60	1.70	3.09	183.	0.00	41.0	41.5	230	1.63	34.63	2.38	27.729	37.6	2.349			
240	1.74	34.62	1.96	3.06	181.	0.00	39.7	39.5	240	1.57	34.64	2.69	27.741	36.5	2.465			
250	1.65	34.63	2.22	2.96	179.	0.00	41.7	38.1	250	1.53	34.66	2.84	27.754	35.2	2.580			
260	1.60	34.66	2.58	2.87	181.	0.00	39.2		260	1.51	34.67	3.03	27.766	34.1	2.694			
270	1.54	34.65	2.77	2.86	178.	0.00	38.5	35.8	270	1.51	34.67	3.15	27.766	34.1	2.807			
280	1.51	34.67	3.01	2.81	175.	0.00	38.0	34.1	280	1.52	34.67	3.18	27.766	34.1	2.922			
290	1.51	34.67	3.12	2.76	177.	0.00	36.3	34.1	290									
300	1.51	34.69	3.18	2.73	178.	0.00	36.3		300									
310	1.52	34.67	3.18	2.72	181.	0.00	38.4	34.1	310									

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46139

LATITUDE 46 2.0 N			LONGITUDE 139 0.0 W			MO/DAY/YR 10/12/72			MESSENGER TIME 0956 GMT			BOTTOM 4316 M	WIND 060	SPEED 04 KT	WEATHER 2	DOMINANT WAVES		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
	0	15.66	32.76						0	15.66	32.76		24.125	380.0	0.000			
	10	15.66	32.76						10	15.66	32.76		24.125	380.0	0.038			
	20	15.66	32.76						20	15.66	32.76		24.125	380.0	0.076			
	30	15.66	32.76						30	15.66	32.76		24.125	380.0	0.114			
	50	11.49	32.63						50	11.49	32.63		24.867	309.3	0.183			
	75	8.39	32.88						75	8.39	32.88		25.576	241.9	0.252			
	100	7.66	32.84						100	7.66	32.84		25.652	234.7	0.312			
	125	6.67	32.82						125	6.67	32.82		25.771	223.4	0.370			
	150	7.03	33.48						150	7.03	33.48		26.241	178.7	0.421			
	200	6.99	33.86						200	6.99	33.86		26.545	149.8	0.504			
	250	6.37	33.88						250	6.37	33.88		26.643	140.5	0.578			
	300	5.74	33.89						300	5.74	33.89		26.731	132.2	0.648			
	400	4.73	33.94						400	4.73	33.94		26.889	117.2	0.777			
	500	4.15	34.02						500	4.15	34.02		27.014	105.3	0.892			
	600	3.85	34.10						600	3.85	34.10		27.109	96.4	0.998			
	700	3.63	34.19						700	3.63	34.19		27.202	87.5	1.095			
	800	3.39	34.25						800	3.39	34.25		27.273	80.8	1.185			
	1000	3.06	34.36						1000	3.06	34.36		27.391	69.6	1.348			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46141

LATITUDE			LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
45 59.0 N			141 3.0 W		10/12/72	1832 GMT		4429 M		150	03 KT		010 02 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.24	32.61		24.102	382.2	0.000
									10	15.24	32.62		24.110	381.4	0.038
									20	15.22	32.62		24.114	381.0	0.076
									30	15.23	32.62		24.112	381.2	0.115
									50	9.27	32.75		25.339	264.4	0.179
									75	7.18	32.81		25.695	230.6	0.241
									100	6.67	32.84		25.786	221.9	0.298
									125	6.71	32.91		25.836	217.1	0.353
									150	6.58	33.12		26.018	199.8	0.406
									200	6.37	33.78		26.565	148.0	0.494
									250	6.01	33.85		26.666	138.4	0.567
									300	5.37	33.87		26.760	129.5	0.636
									400	4.57	33.95		26.914	114.8	0.762
									500	3.99	34.02		27.031	103.7	0.875
									600	3.69	34.10		27.125	94.8	0.979
									700	3.52	34.19		27.213	86.5	1.075
									800	3.36	34.25		27.276	80.5	1.164
									1000	3.02	34.35		27.387	70.0	1.327

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46143

LATITUDE			LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
46 0.0 N			143 0.0 W		10/13/72	0342 GMT		4569 M		110	11 KT	2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.31	32.62		24.095	382.9	0.000
									10	15.32	32.62		24.093	383.1	0.038
									20	15.33	32.62		24.090	383.3	0.077
									30	15.30	32.62		24.097	382.7	0.115
									50	13.40	32.78		24.618	333.0	0.187
									75	7.31	32.90		25.747	225.6	0.257
									100	7.16	32.98		25.831	217.7	0.313
									125	7.06	33.08		25.923	208.9	0.366
									150	7.04	33.43		26.200	182.5	0.416
									200	6.16	33.82		26.623	142.4	0.498
									250	5.94	33.87		26.690	136.0	0.569
									300	5.24	33.86		26.767	128.8	0.637
									400	4.63	33.94		26.900	116.2	0.763
									500	4.17	34.03		27.020	104.7	0.878
									600	3.79	34.12		27.130	94.3	0.982
									700	3.53	34.19		27.212	86.6	1.078
									800	3.35	34.26		27.285	79.7	1.167
									1000	2.99	34.35		27.390	69.7	1.328

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46145

LATITUDE			LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
46 0.0 N			145 4.0 W		10/13/72	1725 GMT		4732 M		10	51 KT	2	180 03 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.26	32.56		24.060	386.3	0.000
									10	15.26	32.56		24.060	386.3	0.039
									20	15.26	32.56		24.060	386.3	0.077
									30	15.26	32.56		24.060	386.3	0.116
									50	15.26	32.57		24.068	385.5	0.193
									75	6.83	32.77		25.710	229.1	0.271
									100	6.76	32.91		25.830	217.8	0.327
									125	6.70	32.96		25.877	213.3	0.381
									150	6.94	33.46		26.238	179.0	0.430
									200	6.67	33.86		26.588	145.7	0.513
									250	6.36	33.88		26.645	140.4	0.586
									300	5.66	33.87		26.725	132.8	0.656
									400	4.75	33.95		26.894	116.7	0.785
									500	4.18	34.03		27.019	104.9	0.900
									600	3.85	34.11		27.117	95.6	1.005
									700	3.62	34.18		27.195	88.2	1.102
									800	3.42	34.25		27.270	81.1	1.192
									1000	3.01	34.35		27.388	69.9	1.356

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

46145

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
46 0.0 N		145 4.0 W		10/13/72		1454 1846 GMT		4732 M		130		05 KT		2		180 03 08	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	15.24	32.58	6.10	0.39	2.	0.01	0.1	384.4	0	15.24	32.58	6.10	24.079	384.4	0.000		
10	15.25	32.58	6.05	0.43	2.	0.01	0.1	384.6	10	15.25	32.58	6.05	24.077	384.6	0.038		
30	15.24	32.58	6.38	0.38	2.	0.01	0.0	384.4	20	15.24	32.58	6.16	24.078	384.5	0.077		
55	7.90	32.81	7.15	1.04	15.	0.14	8.0	240.2	30	15.24	32.58	6.38	24.079	384.4	0.115		
70	6.62	32.81	6.93	1.20	19.	0.81	11.3	223.5	50	15.00	32.58	7.04	24.131	379.4	0.192		
85	6.68	32.67	6.88	1.10	18.	0.03	11.9	219.8	75	6.64	32.84	6.90	25.790	221.5	0.267		
101	6.81	32.94	6.82	1.10	18.	0.02	11.0	216.2	100	6.80	32.94	6.82	25.844	216.4	0.322		
131	6.51	33.03	6.73	1.14	18.	0.02	11.4	205.7	125	6.56	33.01	6.75	25.935	207.8	0.376		
156	7.08	33.71	5.80	1.43	27.	0.01	19.1	162.2	150	6.96	33.55	6.02	26.304	172.7	0.424		
181	6.58	33.80	5.82	1.44	34.	0.01	20.6	149.1	200	6.42	33.83	5.74	26.597	144.9	0.505		
215	6.34	33.84	5.62	1.58	36.	0.01	21.3	143.1	250	6.08	33.87	5.04	26.669	138.0	0.577		
279	5.84	33.88	4.43	1.95	49.	0.01	25.2	134.1	300	5.63	33.89	3.98	26.744	131.0	0.666		
378	4.88	33.93	2.53	2.56	75.	0.01	33.8	119.6	400	4.73	33.95	2.29	26.895	116.7	0.773		
476	4.30	34.01	1.72	2.80	92.	0.00	37.6	107.6	500	4.20	34.03	1.58	27.016	105.1	0.889		
610	3.83	34.11	1.12	3.12	111.	0.00	43.3	95.4	600	3.86	34.10	1.15	27.110	96.2	0.994		
910	3.19	34.31	0.55	3.31	140.	0.00	45.4	74.5	700	3.63	34.16	0.85	27.179	89.7	1.092		
930A	3.13	34.33	0.50V	3.28V	146.V	0.01V	42.8V	72.5	800	3.42	34.23	0.65	27.253	82.7	1.184		
1119	2.83	34.39	0.68V	3.29V	152.V	0.00V	45.4V	65.3	1000	3.07	34.36	0.57	27.389	69.8	1.349		
1128A	2.78	34.41	0.60	3.31	158.	0.00	42.8V	63.4	1200	2.70	34.43	0.61	27.478	61.4	1.494		
1326A	2.56	34.46	0.42U	3.31	166.	0.00	45.6	57.8	1500	2.38	34.51	0.64	27.566	53.0	1.688		
1523A	2.36	34.51	0.64	3.30	172.	0.01	45.6	52.5	2000	1.94	34.56	1.29	27.642	45.8	1.976		
1722A	2.16	34.52	0.91	3.24	178.	0.01	44.4	50.1	2250	1.81	34.60	1.66	27.669	41.4	2.106		
1919A	2.00	34.54	1.18	3.19	182.	0.01	44.4	47.4	2500	1.71	34.63	2.03	27.718	38.6	2.228		
2119A	1.87	34.58	1.46	3.08	184.	0.01	41.7	43.4	2750	1.62	34.64	2.37	27.734	37.2	2.347		
2316A	1.78	34.61	1.76	3.07	185.	0.01	40.5	40.5	3000	1.56	34.65	2.67	27.746	36.0	2.462		
2515A	1.71	34.63	2.05	2.99	180.	0.01	42.8	38.5	3250	1.52	34.66	2.91	27.757	34.9	2.576		
2716A	1.64	34.64	2.33	2.93	182.	0.01	40.4	37.2	3500	1.50	34.67	3.15	27.764	34.3	2.689		
2915A	1.56	34.64	2.57	2.87	180.	0.01	39.4	36.7	3750	1.50	34.67	3.26	27.767	34.0	2.802		
3114A	1.55	34.66	2.80	2.75	181.	0.02	39.5	35.1	4000	1.50	34.67	3.28	27.770	33.7	2.917		
3313A	1.51	34.66	2.96	2.73	177.	0.01	37.9	34.8	4250	1.52	34.68	3.31	27.774	33.3	3.032		
3613A	1.50	34.67	3.24	2.75	178.	0.01	37.5	34.6	4500	1.55	34.68	3.37	27.772	33.5	3.150		
3916A	1.50	34.67	3.28	2.72	177.	0.01	39.1	34.0									
4119A	1.51	34.68	3.28	2.69	180.	0.01	38.6	33.3									
4320A	1.52	34.68	3.33	2.71	182.	0.01	37.3	33.4									
4523A	1.55	34.68	3.38	2.71	184.	0.01	38.0	33.6									

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BUOY56)

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
42 22.0 N		157 59.0 W		10/16/72		2140 GMT		5559 M		190		05 KT				490 06 08	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	16.72	33.41		24.382	355.5	0.000		
									10	16.72	33.50		24.451	349.0	0.035		
									20	16.72	33.56		24.497	344.6	0.070		
									30	16.85	33.60		24.497	344.6	0.104		
									50	10.99	33.75		25.826	218.1	0.161		
									75	10.26	33.81		26.000	201.5	0.214		
									100	10.08	33.87		26.078	194.2	0.264		
									125	10.03	33.98		26.172	185.3	0.312		
									150	9.93	34.10		26.282	174.8	0.357		
									200	9.23	34.15		26.437	160.1	0.443		
									250	8.41	34.08		26.511	153.0	0.523		
									300	7.77	34.05		26.583	146.2	0.600		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BUOY56)

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
42 22.0 N		157 59.0 W		10/16/72		2244 GMT		5559 M		190		05 KT		1		490 06 08	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	16.73	33.50		24.448	349.2	0.000		
									10	16.75	33.55		24.482	346.0	0.035		
									20	16.75	33.55		24.482	346.0	0.069		
									30	16.88	33.63		24.513	343.0	0.104		
									50	11.34	33.83		25.824	218.3	0.160		
									75	10.35	33.83		26.000	201.5	0.213		
									100	10.03	33.85		26.071	194.9	0.263		
									125	10.18	33.96		26.131	189.2	0.312		
									150	9.90	34.08		26.272	175.8	0.358		
									200	9.33	34.16		26.428	160.9	0.444		
									250	8.45	34.06		26.490	155.1	0.525		
									300	7.78	34.03		26.566	147.8	0.603		

A) CAST 1.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BOUY56)

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
42 22.0 N		157 59.0 W		10/17/72		0304 0741		GMT	5550 M	190	05 KT	1	490 06 08		
Z	T	S	OZ	P04	SI03	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD
0	16.62	33.46	5.95	0.27	5.	0.01	0.0	349.7	0	16.62	33.46	5.95	24.443	349.7	0.000
10	16.64	33.47	5.87	0.23	5.	0.01	0.0	349.4	10	16.64	33.47	5.87	24.447	349.4	0.035
30	16.75	33.55	5.90	0.23	5.	0.00	0.0	346.0	20	16.69	33.51	5.88	24.464	347.7	0.070
55	11.24	33.76	6.92	0.35	8.	0.06	0.4	221.7	30	16.75	33.55	5.90	24.482	346.0	0.105
70	10.44	33.79	6.32	0.57	9.	0.16	4.6	206.0	50	16.00	33.63	6.77	24.715	323.7	0.238
85	10.25	33.84	6.25	0.60	10.	0.02	6.1	199.2	75	10.38	33.82	6.30	25.984	203.1	0.288
100	10.24	33.90	6.20	0.69	11.	0.01	6.7	194.6	100	10.24	33.90	6.20	26.074	194.6	0.337
131	10.06	33.99	6.00	0.77	14.	0.01	8.7	185.0	125	10.10	33.97	6.05	26.154	187.0	0.383
155	9.93	34.09	5.79	0.96	18.	0.00	12.8	175.5	150	9.96	34.07	5.84	26.253	177.5	0.470
180	9.68	34.15	5.44	1.09	22.	0.01	14.4	167.1	200	9.44	34.16	5.40	26.410	162.7	0.551
214	9.24	34.15	5.38	1.20	24.	0.00	15.9	160.3	250	8.60	34.10	5.71	26.495	154.6	0.629
277	8.11	34.05	5.94	1.36	29.	0.00	18.5	150.9	300	7.79	34.03	5.79	26.563	148.1	0.776
377	6.83	33.98	4.71	1.80	43.	0.00	22.7	138.8	400	6.51	33.97	4.32	26.695	135.6	0.910
475	5.54	33.96	3.07	2.41	67.	0.00	32.3	124.6	500	5.29	33.97	2.76	26.850	120.9	1.030
608	4.44	34.05	1.76	2.90	94.	0.00	40.1	106.0	600	4.49	34.04	1.82	26.996	107.0	1.137
762	3.80	34.17	0.92	3.14	118.	0.00	41.8	90.6	700	4.00	34.12	1.19	27.111	96.2	1.236
911	3.41	34.27	0.56	3.26	133.	0.00	42.9	79.5	800	3.69	34.20	0.80	27.202	87.5	1.411
1120	2.98	34.37	0.42	3.34	149.	0.00	46.2	68.1	1000	3.22	34.32	0.47	27.343	74.1	1.564
1179A	2.84	34.39	0.51U	3.10U	154.U	0.03U	42.8U	65.4	1200	2.80	34.40	0.42	27.444	64.6	1.765
1476A	2.42	34.48	0.44	3.29	172.	0.01	44.9	55.2	1500	2.39	34.49	0.46	27.551	54.5	2.052
1769A	2.12	34.55	0.85	3.27	177.	0.01	45.7	47.6	2000	1.97	34.58	1.26	27.662	43.9	2.180
2065A	1.93	34.59	1.38	3.09	182.	0.03	42.0	43.1	2250	1.83	34.61	1.69	27.694	40.9	2.302
2362A	1.78	34.62	1.86	2.96	182.	0.02	40.9	39.8	2500	1.72	34.63	2.02	27.719	38.5	2.420
2662A	1.66	34.64	2.19	2.92	184.	0.00	41.0	37.4	2750	1.64	34.64	2.31	27.736	36.9	2.535
2959A	1.59	34.65	2.60	2.83	176.	0.01	38.0	36.1	3000	1.58	34.65	2.65	27.746	36.0	2.649
3258A	1.53	34.66	2.91	2.80	176.	0.02	38.1	35.0	3250	1.53	34.66	2.90	27.757	35.0	2.763
3557A	1.50	34.67	3.22	2.73	173.	0.01	38.9	34.0	3500	1.50	34.67	3.17	27.765	34.2	2.875
3856A	1.49	34.68	3.36	2.64	173.	0.02	37.2	33.2	3750	1.49	34.68	3.32	27.773	33.4	2.988
4155A	1.48	34.68	3.43	2.67	171.	0.02	36.1	33.1	4000	1.49	34.68	3.40	27.776	33.1	3.102
4455A	1.52	34.68	3.49	2.64	176.	0.02	36.6	33.4	4250	1.49	34.68	3.45	27.776	33.2	3.219
4753A	1.54	34.68	3.48	2.38	176.	0.02	32.9	33.5	4500	1.52	34.68	3.49	27.774	33.5	3.338
5052A	1.59	34.68	3.49	2.64	176.	0.01	37.0	33.9	4750	1.54	34.68	3.48	27.772	33.8	3.460
5351A	1.64	34.68	3.52	2.53	174.	0.02	37.0	34.2	5000	1.58	34.68	3.49	27.769	34.1	3.586
									5250	1.62	34.68	3.51	27.766		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BOUY56)

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
42 22.0 N		157 59.0 W		10/17/72		0419		GMT	5559 M	220	07 KT				
Z	T	S	OZ	P04	SI03	N02	N03	DT	Z	T	S	OZ	SIGT	DT	DD
									0	16.79	33.55		24.473	346.9	0.000
									10	16.81	33.56		24.476	346.6	0.035
									20	16.83	33.57		24.479	346.3	0.069
									30	16.87	33.60		24.492	345.0	0.104
									50	16.32	33.65		24.658	329.2	0.172
									75	10.81	33.88		25.959	205.5	0.239
									100	10.06	33.86		26.073	194.6	0.289
									125	10.19	34.04		26.191	183.4	0.337
									150	9.92	34.07		26.260	176.8	0.383
									200	9.30	34.16		26.433	160.4	0.469
									250	8.39	34.10		26.530	151.2	0.549
									300	7.71	34.04		26.585	146.1	0.626
									400	6.42	33.98		26.716	133.6	0.771
									500	5.31	33.98		26.854	120.5	0.904
									600	4.57	34.05		26.993	107.3	1.023
									700	4.03	34.12		27.106	96.6	1.131
									800	3.70	34.21		27.211	86.7	1.229
									1000	3.22	34.34		27.361	72.5	1.402

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BUOY48)

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
41 0.5 N		148 2.0 W		10/20/72		0137 0453 GMT		5017 M	100	04 KT	6	320 08 36			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.16	33.57	5.41	0.18	3.	0.01	0.0	400.5	0	19.16	33.57	5.41	23.910	400.5	0.000
10	19.15	33.57	5.41	0.16	2.	0.00	0.0	400.2	10	19.15	33.57	5.41	23.913	400.2	0.040
30	19.10	33.66	5.45	0.17	2.	0.00	0.1	392.5	20	19.12	33.62	5.43	23.954	396.4	0.080
60	12.58	33.73	6.52	0.23	3.	0.00	0.0	247.9	30	19.10	33.66	5.45	23.994	392.5	0.119
80	10.90	33.62	5.98	0.49	4.	0.03	2.4	226.2	50	14.92	33.68	6.22	24.992	297.5	0.189
96	10.38	33.58	6.02	0.55	5.	0.01	4.2	220.5	75	11.17	33.66	6.13	25.721	228.1	0.255
112	9.98	33.54	6.08	0.60	6.	0.01	5.1	217.0	100	10.26	33.57	6.04	25.810	219.6	0.311
141	10.18	33.72	5.90	0.66	7.	0.01	5.4	206.9	125	10.07	33.61	6.00	25.873	213.6	0.366
166	10.36	34.03	5.43	0.84	13.	0.01	10.8	186.9	150	10.28	33.84	5.73	26.017	199.9	0.418
196	9.68	34.09	5.30	1.06	19.	0.01	13.8	171.5	200	9.60	34.09	5.29	26.331	170.2	0.513
230	9.05	34.08	5.25	1.18	22.	0.00	15.5	162.5	250	8.76	34.06	5.22	26.441	159.7	0.597
299	8.13	34.00	5.15	1.33	28.	0.00	18.1	154.9	300	8.12	34.00	5.14	26.493	154.8	0.678
408	6.62	33.95	3.80	1.96	49.	0.00	25.6	138.4	400	6.73	33.95	3.92	26.652	139.7	0.831
518	5.25	33.97	2.47	2.60	73.	0.00	33.6	120.6	500	5.45	33.96	2.67	26.823	123.4	0.968
655	4.22	34.05	1.48	2.98	98.	0.00	40.6	103.7	600	4.56	34.01	1.81	26.966	109.9	1.091
814	3.70	34.17	0.81	3.17	121.	0.00	42.0	89.7	700	4.03	34.08	1.25	27.077	99.4	1.202
983	3.32	34.29	0.44	3.23	137.	0.00	44.6	77.2	800	3.73	34.16	0.85	27.168	90.7	1.305
1181A	2.88	34.392	0.35	3.13U154.		0.01	45.4	65.6	1000	3.27	34.30	0.43	27.322	76.2	1.483
1191	2.88	34.38	0.36	3.32	155.	0.00	45.4	66.5	1200	2.87	34.38	0.36	27.428	66.1	1.640
1427A	2.49	34.479	0.42	3.17U169.		0.01	45.0	55.8	1500	2.40	34.51	0.50	27.570	52.7	1.842
1674A	2.22	34.572	0.75	3.03U174.		0.01	45.9	46.7	2000	1.98	34.59	1.31	27.670	43.2	2.123
1922A	2.02	34.585	1.19	3.10	181.	0.01	42.5	44.2	2250	1.84	34.62	1.66	27.703	40.1	2.249
2172A	1.89	34.615	1.56	3.03	181.	0.02	41.0	40.9	2500	1.69	34.64	1.99	27.728	37.7	2.369
2420A	1.73	34.633	1.87	2.97	186.	0.01	42.0	38.4	2750	1.60	34.66	2.32	27.748	35.8	2.484
2670A	1.62	34.651	2.23	2.89	185.	0.01	38.8	36.3	3000	1.55	34.67	2.63	27.760	34.6	2.596
2920A	1.57	34.663	2.52	2.83	179.	0.03	38.5	35.0	3250	1.50	34.67	2.94	27.770	33.7	2.706
3170A	1.51	34.672	2.86	2.87	175.	0.01	39.6	33.9	3500	1.48	34.68	3.09	27.774	33.3	2.816
3470A	1.48	34.677	3.08	2.68	175.	0.02	37.1	33.3	3750	1.48	34.68	3.12	27.775	33.2	2.927
3771A	1.48	34.686U	3.12	2.70		0.01	35.6		4000	1.49	34.68	3.19	27.776	33.1	3.039
4072A	1.49	34.681	3.22	2.65		0.02	37.2	33.1	4250	1.51	34.69	3.27	27.780	32.8	3.153
4372A	1.52	34.689	3.29	2.54	178.	0.01	36.0	32.7	4500	1.53	34.69	3.30	27.777	33.0	3.270
4623A	1.55	34.683	3.30	2.65	177.	0.01	36.9	33.4	4750	1.57	34.69	3.29	27.776	33.2	3.389
4865A	1.58	34.690	3.28	2.67	177.	0.01	38.4	33.0							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BUOY48)

