

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

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Approved for distribution:

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

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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 thermohaline anomaly (DT) are included with the observed levels and computed values of sigma-t (SIGT), thermohaline 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, thermohaline 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.

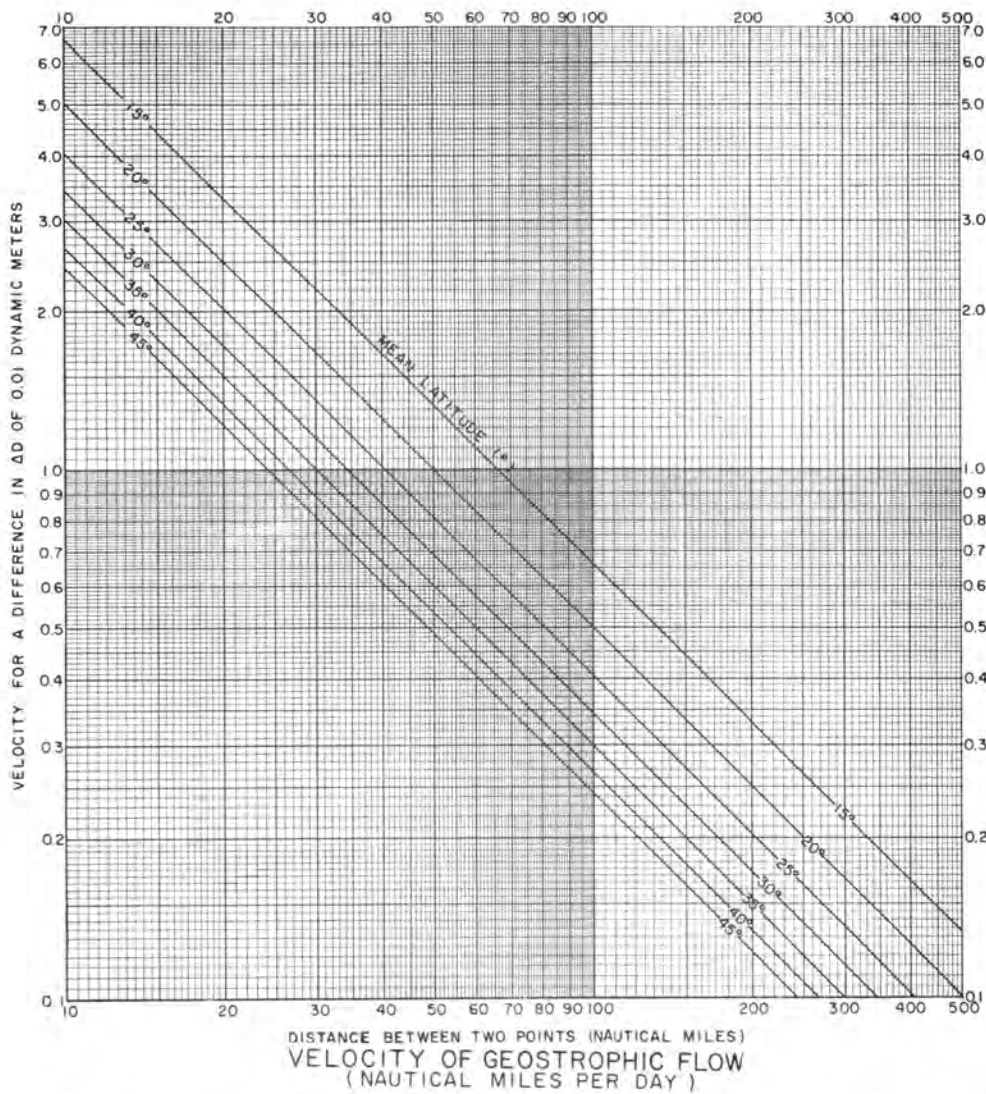
LITERATURE CITED

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

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

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

FIGURES

Cruise 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.