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
41 0.5 N		148 2.0 W		10/20/72		0345 GMT		5017 M	350	12 KT	6	320 06 08			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.15	33.57							0	19.15	33.57		23.913	400.2	0.000
10	19.15	33.60							10	19.15	33.60		23.936	398.1	0.040
20	19.13	33.73							20	19.13	33.73		24.040	388.1	0.079
30	19.10	33.77							30	19.10	33.77		24.078	384.5	0.118
50	12.99	33.64							50	12.99	33.64		25.363	262.1	0.183
75	11.10	33.60							75	11.10	33.60		25.689	231.1	0.245
100	9.99	33.54							100	9.99	33.54		25.836	217.2	0.301
125	9.74	33.70							125	9.74	33.70		26.002	201.3	0.354
150	10.34	34.00							150	10.34	34.00		26.134	188.8	0.404
200	9.30	34.10							200	9.30	34.10		26.387	164.9	0.494
250	8.67	34.06							250	8.67	34.06		26.455	158.3	0.577
300	8.11	34.02							300	8.11	34.02		26.510	153.2	0.657
400	6.72	33.95							400	6.72	33.95		26.652	139.7	0.809
500	5.54	33.97							500	5.54	33.97		26.818	123.9	0.947
600	4.60	34.01							600	4.60	34.01		26.958	110.6	1.070
700	4.06	34.10							700	4.06	34.10		27.087	98.4	1.181
800	3.75	34.18							800	3.75	34.18		27.182	89.4	1.281
1000	3.31	34.32							1000	3.31	34.32		27.336	74.8	1.459

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39133

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
38 59.0 N		133 1.0 W		10/24/72		0214 GMT		4613 M	050	15 KT	1				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	16.99	32.95							0	16.99	32.95		23.967	395.0	0.000
10	16.99	32.95							10	16.99	32.95		23.967	395.0	0.040
20	17.00	32.95							20	17.00	32.95		23.965	395.3	0.079
30	17.00	32.95							30	17.00	32.95		23.965	395.3	0.119
50	17.01	32.95							50	17.01	32.95		23.963	395.5	0.198
75	13.64	32.84							75	13.64	32.84		24.616	333.3	0.290
100	11.19	32.90							100	11.19	32.90		25.130	284.3	0.367
125	9.93	32.88							125	9.93	32.88		25.332	265.0	0.436
150	9.09	32.99							150	9.09	32.99		25.554	243.9	0.501
200	8.27	33.49							200	8.27	33.49		26.071	194.8	0.612
250	7.70	33.82							250	7.70	33.82		26.414	162.3	0.703
300	6.90	33.88							300	6.90	33.88		26.573	147.2	0.783
400	5.69	33.93							400	5.69	33.93		26.768	128.6	0.925
500	4.99	34.04							500	4.99	34.04		26.938	112.5	1.051
600	4.42	34.11							600	4.42	34.11		27.057	101.3	1.163
700	4.27	34.21							700	4.27	34.21		27.152	92.2	1.266
800	3.98	34.29							800	3.98	34.29		27.246	83.4	1.361
1000	3.41	34.38							1000	3.41	34.38		27.374	71.2	1.530

A) CAST I.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39135

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
39 0.0 N		135 0.0 W		10/23/72		1607 GMT		4865 M		WIND 040		SPEED 08 KT		2		020 07 12	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	17.84	33.29							0	17.84	33.29		24.024	389.6	0.000		
10	17.84	33.29							10	17.84	33.29		24.024	389.6	0.039		
20	17.88	33.31							20	17.88	33.31		24.030	389.1	0.078		
30	17.79	33.34							30	17.79	33.34		24.075	384.8	0.117		
50	17.50	33.34							50	17.50	33.34		24.145	378.2	0.193		
75	14.35	33.32							75	14.35	33.32		24.838	312.1	0.280		
100	13.20	33.31							100	13.20	33.31		25.066	290.3	0.356		
125	11.55	33.30							125	11.55	33.30		25.375	261.0	0.425		
150	10.55	33.33							150	10.55	33.33		25.577	241.8	0.489		
200	9.13	33.78							200	9.13	33.78		26.164	186.0	0.598		
250	8.38	33.93							250	8.38	33.93		26.398	163.7	0.687		
300	7.58	33.95							300	7.58	33.95		26.533	151.0	0.768		
400	5.88	33.93							400	5.88	33.93		26.745	130.8	0.914		
500	5.31	34.04							500	5.31	34.04		26.901	116.1	1.043		
600	4.65	34.10							600	4.65	34.10		27.024	104.4	1.159		
700	4.24	34.19							700	4.24	34.19		27.140	93.4	1.264		
800	4.04	34.28							800	4.04	34.28		27.232	84.7	1.360		
1000	3.59	34.40							1000	3.59	34.40		27.373	71.3	1.531		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39137

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
38 59.5 N		137 0.5 W		10/23/72		0325 0745 GMT		4865 M		WIND 050		SPEED 09 KT		2		010 01 06	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	18.20	33.410	6.08	0.25	2.	0.01	0.0	389.2	0	18.20	33.410	6.08	24.028	389.2	0.000		
10	18.20	33.412	5.57	0.27	1.	0.00	0.0	389.1	10	18.20	33.412	5.57	24.030	389.1	0.039		
30	18.46	33.614	5.56	0.27	1.	0.01	0.0	380.5	20	18.35	33.510	5.56	24.067	385.6	0.078		
60	14.00	33.461	6.41	0.21	2.	0.01	0.0	294.8	30	18.46	33.614	5.56	24.120	380.5	0.116		
80	12.72	33.451	6.16	0.27	2.	0.01	0.0	271.0	50	18.00	33.600	6.15	24.222	370.8	0.191		
100	11.70	33.349	6.08	0.36	1.	0.12	0.3	260.0	75	13.04	33.452	6.25	25.208	276.9	0.273		
111	11.46	33.423	5.83	0.45	3.	0.04	2.0	250.3	100	11.70	33.349	6.08	25.385	260.0	0.341		
141	10.12	33.605	5.42	0.80	4.	0.02	8.2	214.4	125	10.85	33.502	5.59	25.658	234.1	0.403		
166	9.60	33.838	5.32	0.90	12.	0.01	12.7	188.9	150	9.89	33.694	5.37	25.972	204.2	0.458		
195	9.20	33.925	5.16	1.05	17.	0.00	14.1	176.3	200	9.14	33.937	5.15	26.286	174.4	0.555		
231	8.75	33.992	5.12	1.20	22.	0.01	16.7	164.5	250	8.50	33.998	5.03	26.433	160.4	0.641		
299	7.82	33.977	4.66	1.47	33.	0.01	21.6	152.3	300	7.80	33.977	4.65	26.521	152.1	0.721		
408	6.08	33.926	3.22	2.19	57.	0.00	31.3	133.5	400	6.21	33.929	3.34	26.703	134.9	0.870		
492A	5.04	33.942	2.29	2.58	73.	0.04	35.5	120.4	500	4.92	33.945	2.19	26.871	118.9	1.002		
518	4.66	33.953	1.98	2.72	81.	0.00	37.7	115.5	600	4.28	34.010	1.37	26.992	107.4	1.120		
657	4.02	34.065	1.14	3.05	114.U	0.00	43.6	100.6	700	3.96	34.258	1.00	27.222	85.6	1.222		
753A	3.92	34.418	0.83	3.18	111.	0.02	43.3	73.1	800	3.83	34.284	0.57	27.256	82.4	1.313		
815	3.80	34.229	0.49	3.30	123.	0.00	43.6	86.2	1000	3.36	34.361	0.37	27.363	72.2	1.482		
984	3.40	34.349	0.39	3.38	137.	0.00	44.1	73.4	1200	3.03	34.449	0.52	27.465	62.6	1.632		
1093A	3.18	34.418	0.30	3.30	146.	0.01	46.1	66.2	1500	2.53	34.538	0.82	27.580	51.7	1.828		
1194	3.04	34.447	0.51	3.38	150.	0.01	46.9	62.8	2000	1.94	34.614	1.61	27.688	41.4	2.103		
1491A	2.54	34.536	0.81	3.25	166.	0.03	44.0	51.9	2250	1.79	34.635	1.91	27.717	38.8	2.225		
1885A	2.03	34.600	1.46	3.01	177.	0.03	42.2	43.1	2500	1.70	34.647	2.15	27.734	37.2	2.343		
2281A	1.78	34.636	1.94	2.96	181.	0.00	42.2	38.5	2750	1.63	34.657	2.36	27.747	35.9	2.457		
2677A	1.65	34.653	2.30	2.93	185.	0.02	40.8	36.3	3000	1.57	34.669	2.58	27.761	34.6	2.570		
3077A	1.56	34.672	2.64	2.79	181.	0.02	39.6	34.2	3250	1.54	34.675	2.78	27.768	33.9	2.681		
3478A	1.52	34.677	2.95	2.77	180.	0.02	39.9	33.6	3500	1.52	34.678	2.96	27.772	33.5	2.793		
3875A	1.50	34.686	3.13	2.67	180.	0.04	36.8	32.8	3750	1.50	34.683	3.08	27.777	33.0	2.905		
4181A	1.52	34.691	3.32	2.66	173.	0.02	36.1	32.5	4000	1.51	34.689	3.21	27.782	32.6	3.017		
4478A	1.53	34.688	3.44	2.70	168.	0.03	37.4	32.8	4250	1.52	34.691	3.35	27.782	32.6	3.130		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39137

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
38 59.5 N		137 0.5 W		10/23/72		0530 GMT		4865 M		WIND 050		SPEED 07 KT		2		010 01 06	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	18.29	33.38							0	18.29	33.38		23.983	393.5	0.000		
10	18.29	33.38							10	18.29	33.38		23.983	393.5	0.039		
20	18.36	33.40							20	18.36	33.40		23.981	393.7	0.079		
30	18.34	33.44							30	18.34	33.44		24.017	390.4	0.118		
50	18.45	33.58							50	18.45	33.58		24.096	382.6	0.196		
75	14.17	33.46							75	14.17	33.46		24.984	298.2	0.281		
100	12.29	33.34							100	12.29	33.34		25.267	271.2	0.353		
125	11.24	33.34							125	11.24	33.34		25.463	252.6	0.419		
150	10.40	33.58							150	10.40	33.58		25.797	220.8	0.479		
200	9.22	33.88							200	9.22	33.88		26.228	179.9	0.581		
250	8.56	33.98							250	8.56	33.98		26.410	162.6	0.669		
300	8.02	33.96							300	8.02	33.96		26.492	154.9	0.750		
400	6.47	33.93							400	6.47	33.93		26.670	138.0	0.902		
500	5.06	33.94							500	5.06	33.94		26.851	120.8	1.037		
600	4.31	34.00							600	4.31	34.00		26.982	108.4	1.157		
700	3.95	34.11							700	3.95	34.11		27.106	96.6	1.265		
800	3.84	34.22							800	3.84	34.22		27.205	87.2	1.364		
1000	3.40	34.37							1000	3.40	34.37		27.367	71.8	1.537		

A) CAST 1.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39139

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 59.0 N			138 57.5 W			10/22/72		1254 GMT		5261 M	050	10 KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.03	33.79		24.111	381.4	0.000	
									10	19.03	33.79		24.111	381.4	0.038	
									20	19.03	33.79		24.111	381.4	0.076	
									30	19.03	33.79		24.111	381.4	0.115	
									50	19.00	33.79		24.119	380.6	0.191	
									75	14.74	33.32		24.755	320.0	0.279	
									100	13.34	33.46		25.154	282.0	0.355	
									125	12.34	33.48		25.366	261.8	0.424	
									150	11.41	33.54		25.587	240.9	0.487	
									200	8.90	33.77		26.193	183.2	0.595	
									250	8.25	33.93		26.418	161.9	0.683	
									300	7.43	33.96		26.562	148.2	0.763	
									400	6.18	33.96		26.731	132.2	0.908	
									500	5.29	34.04		26.903	115.8	1.038	
									600	4.83	34.11		27.012	105.5	1.155	
									700	4.06	34.17		27.143	93.1	1.260	
									800	3.81	34.25		27.232	84.7	1.356	
									1000	3.35	34.39		27.388	69.9	1.524	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39141

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 58.0 N			140 59.0 W			10/22/72		0209 GMT		5381 M	010	07 KT	1	350 05 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.74	33.75		23.898	401.6	0.000	
									10	19.75	33.75		23.896	401.9	0.040	
									20	19.75	33.75		23.896	401.9	0.080	
									30	19.76	33.75		23.893	402.1	0.121	
									50	19.81	33.81		23.926	399.0	0.201	
									75	14.24	33.54		25.030	293.8	0.288	
									100	12.49	33.54		25.383	260.2	0.358	
									125	11.41	33.59		25.626	237.2	0.421	
									150	10.38	33.73		25.917	209.4	0.477	
									200	9.39	33.98		26.278	175.1	0.575	
									250	8.68	34.00		26.407	162.9	0.662	
									300	8.10	33.99		26.488	155.2	0.744	
									400	6.67	33.95		26.659	139.0	0.896	
									500	5.29	33.95		26.832	122.6	1.033	
									600	4.37	34.02		26.991	107.5	1.154	
									700	3.97	34.11		27.104	96.8	1.262	
									800	3.73	34.21		27.208	87.0	1.360	
									1000	3.19	34.34		27.363	72.2	1.532	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39143

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 0.0 N			143 0.0 W			10/21/72		1547 GMT		5461 M	350	05 KT	1	340 04 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.53	33.73		23.938	397.9	0.000	
									10	19.53	33.73		23.938	397.9	0.040	
									20	19.54	33.72		23.927	398.9	0.080	
									30	19.55	33.72		23.925	399.1	0.120	
									50	19.55	33.72		23.925	399.1	0.200	
									75	14.04	33.65		25.157	281.7	0.285	
									100	12.22	33.57		25.459	253.0	0.353	
									125	11.32	33.57		25.626	237.1	0.415	
									150	10.68	33.77		25.896	211.4	0.471	
									200	9.63	34.04		26.286	174.4	0.570	
									250	8.80	34.03		26.412	162.5	0.656	
									300	8.15	33.99		26.480	156.0	0.738	
									400	6.89	33.96		26.637	141.1	0.892	
									500	5.59	33.96		26.805	125.2	1.031	
									600	4.56	34.00		26.955	111.0	1.155	
									700	4.15	34.11		27.086	98.5	1.266	
									800	3.85	34.20		27.188	88.8	1.366	
									1000	3.24	34.34		27.359	72.7	1.542	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39145

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
39 0.5 N		145 0.0 W		10/21/72		0220 GMT		5261 M		350		08 KT		1			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	20.48	34.01							0	20.48	34.01		23.902	401.3	0.000		
10	20.48	34.01							10	20.48	34.01		23.902	401.3	0.040		
20	20.48	34.01							20	20.48	34.01		23.902	401.3	0.080		
30	20.50	34.01							30	20.50	34.01		23.896	401.8	0.121		
50	19.40	33.82							50	19.40	33.82		24.039	388.2	0.200		
75	14.04	33.56							75	14.04	33.56		25.088	288.3	0.285		
100	12.23	33.64							100	12.23	33.64		25.511	248.1	0.352		
125	11.03	33.72							125	11.03	33.72		25.795	221.0	0.412		
150	10.23	33.85							150	10.23	33.85		26.037	198.1	0.465		
200	9.58	34.03							200	9.58	34.03		26.286	174.4	0.560		
250	8.83	34.03							250	8.83	34.03		26.407	162.9	0.646		
300	8.25	34.00							300	8.25	34.00		26.473	156.7	0.729		
400	6.70	33.96							400	6.70	33.96		26.663	138.7	0.882		
500	5.30	33.96							500	5.30	33.96		26.839	121.9	1.018		
600	4.41	34.03							600	4.41	34.03		26.995	107.2	1.138		
700	3.98	34.13							700	3.98	34.13		27.119	95.4	1.245		
800	3.75	34.22							800	3.75	34.22		27.214	86.4	1.342		
1000	3.27	34.36							1000	3.27	34.36		27.372	71.4	1.514		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

39145

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
39 0.5 N		145 0.0 W		10/21/72		0220 GMT		5261 M		350		08 KT		1			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	20.48	34.04	5.31	0.16	3.	0.01	0.0	399.1	0	20.48	34.04	5.31	23.924	399.1	0.000		
9	20.50	34.04	5.28	0.12	3.	0.00	0.0	399.6	10	20.50	34.04	5.28	23.919	399.6	0.040		
29	20.50	34.04	5.29	0.16	2.	0.01	0.0	399.6	20	20.50	34.04	5.29	23.919	399.6	0.080		
59	16.82	33.72	6.20	0.16	2.	0.01	0.0	335.1	30	20.41	34.03	5.32	23.934	398.2	0.120		
79	14.35	33.68	6.38	0.21	2.	0.03	0.0	285.7	50	18.16	33.81	5.91	24.344	359.2	0.196		
94	13.06	33.62	6.18	0.26	2.	0.00	0.0	264.9	75	14.81	33.68	6.34	25.019	294.8	0.278		
110	12.30	33.68	5.97	0.34	3.	0.11	0.3	246.4	100	12.74	33.64	6.10	25.410	257.6	0.348		
140	10.96	33.76	5.53	0.72	6.	0.03	7.1	216.9	125	11.61	33.72	5.74	25.688	231.2	0.410		
164	10.09	33.89	5.33	0.95	10.	0.02	11.9	192.9	150	10.55	33.81	5.43	25.950	206.4	0.465		
193	9.74	34.04	5.20	1.04	16.	0.03	13.1	176.2	200	9.63	34.05	5.18	26.293	173.8	0.562		
228	9.16	34.04	5.09	1.20	20.	0.01	15.0	167.2	250	8.88	34.03	4.99	26.401	163.5	0.648		
297	8.34	34.01	4.70	1.47	30.	0.01	20.1	157.2	300	8.30	34.01	4.67	26.473	156.7	0.731		
406	6.72	33.97	3.58	2.01	49.	0.01	27.6	138.2	400	6.81	33.97	3.65	26.657	139.2	0.885		
515	5.24	33.96	2.51	2.62	71.	0.00	35.6	121.2	500	5.42	33.96	2.65	26.823	123.4	1.022		
652	4.21	34.05	1.52	3.02	97.	0.01	40.3	103.6	600	4.51	34.01	1.86	26.966	109.9	1.144		
808	3.71	34.21	0.71	3.25	124.	0.00	44.1	86.8	700	4.01	34.10	1.23	27.091	98.0	1.254		
975	3.26	34.32	0.35	3.39	140.	0.00	44.8	74.4	800	3.73	34.20	0.74	27.202	87.5	1.353		
1184	2.95	34.41	0.47	3.39	152.	0.00	46.0	64.8	1000	3.22	34.33	0.36	27.353	73.2	1.527		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35129

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
34 58.0 N		128 59.0 W		11/12/72		1756 GMT		4737 M		280		06 KT		1		300 12 10	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	15.41	33.01							0	15.41	33.01		24.372	356.5	0.000		
10	15.41	33.01							10	15.41	33.01		24.372	356.5	0.036		
20	15.41	33.01							20	15.41	33.01		24.372	356.5	0.071		
30	15.41	33.01							30	15.41	33.01		24.372	356.5	0.107		
50	13.80	33.09							50	13.80	33.09		24.776	318.0	0.175		
75	11.20	33.10							75	11.20	33.10		25.284	269.7	0.249		
100	10.00	33.08							100	10.00	33.08		25.476	251.3	0.314		
125	9.45	33.20							125	9.45	33.20		25.661	233.8	0.375		
150	8.85	33.56							150	8.85	33.56		26.037	198.1	0.430		
200	8.22	33.91							200	8.22	33.91		26.407	162.9	0.522		
250	7.30	33.94							250	7.30	33.94		26.565	148.0	0.601		
300	6.59	33.97							300	6.59	33.97		26.685	136.5	0.674		
400	6.17	34.08							400	6.17	34.08		26.827	123.1	0.809		
500	5.45	34.15							500	5.45	34.15		26.971	109.4	0.931		
600	4.71	34.17							600	4.71	34.17		27.073	99.8	1.042		
700	4.56	34.28							700	4.56	34.28		27.176	89.9	1.143		
800	4.26	34.35							800	4.26	34.35		27.264	81.6	1.236		
1000	3.65	34.44							1000	3.65	34.44		27.399	68.9	1.403		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35131

LATITUDE 35 2.0 N LONGITUDE 131 2.5 W MO/DAY/YR 11/06/72 MESSENGER TIME 0045 GMT BOTTOM 4709 M WIND 240 SPEED 14 KT WEATHER 5 DOMINANT WAVES 270 05 09

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.11	33.10		24.054	386.8	0.000
									10	17.11	33.10		24.054	386.8	0.039
									20	17.05	33.09		24.060	386.2	0.077
									30	17.20	33.23		24.132	379.4	0.116
									50	17.82	33.61		24.273	365.9	0.191
									75	15.46	33.55		24.775	318.1	0.276
									100	14.18	33.56		25.059	291.1	0.353
									125	13.28	33.54		25.228	275.0	0.425
									150	11.87	33.45		25.432	255.6	0.492
									200	9.58	33.67		26.006	201.0	0.608
									250	8.73	33.94		26.353	168.1	0.702
									300	7.80	33.93		26.485	155.5	0.786
									400	6.10	33.95		26.733	132.0	0.934
									500	5.51	34.06		26.917	114.6	1.063
									600	4.69	34.14		27.051	101.8	1.177
									700	4.32	34.24		27.171	90.5	1.280
									800	4.18	34.33		27.257	82.3	1.373
									1000	3.68	34.43		27.388	69.9	1.541

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35133

LATITUDE 34 59.0 N LONGITUDE 133 0.0 W MO/DAY/YR 11/05/72 MESSENGER TIME 1058 1501 GMT BOTTOM 5156 M WIND 340 SPEED 02 KT WEATHER 0 DOMINANT WAVES

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	18.44	33.788	5.64	0.23	2.	0.02	0.0	367.4	0	18.44	33.788	5.64	24.257	367.4	0.000
10	18.44	33.790	5.64	0.19	1.	0.01	0.0	367.3	10	18.44	33.790	5.64	24.259	367.3	0.037
30	18.45	33.783	5.62	0.21	2.	0.00	0.0	368.0	20	18.44	33.787	5.63	24.255	367.6	0.074
55	18.46	33.783	5.63	0.18	1.	0.02	0.0	368.2	30	18.45	33.783	5.62	24.251	368.0	0.110
70	16.62	33.830	6.23	0.15	2.	0.00	0.0	322.7	50	18.46	33.783	5.63	24.249	368.2	0.184
85	15.84	33.882	6.15	0.17	2.	0.02	0.0	301.9	75	16.29	33.848	6.20	24.817	314.1	0.270
100	15.30	33.942	6.03	0.19	2.	0.01	0.0	286.1	100	15.30	33.942	6.03	25.111	286.1	0.346
131	14.78	34.087	5.75	0.22	3.	0.21	0.0	264.7	125	14.91	34.074	5.80	25.297	268.4	0.416
156	13.17	33.934	5.58	0.42	5.	0.03	2.5	244.0	150	13.61	33.980	5.62	25.500	249.1	0.491
181	11.42	33.799	5.46	0.62	7.	0.02	5.5	221.9	200	10.53	33.770	5.26	25.923	208.9	0.598
216	9.98	33.777	5.09	0.99	13.	0.04	10.9	199.5	250	9.30	33.882	5.04	26.216	181.1	0.698
281	8.92	33.989	5.01	1.37	25.	0.02	18.0	167.3	300	8.57	33.999	4.78	26.423	161.4	0.786
381	7.12	33.969	3.49	2.04	44.	0.00	25.4	143.4	400	6.81	33.969	3.20	26.654	139.5	0.942
480	5.72	33.990	2.09	2.61	68.	0.00	29.4	124.5	500	5.54	34.006	1.86	26.847	121.2	1.078
613	4.84	34.120	0.89	3.04	91.	0.02	38.7	104.9	600	4.89	34.105	0.98	27.001	106.6	1.198
765	4.26	34.266	0.32	3.34	113.	0.02	41.4	87.9	700	4.47	34.206	0.48	27.128	94.5	1.306
914	3.92	34.377	0.32	3.33	123.	0.03	41.4	76.2	800	4.17	34.296	0.32	27.231	84.8	1.402
1125	3.40	34.460	0.55V	3.34	137.	0.02	43.8V	65.1	1000	3.71	34.414	0.52	27.372	71.4	1.574
1183A	3.27	34.488	1.03	3.14	138.	0.09	41.5	61.8	1200	3.23	34.494	1.04	27.482	61.0	1.724
1571A	2.55	34.565	1.18	3.02	170.	0.03	41.1	49.8	1500	2.66	34.559	1.15	27.586	51.2	1.919
1964A	2.02	34.612	1.74	2.95	175.	0.01	40.4	42.1	2000	1.99	34.616	1.78	27.686	41.7	2.195
2358A	1.78	34.639	2.17	2.95	175.	0.03	38.7	38.3	2250	1.83	34.634	2.06	27.713	39.1	2.318
2755A	1.64	34.658	2.51	2.85	175.	0.02	39.0	35.9	2500	1.72	34.647	2.30	27.732	37.3	2.436
3153A	1.57	34.675	2.79	2.80	170.	0.01	39.0	34.1	2750	1.64	34.658	2.51	27.747	35.9	2.552
3553A	1.51	34.677	3.15	2.66	166.	0.01	34.8	33.5	3000	1.59	34.670	2.68	27.760	34.7	2.665
3953A	1.50	34.686	3.36	2.65	164.	0.01	32.6	32.8	3250	1.55	34.676	2.88	27.768	33.9	2.776
4353A	1.52	34.690	3.50	2.64	159.	0.03	37.0	32.6	3500	1.52	34.677	3.10	27.771	33.6	2.888
4754S	1.56	34.689	3.57	2.59	157.	0.01	34.8	33.0	3750	1.51	34.682	3.27	27.776	33.1	3.000
5053A	1.58	34.688	4.10U	2.52	157.	0.01	34.6	33.2	4000	1.50	34.687	3.38	27.780	32.8	3.112
5130A	1.59	34.689	3.61	2.59	157.	0.00	35.3	33.2	4250	1.51	34.689	3.47	27.781	32.7	3.226
5154A	1.62	34.700	3.64	2.59	157.	0.01	33.2U	32.6	4500	1.53	34.690	3.53	27.780	32.7	3.341
									4750	1.56	34.689	3.57	27.778	33.0	3.460
									5000	1.58	34.688	3.60	27.776	33.2	3.581

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35133

LATITUDE 34 59.0 N LONGITUDE 133 0.0 W MO/DAY/YR 11/05/72 MESSENGER TIME 1404 GMT BOTTOM 5156 M WIND 340 SPEED 2 KT WEATHER DOMINANT WAVES

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	18.47	33.78		24.244	368.7	0.000
									10	18.47	33.78		24.244	368.7	0.037
									20	18.47	33.78		24.244	368.7	0.074
									30	18.47	33.78		24.244	368.7	0.111
									50	18.47	33.78		24.244	368.7	0.185
									75	16.41	33.80		24.752	320.3	0.271
									100	15.46	33.88		25.028	294.0	0.349
									125	14.95	34.02		25.248	273.1	0.420
									150	13.94	33.97		25.424	256.3	0.488
									200	10.94	33.77		25.850	215.8	0.608
									250	9.49	33.90		26.200	182.6	0.710
									300	8.38	33.96		26.422	161.5	0.798
									400	6.68	33.96		26.666	138.4	0.954
									500	5.51	34.02		26.861	119.8	1.089
									600	4.86	34.12		27.016	105.1	1.207
									700	4.33	34.18		27.122	95.1	1.314
									800	4.33	34.30		27.217	86.1	1.412
									1000	3.77	34.40		27.355	73.0	1.587

A3 CAST II.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35135

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
35 1.0 N		135 0.0 W		11/04/72		2323 GMT		5156 M		320		04 KT		1		310 15 11		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
									0	19.18	33.95		24.195	373.4	0.000			
									10	19.14	33.95		24.205	372.4	0.037			
									20	19.10	33.95		24.215	371.5	0.075			
									30	19.09	33.97		24.233	369.8	0.112			
									50	19.15	34.14		24.347	358.9	0.185			
									75	19.57	34.41		24.444	349.6	0.274			
									100	13.81	33.25		24.897	306.5	0.357			
									125	11.59	33.22		25.306	267.6	0.429			
									150	10.16	33.41		25.706	229.5	0.492			
									200	9.04	33.77		26.171	185.3	0.597			
									250	8.21	33.91		26.409	162.8	0.686			
									300	7.46	34.00		26.589	145.6	0.766			
									400	6.29	34.02		26.764	129.1	0.908			
									500	5.30	34.09		26.942	112.2	1.034			
									600	4.80	34.18		27.071	100.0	1.147			
									700	4.38	34.26		27.180	89.6	1.248			
									800	4.11	34.33		27.264	81.6	1.341			
									1000	3.70	34.44		27.394	69.4	1.507			

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35137

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
35 1.0 N		137 0.0 W		11/04/72		1002 GMT		4697 M		350		09 KT						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
									0	18.28	33.65		24.192	373.7	0.000			
									10	18.28	33.66		24.199	372.9	0.037			
									20	18.30	33.66		24.194	373.4	0.075			
									30	18.30	33.66		24.194	373.4	0.112			
									50	18.31	33.66		24.192	373.6	0.187			
									75	17.69	33.53		24.244	368.7	0.280			
									100	14.84	33.54		24.903	305.9	0.365			
									125	13.89	33.63		25.173	280.2	0.439			
									150	12.93	33.66		25.390	259.5	0.508			
									200	9.74	33.72		26.018	199.9	0.625			
									250	9.32	34.04		26.336	169.6	0.719			
									300	8.25	34.00		26.473	156.7	0.803			
									400	6.49	33.95		26.683	136.8	0.955			
									500	5.64	34.06		26.877	118.3	1.089			
									600	4.99	34.15		27.025	104.3	1.206			
									700	4.41	34.22		27.145	92.9	1.312			
									800	4.24	34.32		27.243	83.7	1.407			
									1000	3.62	34.41		27.378	70.9	1.577			

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35139

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
34 57.0 N		139 1.0 W		11/03/72		1728 GMT		5487 M		310		21 KT				320 08 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
									0	19.36	33.92		24.126	380.0	0.000			
									10	19.36	33.92		24.126	380.0	0.038			
									20	19.36	33.92		24.126	380.0	0.076			
									30	19.37	33.92		24.123	380.2	0.114			
									50	19.32	33.97		24.174	375.3	0.190			
									75	15.72	33.62		24.771	318.5	0.277			
									100	14.72	33.70		25.052	291.7	0.354			
									125	14.42	33.85		25.231	274.7	0.426			
									150	12.92	33.69		25.415	257.1	0.493			
									200	10.27	33.82		26.006	201.0	0.610			
									250	9.62	34.01		26.264	176.5	0.706			
									300	8.68	34.01		26.415	162.2	0.794			
									400	6.86	33.95		26.633	141.4	0.951			
									500	5.46	33.96		26.820	123.7	1.090			
									600	4.61	34.03		26.973	109.2	1.212			
									700	4.24	34.16		27.116	95.7	1.321			
									800	4.24	34.29		27.219	85.9	1.418			
									1000	3.65	34.41		27.372	71.4	1.592			

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35139

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 57.0 N			139 1.0 W			11/03/72		1852 2122 GMT		5487 M	310	21 KT	0	320 8 6		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	19.34	33.931	5.59	0.13	0.	0.01	0.0	378.7	0	19.34	33.931	5.59	24.139	378.7	0.000	
10	19.34	33.932	5.53	0.15	1.	0.01	0.0	378.6	10	19.34	33.932	5.53	24.140	378.6	0.038	
30	19.35	33.930	5.52	0.12	1.	0.00	0.0	379.0	20	19.34	33.931	5.52	24.138	378.8	0.076	
55	17.60	33.669	6.19	0.18	1.	0.00	0.0	356.5	30	19.35	33.930	5.52	24.136	379.0	0.114	
70	15.37	33.667	6.27	0.19	1.	0.02	0.0	307.6	50	18.13	33.775	6.05	24.324	361.0	0.188	
85	15.03	33.707	6.15	0.17	1.	0.00	0.0	297.6	75	15.26	33.710	6.24	24.943	302.1	0.272	
101	14.61	33.728	6.06	0.19	1.	0.01	0.0	287.5	100	14.64	33.727	6.07	25.090	288.1	0.346	
131	14.15	33.850	5.88	0.25	1.	0.14	0.1	269.3	125	14.28	33.833	5.92	25.247	273.2	0.417	
156	12.66	33.740	5.72	0.40	3.	0.03	2.2	248.6	150	13.06	33.769	5.76	25.448	254.0	0.484	
181	11.22	33.732	5.55	0.66	4.	0.02	6.5	223.4	200	10.51	33.802	5.43	25.950	206.4	0.601	
216	10.08	33.873	5.35	0.94	9.	0.02	10.5	194.0	250	9.42	33.964	5.37	26.261	176.8	0.699	
281	8.96	34.008	5.38	1.20	22.	0.03	17.0	166.5	300	8.60	34.008	5.10	26.426	161.1	0.786	
382	7.09	33.957	3.61	2.02	42.	0.01	25.6	143.9	400	6.79	33.951	3.42	26.643	140.5	0.943	
482	5.61	33.948	2.70	2.51	63.	0.01	29.9	126.3	500	5.41	33.955	2.51	26.822	123.5	1.081	
615	4.52	34.053	1.37	3.06	89.	0.02	39.1	106.6	600	4.60	34.035	1.51	26.979	108.7	1.203	
703A	4.27	34.195	0.75	3.13	105.	0.05	41.4	93.4	700	4.27	34.190	0.77	27.136	95.7	1.310	
769	4.30	34.271	0.47	3.32	109.	0.01	42.3	87.9	800	4.23	34.297	0.47	27.225	83.3	1.407	
917	3.84	34.370	0.49	3.39	121.	0.01	42.3	76.0	1000	3.63	34.426	0.47	27.390	69.7	1.577	
1097A	3.38	34.460	0.46	3.31	132.	0.02	41.5	64.9	1200	3.12	34.465	0.55	27.469	62.2	1.726	
1125	3.30	34.456	0.78V	3.32	133.	0.01	44.0V	64.5	1500	2.58	34.548	0.97	27.583	51.4	1.922	
1491A	2.60	34.546	0.96	3.20	152.	0.00	43.4	51.7	2000	1.95	34.613	1.71	27.687	41.6	2.197	
1886A	2.05	34.603	1.57	3.10	153.	0.01	42.1	43.0	2250	1.80	34.629	2.01	27.711	39.3	2.320	
2280A	1.79	34.630	2.05	2.87	161.	0.01	40.1	39.1	2500	1.69	34.644	2.38	27.732	37.3	2.438	
2675A	1.63	34.653	2.64	2.83	174.	0.01	40.1	36.2	2750	1.61	34.656	2.73	27.748	35.8	2.553	
3069A	1.54	34.664	3.04	2.80	171.	0.00	37.0	34.7	3000	1.55	34.663	2.99	27.757	34.9	2.665	
3466A	1.50	34.675	3.21	2.71	169.	0.01	34.1	33.6	3250	1.52	34.670	3.14	27.765	34.2	2.777	
3865A	1.49	34.680	3.33	2.66	161.	0.01	34.4	33.2	3500	1.50	34.676	3.22	27.772	33.6	2.888	
4263A	1.50	34.685	3.47	2.61	155.	0.00	36.3	32.9	3750	1.49	34.679	3.30	27.775	33.3	3.000	
4662A	1.53	34.684	3.55	2.61	153.	0.00	35.5	33.1	4000	1.49	34.682	3.38	27.777	33.0	3.112	
5062A	1.58	34.685	3.63	2.62	154.	0.01	36.7	33.4	4250	1.50	34.685	3.47	27.779	32.9	3.226	
5137A	1.59	34.685	3.62	2.62	156.	0.01	35.9	33.5	4500	1.52	34.685	3.52	27.777	33.0	3.342	
5153A	1.58	34.684	3.66	2.62	154.	0.01	33.1U	33.5	4750	1.54	34.684	3.58	27.775	33.2	3.460	
5163A	1.60	34.684	3.64	2.61	153.	0.01	36.2	33.6	5000	1.57	34.685	3.62	27.774	33.4	3.581	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31127

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 0.0 N			127 0.0 W			09/29/72		0443 GMT		4688 M	000	00 KT				
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	20.30	33.48							0	20.30	33.48		23.547	435.2	0.000	
10	20.18	33.53							10	20.18	33.53		23.617	428.5	0.043	
20	20.30	33.76							20	20.30	33.76		23.760	414.9	0.085	
30	20.25	33.84							30	20.25	33.84		23.834	407.8	0.127	
50	17.23	33.72							50	17.23	33.72		24.499	344.3	0.202	
75	15.65	33.38							75	15.65	33.38		24.602	334.5	0.287	
100	14.51	33.60							100	14.51	33.60		25.020	294.8	0.367	
125	14.14	33.69							125	14.14	33.69		25.167	280.8	0.439	
150	11.84	33.51							150	11.84	33.51		25.484	250.6	0.507	
200	10.20	33.74							200	10.20	33.74		25.956	205.8	0.623	
250	8.91	33.95							250	8.91	33.95		26.332	170.1	0.719	
300	7.87	33.97							300	7.87	33.97		26.506	153.5	0.802	
400	6.31	34.01							400	6.31	34.01		26.754	130.0	0.949	
500	5.42	34.11							500	5.42	34.11		26.943	112.0	1.076	
600	4.85	34.21							600	4.85	34.21		27.089	98.3	1.187	
700	4.60	34.31							700	4.60	34.31		27.196	88.1	1.287	
800	4.34	34.37							800	4.34	34.37		27.272	80.9	1.379	
1000	3.84	34.49							1000	3.84	34.49		27.419	66.9	1.544	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31129

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 0.0 N			129 0.0 W			09/29/72		2106 GMT		4313 M	300	02 KT	1	330 04 10		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	20.85	33.58							0	20.85	33.58		23.477	441.9	0.000	
10	20.38	33.80							10	20.38	33.80		23.769	414.0	0.043	
20	20.28	33.88							20	20.28	33.88		23.856	405.7	0.084	
30	20.25	33.89							30	20.25	33.89		23.872	404.2	0.124	
50	17.85	33.78							50	17.85	33.78		24.396	354.2	0.201	
75	16.57	33.84							75	16.57	33.84		24.746	320.9	0.285	
100	15.59	33.86							100	15.59	33.86		24.984	298.2	0.363	
125	15.04	33.93							125	15.04	33.93		25.159	281.5	0.437	
150	13.70	33.85							150	13.70	33.85		25.381	260.4	0.505	
200	10.40	33.65							200	10.40	33.65		25.852	215.6	0.626	
250	9.21	33.89							250	9.21	33.89		26.237	179.0	0.727	
300	8.23	33.98							300	8.23	33.98		26.461	157.8	0.814	
400	6.54	34.01							400	6.54	34.01		26.723	132.9	0.965	
500	5.50	34.06							500	5.50	34.06		26.894	116.7	1.096	
600	4.93	34.19							600	4.93	34.19		27.064	100.6	1.210	
700	4.52	34.27							700	4.52	34.27		27.173	90.3	1.313	
800	4.17	34.35							800	4.17	34.35		27.274	80.7	1.405	
1000	3.66	34.49							1000	3.66	34.49		27.437	65.2	1.567	

A) CAST II.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31129

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
31 0.0 N		129 0.0 W		09/29/72		2216 GMT		4313 M		300	02 KT	1	330 04 10		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	20.88	33.726	5.31	0.21	3.	0.00	0.0	432.1	0	20.88	33.726	5.31	23.579	432.1	0.000
10	20.37	33.808	5.39	0.19	2.	0.00	0.0	413.2	10	20.37	33.808	5.39	23.778	413.2	0.042
30	20.26	33.873	5.37	0.21	2.	0.00	0.0	405.7	20	20.31	33.848	5.38	23.822	408.9	0.083
55	17.77	33.790	5.89	0.23	2.	0.00	0.0	351.6	30	20.26	33.873	5.37	23.856	405.7	0.124
70	16.91	33.806	5.95	0.21	2.	0.00	0.0	330.9	50	18.32	33.804	5.78	24.299	363.4	0.201
84	16.39	33.826	5.88	0.19	2.	0.00	0.0	317.9	75	16.71	33.814	5.93	24.692	326.0	0.288
99	15.75	33.836	5.84	0.24	3.	0.00	0.0	303.3	100	15.73	33.841	5.83	24.937	302.6	0.367
129	15.12	33.927	5.59	0.27	3.	0.05	0.0	283.4	125	15.21	33.920	5.63	25.113	285.9	0.442
154	13.71	33.830	6.17U	0.40	4.	0.00	0.0	262.0	150	13.98	33.853	5.43	25.326	265.6	0.512
179	11.91	33.670	5.19	0.68	8.	0.00	0.0	240.1	200	10.86	33.681	4.99	25.795	221.1	0.635
213	10.36	33.722	4.84	1.02	12.	0.00	0.0	209.7	250	9.36	33.882	4.28	26.206	182.0	0.738
276	8.87	33.992	3.85	1.58	28.	0.00	0.0	166.3	300	8.34	34.018	3.49	26.474	156.6	0.826
374	6.95	34.017	2.50	2.06	53.	0.00	0.0	137.6	400	6.60	34.026	2.22	26.728	132.4	0.976
472	5.83	34.064	1.53	2.72	72.	0.00	0.0	120.2	500	5.58	34.095	1.27	26.912	115.0	1.105
603	4.88	34.218	0.52	3.11	95.	0.00	0.0	98.0	600	4.90	34.214	0.54	27.087	98.4	1.218
753	4.44	34.340	0.29	3.27	108.	0.00	0.0	84.2	700	4.57	34.303	0.37	27.194	88.3	1.318
899	3.82	34.417	0.40	3.25	129.	0.00	0.0	72.2	800	4.24	34.367	0.33	27.280	80.1	1.410
1103	3.35	34.523	0.75	3.25	140.	0.00	0.0	59.9	1000	3.59	34.469	0.57	27.428	66.1	1.572

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31131

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
31 0.0 N		131 0.0 W		09/30/72		0821 GMT		4697 M		340	07 KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	21.06	34.06							0	21.06	34.06		23.784	412.5	0.000
10	20.93	34.07							10	20.93	34.07		23.827	408.5	0.041
20	20.85	34.08							20	20.85	34.08		23.856	405.7	0.082
30	20.79	34.08							30	20.79	34.08		23.872	404.1	0.122
50	18.02	34.04							50	18.02	34.04		24.553	339.2	0.197
75	16.93	34.20							75	16.93	34.20		24.937	302.7	0.278
100	16.11	34.22							100	16.11	34.22		25.143	283.1	0.352
125	15.94	34.36							125	15.94	34.36		25.289	269.2	0.422
150	14.31	34.06							150	14.31	34.06		25.416	257.1	0.488
200	11.30	33.82							200	11.30	33.82		25.824	218.3	0.609
250	9.68	33.95							250	9.68	33.95		26.207	181.9	0.712
300	8.72	33.98							300	8.72	33.98		26.385	165.0	0.801
400	7.19	34.06							400	7.19	34.06		26.674	137.6	0.958
500	6.31	34.16							500	6.31	34.16		26.872	118.9	1.093
600	5.18	34.16							600	5.18	34.16		27.011	105.6	1.212
700	4.73	34.27							700	4.73	34.27		27.150	92.5	1.318
800	4.40	34.35							800	4.40	34.35		27.249	83.0	1.414
1000	3.80	34.47							1000	3.80	34.47		27.407	68.1	1.581