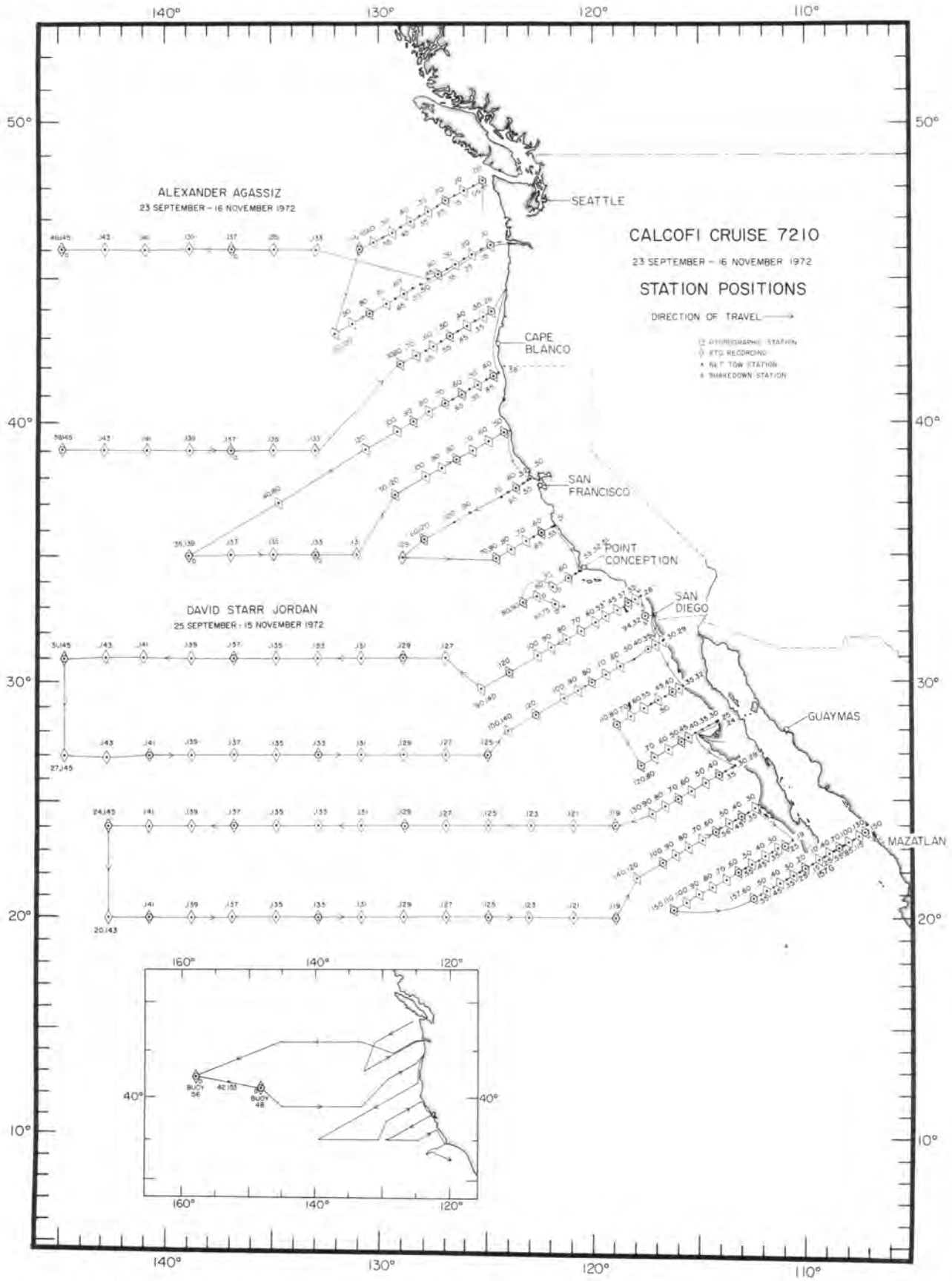


FIGURE 1