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31133

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
31 0.0 N		133 0.0 W		09/30/72		1823 GMT		4697 M		020	05 KT	1	350 03 07		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	21.28	34.32							0	21.28	34.32		23.921	399.4	0.000
10	21.20	34.33							10	21.20	34.33		23.951	396.6	0.040
20	21.20	34.33							20	21.20	34.33		23.951	396.6	0.080
30	21.20	34.34							30	21.20	34.34		23.958	395.9	0.119
50	17.95	34.12							50	17.95	34.12		24.631	331.8	0.192
75	16.69	34.19							75	16.69	34.19		24.986	298.0	0.272
100	16.27	34.32							100	16.27	34.32		25.182	279.3	0.344
125	16.00	34.43							125	16.00	34.43		25.329	265.4	0.413
150	14.78	34.28							150	14.78	34.28		25.485	250.6	0.479
200	11.12	34.01							200	11.12	34.01		26.004	201.2	0.594
250	9.97	34.06							250	9.97	34.06		26.244	178.4	0.691
300	8.95	34.04							300	8.95	34.04		26.396	164.0	0.780
400	6.95	33.97							400	6.95	33.97		26.637	141.1	0.938
500	5.50	33.98							500	5.50	33.98		26.831	122.7	1.076
600	4.75	34.10							600	4.75	34.10		27.013	105.5	1.196
700	4.39	34.20							700	4.39	34.20		27.132	94.2	1.302
800	4.06	34.30							800	4.06	34.30		27.246	83.4	1.398
1000	3.61	34.47							1000	3.61	34.47		27.427	68.2	1.563

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31135

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
31 0.0 N		135 0.0 W		10/01/72		0607 GMT		4697 M		010	07 KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	21.29	34.40							0	21.29	34.40		23.979	393.9	0.000
10	21.27	34.40							10	21.27	34.40		23.985	393.4	0.039
20	21.25	34.42							20	21.25	34.42		24.005	391.4	0.079
30	21.24	34.43							30	21.24	34.43		24.016	390.4	0.118
50	18.43	34.36							50	18.43	34.36		24.696	325.6	0.190
75	16.94	34.28							75	16.94	34.28		24.996	297.1	0.268
100	16.18	34.28							100	16.18	34.28		25.173	280.2	0.341
125	16.01	34.41							125	16.01	34.41		25.311	267.1	0.410
150	15.15	34.30							150	15.15	34.30		25.419	256.8	0.477
200	12.13	34.08							200	12.13	34.08		25.870	213.9	0.597
250	10.55	34.08							250	10.55	34.08		26.160	186.4	0.699
300	9.43	34.06							300	9.43	34.06		26.334	169.8	0.791
400	7.44	33.98							400	7.44	33.98		26.576	146.9	0.956
500	5.77	34.02							500	5.77	34.02		26.830	122.8	1.097
600	5.10	34.12							600	5.10	34.12		26.989	107.7	1.219
700	4.54	34.23							700	4.54	34.23		27.139	93.5	1.326
800	4.24	34.32							800	4.24	34.32		27.243	83.7	1.422
1000	3.72	34.46							1000	3.72	34.46		27.407	68.1	1.590

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31137

CALCOFI CRUISE 7210																91137
LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
31 0.0 N			137 0.0 W			10/01/72			2103 GMT							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	21.83	34.50					
									10	21.68	34.53		23.906	400.9	0.000	
									20	21.66	34.54		23.971	394.7	0.040	
									30	21.68	34.56		23.984	393.5	0.079	
									50	18.90	34.21		23.993	392.6	0.119	
									75	17.38	34.24		24.463	347.8	0.193	
									100	16.44	34.31		24.861	309.9	0.276	
									125	16.28	34.44		25.136	283.8	0.351	
									150	15.80	34.43		25.272	270.8	0.421	
									200	12.05	33.96		25.374	261.1	0.488	
									250	10.19	34.00		25.793	221.3	0.611	
									300	9.18	33.99		26.160	186.4	0.716	
									400	7.40	33.98		26.320	171.2	0.808	
									500	5.85	33.99		26.582	146.3	0.973	
									600	5.17	34.11		26.796	126.0	1.115	
									700	4.59	34.23		26.973	109.2	1.239	
									800	4.22	34.31		27.134	94.0	1.348	
									1000	3.72	34.45		27.237	84.2	1.444	
													27.400	68.8	1.613	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31137

CALCOFI CRUISE 7210																31137
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
31	0.0 N	137	0.0 W	10/01/72		2210 GMT						4697 M	040	06 KT	1	360 03 06
Z	T	S	02	P04	ST03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
11	21.87	34.519	5.20	0.06	2.	0.00	0.0	400.6	10	21.72	34.521	5.22	23.953	396.4	0.040	
1	21.70	34.521	5.22	0.04	2.	0.00	0.0	395.9	20	21.70	34.526	5.23	23.962	395.6	0.080	
30	21.70	34.531	5.24	0.05	1.	0.00	0.0	395.2	30	21.70	34.531	5.24	23.966	395.2	0.119	
55	19.38	34.531	5.23	0.08	2.	0.00	0.0	357.7	50	19.98	34.295	5.62	24.250	368.1	0.196	
70	16.71	34.169	5.92	0.05	2.	0.00	0.0	320.4	75	17.28	34.169	5.90	24.829	312.9	0.281	
84	16.91	34.191	5.83	0.05	2.	0.00	0.0	302.9	100	16.60	34.297	5.74	25.089	288.2	0.357	
99	16.61	34.289	5.75	0.05	2.	0.00	0.0	289.0	125	16.35	34.445	5.54	25.260	271.9	0.428	
128	16.32	34.456	5.51	0.06	3.	0.00	0.0	270.5	150	15.93	34.430	5.36	25.344	264.0	0.496	
152	15.88	34.422	5.35	0.08	2.	0.02	0.0	263.4	200	12.98	34.091	5.24	25.712	228.9	0.622	
177	14.68	34.282	5.30	0.15	3.	0.01	0.8	248.4	250	10.67	33.998	4.98	26.075	194.5	0.730	
211	12.17	34.016	5.20	0.25	4.	0.00	2.0	219.3	300	9.45	34.029	4.79	26.306	172.5	0.825	
273	10.14	34.034	4.85	0.49	6.	0.00	5.5	218.4	400	7.44	34.003	4.03	26.595	145.1	0.990	
368	8.03	34.007	4.85	0.97	15.	0.00	13.9	183.0	500	6.02	34.039	2.02	26.813	124.4	1.131	
463	6.45	34.013	4.65	1.63	36.	0.01	22.8	153.0	600	5.17	34.136	0.90	26.993	107.3	1.253	
590	5.24	34.125	2.62	2.32	56.	0.00	31.0	131.6	700	4.61	34.248	0.41	27.146	92.8	1.361	
735	4.46	34.286	0.97	2.91	85.	0.00	40.1	108.9	800	4.22	34.342	0.36	27.262	81.8	1.455	
877	3.99	34.396	0.35	3.24	111.	0.00	42.8	88.5	1000	3.71	34.453	0.60	27.402	68.5	1.621	
1080	3.53	34.490	0.38	3.26	123.	0.00	44.1	75.5								
			0.74	3.20	132.	0.00	44.8	64.0								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31139

CALCOFT CRUISE 7210																31139
LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES	
31 0.0 N			139 0.0 W			10/02/72		1344 GMT			4697 M	040	09 KT		090 03 06	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	21.73	34.68					
									10	21.73	34.70		24.070	385.2	0.000	
									20	21.74	34.71		24.086	383.8	0.038	
									30	21.74	34.71		24.090	383.3	0.077	
									50	20.29	34.48		24.090	383.3	0.115	
									75	17.63	34.44		24.309	362.5	0.190	
									100	17.27	34.56		24.953	301.1	0.274	
									125	17.10	34.70		25.131	284.1	0.348	
									150	16.73	34.71		25.279	270.1	0.418	
									200	13.40	34.09		25.374	261.1	0.485	
									250	10.33	33.90		25.628	237.0	0.612	
									300	9.16	34.01		26.058	196.0	0.723	
									400	7.22	34.01		26.339	169.4	0.817	
									500	5.84	34.05		26.631	141.7	0.979	
									600	5.09	34.16		26.845	121.4	1.117	
									700	4.65	34.26		27.022	104.6	1.236	
									800	4.34	34.32		27.151	92.4	1.341	
									1000	3.66	34.45		27.232	84.7	1.438	
													27.406	68.2	1.606	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31141

CALCOFI CRUISE 7210																31141
LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31	5.0 N		141 14.0 W		10/03/72		0241 GMT		3398 M					090	12 KT	1
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	22.46	34.74					
									10	22.46	34.75		23.911	400.4	0.000	
									20	22.46	34.76		23.919	399.7	0.040	
									30	22.48	34.80		23.927	398.9	0.080	
									50	20.67	34.86		23.951	396.6	0.120	
									75	19.08	35.07		24.496	344.6	0.194	
									100	18.66	35.08		25.073	289.7	0.274	
									125	18.13	35.05		25.187	278.9	0.346	
									150	17.61	34.97		25.297	268.4	0.415	
									200	14.60	34.47		25.363	262.1	0.483	
									250	12.17	34.16		25.669	233.0	0.609	
									300	10.95	34.18		25.925	208.7	0.723	
									400	8.68	34.06		26.166	185.8	0.824	
									500	6.85	33.97		26.454	158.5	1.004	
									600	5.23	33.99		26.650	139.8	1.160	
									700	4.52	34.10		26.871	118.9	1.297	
									800	4.14	34.22		27.038	103.0	1.414	
									1000	3.56	34.43		27.174	90.2	1.518	
													27.400	68.8	1.692	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31143

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31	2.0 N	143	2.0 W	10/03/72		1250	6MT	4507	M	110		06	KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	22.63	35.28		24.272	366.0	0.000		
10									10	22.63	35.31		24.294	363.9	0.037		
20									20	22.64	35.33		24.307	362.7	0.073		
30									30	22.74	35.38		24.316	361.8	0.109		
50									50	20.53	34.89		24.556	338.9	0.180		
75									75	18.55	34.96		25.123	284.9	0.258		
100									100	18.00	34.94		25.245	273.4	0.329		
125									125	17.58	34.91		25.324	265.8	0.397		
150									150	17.13	34.82		25.364	262.1	0.464		
200									200	13.65	34.33		25.762	224.2	0.588		
250									250	11.63	34.18		26.042	197.6	0.696		
300									300	10.53	34.17		26.233	179.4	0.794		
400									400	8.50	34.04		26.466	157.3	0.969		
500									500	6.30	33.96		26.715	133.7	1.122		
600									600	5.00	34.00		26.906	115.6	1.253		
700									700	4.46	34.11		27.053	101.7	1.368		
800									800	4.12	34.23		27.184	89.2	1.470		
1000									1000	3.69	34.42		27.379	70.8	1.646		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31145

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31	0.0 N	145	0.0 W	10/04/72		0330	6MT	5661	M	090		06	KT			090 03 06	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	23.49	35.50		24.190	373.8	0.000		
10									10	23.40	35.51		24.224	370.6	0.037		
20									20	23.33	35.52		24.252	368.0	0.074		
30									30	23.32	35.52		24.254	367.7	0.111		
50									50	22.66	35.50		24.430	351.0	0.183		
75									75	18.77	35.09		25.167	280.8	0.263		
100									100	18.04	35.04		25.311	267.0	0.332		
125									125	16.96	34.87		25.442	254.6	0.398		
150									150	14.92	34.62		25.715	228.6	0.460		
200									200	12.68	34.31		25.942	207.1	0.571		
250									250	11.62	34.25		26.098	192.2	0.674		
300									300	10.68	34.20		26.230	179.7	0.770		
400									400	9.01	34.09		26.425	161.2	0.947		
500									500	6.77	33.99		26.677	137.3	1.104		
600									600	5.16	34.00		26.887	117.4	1.238		
700									700	4.46	34.12		27.061	100.9	1.354		
800									800	4.13	34.22		27.175	90.1	1.457		
1000									1000	3.64	34.41		27.376	71.1	1.633		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

31145

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31	0.0 N	145	0.0 W	10/04/72		0442	6MT	5661	M	090		06	KT			090 03 06	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	23.39	35.447	4.98	0.00	1.	0.01	0.0	374.9	0	23.39	35.447	4.98	24.179	374.9	0.000		
10	23.42	35.461	5.07	0.00	1.	0.01	0.0	374.7	10	23.42	35.461	5.07	24.181	374.7	0.037		
20	23.33	35.444	5.03	0.00	0.	0.01	0.0	373.4	20	23.37	35.452	5.05	24.188	374.0	0.075		
30	22.62	35.450	5.01	0.00	1.	0.01	0.0	353.5	30	23.30	35.444	5.03	24.203	372.6	0.112		
50	19.86	35.156	5.64	0.00	3.	0.01	0.0	302.7	50	22.71	35.448	5.01	24.377	356.0	0.186		
75	18.91	35.037	5.56	0.00	3.	0.01	0.0	288.0	75	19.20	35.077	5.60	25.047	292.2	0.267		
96	18.35	35.013	5.43	0.00	4.	0.00	0.0	276.3	100	18.22	35.000	5.40	25.237	274.1	0.339		
125	17.42	34.897	5.26	0.05	3.	0.05	0.3	263.0	125	17.42	34.897	5.26	25.353	263.0	0.407		
149	16.52	34.787	5.09	0.14	4.	0.01	1.9	250.8	150	16.43	34.775	5.09	25.494	249.7	0.472		
172	14.44	34.523	5.03	0.30	7.	0.01	4.7	225.9	200	13.09	34.379	5.04	25.913	209.9	0.589		
205	12.94	34.364	5.04	0.45	8.	0.00	7.6	208.0	250	11.95	34.288	5.07	26.066	195.3	0.693		
266	11.73	34.276	5.07	0.65	11.	0.00	10.3	192.3	300	11.08	34.228	5.01	26.181	184.4	0.792		
359	9.94	34.154	4.91	0.98	20.	0.00	15.1	171.0	400	9.12	34.117	4.62	26.429	160.9	0.972		
452	8.07	34.079	4.13	1.45	34.	0.00	22.2	148.2	500	7.02	34.035	3.57	26.678	137.2	1.128		
577	5.59	34.099U	2.58	2.31	67.	0.00	34.2		600	5.31	34.030	2.26	26.893	116.8	1.262		
722	4.39	34.155	0.84	2.81	102.	0.00	41.8	97.6	700	4.50	34.131	1.06	27.064	100.6	1.378		
866	3.93	34.281	0.37	3.15	120.	0.00	45.2	83.5	800	4.09	34.225	0.48	27.183	89.3	1.480		
1071	3.49	34.472	0.39	3.17	135.	0.01	46.6	65.0	1000	3.64	34.406	0.38	27.372	71.4	1.656		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27125

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27	0.0 N	125	0.0 W	10/10/72		2103	6MT	4121	M							490	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	21.07	34.14		23.842	407.0	0.000		
10									10	20.98	34.14		23.866	404.7	0.041		
20									20	20.97	34.15		23.877	403.7	0.081		
30									30	20.96	34.15		23.879	403.4	0.122		
50									50	19.64	33.99		24.107	381.8	0.200		
75									75	17.38	33.91		24.608	333.9	0.290		
100									100	17.19	34.09		24.791	316.5	0.372		
125									125	16.60	34.30		25.091	288.0	0.449		
150									150	14.33	33.90		25.289	269.2	0.519		
200									200	10.76	33.74		25.859	215.0	0.643		
250									250	9.58	33.93		26.208	181.8	0.744		
300									300	8.52	34.01		26.440	159.8	0.832		
400									400	6.75	34.06		26.737	131.6	0.983		
500									500	5.60	34.14		26.945	111.9	1.111		
600									600	5.16	34.27		27.100	97.2	1.222		
700									700	4.99	34.40		27.223	85.5	1.321		
800									800	4.66	34.45		27.300	78.2	1.411		
1000									1000	3.96	34.53		27.439	65.1	1.572		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27125

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 0.0 N		125 0.0 W		10/10/72		2238 GMT		4121 M			1	490			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	21.09	34.118	4.79	0.20	3.	0.01	0.0	409.1	0	21.09	34.118	4.79	23.820	409.1	0.000
10	20.97	34.116	4.96	0.17	2.	0.00	0.0	406.2	10	20.97	34.116	4.96	23.851	406.2	0.041
30	20.95	34.115	4.73	0.16	2.	0.00	0.0	405.7	20	20.96	34.116	4.85	23.853	405.9	0.081
55	18.25	33.929	5.35	0.15	3.	0.00	0.0	352.7	30	20.95	34.115	4.73	23.856	405.7	0.122
70	17.66	33.914	5.09	0.17	2.	0.00	0.0	340.1	50	18.82	33.961	5.24	24.293	364.0	0.199
84	17.19	33.951	5.53	0.18	2.	0.00	0.0	326.6	75	17.49	33.925	5.24	24.594	335.3	0.287
99	16.73	33.992	5.46	0.16	3.	0.00	0.0	313.3	100	16.72	34.001	5.46	24.833	312.6	0.369
129	16.55	34.251	5.28	0.16	2.	0.01	0.0	290.5	125	16.57	34.217	5.32	25.034	293.5	0.446
153	14.38	33.904	4.88	0.32	3.	0.01	1.9	269.9	150	14.70	33.955	4.94	25.252	272.7	0.517
178	12.31	33.709	4.35	0.60	7.	0.00	5.7	244.4	200	10.92	33.736	3.93	25.827	218.0	0.642
212	10.32	33.787	3.74	1.06	15.	0.01	13.4	204.2	250	9.34	33.926	3.44	26.244	178.4	0.744
276	8.99	34.004	3.30	1.43	28.	0.00	20.9	167.2	300	8.45	34.024	3.05	26.461	157.8	0.830
374	6.99	34.033	2.22	2.28	56.	0.00	29.5	136.9	400	6.66	34.052	1.95	26.740	131.3	0.980
471	5.99	34.113	1.31	2.78	74.	0.01	35.6	118.5	500	5.75	34.142	1.10	26.928	113.5	1.109
602	5.13	34.250	0.58	3.15	95.	0.00	40.6	98.3	600	5.14	34.248	0.59	27.086	98.6	1.221
752	4.76	34.399	0.55	3.27	108.	0.00	41.3	83.1	700	4.86	34.353	0.56	27.201	87.6	1.322
896	4.30	34.470	0.53	3.21	118.	0.00	42.8	73.0	800	4.61	34.428	0.54	27.289	79.3	1.413
1097	3.76	34.509	0.85	3.20	129.	0.01	44.2	64.7	1000	4.02	34.490	0.70	27.400	68.7	1.579

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27127

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 0.0 N		127 0.0 W		10/10/72		1031 GMT		4507 M	000	00 KT	1	320 01 07			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
	0	21.35	34.31							21.35	34.31		23.895	402.0	0.000
	10	21.32	34.31							21.32	34.31		23.903	401.2	0.040
	20	21.25	34.31							21.25	34.31		23.922	399.4	0.080
	30	21.21	34.31							21.21	34.31		23.933	398.3	0.120
	50	20.67	34.28							20.67	34.28		24.056	386.6	0.199
	75	17.16	33.92							17.16	33.92		24.669	328.2	0.289
	100	16.46	33.94							16.46	33.94		24.848	311.1	0.369
	125	15.85	34.03							15.85	34.03		25.056	291.3	0.446
	150	14.87	33.91							14.87	33.91		25.181	279.5	0.518
	200	11.33	33.67							11.33	33.67		25.702	229.9	0.648
	250	9.34	33.89							9.34	33.89		26.216	181.0	0.753
	300	8.35	34.00							8.35	34.00		26.458	158.1	0.840
	400	6.81	34.11							6.81	34.11		26.766	128.9	0.989
	500	5.53	34.15							5.53	34.15		26.962	110.3	1.115
	600	5.07	34.25							5.07	34.25		27.095	97.6	1.225
	700	4.77	34.37							4.77	34.37		27.224	85.4	1.324
	800	4.45	34.43							4.45	34.43		27.307	77.5	1.413
	1000	3.86	34.51							3.86	34.51		27.433	65.6	1.573

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27129

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 0.0 N		129 0.0 W		10/10/72		0011 GMT		4507 M	320	07 KT	1	320 02 07			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	21.17	34.09		23.777	413.2	0.000
									10	21.15	34.10		23.790	412.0	0.041
									20	21.08	34.11		23.816	409.4	0.082
									30	21.06	34.12		23.830	408.2	0.123
									50	19.09	34.04		24.286	364.7	0.201
									75	17.12	33.98		24.724	322.9	0.287
									100	16.26	33.99		24.932	303.1	0.366
									125	15.81	34.04		25.073	289.8	0.441
									150	14.61	33.93		25.252	272.7	0.513
									200	10.93	33.63		25.743	226.0	0.639
									250	9.22	33.92		26.259	177.0	0.742
									300	8.19	33.98		26.466	157.3	0.828
									400	6.88	34.10		26.748	130.5	0.978
									500	6.08	34.23		26.956	110.8	1.105
									600	5.25	34.28		27.098	97.4	1.216
									700	4.87	34.38		27.221	85.7	1.315
									800	4.43	34.43		27.310	77.3	1.404
									1000	3.86	34.51		27.433	65.6	1.564

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27131

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 0.0 N		131 0.0 W		10/09/72		0820 GMT		4507 M	330	03 KT	1	330 02 05			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
	0	21.21	34.25						0	21.21	34.25		23.887	402.7	0.000
	10	21.21	34.26						10	21.21	34.26		23.895	402.0	0.040
	20	21.22	34.27						20	21.22	34.27		23.900	401.5	0.080
	30	21.22	34.28						30	21.22	34.28		23.907	400.8	0.121
	50	20.50	34.38						50	20.50	34.38		24.177	375.0	0.199
	75	18.43	34.31						75	18.43	34.31		24.658	329.3	0.287
	100	17.39	34.28						100	17.39	34.28		24.889	307.3	0.367
	125	16.92	34.28						125	16.92	34.28		25.001	296.6	0.444
	150	16.41	34.31						150	16.41	34.31		25.143	283.1	0.517
	200	13.41	33.97						200	13.41	33.97		25.533	245.9	0.652
	250	10.21	33.84						250	10.21	33.84		26.032	198.5	0.766
	300	8.85	33.96						300	8.85	33.96		26.349	168.4	0.860
	400	7.12	34.07						400	7.12	34.07		26.692	135.9	1.018
	500	6.11	34.18						500	6.11	34.18		26.913	114.9	1.150
	600	5.05	34.22						600	5.05	34.22		27.074	99.7	1.264
	700	4.67	34.32						700	4.67	34.32		27.196	88.1	1.365
	800	4.32	34.41						800	4.32	34.41		27.306	77.7	1.455
	1000	3.78	34.51						1000	3.78	34.51		27.441	64.8	1.614

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27133

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N		133 0.0 W		10/08/72		2234 GMT			4697 M	330	06 KT	2	330 02 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	21.75	34.73		24.103	382.1	0.000
									10	21.72	34.75		24.126	379.9	0.038
									20	21.69	34.76		24.142	378.4	0.076
									30	21.69	34.76		24.142	378.4	0.114
									50	21.20	34.65		24.193	373.5	0.190
									75	17.52	34.30		24.873	308.8	0.275
									100	17.01	34.28		24.979	298.6	0.352
									125	16.51	34.45		25.227	275.1	0.425
									150	16.34	34.54		25.335	264.8	0.493
									200	12.33	33.96		25.739	226.4	0.618
									250	10.12	33.93		26.118	190.4	0.725
									300	8.81	33.99		26.379	165.6	0.817
									400	6.85	34.01		26.682	136.9	0.974
									500	5.43	34.06		26.903	115.9	1.106
									600	4.88	34.21		27.095	98.6	1.219
									700	4.69	34.34		27.210	86.8	1.319
									800	4.33	34.41		27.305	77.8	1.409
									1000	3.80	34.50		27.431	65.8	1.569

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27133

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N		133 0.0 W		10/08/72		2341 GMT			4697 M	330	06 KT	2	330 02 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	21.75	34.718	3.920	0.12	2.	0.00	0.1	383.0	10	21.73	34.738	3.200	24.113	381.2	0.038
11	21.73	34.739	4.49	0.12	2.	0.00	0.0	381.0	20	21.72	34.732	4.41	24.112	381.2	0.076
31	21.71	34.723	4.31	0.07	1.	0.00	0.0	381.6	30	21.71	34.724	4.32	24.109	381.6	0.115
56	20.40	34.627	4.81	0.08	2.	0.00	0.0	354.6	50	20.94	34.682	4.69	24.289	364.4	0.190
71	17.94	34.304	4.72	0.10	2.	0.00	0.0	318.2	75	17.84	34.323	4.58	24.814	314.4	0.275
86	17.55	34.306	4.17	0.13	2.	0.00	0.0	309.0	100	17.14	34.289	4.29	24.955	300.9	0.353
100	17.14	34.289	5.540	0.13	3.	0.00	0.0	300.9	125	16.52	34.357	4.52	25.153	282.1	0.426
130	16.45	34.384	4.56	0.17	3.	0.01	0.3	278.6	150	16.69	34.549	4.28	25.260	271.9	0.497
155	16.72	34.580	4.19	0.15	3.	0.02	0.7	270.3	200	13.46	34.140	4.29	25.653	234.5	0.626
179	15.70	34.486	3.87	0.26	5.	0.01	2.5	254.8	250	10.25	33.901	3.82	26.073	194.7	0.736
214	11.28	33.930	4.60	0.63	8.	0.00	7.4	220.4	300	9.14	34.010	2.61	26.342	169.1	0.829
279	9.71	33.999	2.85	1.23	20.	0.01	17.4	178.7	400	7.04	34.037	2.05	26.677	137.3	0.988
376	7.46	34.033	2.20	1.97	45.	0.00	26.4	143.2	500	5.65	34.084	1.40	26.895	116.6	1.121
473	5.99	34.059	1.59	2.62	69.	0.01	34.3	122.5	600	4.72	34.204	0.78	27.099	97.3	1.235
603	4.70	34.208	0.76	3.06	99.	0.01	40.4	96.8	700	4.54	34.341	0.57	27.227	95.2	1.333
752	4.45	34.390	0.47	3.21	111.	0.01	41.1	80.5	800	4.30	34.426	0.54	27.320	76.3	1.421
895	3.99	34.476	0.75	3.21	122.	0.00	42.9	69.5	1000	3.76	34.494	0.88	27.430	65.9	1.579
1099	3.54	34.511	1.00	3.14	131.	0.00	44.1	62.5							

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27135

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N		135 0.0 W		10/08/72		0627 GMT			4697 M	330	06 KT	1			
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	22.24	35.03		24.193	373.5	0.000
									10	22.24	35.05		24.208	372.1	0.037
									20	22.21	35.05		24.217	371.3	0.075
									30	22.18	35.05		24.225	370.5	0.112
									50	20.62	34.90		24.540	340.5	0.183
									75	19.04	34.78		24.862	309.8	0.265
									100	18.12	34.77		25.085	288.5	0.340
									125	17.06	34.58		25.197	277.9	0.412
									150	16.86	34.72		25.351	263.2	0.481
									200	13.11	33.99		25.609	238.7	0.609
									250	10.96	34.02		26.059	196.0	0.720
									300	9.81	34.07		26.279	175.1	0.816
									400	7.24	33.99		26.612	143.4	0.981
									500	5.86	34.06		26.850	120.9	1.120
									600	5.02	34.15		27.022	104.6	1.239
									700	4.53	34.27		27.172	90.4	1.343
									800	4.20	34.36		27.279	80.3	1.436
									1000	3.70	34.47		27.417	67.1	1.599

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27137

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N		137 0.0 W		10/07/72		1920 GMT			5080 M	010	05 KT	1	070 03 05		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	22.51	35.13		24.192	373.6	0.000
									10	22.45	35.14		24.217	371.3	0.037
									20	22.44	35.15		24.227	370.3	0.074
									30	22.43	35.16		24.238	369.3	0.111
									50	22.43	35.16		24.238	369.3	0.186
									75	20.07	34.89		24.679	327.2	0.273
									100	18.82	34.80		24.933	303.0	0.353
									125	17.43	34.58		25.108	286.3	0.427
									150	16.09	34.46		25.331	265.2	0.497
									200	12.99	34.05		25.679	232.0	0.624
									250	10.37	33.96		26.098	192.3	0.733
									300	9.40	34.05		26.331	170.1	0.826
									400	7.15	34.00		26.633	141.5	0.988
									500	5.89	34.06		26.847	121.2	1.126
									600	5.22	34.20		27.038	103.1	1.245
									700	4.80	34.31		27.174	90.2	1.348
									800	4.49	34.40		27.279	80.2	1.441
									1000	3.97	34.50		27.414	67.4	1.606

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27139

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N			139 0.0 W			10/07/72		0827 GMT		4313 M	040	12 KT	1	060 05 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	22.48	35.10		24.178	375.0	0.000	
									10	22.48	35.12		24.193	373.5	0.037	
									20	22.49	35.13		24.198	373.0	0.075	
									30	22.49	35.13		24.198	373.0	0.112	
									50	22.49	35.13		24.198	373.0	0.187	
									75	19.07	34.60		24.796	316.1	0.274	
									100	18.81	34.93		25.035	293.4	0.351	
									125	18.41	34.96		25.158	281.6	0.424	
									150	17.65	34.92		25.315	266.7	0.493	
									200	15.50	34.58		25.557	243.7	0.624	
									250	11.23	34.02		25.992	202.4	0.738	
									300	9.60	34.03		26.283	174.7	0.835	
									400	7.53	34.02		26.595	145.1	1.001	
									500	6.19	34.07		26.816	124.1	1.143	
									600	5.18	34.20		27.043	102.6	1.263	
									700	4.78	34.31		27.176	90.0	1.366	
									800	4.53	34.39		27.267	81.4	1.460	
									1000	4.01	34.51		27.418	67.1	1.625	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27141

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N			141 0.0 W			10/06/72		2025 GMT		4589 M	070	15 KT	1	070 05 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	22.93	35.22		24.140	378.5	0.000	
									10	22.93	35.23		24.148	377.8	0.038	
									20	22.93	35.24		24.155	377.1	0.076	
									30	22.92	35.24		24.152	376.8	0.113	
									50	22.92	35.25		24.166	376.1	0.189	
									75	19.58	34.82		24.754	320.1	0.277	
									100	18.51	34.76		24.981	298.5	0.355	
									125	18.22	34.85		25.121	285.1	0.429	
									150	17.74	34.86		25.247	273.1	0.500	
									200	15.51	34.51		25.501	249.0	0.633	
									250	11.90	34.06		25.899	211.2	0.751	
									300	10.15	34.06		26.214	181.3	0.852	
									400	7.74	34.03		26.569	147.5	1.023	
									500	6.05	34.07		26.834	122.4	1.164	
									600	5.23	34.15		26.997	106.9	1.286	
									700	4.81	34.30		27.164	91.1	1.392	
									800	4.35	34.38		27.278	80.3	1.485	
									1000	3.83	34.50		27.428	66.1	1.648	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27141

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N			141 0.0 W			10/06/72		2134 GMT		4889 M	070	15 KT	1	070 05 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	22.97	35.186	4.60	0.08	2.	0.00	0.2	382.1	10	22.95	35.187	4.44	24.110	381.5	0.038	
11	22.95	35.188	6.47	0.07	2.	0.01	0.1	381.4	20	22.95	35.189	4.26	24.111	381.3	0.076	
31	22.95	35.191	4.06	0.06	1.	0.00	0.1	381.2	30	22.95	35.191	4.08	24.113	381.2	0.115	
56	22.24	35.169	4.02	0.09	2.	0.00	0.1	363.5	50	22.41	35.134	4.03	24.224	370.6	0.190	
70	19.96	34.752	4.42	0.07	2.	0.00	0.1	334.5	75	19.65	34.719	4.38	24.658	329.2	0.278	
85	19.39	34.731	4.23	0.09	1.	0.01	0.0	321.9	100	19.00	34.774	4.32	24.868	309.3	0.359	
100	19.00	34.774		0.08	3.	0.01	0.1	309.3	125	18.46	34.813	4.45	25.034	293.5	0.435	
130	18.36	34.816	4.47	0.10	2.	0.03	0.0	290.9	150	17.92	34.809	4.14	25.165	281.0	0.508	
154	17.82	34.803	4.05	0.17	2.	0.02	1.0	279.1	200	15.65	34.512	3.62	25.471	251.9	0.644	
179	16.96	34.696	3.36	0.21	4.	0.02	2.0	267.2	250	12.51	34.167	4.05	25.864	214.5	0.764	
214	14.67	34.386	3.94	0.37	5.	0.01	4.0	240.6	300	10.26	34.033	3.86	26.173	185.1	0.867	
277	11.12	34.067	4.13	0.84	12.	0.00	12.0	197.0	400	7.77	34.030	2.49	26.569	147.6	1.039	
375	8.29	34.025	2.71	1.67	34.	0.01	22.8	155.4	500	6.20	34.084	1.72	26.826	123.1	1.181	
471	6.58	34.063	1.97	2.40	59.	0.01	30.6	129.5	600	5.23	34.172	0.97	27.015	105.3	1.302	
603	5.21	34.175	0.95	3.03	89.	0.00	39.8	104.8	700	4.78	34.273	0.54	27.146	92.8	1.409	
753	4.64	34.324	0.45	3.22	106.	0.00	41.9	87.5	800	4.43	34.364	0.49	27.257	82.3	1.504	
899	4.03	34.436	0.69	3.19	120.	0.00	42.7	72.8	1000	3.82	34.471	0.81	27.407	68.1	1.671	
1106	3.59	34.508	0.93	3.15	129.	0.00	43.9	63.2								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27143

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 56.0 N			143 0.0 W			10/06/72		0319 GMT		4889 M	090	20 KT	2	080 06 07		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.14	35.51		24.299	363.4	0.000	
									10	23.14	35.53		24.314	362.0	0.036	
									20	23.14	35.54		24.322	361.3	0.073	
									30	23.15	35.55		24.326	360.8	0.109	
									50	22.78	35.51		24.403	353.5	0.180	
									75	19.91	35.28		25.017	295.0	0.262	
									100	19.17	35.24		25.179	279.6	0.335	
									125	18.62	35.18		25.273	270.7	0.404	
									150	17.95	35.07		25.356	262.8	0.472	
									200	15.27	34.63		25.646	235.2	0.600	
									250	12.19	34.27		26.006	201.0	0.712	
									300	10.97	34.22		26.194	183.2	0.811	
									400	8.67	34.06		26.455	158.3	0.989	
									500	6.46	34.01		26.734	131.9	1.141	
									600	5.40	34.12		26.953	111.1	1.269	
									700	4.74	34.25		27.133	94.1	1.379	
									800	4.32	34.35		27.258	82.2	1.475	
									1000	3.78	34.49		27.425	66.4	1.640	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

27145

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 0.0 N			145 6.0 W			10/05/72		1440 GMT		5080 M	180	10 KT	5	080 05 06		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	23.69	35.20							0	23.69	35.20		23.904	401.1	0.000	
10	23.67	35.22							10	23.67	35.22		23.925	399.1	0.040	
20	23.69	35.23							20	23.69	35.23		23.927	398.9	0.080	
30	23.69	35.24							30	23.69	35.24		23.935	398.2	0.120	
50	23.47	35.24							50	23.47	35.24		23.999	392.0	0.199	
75	21.21	35.34							75	21.21	35.34		24.714	323.9	0.299	
100	19.51	35.22							100	19.51	35.22		25.076	289.4	0.367	
125	18.92	35.18							125	18.92	35.18		25.197	277.9	0.439	
150	18.49	35.13							150	18.49	35.13		25.268	271.2	0.509	
200	16.54	34.78							200	16.54	34.78		25.472	251.7	0.642	
250	13.05	34.29							250	13.05	34.29		25.853	215.6	0.762	
300	11.17	34.13							300	11.17	34.13		26.088	193.2	0.868	
400	8.37	34.01							400	8.37	34.01		26.463	157.6	1.050	
500	6.53	33.99							500	6.53	33.99		26.709	134.3	1.203	
600	5.30	34.10							600	5.30	34.10		26.950	111.4	1.333	
700	4.72	34.21							700	4.72	34.21		27.103	96.9	1.444	
800	4.29	34.33							800	4.29	34.33		27.245	83.4	1.542	
1000	3.80	34.46							1000	3.80	34.46		27.400	68.9	1.710	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24119

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			119 0.0 W			10/23/72		2241 GMT		4313 M	040	10 KT	1	020 03 05		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
	0	22.36	34.15						0	22.36	34.15		23.487	440.8	0.000	
	10	22.29	34.15						10	22.29	34.15		23.513	438.4	0.044	
	20	22.23	34.16						20	22.23	34.16		23.537	436.1	0.088	
	30	22.22	34.16						30	22.22	34.16		23.540	435.8	0.131	
	50	19.55	33.79						50	19.55	33.79		23.978	394.0	0.215	
	75	16.49	33.59						75	16.49	33.59		24.573	337.3	0.307	
	100	14.89	33.54						100	14.89	33.54		24.892	306.9	0.388	
	125	13.56	33.62						125	13.56	33.62		25.233	274.5	0.461	
	150	12.05	33.65						150	12.05	33.65		25.553	244.1	0.527	
	200	10.16	33.89						200	10.16	33.89		26.079	194.0	0.638	
	250	8.90	33.98						250	8.90	33.98		26.357	167.7	0.731	
	300	8.26	34.17						300	8.26	34.17		26.604	144.2	0.811	
	400	7.33	34.25						400	7.33	34.25		26.804	125.3	0.952	
	500	6.41	34.34						500	6.41	34.34		27.000	106.6	1.075	
	600	5.75	34.39						600	5.75	34.39		27.124	94.9	1.183	
	700	5.35	34.46						700	5.35	34.46		27.228	85.0	1.281	
	800	4.91	34.47						800	4.91	34.47		27.288	79.4	1.372	
	1000	4.18	34.52						1000	4.18	34.52		27.402	68.0	1.538	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24119

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
24 0.0 N		119 0.0 W		10/23/72		2338 GMT		4313 M	040	10 KT	1	020 03 05			
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
0	22.31	34.183	5.16	0.25	2.	0.01	0.0	436.6	0	22.31	34.183	5.16	23.532	436.6	0.000
10	22.23	34.170	5.25	0.23	2.	0.01	0.0	435.4	10	22.23	34.170	5.25	23.545	435.4	0.044
20	22.22	34.170	5.28	0.23	0.	0.00	0.0	435.1	20	22.22	34.170	5.26	23.546	435.2	0.087
30	22.22	34.170	5.28	0.24	2.	0.01	0.1	364.2	30	22.22	34.170	5.28	23.548	435.1	0.131
40	17.36	33.680	6.03	0.27	2.	0.00	0.0	350.2	40	19.23	33.924	5.67	24.160	376.6	0.212
50	16.09	33.603	6.02	0.32	1.	0.00	0.0	327.7	50	16.83	33.638	6.03	24.530	341.4	0.303
60	15.27	33.596	5.91	0.29	2.	0.01	0.0	310.7	60	15.14	33.601	5.87	24.884	307.7	0.384
70	13.27	33.681	5.19	0.53	5.	0.05	3.5	264.4	70	13.48	33.672	5.27	25.290	269.1	0.457
80	11.73	33.684	4.88	0.86	8.	0.01	8.8	235.8	80	11.85	33.683	4.91	25.616	238.0	0.521
90	10.73	33.829	3.93	1.31	17.	0.01	15.2	207.9	90	10.05	33.919	3.63	26.121	190.1	0.630
100	9.76	33.956	3.54	1.63	24.	0.00	20.6	182.7	100	9.05	34.078	2.90	26.409	162.7	0.721
110	8.73	34.143	2.44	2.18	38.	0.00	27.3	153.1	110	8.49	34.199	1.99	26.592	145.3	0.800
120	7.83	34.309	0.87	2.84	57.	0.00	30.9	127.7	120	7.47	34.315	0.79	26.874	122.4	0.940
130	6.59	34.316	0.56	3.13	73.	0.00	37.4	110.7	130	6.35	34.334	0.52	27.004	106.3	1.061
140	5.78	34.406	0.45	3.28	86.	0.00	38.5	94.1	140	5.78	34.405	0.45	27.132	94.2	1.169
150	5.21	34.478	0.29	3.38	99.	0.00	41.5	82.1	150	5.39	34.459	0.33	27.223	85.5	1.267
160	4.55	34.498	0.47	3.38	110.	0.00	43.2	73.5	160	4.98	34.487	0.34	27.293	78.9	1.358
170	3.91	34.537	0.65	3.38	125.	0.00	44.4	64.1	170	4.22	34.518	0.56	27.402	68.6	1.524

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24121

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			121 0.0 W			10/24/72		1018 GMT		3929 M	050	12 KT		050 02 13		
Z	T	S	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
	0	21.77	33.99										23.537	436.1	0.000	
	10	21.77	34.00										23.544	435.4	0.044	
	20	21.78	34.01										23.549	434.9	0.087	
	30	21.79	34.04										23.569	433.1	0.131	
	50	19.64	33.84										23.993	392.6	0.214	
	75	17.27	33.64										24.428	351.1	0.307	
	100	15.20	33.55										24.832	312.6	0.391	
	125	13.65	33.48										25.106	286.5	0.466	
	150	11.87	33.60										25.548	244.5	0.533	
	200	9.83	33.94										26.174	185.0	0.643	
	250	8.75	34.03										26.420	161.7	0.732	
	300	8.10	34.11										26.582	146.3	0.811	
	400	7.06	34.22										26.818	123.9	0.952	
	500	6.47	34.33										26.985	108.1	1.075	
	600	5.79	34.37										27.103	96.9	1.185	
	700	5.38	34.43										27.201	87.6	1.285	
	800	4.86	34.45										27.278	80.4	1.378	
	1000	4.18	34.52										27.408	68.0	1.544	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24123

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			123 0.0 W			10/24/72		2142 GMT		3739 M	070	06 KT	2	050 02 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	22.25	34.39		23.706	420.0	0.000	
									10	22.15	34.40		23.741	416.6	0.042	
									20	22.10	34.41		23.763	414.6	0.083	
									30	22.08	34.41		23.768	414.0	0.125	
									50	22.05	34.40		23.769	414.0	0.208	
									75	18.52	33.99		24.391	354.6	0.305	
									100	16.61	33.82		24.721	323.2	0.390	
									125	15.48	33.83		24.985	298.1	0.469	
									150	13.84	33.67		25.214	276.3	0.541	
									200	11.00	33.78		25.847	216.1	0.667	
									250	9.34	33.97		26.279	175.1	0.767	
									300	8.56	34.12		26.520	152.2	0.851	
									400	7.65	34.30		26.797	125.9	0.996	
									500	6.70	34.35		26.969	109.6	1.121	
									600	5.98	34.39		27.095	97.6	1.232	
									700	5.42	34.43		27.196	88.1	1.334	
									800	4.95	34.46		27.275	80.6	1.427	
									1000	4.18	34.53		27.416	67.3	1.593	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24125

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N		125 0.0 W		10/25/72		0921 GMT		3929 M		050	10 KT	1	050 02		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	21.58	34.24		23.779	413.1	0.000
									10	21.55	34.25		23.794	411.6	0.041
									20	21.51	34.25		23.805	410.5	0.082
									30	21.49	34.26		23.818	409.3	0.123
									50	18.84	33.99		24.311	362.3	0.201
									75	17.18	33.88		24.633	331.6	0.288
									100	15.96	33.86		24.901	306.1	0.369
									125	14.69	33.87		25.189	278.7	0.442
									150	12.58	33.72		25.505	248.6	0.509
									200	10.59	33.96		26.060	195.8	0.622
									250	9.87	34.14		26.323	170.9	0.716
									300	8.50	34.11		26.521	152.1	0.800
									400	7.10	34.20		26.797	126.0	0.945
									500	6.21	34.30		26.995	107.2	1.068
									600	5.80	34.38		27.110	96.2	1.177
									700	5.37	34.43		27.202	87.5	1.277
									800	4.93	34.47		27.285	79.6	1.369
									1000	4.33	34.51		27.384	70.3	1.538

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24127

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N		127 0.0 W		10/25/72		2310 GMT		4121 M		050	06 KT	2	050 06 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	22.03	34.52		23.866	404.7	0.000
									10	21.99	34.53		23.884	403.0	0.040
									20	21.95	34.54		23.903	401.2	0.081
									30	21.91	34.55		23.922	399.4	0.121
									50	21.85	34.56		23.946	397.1	0.201
									75	19.11	34.22		24.419	352.1	0.295
									100	17.21	34.06		24.764	319.2	0.380
									125	15.89	33.97		25.001	296.6	0.457
									150	14.53	33.99		25.315	266.7	0.529
									200	11.31	33.82		25.822	218.5	0.652
									250	9.47	33.98		26.265	176.4	0.753
									300	8.59	34.08		26.484	155.7	0.839
									400	7.12	34.17		26.770	128.4	0.947
									500	6.39	34.30		26.971	109.4	1.112
									600	5.90	34.38		27.097	97.4	1.223
									700	5.30	34.42		27.202	87.5	1.324
									800	4.80	34.45		27.284	79.7	1.416
									1000	4.12	34.52		27.414	67.4	1.581

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24129

LATITUDE			LONGITUDE			MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			128 57.5 W			10/26/72	1238 GMT			4121 M	330	02 KT	0	050 06 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	21.73	34.48		23.919	399.7	0.000	
									10	21.74	34.49		23.924	399.2	0.040	
									20	21.73	34.50		23.934	398.2	0.080	
									30	21.75	34.53		23.951	396.6	0.120	
									50	21.82	34.58		23.970	394.8	0.199	
									75	18.16	33.97		24.465	347.6	0.292	
									100	17.21	33.99		24.710	324.2	0.377	
									125	15.45	33.89		25.038	293.0	0.455	
									150	13.15	33.68		25.362	262.2	0.526	
									200	10.56	33.83		25.964	205.0	0.644	
									250	8.93	33.98		26.352	168.1	0.740	
									300	8.18	34.10		26.562	148.2	0.821	
									400	6.56	34.10		26.791	126.5	0.964	
									500	6.03	34.27		26.994	107.2	1.097	
									600	5.59	34.36		27.120	95.3	1.196	
									700	5.22	34.42		27.212	86.6	1.294	
									800	4.86	34.46		27.285	79.6	1.386	
									1000	4.17	34.52		27.409	67.9	1.552	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24129

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N		128 57.5 W		10/26/72		1357 GMT			4121 M	330	02 KT	0	050 06 08		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	21.73	34.511	5.14	0.21	2.	0.03	0.0	397.4	0	21.73	34.511	5.14	23.942	397.4	0.000
10	21.74	34.511	5.18	0.20	3.	0.00	0.0	397.7	10	21.74	34.511	5.18	23.940	397.7	0.040
30	21.75	34.519	5.07	0.20	1.	0.04	0.0	397.4	20	21.74	34.515	5.13	23.941	397.5	0.080
54	21.34	34.468	5.16	0.20	2.	0.01	0.0	390.3	30	21.75	34.519	5.07	23.943	397.4	0.119
69	18.46	34.001	5.67	0.21	2.	0.00	0.0	352.4	50	21.41	34.476	5.14	24.005	391.5	0.199
84	18.18	34.135	5.68	0.22	1.	0.00	0.0	336.1	75	18.35	34.074	5.67	24.498	344.5	0.291
98	17.33	34.051	5.58	0.23	3.	0.00	0.0	322.5	100	17.24	34.051	5.56	24.750	320.4	0.375
128	15.54	33.941	5.16	0.36	3.	0.16	0.8	291.2	125	15.76	33.962	5.21	25.025	294.3	0.453
152	12.95	34.090U	4.68	0.74	6.	0.02	6.4		150	13.17	33.560	4.72	25.265	271.4	0.524
176	11.36	33.818	4.34	1.05	13.	0.01	11.9	219.5	200	10.41	33.900	4.14	26.044	197.4	0.644
211	10.10	33.910	4.05	1.35	19.	0.00	17.0	191.6	250	9.04	34.014	3.41	26.361	167.3	0.737
275	8.50	34.069	2.96	2.02	36.	0.00	26.1	155.2	300	8.01	34.089	2.64	26.578	146.7	0.818
372	6.94	34.120	1.81	2.61	59.	0.00	32.1	129.8	400	6.64	34.156	1.42	26.825	123.3	0.958
469	6.11	34.253	0.60	3.08	77.	0.00	38.3	109.4	500	5.95	34.289	0.54	27.020	104.8	1.079
599	5.57	34.379	0.36	3.21	85.	0.00	40.3	93.6	600	5.57	34.380	0.36	27.139	93.5	1.185
748	5.09	34.452	0.42	3.31	98.	0.00	42.2	82.7	700	5.24	34.435	0.40	27.221	85.7	1.282
891	4.54	34.491	0.49	3.37	108.	0.00	44.0	73.9	800	4.89	34.468	0.44	27.289	79.3	1.374
1081	3.95	34.528	0.71	3.34	119.	0.00	44.0	65.1	1000	4.20	34.512	0.62	27.399	68.9	1.540

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24131

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N		131 0.0 W		10/27/72		0119 GMT			4889 M	010	12 KT	2	010 04 06		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	21.52	34.54							0	21.52	34.54		24.022	389.8	0.000
10	21.52	34.54							10	21.52	34.54		24.022	389.8	0.039
20	21.49	34.56							20	21.49	34.56		24.046	387.6	0.078
30	21.48	34.58							30	21.48	34.58		24.064	385.9	0.117
50	21.50	34.60							50	21.50	34.60		24.073	385.0	0.194
75	18.76	34.30							75	18.76	34.30		24.567	337.9	0.285
100	17.88	34.34							100	17.88	34.34		24.816	314.2	0.367
125	17.22	34.40							125	17.22	34.40		25.021	294.6	0.444
150	16.58	34.35							150	16.58	34.35		25.134	283.9	0.518
200	12.66	33.92							200	12.66	33.92		25.644	255.4	0.650
250	10.03	33.87							250	10.03	33.87		26.086	193.4	0.760
300	8.73	34.06							300	8.73	34.06		26.446	159.2	0.850
400	7.41	34.21							400	7.41	34.21		26.761	129.3	1.001
500	6.70	34.34							500	6.70	34.34		26.962	110.3	1.127
600	6.12	34.41							600	6.12	34.41		27.093	97.9	1.239
700	5.55	34.44							700	5.55	34.44		27.188	88.8	1.341
800	5.02	34.47							800	5.02	34.47		27.275	80.6	1.475
1000	4.22	34.53							1000	4.22	34.53		27.412	67.7	1.602

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24133

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N		133 0.0 W		10/27/72		1554 GMT			7040 M	010	07 KT	2	350 05 07		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	22.80	34.89							0	22.80	34.89		23.928	398.8	0.000
10	22.80	34.90							10	22.80	34.90		23.936	398.1	0.040
20	22.80	34.90							20	22.80	34.90		23.936	398.1	0.080
30	22.80	34.91							30	22.80	34.91		23.943	397.3	0.120
50	22.81	34.91							50	22.81	34.91		23.940	397.6	0.199
75	22.81	34.92							75	22.81	34.92		23.948	396.9	0.299
100	20.21	34.48							100	20.21	34.48		24.330	360.5	0.395
125	18.27	34.51							125	18.27	34.51		24.850	311.0	0.480
150	17.60	34.51							150	17.60	34.51		25.014	295.3	0.557
200	14.57	34.20							200	14.57	34.20		25.468	252.1	0.696
250	11.17	33.98							250	11.17	33.98		25.972	204.3	0.813
300	9.70	34.00							300	9.70	34.00		26.243	178.5	0.912
400	7.54	34.09							400	7.54	34.09		26.648	140.0	1.077
500	6.01	34.13							500	6.01	34.13		26.886	117.4	1.212
600	5.32	34.27							600	5.32	34.27		27.081	98.9	1.327
700	4.88	34.35							700	4.88	34.35		27.196	88.1	1.428
800	4.64	34.43							800	4.64	34.43		27.286	79.5	1.520
1000	4.04	34.51							1000	4.04	34.51		27.415	67.4	1.685

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24135

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N		135 0.0 W		10/28/72		0329 GMT			5080 M	060	13 KT				
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	22.06	34.91							0	22.06	34.91		24.153	377.4	0.000
10	22.06	34.92							10	22.06	34.92		24.160	376.7	0.038
20	22.04	34.93							20	22.04	34.93		24.173	375.4	0.075
30	22.01	34.93							30	22.01	34.93		24.182	374.6	0.113
50	22.01	34.94							50	22.01	34.94		24.189	373.9	0.188
75	19.89	34.56							75	19.89	34.56		24.475	346.6	0.279
100	18.33	34.52							100	18.33	34.52		24.843	311.6	0.362
125	18.05	34.67							125	18.05	34.67		25.026	294.2	0.438
150	17.47	34.73							150	17.47	34.73		25.214	276.3	0.511
200	14.50	34.23							200	14.50	34.23		25.506	248.5	0.645
250	10.85	33.89							250	10.85	33.89		25.959	205.4	0.761
300	9.13	33.97							300	9.13	33.97		26.313	171.9	0.858
400	6.79	34.03							400	6.79	34.03		26.706	134.6	1.017
500	5.72	34.16							500	5.72	34.16		26.946	111.8	1.146
600	5.06	34.28							600	5.06	34.28		27.120	95.3	1.256
700	4.78	34.38							700	4.78	34.38		27.231	84.7	1.354
800	4.51	34.43							800	4.51	34.43		27.301	78.2	1.443
1000	3.84	34.52							1000	3.84	34.52		27.443	64.7	1.603

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24137

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			137 0.0 W			10/28/72		1354 GMT		4697 M	050	14 KT	2	050 05 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	22.65	34.99		24.047	387.5	0.000	
									10	22.66	35.00		24.051	387.0	0.039	
									20	22.66	35.01		24.059	386.3	0.077	
									30	22.66	35.02		24.066	385.6	0.116	
									50	22.45	35.05		24.149	377.8	0.193	
									75	22.41	35.06		24.168	376.0	0.288	
									100	19.82	35.11		24.912	305.1	0.374	
									125	18.56	34.90		25.075	289.5	0.449	
									150	18.33	34.99		25.201	277.5	0.521	
									200	15.58	34.43		25.424	256.4	0.657	
									250	11.59	34.04		25.941	207.2	0.776	
									300	9.70	34.00		26.243	178.5	0.875	
									400	7.34	34.01		26.614	143.3	1.042	
									500	5.89	34.09		26.870	119.0	1.180	
									600	5.16	34.20		27.045	102.4	1.297	
									700	4.83	34.34		27.194	88.3	1.400	
									800	4.50	34.43		27.302	78.1	1.491	
									1000	3.96	34.53		27.439	65.1	1.651	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24137

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			137 0.0 W			10/28/72		1502 GMT		4697 M	050	14 KT	2	050 05 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
4	22.68	35.006	5.05	0.18	2.		0.1	387.2	0	22.68	35.006		24.050	387.2	0.000	
13	22.64	35.007	5.07	0.19	2.		0.1	386.0	10	22.65	35.006	5.06	24.058	386.4	0.039	
33	22.67	35.024	5.08	0.16	1.		0.0	395.6	20	22.65	35.012	5.07	24.063	385.9	0.077	
56	22.47	35.031	5.830	0.15	2.		0.1	379.7	30	22.67	35.021	5.08	24.065	385.7	0.116	
70	22.45	35.042	5.10	0.14	1.		0.0	378.3	50	22.52	35.029	5.09	24.112	381.3	0.193	
85	22.43	35.065	5.08	0.13	0.		0.0	376.1	75	22.44	35.048	5.09	24.149	377.7	0.289	
99	22.41	35.103	5.37	0.10	2.		0.1	372.8	100	22.30	35.094	5.16	24.226	370.4	0.383	
129	18.78	34.919	5.17	0.14	2.		0.2	293.4	125	19.29	34.934	5.20	24.915	304.8	0.468	
152	18.67	35.045	5.16	0.13	1.		0.6	281.6	150	18.68	35.047	5.16	25.157	281.7	0.543	
177	18.04	34.950	5.10	0.45	3.		1.7	273.6	200	16.70	34.721	4.92	25.390	259.6	0.681	
211	15.90	34.595	4.82	0.40	4.		3.8	251.2	250	12.59	34.200	4.50	25.875	213.4	0.803	
273	10.74	34.054	4.47	1.07	14.		14.0	191.5	300	9.68	34.017	4.32	26.259	177.0	0.903	
369	8.29	34.048	3.73	1.71	35.		22.9	153.7	400	7.62	34.053	3.19	26.607	143.9	1.070	
466	6.43	34.081	1.97	2.50	62.		33.4	126.2	500	5.99	34.111	1.51	26.875	118.6	1.208	
596	5.14	34.220	0.64	3.07	85.		39.0	100.7	600	5.12	34.226	0.64	27.070	100.0	1.324	
744	4.66	34.414	0.55	3.24	107.		42.7	80.0	700	4.75	34.361	0.58	27.220	85.9	1.424	
887	4.18	34.498	0.88	3.23	115.		42.8	69.7	800	4.47	34.455	0.67	27.328	75.8	1.513	
1084	3.65	34.545	1.03	3.23	128.		42.8	61.0	1000	3.88	34.524	0.97	27.443	64.7	1.670	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24139

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 0.0 N			139 0.0 W			10/29/72		0145 GMT		5176 M	080	12 KT	1	050 05 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	21.77	34.84		24.181	374.7	0.000	
									10	21.77	34.86		24.196	373.3	0.037	
									20	21.77	34.87		24.203	372.5	0.075	
									30	21.75	34.87		24.209	372.0	0.112	
									50	21.67	34.86		24.223	370.4	0.187	
									75	18.89	34.55		24.725	322.8	0.274	
									100	18.36	34.65		24.934	302.9	0.353	
									125	18.01	34.79		25.128	284.5	0.427	
									150	17.63	34.87		25.282	269.9	0.498	
									200	14.22	34.25		25.581	241.4	0.628	
									250	10.53	33.96		26.070	194.0	0.740	
									300	9.31	34.01		26.315	171.7	0.834	
									400	7.11	34.03		26.662	138.7	0.996	
									500	5.65	34.07		26.884	117.7	1.130	
									600	4.90	34.22		27.091	98.1	1.244	
									700	4.49	34.33		27.224	85.4	1.343	
									800	4.33	34.44		27.328	75.6	1.431	
									1000	3.83	34.54		27.460	63.1	1.586	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24141

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
24 0.0 N		141 0.0 W		10/29/72		2125 GMT		4889 M		100		13 KT		1		100 05 0R	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.12	35.25		24.108	381.6	0.000		
									10	23.11	35.26		24.119	380.6	0.038		
									20	23.08	35.27		24.135	379.1	0.076		
									30	23.08	35.28		24.143	378.3	0.114		
									50	23.10	35.30		24.152	377.5	0.190		
									75	21.41	35.21		24.561	338.5	0.280		
									100	19.69	35.23		25.037	293.1	0.360		
									125	18.90	35.16		25.187	278.8	0.432		
									150	18.35	35.10		25.280	270.0	0.502		
									200	16.17	34.68		25.481	250.9	0.635		
									250	12.78	34.25		25.876	213.4	0.754		
									300	10.65	34.11		26.166	185.8	0.857		
									400	7.80	34.01		26.548	149.6	1.032		
									500	6.07	34.04		26.808	124.9	1.176		
									600	5.05	34.14		27.010	105.7	1.297		
									700	4.73	34.29		27.166	91.0	1.403		
									800	4.48	34.40		27.280	80.1	1.496		
									1000	3.92	34.50		27.419	67.0	1.660		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24143

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
24 0.0 N		142 50.0 W		10/30/72		1228 GMT		5369 M		100		16 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.44	34.86		23.721	418.6	0.000		
									10	23.42	34.87		23.734	417.3	0.042		
									20	23.43	34.88		23.739	416.9	0.084		
									30	23.43	34.89		23.746	416.1	0.125		
									50	23.43	34.89		23.746	416.1	0.209		
									75	23.24	34.90		23.809	410.2	0.313		
									100	20.72	34.82		24.452	348.8	0.408		
									125	19.73	35.01		24.859	310.1	0.492		
									150	19.42	35.11		25.016	295.2	0.569		
									200	17.73	34.89		25.273	270.7	0.713		
									250	14.05	34.31		25.663	233.6	0.843		
									300	11.82	34.13		25.968	204.6	0.956		
									400	8.64	34.03		26.437	160.1	1.145		
									500	6.61	34.03		26.730	132.3	1.299		
									600	5.15	34.12		26.983	108.3	1.426		
									700	4.68	34.25		27.139	93.4	1.534		
									800	4.65	34.40		27.262	81.9	1.629		
									1000	4.01	34.52		27.426	66.3	1.795		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

24143

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
24 0.0 N		142 50.0 W		10/30/72		1343 GMT		5369 M		100		16 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
1	23.41	34.868	4.98	0.22	2.	0.03	0.0	417.2	10	23.41	34.869	5.00	23.737	417.0	0.042		
11	23.41	34.870	5.00	0.22	1.	0.01	0.0	417.0	20	23.42	34.870	5.03	23.735	417.2	0.084		
31	23.43	34.870	5.04	0.20	0.	0.00	0.0	417.6	30	23.43	34.869	5.04	23.731	417.6	0.125		
56	23.43	34.873	4.92	0.20	2.	0.01	0.0	417.4	50	23.43	34.872	4.95	23.733	417.4	0.209		
70	23.41	34.869	4.89	0.20	1.	0.01	0.0	417.1	75	22.80	34.810	4.97	23.868	404.5	0.312		
85	21.44	34.717	5.15	0.19	1.	0.01	0.0	374.9	100	20.66	34.790	5.29	24.446	349.4	0.408		
100	20.66	34.790	5.29	0.20	2.	0.00	0.2	349.4	125	19.96	34.961	4.98	24.763	319.2	0.492		
130	19.87	34.993	4.90	0.18	2.	0.24	0.3	314.8	150	19.50	35.059	4.82	24.957	300.8	0.571		
154	19.43	35.065	4.82	0.19	1.	0.03	1.1	298.7	200	18.15	34.919	4.76	25.192	278.4	0.719		
179	18.90	35.027	4.81	0.24	3.	0.02	1.9	288.5	250	15.12	34.509	4.76	25.585	241.0	0.852		
213	17.56	34.831	4.73	0.30	3.	0.02	3.1	271.1	300	12.16	34.222	4.70	25.974	204.0	0.967		
276	13.32	34.316	4.78	0.62	7.	0.00	7.7	218.8	400	8.74	34.054	4.07	26.439	159.8	1.156		
374	9.49	34.081	4.46	1.31	24.	0.00	20.0	169.2	500	6.55	34.039	2.50	26.745	130.8	1.309		
470	7.12	34.028	2.89	2.16	50.	0.00	29.2	139.0	600	5.18	34.127	1.47	26.985	108.1	1.435		
601	5.17	34.128	1.46	2.97	85.	0.00	37.9	107.9	700	4.74	34.267	0.83	27.146	92.8	1.543		
750	4.68	34.336	0.67	3.22	107.	0.00	42.2	87.0	800	4.54	34.391	0.73	27.266	81.4	1.638		
894	4.29	34.469	0.83	3.24	111.	0.00	43.1	73.0	1000	4.03	34.492	0.95	27.401	68.7	1.805		
1096	3.80	34.514	1.06	3.17	119.	0.00	42.4	64.8									

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20119

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
20 0.0 N		119 0.0 W		11/07/72		1647 GMT		3739 M		060		18 KT		1		050 05 06	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.32	34.37		23.385	450.6	0.000		
									10	23.31	34.38		23.396	449.6	0.045		
									20	23.40	34.59		23.528	436.9	0.089		
									30	23.41	34.62		23.548	435.1	0.133		
									50	23.41	34.62		23.548	435.1	0.220		
									75	19.02	34.08		24.334	360.1	0.320		
									100	16.07	33.74		24.784	317.2	0.406		
									125	13.92	33.77		25.274	270.6	0.480		
									150	11.77	33.92		25.815	219.2	0.542		
									200	10.83	34.36		26.328	170.4	0.641		
									250	10.40	34.52		26.528	151.4	0.724		
									300	9.94	34.56		26.639	141.0	0.801		
									400	8.71	34.55		26.832	122.6	0.939		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20119

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			119 0.0 W			11/07/72		1803 GMT		3739 M	060	18 KT	1	050 05 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	23.47	34.344	4.93	0.25	2.	0.04	0.1	456.6	10	23.42	34.464	4.94	23.426	446.7	0.045	
11	23.42	34.477	4.94	0.22	1.	0.01	0.0	445.7	20	23.42	34.549	4.94	23.490	440.6	0.090	
30	23.43	34.587	4.94	0.20	0.	0.00	0.0	438.0	30	23.43	34.587	4.94	23.517	438.0	0.134	
55	23.32	34.570	4.97	0.21	2.	0.00	0.1	436.2	50	23.34	34.574	4.96	23.532	436.5	0.221	
69	19.75		5.42	0.25	2.	0.00	0.1		75	18.94	33.823	5.52	24.154	377.2	0.324	
84	18.14	33.959	5.59	0.24	0.	0.00	0.0	347.9	100	16.56	33.833	5.50	24.742	321.2	0.412	
98	16.82	33.849	5.52	0.29	3.	0.01	0.0	325.8	125	13.66	33.773	4.77	25.331	265.2	0.486	
128	13.35	33.782	4.63	0.72	7.	0.03	6.2	258.6	150	12.58	33.974	3.16	25.701	230.0	0.549	
152	12.53	33.990	3.04	1.47	15.	0.01	15.7	227.8	200	10.85	34.276	1.85	26.260	176.9	0.652	
176	10.79	33.992	2.91	1.77	24.	0.01	20.1	196.9	250	10.64	34.518	0.58	26.485	155.5	0.738	
210	10.87	34.363	1.34	2.37	32.	0.00	26.0	170.9	300	10.03	34.545	0.36	26.612	143.4	0.816	
272	10.41	34.533	0.44	2.73	38.	0.00	28.1	150.6	400	8.76	34.529	0.12	26.808	124.9	0.957	
368	9.05	34.524	0.16	2.97	52.	0.00	28.7	129.6	500	7.80	34.530	0.06	26.955	111.0	1.083	
463	8.23	34.535	0.07	3.13	59.	0.00	32.1	116.6	600	6.65	34.510	0.06	27.103	96.9	1.196	
592	6.73	34.513	0.05	3.31	72.	0.00	35.5	97.9	700	5.74	34.487	0.18	27.202	87.5	1.297	
739	5.45	34.481	0.23	3.37	93.	0.00	39.4	84.6	800	5.12	34.488	0.27	27.278	80.3	1.390	
881	4.77	34.501	0.33	3.42	104.	0.00	41.8	75.6	1000	4.33	34.502	0.48	27.377	70.9	1.560	
1082	4.03	34.505	0.58	3.25	107.	0.01	41.6	67.7								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20121

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			121 0.0 W			11/07/72		0138 GMT		4410 M	070	17 KT	2	050 04 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.44	34.57		23.501	439.5	0.000	
									10	23.44	34.58		23.509	438.8	0.044	
									20	23.44	34.59		23.517	438.0	0.088	
									30	23.42	34.59		23.522	437.5	0.132	
									50	23.41	34.59		23.525	437.2	0.219	
									75	20.99	34.23		23.932	398.4	0.325	
									100	17.94	34.01		24.550	339.6	0.417	
									125	15.51	33.87		25.009	295.8	0.498	
									150	13.02	33.91		25.565	242.9	0.566	
									200	12.13	34.55		26.234	179.3	0.674	
									250	11.32	34.62		26.441	159.7	0.761	
									300	10.63	34.64		26.581	146.4	0.841	
									400	9.11	34.57		26.784	127.1	0.985	
									500	7.82	34.52		26.944	111.9	1.113	
									600	6.83	34.50		27.070	100.1	1.228	
									700	6.08	34.50		27.169	90.6	1.333	
									800	5.46	34.52		27.262	81.8	1.429	
									1000	4.49	34.55		27.398	68.9	1.600	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20123

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			123 6.0 W			11/06/72		1259 GMT		3739 M	070	14 KT				
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	24.04	34.53		23.295	459.2	0.000	
									10	24.04	34.53		23.295	459.2	0.046	
									20	24.04	34.54		23.303	458.5	0.092	
									30	24.05	34.55		23.308	458.0	0.138	
									50	24.04	34.56		23.318	457.0	0.230	
									75	21.67	34.16		23.693	421.2	0.340	
									100	17.98	34.10		24.608	333.9	0.435	
									125	14.92	33.92		25.178	279.8	0.513	
									150	13.31	33.96		25.546	244.7	0.579	
									200	10.89	34.15		26.154	186.9	0.689	
									250	10.09	34.31		26.418	161.8	0.779	
									300	9.53	34.40		26.583	146.2	0.859	
									400	8.51	34.47		26.801	125.6	1.001	
									500	7.49	34.44		26.930	113.3	1.129	
									600	6.54	34.47		27.085	98.6	1.243	
									700	5.91	34.48		27.175	90.1	1.347	
									800	5.29	34.50		27.267	81.4	1.442	
									1000	4.50	34.56		27.405	68.3	1.611	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20125

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			125 0.0 W			11/05/72		2306 GMT		4121 M	050	16 KT	2	050 04 04		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	25.08	33.95		22.547	530.7	0.000	
									10	25.06	33.95		22.553	530.1	0.053	
									20	25.06	33.96		22.560	529.4	0.106	
									30	25.06	33.97		22.568	528.7	0.159	
									50	25.10	34.52		22.970	490.3	0.261	
									75	22.17	34.15		23.547	435.2	0.378	
									100	18.01	34.12		24.616	333.2	0.474	
									125	14.36	34.14		25.467	252.2	0.548	
									150	12.25	34.23		25.963	205.1	0.606	
									200	11.81	34.66		26.380	165.5	0.701	
									250	11.18	34.69		26.521	152.1	0.783	
									300	10.33	34.67		26.657	139.2	0.859	
									400	8.66	34.51		26.809	124.8	0.998	
									500	7.39	34.47		26.968	109.7	1.124	
									600	6.45	34.48		27.105	96.7	1.235	
									700	5.82	34.50		27.202	87.5	1.336	
									800	5.33	34.51		27.270	81.1	1.430	
									1000	4.39	34.55		27.409	67.9	1.599	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20125

LATITUDE 20 0.0 N			LONGITUDE 125 0.0 W			MO/DAY/YR 11/06/72		MESSENGER TIME 0010 GMT		BOTTOM 4121 M	WIND 050	SPEED 16 KT	WEATHER 2	DOMINANT WAVES 050 04 04		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	25.11	33.975	4.89	0.27	2.	0.00	0.1	529.8	10	25.06	33.974	4.89	22.569	528.6	0.053	
11	25.06	33.974	4.89	0.24	2.	0.00	0.1	528.4	20	25.06	33.972	4.88	22.568	528.7	0.106	
31	25.07	33.970	4.87	0.24	1.	0.00	0.0	529.0	30	25.07	33.970	4.87	22.565	529.0	0.159	
55	25.15	34.599	4.86	0.21	2.	0.00	0.0	486.0	50	25.13	34.425	4.86	22.888	498.1	0.262	
70	24.88		4.84	0.22	1.	0.01	0.0		75	23.57	34.787	4.88	23.629	427.4	0.378	
85	20.61	34.168	4.95	0.39	1.	0.00	0.8	393.2	100	18.37	34.124	4.28	24.531	341.4	0.475	
100	18.37	34.124	4.28	0.71	6.	0.04	4.8	341.4	125	14.61	34.173	2.70	25.438	254.9	0.550	
129	14.09	34.190	2.47	1.67	16.	0.01	18.2	243.2	150	12.44	34.234	2.02	25.931	208.2	0.609	
154	12.24	34.243	1.97	2.04	21.	0.04	21.7	203.9	200	11.74	34.570	0.65	26.323	170.9	0.706	
178	11.68	34.388	1.36	2.27	29.	0.00	24.9	183.2	250	11.35	34.698	0.21	26.495	154.5	0.790	
213	11.78	34.650	0.27	2.71	34.	0.00	27.5	165.7	300	10.50	34.638	0.18	26.603	144.3	0.868	
276	10.89	34.663	0.17	2.81	38.	0.00	27.5	149.1	400	8.81	34.513	0.28	26.787	126.9	1.011	
373	9.26	34.540	0.27	2.87	42.	0.00	29.1	131.7	500	7.41	34.462	0.29	26.959	110.6	1.137	
470	7.76	34.466	0.29	3.04	59.	0.00	34.6	115.1	600	6.48	34.472	0.28	27.095	97.7	1.250	
600	6.48	34.472	0.28	3.23	74.	0.00	36.4	97.7	700	5.78	34.484	0.32	27.194	88.3	1.352	
749	5.51	34.489	0.35	3.33	93.	0.00	40.6	84.7	800	5.26	34.494	0.36	27.266	81.5	1.446	
892	4.87	34.504	0.39	3.41	101.	0.00	42.6	76.4	1000	4.45	34.522	0.51	27.380	70.6	1.618	
1092	4.09	34.539	0.62	3.37	115.	0.00	44.8	65.7								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20127

LATITUDE 20 0.0 N			LONGITUDE 127 0.0 W			MO/DAY/YR 11/05/72		MESSENGER TIME 0851 GMT		BOTTOM 4313 M	WIND 080	SPEED 12 KT	WEATHER	DOMINANT WAVES		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.01	34.65		23.686	421.9	0.000	
									10	23.02	34.66		23.691	421.4	0.042	
									20	22.92	34.78		23.810	410.0	0.084	
									30	22.85	34.81		23.853	405.9	0.125	
									50	22.76	34.82		23.887	402.8	0.206	
									75	18.54	34.28		24.607	334.1	0.299	
									100	18.37	34.50		24.817	314.1	0.380	
									125	17.51	34.54		25.059	291.1	0.457	
									150	14.61	34.14		25.414	257.3	0.526	
									200	11.65	33.95		25.860	214.9	0.647	
									250	9.73	34.02		26.253	177.5	0.747	
									300	8.80	34.20		26.545	149.9	0.832	
									400	7.51	34.31		26.825	123.3	0.974	
									500	6.72	34.40		27.006	106.1	1.094	
									600	6.01	34.44		27.131	94.3	1.204	
									700	5.49	34.48		27.227	85.2	1.302	
									800	4.95	34.50		27.307	77.6	1.393	
									1000	4.16	34.55		27.434	65.6	1.554	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20129

LATITUDE 20 0.0 N			LONGITUDE 129 0.0 W			MO/DAY/YR 11/04/72		MESSENGER TIME 2006 GMT		BOTTOM 5080 M	WIND 050	SPEED 18 KT	WEATHER 2	DOMINANT WAVES 050 05 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.16	34.82		23.772	413.7	0.000	
									10	23.15	34.83		23.782	412.7	0.041	
									20	23.15	34.84		23.790	412.0	0.083	
									30	23.15	34.85		23.797	411.3	0.124	
									50	23.14	34.85		23.800	411.0	0.206	
									75	22.65	34.83		23.925	399.1	0.308	
									100	19.57	34.62		24.604	334.4	0.401	
									125	18.29	34.51		24.845	311.4	0.482	
									150	16.09	34.10		25.055	291.4	0.559	
									200	12.11	34.14		25.921	209.1	0.686	
									250	11.01	34.40		26.327	170.6	0.784	
									300	10.16	34.51		26.562	148.2	0.867	
									400	8.40	34.43		26.787	126.9	1.011	
									500	7.12	34.43		26.974	109.1	1.137	
									600	6.60	34.49		27.093	97.9	1.249	
									700	5.86	34.49		27.189	88.8	1.351	
									800	5.23	34.51		27.282	80.0	1.445	
									1000	4.46	34.56		27.409	67.9	1.612	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20131

LATITUDE 20 0.0 N			LONGITUDE 131 0.0 W			MO/DAY/YR 11/04/72		MESSENGER TIME 0803 GMT		BOTTOM 4507 M	WIND 050	SPEED 17 KT	WEATHER 2	DOMINANT WAVES 050 06 07		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.85	34.69		23.472	442.3	0.000	
									10	23.85	34.69		23.472	442.3	0.044	
									20	23.85	34.70		23.480	441.6	0.089	
									30	23.85	34.70		23.480	441.6	0.133	
									50	23.86	34.71		23.484	441.1	0.221	
									75	21.81	34.34		23.791	411.9	0.329	
									100	19.39	34.25		24.369	356.8	0.425	
									125	17.60	34.11		24.708	324.4	0.511	
									150	14.38	33.96		25.324	265.8	0.586	
									200	11.66	34.21		26.060	195.9	0.704	
									250	10.85	34.36		26.324	170.8	0.798	
									300	9.88	34.45		26.563	148.1	0.881	
									400	8.61	34.50		26.809	124.8	1.024	
									500	7.28	34.48		26.991	107.5	1.148	
									600	6.49	34.49		27.108	96.5	1.259	
									700	5.85	34.50		27.198	87.9	1.360	
									800	5.26	34.50		27.270	81.0	1.454	
									1000	4.40	34.54		27.400	68.7	1.623	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20133

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			133 0.0 W			11/03/72		1845 GMT		3739 M	070	16 KT	2	070 05 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	24.13	34.70		23.397	449.5	0.000	
									10	24.13	34.70		23.397	449.5	0.045	
									20	24.07	34.74		23.445	444.9	0.090	
									30	23.85	34.83		23.578	432.2	0.134	
									50	23.43	34.84		23.708	419.7	0.219	
									75	19.67	34.34		24.365	357.1	0.317	
									100	18.06	34.24		24.696	325.6	0.403	
									125	16.63	34.22		25.023	294.5	0.481	
									150	14.56	34.02		25.332	265.1	0.557	
									200	11.76	34.21		26.041	197.7	0.670	
									250	9.64	34.12		26.346	168.7	0.764	
									300	8.72	34.25		26.596	145.0	0.845	
									400	7.32	34.31		26.852	120.7	0.984	
									500	7.12	34.47		27.006	106.1	1.105	
									600	6.26	34.48		27.130	94.3	1.213	
									700	5.66	34.50		27.222	85.6	1.312	
									800	5.16	34.52		27.298	78.4	1.403	
									1000	4.36	34.55		27.412	67.6	1.569	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20133

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			133 0.0 W			11/03/72		2011 GMT		3739 M	070	16 KT	2	070 05 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	24.12	34.698	4.93	0.19	2.	0.01	0.0	449.3	10	24.12	34.702	4.88	23.401	449.1	0.045	
11	24.12	34.702	4.87	0.19	1.	0.00	0.0	449.0	20	24.02	34.744	4.94	23.461	443.3	0.090	
30	23.85	34.793	5.04	0.18	0.	0.00	0.0	434.9	30	23.85	34.793	5.04	23.550	434.9	0.134	
55	23.23	34.779	4.94	0.19	2.	0.00	0.0	418.6	50	23.35	34.758	4.95	23.669	423.5	0.220	
69	20.35		5.15	0.28	2.	0.02	0.2		75	19.74	34.210	5.14	24.249	368.2	0.319	
84	19.16	34.328	5.10	0.30	1.	0.03	0.5	345.5	100	18.24	34.257	5.12	24.663	328.7	0.407	
98	18.35	34.264	5.15	0.30	3.	0.12	0.6	330.7	125	16.83	34.174	4.62	24.941	302.3	0.487	
127	16.71	34.168	4.57	0.56	4.	0.02	4.0	300.1	150	15.13	34.096	4.37	25.266	271.4	0.560	
153	14.91	34.088	4.35	0.71	5.	0.01	6.4	267.3	200	12.04	34.158	2.99	25.949	206.4	0.691	
176	13.09	34.065	4.06	0.95	11.	0.00	10.5	232.8	250	9.97	34.180	2.70	26.338	169.5	0.778	
210	11.71	34.200	2.54	1.75	22.	0.00	21.2	197.5	300	8.56	34.193	2.34	26.577	146.8	0.860	
274	9.06	34.151	2.80	2.00	33.	0.00	23.7	157.4	400	7.69	34.380	0.79	26.854	120.5	0.999	
370	7.91	34.334	0.89	2.75	54.	0.00	33.5	127.0	500	6.97	34.461	0.47	27.020	104.7	1.119	
466	7.26	34.452	0.57	3.09	65.	0.00	36.7	109.3	600	6.13	34.463	0.29	27.133	94.1	1.227	
596	6.16	34.462	0.29	3.21	77.	0.00	39.4	94.5	700	5.55	34.484	0.37	27.224	85.5	1.325	
745	5.33	34.494	0.44	3.27	93.	0.00	42.1	82.3	800	5.07	34.501	0.48	27.293	78.9	1.416	
888	4.70	34.509	0.55	3.28	104.	0.00	45.6	74.2	1000	4.31	34.519	0.78	27.394	69.3	1.583	
1087	4.00	34.529	0.96	3.32	117.	0.00	45.1	65.6								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20135

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			135 0.0 W			11/03/72		0344 GMT		5467 M	040	18 KT	2	050 08 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	23.66	34.72		23.551	434.8	0.000	
									10	23.65	34.73		23.561	433.8	0.043	
									20	23.65	34.74		23.569	433.1	0.087	
									30	23.66	34.75		23.573	432.7	0.130	
									50	23.67	34.76		23.578	432.2	0.217	
									75	23.55	34.73		23.590	431.0	0.326	
									100	19.20	34.48		24.593	335.4	0.422	
									125	17.78	34.55		25.001	296.6	0.502	
									150	15.93	34.34		25.276	270.4	0.574	
									200	11.46	33.96		25.903	210.8	0.697	
									250	9.88	34.25		26.407	162.9	0.792	
									300	9.03	34.30		26.586	145.9	0.872	
									400	7.29	34.30		26.849	121.0	1.012	
									500	6.60	34.43		27.046	102.3	1.131	
									600	6.05	34.46		27.141	93.3	1.236	
									700	5.45	34.49		27.240	83.9	1.333	
									800	4.91	34.51		27.319	76.4	1.422	
									1000	4.12	34.54		27.430	65.9	1.583	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20137

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
20 0.0 N			137 8.0 W			11/02/72		1354 GMT		5369 M	070	16 KT		070 08 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	24.10	34.84		23.511	438.5	0.000	
									10	24.11	34.85		23.516	438.1	0.044	
									20	24.12	34.86		23.521	437.7	0.088	
									30	24.12	34.87		23.528	436.9	0.132	
									50	24.12	34.88		23.536	436.2	0.219	
									75	22.37	34.76		23.952	396.5	0.324	
									100	20.05	34.61		24.471	347.0	0.418	
									125	19.27	34.75		24.780	317.6	0.502	
									150	18.31	34.75		25.023	294.5	0.579	
									200	14.71	34.22		25.453	253.5	0.719	
									250	11.28	34.08		26.029	198.8	0.835	
									300	9.57	34.11		26.350	168.3	0.930	
									400	7.64	34.22		26.736	131.7	1.086	
									500	6.54	34.32		26.967	109.8	1.214	
									600	5.84	34.40		27.121	95.2	1.324	
									700	5.34	34.46		27.229	84.9	1.422	
									800	4.84	34.49		27.311	77.2	1.512	
									1000	4.08	34.56		27.450	64.0	1.671	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20139

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
20 0.0 N		139 0.0 W		11/01/72		2302 GMT		5080 M		080		20 KT		1		090 09 07	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.90	34.83		23.563	433.6	0.000		
									10	23.90	34.84		23.571	432.9	0.043		
									20	23.90	34.85		23.578	432.2	0.087		
									30	23.89	34.86		23.589	431.2	0.130		
									50	23.62	34.88		23.685	422.2	0.216		
									75	22.94	34.81		23.827	408.4	0.320		
									100	19.50	34.73		24.706	324.7	0.412		
									125	18.30	34.71		24.995	297.1	0.491		
									150	17.02	34.63		25.245	273.4	0.564		
									200	13.30	34.15		25.694	230.6	0.697		
									250	11.03	34.13		26.113	190.8	0.800		
									300	9.17	34.09		26.400	163.6	0.892		
									400	7.27	34.14		26.726	132.7	1.046		
									500	6.49	34.29		26.950	111.4	1.175		
									600	5.97	34.41		27.112	96.0	1.286		
									700	5.44	34.45		27.209	86.8	1.386		
									800	4.96	34.48		27.290	79.2	1.477		
									1000	4.20	34.53		27.413	67.5	1.643		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20141

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
20 0.0 N		141 0.0 W		11/01/72		0706 GMT		3739 M		070		25 KT				070 10 08	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.92	34.87		23.588	431.3	0.000		
									10	23.92	34.88		23.595	430.6	0.043		
									20	23.93	34.89		23.600	430.1	0.086		
									30	23.93	34.90		23.607	429.4	0.129		
									50	23.93	34.90		23.607	429.4	0.215		
									75	23.93	34.91		23.615	428.7	0.323		
									100	20.65	34.87		24.509	343.4	0.421		
									125	19.45	34.77		24.749	320.5	0.505		
									150	18.57	34.81		25.004	296.3	0.583		
									200	15.37	34.41		25.455	253.4	0.723		
									250	11.68	34.04		25.924	208.8	0.842		
									300	9.91	34.16		26.332	170.0	0.939		
									400	7.26	34.13		26.719	133.3	1.097		
									500	6.37	34.28		26.958	110.6	1.226		
									600	5.86	34.39		27.110	96.2	1.337		
									700	5.38	34.46		27.225	85.4	1.436		
									800	4.95	34.49		27.299	78.4	1.526		
									1000	4.18	34.53		27.416	67.3	1.691		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20141

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
20 0.0 N		141 0.0 W		11/01/72		0812 GMT		3739 M		070		25 KT				070 10 08	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	23.90	34.885	4.94	0.20	2.	0.00	0.1	429.7	0	23.90	34.885	4.94	23.605	429.7	0.000		
10	23.91	34.882	4.98	0.19	1.	0.00	0.0	430.2	10	23.91	34.882	4.98	23.599	430.2	0.043		
30	23.92	34.884	4.98	0.18	1.	0.00	0.0	430.3	20	23.92	34.882	4.98	23.599	430.2	0.086		
55	23.94	34.883	5.03	0.20	2.	0.00	0.1	430.9	30	23.92	34.884	4.98	23.599	430.3	0.129		
70	23.93		4.95	0.19	1.	0.00	0.1		50	23.94	34.882	5.03	23.592	430.9	0.216		
84	22.36	34.845	5.12	0.15	0.	0.00	0.0	390.1	75	23.93	34.890	5.00	23.600	430.1	0.324		
99	20.97	34.912	5.32	0.13	2.	0.02	0.1	348.6	100	20.90	34.907	5.32	24.471	347.0	0.422		
129	19.39	34.762	5.23	0.21	1.	0.08	0.2	319.6	125	19.54	34.788	5.24	24.741	321.3	0.506		
153	18.59	34.778	4.78	0.29	1.	0.07	2.3	299.1	150	18.68	34.775	4.84	24.949	301.5	0.585		
178	17.70	34.716	4.60	0.37	4.	0.02	3.7	282.7	200	16.03	34.501	4.42	25.376	260.9	0.729		
213	14.92	34.371	4.29	0.63	6.	0.01	7.4	246.8	250	12.41	34.208	3.75	25.915	209.7	0.849		
276	10.95	34.168	3.35	1.51	19.	0.00	19.4	186.6	300	9.92	34.140	3.11	26.314	171.7	0.948		
372	7.89	34.140	2.40	2.25	47.	0.00	28.7	141.2	400	7.45	34.178	1.91	26.730	132.3	1.106		
470	6.79	34.283	0.78	2.88	65.	0.00	36.1	115.7	500	6.54	34.313	0.72	26.962	110.3	1.235		
597	5.88	34.384	0.51	3.12	80.	0.00	38.7	96.9	600	5.86	34.386	0.51	27.107	96.6	1.345		
745	5.18	34.469	0.55	3.23	95.	0.00	41.6	82.5	700	5.37	34.448	0.54	27.216	86.2	1.445		
887	4.56	34.509	0.77	3.26	107.	0.00	43.6	72.8	800	4.93	34.487	0.63	27.299	78.3	1.536		
1087	3.90	34.549	0.94	3.23	118.	0.00	46.2	63.1	1000	4.19	34.531	0.87	27.416	67.3	1.700		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

20143

LATITUDE			LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
20 0.0 N			142 56.0 W		10/31/72		1706 GMT		5272 M		090		21 KT		1		070 06 08	
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD			
									0	24.37	34.91		23.484	441.2	0.000			
									10	24.37	34.92		23.492	440.4	0.044			
									20	24.36	34.93		23.502	439.4	0.088			
									30	24.36	34.94		23.510	438.7	0.132			
									50	24.37	34.95		23.514	438.3	0.220			
									75	21.34	34.80		24.269	366.3	0.321			
									100	20.91	35.24		24.720	323.3	0.408			
									125	19.98	35.22		24.953	301.1	0.487			
									150	18.68	35.01		25.129	284.4	0.562			
									200	15.06	34.40		25.516	247.6	0.698			
									250	11.93	34.11		25.922	209.0	0.815			
									300	9.98	34.07		26.250	177.8	0.914			
									400	7.42	34.07		26.650	139.9	1.080			
									500	6.02	34.22		26.956	110.8	1.211			
									600	5.56	34.35		27.116	95.7	1.322			
									700	5.30	34.46		27.234	84.5	1.420			
									800	4.85	34.48		27.307	78.0	1.510			
									1000	4.09	34.54		27.433	65.6	1.671			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10 METER DATA

			Z	T	S	02	01
46.133	10/10/72 2050GMT 46 00.0N 133 00.0W BOTTOM 3760M WIND 360 20KT WEATHER 1 DOMINANT WAVES 360 5 8		10	14.72	32.694		365.4
46.135	10/11/72 0626GMT 46 00.0N 135 00.0W BOTTOM 3730M WIND 010 11KT WEATHER DOMINANT WAVES		10	15.17	32.724		372.4
46.139	10/12/72 1112GMT 46 02.0N 139 00.0W BOTTOM 4316M WIND 060 4KT WEATHER 2 DOMINANT WAVES		10	15.66	32.757		380.2
46.141	10/12/72 1940GMT 45 59.0N 141 03.0W BOTTOM 4428M WIND 150 3KT WEATHER 0 DOMINANT WAVES 010 2 5		10	15.23	32.627		389.7
46.143	10/13/72 0458GMT 46 00.0N 143 00.0W BOTTOM 4569M WIND 110 11KT WEATHER DOMINANT WAVES		10	15.32	32.621		383.0
42.153	10/18/72 1153GMT 41 43.5N 153 05.0W BOTTOM 5242M WIND 030 10KT WEATHER 6 DOMINANT WAVES		10	18.40	33.224		407.4
39.133	10/24/72 0331GMT 38 59.0N 133 01.0W BOTTOM 4612M WIND 050 15KT WEATHER 1 DOMINANT WAVES		10	17.00	32.985		392.7
39.135	21/02/77 3170GMT 39 00.0N 135 00.0W BOTTOM 4864M WIND 040 8KT WEATHER 2 DOMINANT WAVES 020 7 12		10	17.84	33.316		387.7
39.139	10/22/72 1355GMT 38 59.0N 138 57.5W BOTTOM 5261M WIND 050 10KT WEATHER 1 DOMINANT WAVES		10	19.07	33.814		390.6
39.141	10/22/72 0327GMT 38 58.0N 140 59.0W BOTTOM 5374M WIND 010 7KT WEATHER 1 DOMINANT WAVES 350 5 6		10	19.29	33.790		400.0
39.143	10/21/72 1705GMT 39 00.0N 143 00.0W BOTTOM 5449M WIND 350 5KT WEATHER 1 DOMINANT WAVES 340 4 8		10	19.53	33.750		396.4
35.129	11/12/72 1755GMT 34 58.0N 128 59.0W BOTTOM 4737M WIND 280 6KT WEATHER 1 DOMINANT WAVES 300 12 10		10	15.48	32.997		358.9
35.131	11/06/72 0110GMT 35 02.0N 131 02.5W BOTTOM 4708M WIND 240 14KT WEATHER 5 DOMINANT WAVES 270 5 9		10	17.06	33.109		385.0
35.135	11/04/72 2340GMT 35 01.0N 135 00.0W BOTTOM 5156M WIND 320 4KT WEATHER DOMINANT WAVES 310 15 11		10	19.08	33.952		370.8
35.137	11/04/72 1020GMT 35 01.0N 137 00.0W BOTTOM 4697M WIND 350 9KT WEATHER 0 DOMINANT WAVES		10	18.28	33.659		373.0

RV DAVID STARR JORDAN

CALCOFI CRUISE 7215

10 METER DATA

			Z	T	S	02	01
31.127	09/29/72 0526GMT 31 00.0N 127 00.0W BOTTOM 4668M WIND 0KT WEATHER DOMINANT WAVES		10	20.04	33.556		423.1
31.131	09/30/72 0903GMT 31 00.0N 131 00.0W BOTTOM 4697M WIND 340 7KT WEATHER DOMINANT WAVES		10	20.92	34.089		406.8
31.133	09/30/72 1925GMT 31 00.0N 133 00.0W BOTTOM 4697M WIND 020 5KT WEATHER 1 DOMINANT WAVES 350 3 7		10	21.20	34.326		396.9
31.135	10/01/72 0648GMT 31 00.0N 135 00.0W BOTTOM 4697M WIND 010 7KT WEATHER DOMINANT WAVES		10	21.26	34.408		392.6
31.139	10/02/72 1427GMT 31 00.0N 139 00.0W BOTTOM 4697M WIND 040 9KT WEATHER DOMINANT WAVES 090 3 6		10	21.74	34.695		384.4
31.141	10/03/72 0330GMT 31 05.0N 141 14.0W BOTTOM 3398M WIND 090 12KT WEATHER 1 DOMINANT WAVES 080 3 6		10	22.44	34.730		400.6
31.143	10/03/72 1332GMT 31 02.0N 143 02.0W BOTTOM 4507M WIND 110 6KT WEATHER DOMINANT WAVES		10	22.62	35.272		366.3
27.127	10/10/72 1125GMT 27 00.0N 127 00.0W BOTTOM 4507M WIND 0KT WEATHER DOMINANT WAVES 320 1 7		10	21.34	34.300		402.4

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

10 METER DATA

						Z	T	S	02	DT
27.129	10/10/72	0104GMT	27 00.0N	129 00.0W		10	21.10	34.096		411.0
		BOTTOM	4507M	WIND 320	7KT WEATHER 1					
		DOMINANT	WAVES	320	2 7					
27.131	10/09/72	0912GMT	27 00.0N	131 00.0W		10	21.22	34.252		402.8
		BOTTOM	4507M	WIND 330	3KT WEATHER 1					
		DOMINANT	WAVES	330	2 5					
27.135	10/08/72	0718GMT	27 00.0N	135 00.0W		10	22.24	35.012		374.8
		BOTTOM	4697M	WIND 330	6KT WEATHER 1					
		DOMINANT	WAVES							
27.137	10/07/72	2014GMT	27 00.0N	137 00.0W		10	22.46	35.097		374.6
		BOTTOM	5080M	WIND 010	5KT WEATHER 1					
		DOMINANT	WAVES	070	3 5					
27.139	10/07/72	0911GMT	27 00.0N	139 00.0W		10	22.47	35.061		377.5
		BOTTOM	4313M	WIND 040	12KT WEATHER 1					
		DOMINANT	WAVES	060	5 6					
27.143	10/06/72	0359GMT	26 56.0N	143 00.0W		10	23.15			
		BOTTOM	4689M	WIND 090	20KT WEATHER 2					
		DOMINANT	WAVES	080	6 7					
27.145	10/05/72	1532GMT	27 00.0N	145 06.0W		10	23.66	35.192		400.8
		BOTTOM	5080M	WIND 180	10KT WEATHER 5					
		DOMINANT	WAVES	080	5 6					
24.121	10/24/72	1104GMT	24 00.0N	121 00.0W		10	21.78	34.037		433.0
		BOTTOM	3929M	WIND 050	12KT WEATHER					
		DOMINANT	WAVES	050	2 13					
24.123	10/24/72	2215GMT	24 00.0N	123 00.0W		10	22.12	34.406		415.4
		BOTTOM	3739M	WIND 070	6KT WEATHER 2					
		DOMINANT	WAVES	050	2 8					
24.125	10/25/72	1010GMT	24 00.0N	125 00.0W		10	21.55	34.272		410.0
		BOTTOM	3929M	WIND 050	10KT WEATHER 1					
		DOMINANT	WAVES	050	2					
24.127	10/25/72	2354GMT	24 00.0N	127 00.0W		10	21.91	34.556		398.0
		BOTTOM	4121M	WIND 050	6KT WEATHER 2					
		DOMINANT	WAVES	050	6 8					
24.131	10/27/72	0200GMT	24 00.0N	131 00.0W		10	21.52	34.579		387.0
		BOTTOM	4889M	WIND 010	12KT WEATHER 2					
		DOMINANT	WAVES	010	4 6					
24.133	10/27/72	1644GMT	24 00.0N	133 00.0W		10	22.82	34.892		399.2
		BOTTOM	7040M	WIND 010	7KT WEATHER 2					
		DOMINANT	WAVES	350	5 7					
24.135	10/28/72	0405GMT	24 00.0N	135 00.0W		10	22.04			
		BOTTOM	5080M	WIND 060	13KT WEATHER					
		DOMINANT	WAVES							
24.139	10/29/72	0221GMT	24 00.0N	139 00.0W		10	21.76	34.862		372.9
		BOTTOM	5176M	WIND 080	12KT WEATHER 1					
		DOMINANT	WAVES	050	5 7					
24.141	10/29/72	2142GMT	24 00.0N	141 00.0W		10	23.16	35.256		382.3
		BOTTOM	4889M	WIND 100	13KT WEATHER 1					
		DOMINANT	WAVES	100	5 8					
20.121	11/07/72	0221GMT	20 00.0N	121 00.0W		10	23.46	34.591		438.5
		BOTTOM	4410M	WIND 070	17KT WEATHER 2					
		DOMINANT	WAVES	050	4 6					
20.123	11/06/72	1354GMT	20 00.0N	123 06.0W		10	24.04			
		BOTTOM	3739M	WIND 070	14KT WEATHER					
		DOMINANT	WAVES							
20.127	11/05/72	0935GMT	20 00.0N	127 00.0W		10	23.07	34.635		424.6
		BOTTOM	4313M	WIND 080	12KT WEATHER					
		DOMINANT	WAVES							
20.129	11/04/72	2048GMT	20 00.0N	129 00.0W		10	23.17	34.817		414.2
		BOTTOM	5080M	WIND 050	18KT WEATHER 2					
		DOMINANT	WAVES	350	5 6					
20.131	11/04/72	0845GMT	20 00.0N	131 00.0W		10	23.87	34.686		443.1
		BOTTOM	4507M	WIND 050	17KT WEATHER 2					
		DOMINANT	WAVES	050	6 7					
20.135	11/03/72	0430GMT	20 00.0N	135 00.0W		10	23.65	34.725		434.2
		BOTTOM	5467M	WIND 040	18KT WEATHER 2					
		DOMINANT	WAVES	050	8 8					
20.137	11/02/72	1440GMT	20 00.0N	137 08.0W		10	24.10	34.843		438.3
		BOTTOM	5369M	WIND 070	16KT WEATHER					
		DOMINANT	WAVES	070	8 8					
20.139	11/01/72	2347GMT	20 00.0N	139 00.0W		10	23.94	34.835		434.4
		BOTTOM	5080M	WIND 080	20KT WEATHER 1					
		DOMINANT	WAVES	090	9 7					
20.143	10/31/72	1810GMT	20 00.0N	142 56.0W		10	24.36	34.922		440.0
		BOTTOM	5272M	WIND 090	21KT WEATHER 1					
		DOMINANT	WAVES	070	6 8					

DISTRIBUTION LIST

INTER-AMERICAN TROPICAL TUNA COMMISSION
(C/O SCRIPPS INSTITUTION OF OCEANOGRAPHY)

DR. JAMES JOSEPH

NATIONAL MARINE FISHERIES SERVICE
(C/O SCRIPPS INSTITUTION OF OCEANOGRAPHY)

DIRECTOR'S OFFICE

MR. RON DOTSON

DR. REUBEN LASKER

DR. A. ALVARINO DE LEIRA

LIBRARY (2)

MR. RONALD LYNN

DR. GEOFFREY MOSER

DR. ROBERT OWEN, JR.

MR. NELSON C. ROSS, JR.

DR. PAUL SMITH

SCRIPPS INSTITUTION OF OCEANOGRAPHY

DR. MARK ABBOTT

DR. LAURENCE ARM1

DR. ROBERT L. BERNSTEIN

DR. EDWARD BRINTON

DR. RICHARD W. EPPLEY

DR. ABRAHAM FLEMINGER

DR. JORIS M. T. M. GIESKES

DR. LOREN R. HAURY

DR. THOMAS L. HAYWARD

DR. GEORGE A. JACKSON

MRS. KITTIE KUHNS

LIBRARY, SIO (DR. PETER BRUEGGEMAN)

LIBRARY, SIO (STELLA WADE) (4)

MR. ARNOLD W. MANTYLA

DR. JOHN A. MCGOWAN

DR. W. A. NIERENBERG

DR. PEARL P. NILER

PROF. JOSEPH L. REID

DR. RICHARD H. ROSENBLATT

DR. JAMES J. SIMPSON

DR. KENNETH L. SMITH

MR. GEORGE H. SNYDER

DR. ROBERT E. STEVENSON

DR. MIZUKI TSUCHIYA

AFRICA

M. Henri Rotschi
Centre de Recherches
Oceanographiques
29, Rue des Pecheurs
B.P.V. 18 - Abidjan
Republique de Cote d'Ivoire

AUSTRALIA

Dr. John A. T. Bye
Flinders Institute for Atmospheric
and Marine Sciences
The Flinders University of S.A.
Bedford Park 5042, S.A.
Australia

Prof. R. Radok, Director
Horace Lamb Institute of Oceanography
P. O. Box 167
Kingswood 5062, S.A.
Australia

CANADA

Director
Institute of Oceanography
University of British Columbia
Vancouver, B.C. V6T 1W5
Canada

Library
Pacific Biological Station
Fisheries and Marine Service
Nanaimo, B.C. V9R 5K6
Canada

Dr. C. S. Wong
Institute of Ocean Sciences
Department of Fisheries and
Environment
P. O. Box 6000
Sidney, B.C. V8L 4B2
Canada

Library
Science Services
Dalhousie University
Halifax, N.S. B3H 4J3
Canada

Dr. Cedric R. Mann
Bedford Institution of Oceanography
P. O. Box 1006
Dartmouth, N.S. B2Y 4A2
Canada

Prof. Gordon A. Riley
Institute of Oceanography
Dalhousie University
Halifax, N.S. B3H 3J5
Canada

GERMANY

Akademie der Wissenschaften der DDR
Institut für Meereskunde Bibliothek
253 Warnemünde
East Germany

Deutsches-Hydrographisches Institut
Tauschstelle
Postfach 220
Bernhard-Hocht-Str. 78
D-2000 Hamburg
West Germany

Dr. Reimer Simonson
Institut für Meeresforschung
285 Bremerhaven
Am Handelshafen 12
West Germany

ICELAND

Dr. Unnsteinn Stefansson
Hafrannsóknastofnunin
Skulagata 4
Reykjavik
Iceland

JAPAN

Dr. Kiyomitsu Kitano
Hokkaido Regional Fisheries
Research Laboratory
Katsurakoi 116, Kushiro City
Hokkaido
Japan

Director
Kobe Marine Observatory
Nakayamate 7
Kobe, 650
Japan

The Public Health Institute
of Hyogo Prefecture
Arata-Cho, Hyogo-Ku
2-1 Kobe
Japan

Prof. Hideo Kawai
Kyoto University
Department of Fisheries
Faculty of Agriculture
Kyoto
Japan

Mr. Hajime Yamanaka
Far Seas Fisheries
Research Laboratory
Orido, Shimizu 424
Shizuoka-Ken
Japan

Director
Japan Oceanographic Data Center
Hydrographic Department
Maritime Safety Agency
No. 3-1, 5 Chome, Tsukiji
Chuo-Ku, Tokyo
Japan 104

Library
Ocean Research Institute
University of Tokyo
Nakano-Ku, Tokyo
Japan

Oceanography Division
Marine Department
Japan Meteorological Agency
1-3-4 Ohte-Machi, Chiyoda-Ku
Tokyo, 100
Japan

KOREA

Library
Fisheries Research and
Development Agency
16-2KA, Namhang Dong
Youngdo-Ku Busan 606
Korea

MEXICO

Biblioteca
Centro de Investigacion Cientifica y
Educacion Superior de Ensenada
Apartado Postal 2732
Ensenada, Baja California
Mexico

Biblioteca
Instituto Nacional de Pesca
Centro de Investigacion Pesquera
Apartado Postal 1306
Ensenada, Baja California
Mexico

Biblioteca
Unidad de Ciencias Marinas
Universidad Autonoma de Baja
California
Apartado de Correos 453
Ensenada, Baja California
Mexico

Biblioteca, U.N.A.M.
Centro de Ciencias del
Mar y Limnologia
Apartado Postal 811
Mazatlan, Sinaloa
Mexico

Biblioteca
Centro de Promocion Pesquera
Apartado Postal 396
Mazatlan, Sinaloa
Mexico

Biblioteca
Centro de Investigacion Pesquera
Seccion de Hidrologia
Instituto Nacional de Pesca
Apartado Postal 550
Mazatlan, Sinaloa
Mexico

American Embassy (4)
Regional Fishery Attache
Apartado Postal 83-BIS
Mexico 1, D.F.
Mexico

Biblioteca
Departamento de Pesca
Alvaro Obregon 269
Mexico 7, D.F.
Mexico

Biblioteca
Universidad Nacional Autonoma
de Mexico
Apartado Postal 70-223
Mexico 20, D.F.
Mexico

Director
Inst. de Geofisica
Torre de Ciencias, 3ER Piso
Universidad Nacional Autonoma
de Mexico
Villa Obregon, D.F.
Mexico

NEW ZEALAND

Director
New Zealand Oceanographic Institute
P. O. Box 8009
Wellington
New Zealand

PERU

Biblioteca, Instituto del Mar
Apartado Postal 22
Callao
Peru

UNITED KINGDOM

Science Reference Library (A)
25 Southampton Buildings
Chancery Lane
London WC2A 1AW England
United Kingdom

Library
Subscription Department
New South Wales Government Offices
66 Strand
London, WC2N 5LZ, England
United Kingdom

Library
Fisheries Laboratory
Ministry of Agriculture, Fisheries
and Food
Lowestoft, Suffolk
NR33 0HT, England
United Kingdom

Head of Library and
Information Service
Plymouth
PL1 2PB, England
United Kingdom

Library
Inst. of Oceanographic Science
Wormley, Godalming
Surrey GU8 5UB, England
United Kingdom

Library
Department of Agriculture and
Fisheries for Scotland
Marine Laboratory
P. O. Box 101, Victoria Road
Torry, Aberdeen AB9 8DB, Scotland
United Kingdom

UNITED STATES

ALASKA

Library
Institute of Marine Science
University of Alaska
College, AK 99701

CALIFORNIA

Library - Serials
Humboldt State University
Arcata, CA 95521

Marine Technical Information Center
Department of Fish and Game
245 W. Broadway, Suite 350
Long Beach, CA 90802

Dr. Donn S. Gorsline
Department of Geology
University of Southern California
Los Angeles, CA 90007

Hancock Library of Biology
and Oceanography
University of Southern California
Los Angeles, CA 90007

Dr. Dale Straughan
University of Southern California
Los Angeles, CA 90007

James V. Gardner
Geological Survey
Branch of Pacific Marine Geology
345 Middlefield Road, MS999
Menlo Park, CA 94025

Naval Environmental Prediction
Research Facility
Monterey, CA 93940

Prof. C. N. K. Mooers, Chairman
Department of Oceanography
U. S. Naval Postgraduate School
Monterey, CA 93940

Director
Pacific Environmental Group
NMFS/NOAA
C/O Fleet Numerical Weather Central
Monterey, CA 93940

Commanding Officer (Code 40) (2)
Fleet Numerical Weather Central
Monterey, CA 93940

Library
Geology-Oceanography Department
California State University
Northridge, CA 91324

E. J. List
California Technical Institution
Pasadena, CA 91125

Officer in Charge (Code L31)
Civil Engineering Laboratory
Naval Construction Battalion Center
Port Hueneme, CA 93043

Bernard Cohenour
Code 3144, Bldg. 514
Pacific Missile Test Center
Point Mugu, CA 93042

Director
Operations Research Branch
Department of Fish and Game
1416 Ninth Street
Sacramento, CA 95814

Mr. David Farris
Department of Biology
San Diego State University
San Diego, CA 92182

Intersea Research Corporation
11760 Sorrento Valley Road
San Diego, CA 92121

Library
Department of the Navy
Naval Ocean Systems Center
San Diego, CA 92152

Library
San Diego Society of Natural History
P. O. Box 1390
San Diego, CA 92112

Eric Shulenberg
San Diego Natural History Museum
P. O. Box 1390
San Diego, CA 92112

Library
California Academy of Sciences
Golden Gate Park
San Francisco, CA 94118

Director
Center for Coastal Marine Studies
University of California
Santa Cruz, CA 95064

NMFS/NOAA
Tiburon Laboratory
3150 Paradise Drive
Tiburon, CA 94920

CONNECTICUT

Prof. George Veronis
Department of Geology
and Geophysics
Yale University
P. O. Box 2161, Yale Station
New Haven, CT 06520

FLORIDA

R.S.M.A.S. Library
University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149

Library
Southwest Fisheries Center
NMFS/NOAA
75 Virginia Beach Drive
Miami, FL 33149

HAWAII

Library
Southwest Fisheries Center
NMFS/NOAA
P. O. Box 3830
Honolulu, HI 96812

MAINE

Director
Center for Marine Studies
University of Maine
Orono, ME 04469

MARYLAND

Secretary for Publications
Chesapeake Bay Institute
The Johns Hopkins University
Baltimore, MD 21218

Acquisitions Section, IRDB/D823
Library and Information Services
Division, NOAA
6009 Executive Blvd.
Rockville, MD 20852

Chief
Oceanic Services Division (W16)
Office of Meteorology and
Oceanography
National Weather Service
8060 13th Street, Room 1213
Silver Spring, MD 20910

MASSACHUSETTS

Dr. John M. Edmond
Department of Earth and
Planetary Sciences
Bldg. 54, Room 1326
Mass. Institute of Technology
Cambridge, MA 02139

Prof. Henry M. Stommel
Dept. of Physical Oceanography
Woods Hole Oceanographic Inst.
Woods Hole, MA 02543

Dr. Bruce A. Warren
Woods Hole Oceanographic Inst.
Woods Hole, MA 02543

Dr. L. V. Worthington
Woods Hole Oceanographic Inst.
Woods Hole, MA 02543

MISSISSIPPI

NAV OCEAN
NSTL Station, MS 39522

NEW JERSEY

Princeton Geology Library
Department of Geological and
Geophysical Sciences
Guyot Hall
Princeton University
Princeton, NJ 08540

NEW YORK

Prof. Gerhard Neumann
Department of Meteorology
and Oceanography
New York University
Bronx,
New York, NY 10453

Dr. Arnold L. Gordon
Lamont-Doherty Geological
Observatory of Columbia Univ.
Palisades, NY 10964

OREGON

Pattullo Study
School of Oceanography
Oregon State University
Corvallis, OR 97331

Pacific Marine Fisheries Commission
528 S. W. Mill
Portland, OR 97201

RHODE ISLAND

Pell Marine Science Library
University of Rhode Island
Narragansett Bay Campus
Narragansett, RI 02882

TEXAS

Working Collection
Department of Oceanography
Texas A&M University
College Station, TX 77843

VIRGINIA

Professor Ronald E. Johnson
Institute of Oceanography
Old Dominion University
Norfolk, VA 23508

WASHINGTON

Library
Fisheries-Oceanography WB-30
151 Oceanography Teaching Bldg.
University of Washington
Seattle, WA 98195

Prof. Gunnar I. Roden
Dept. of Oceanography WB-10
University of Washington
Seattle, WA 98195

WASHINGTON, D.C.

British Navy Staff
British Embassy
3100 Massachusetts Avenue, N.W.
Attn: Scientific Information Officer
Washington, DC 20008

Commanding Officer
U. S. Coast Guard Oceanographic Unit
Bldg. 159-E, Navy Yard Annex
Washington, DC 20590

Commander (2)
U. S. Naval Oceanographic Office
Library Code 3330
Washington, DC 20373

Director (3)
National Oceanographic Data Center
NOAA
Washington, DC 20235

Director (6)
World Data Center A
NOAA
Washington, DC 20235

Dr. Robert H. Gibbs, Jr.
Division of Fisheries
U. S. National Museum
Washington, DC 20560

Director
National Marine Fisheries Service
NOAA
Washington, DC 20235