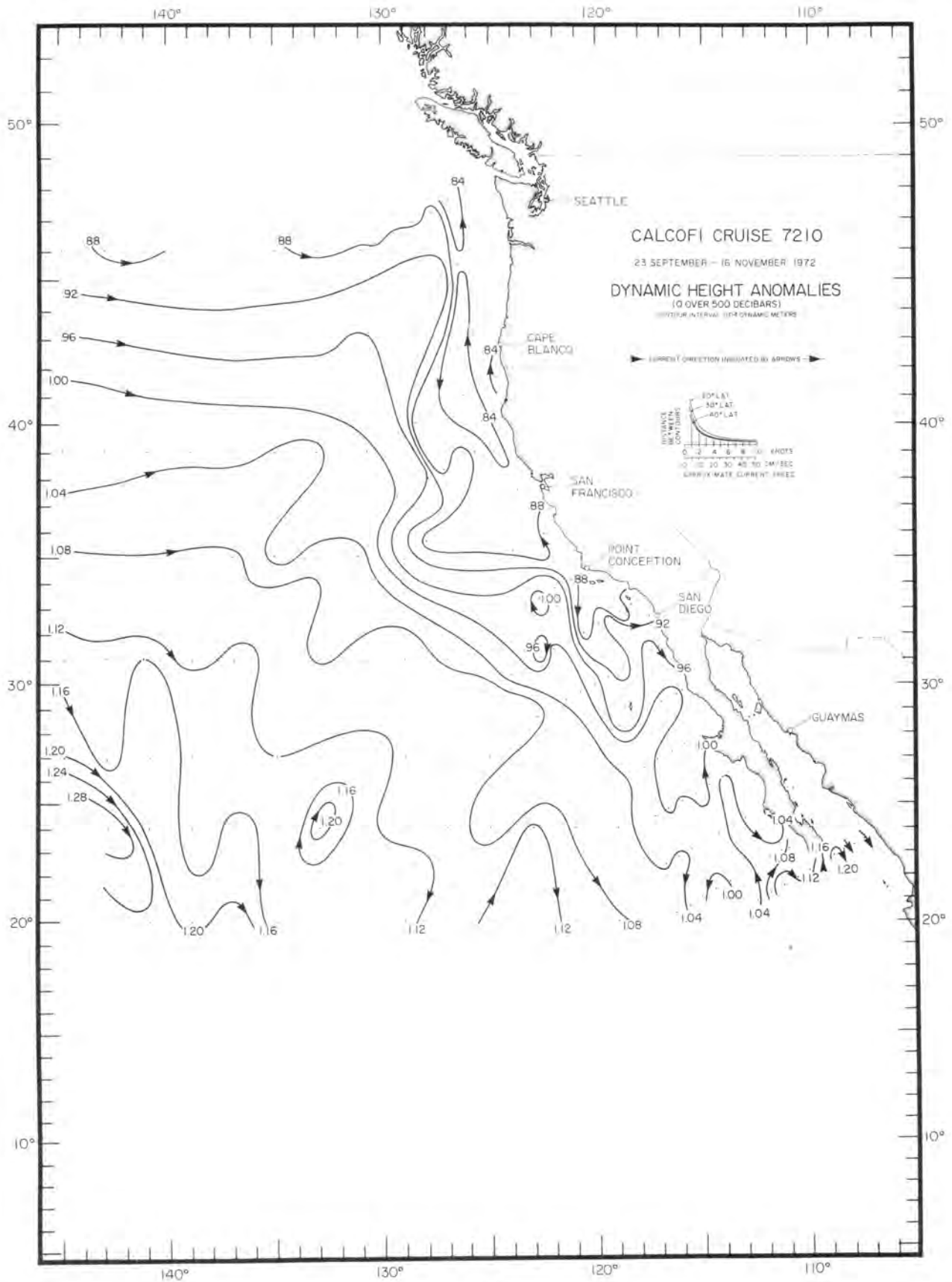


FIGURE 2

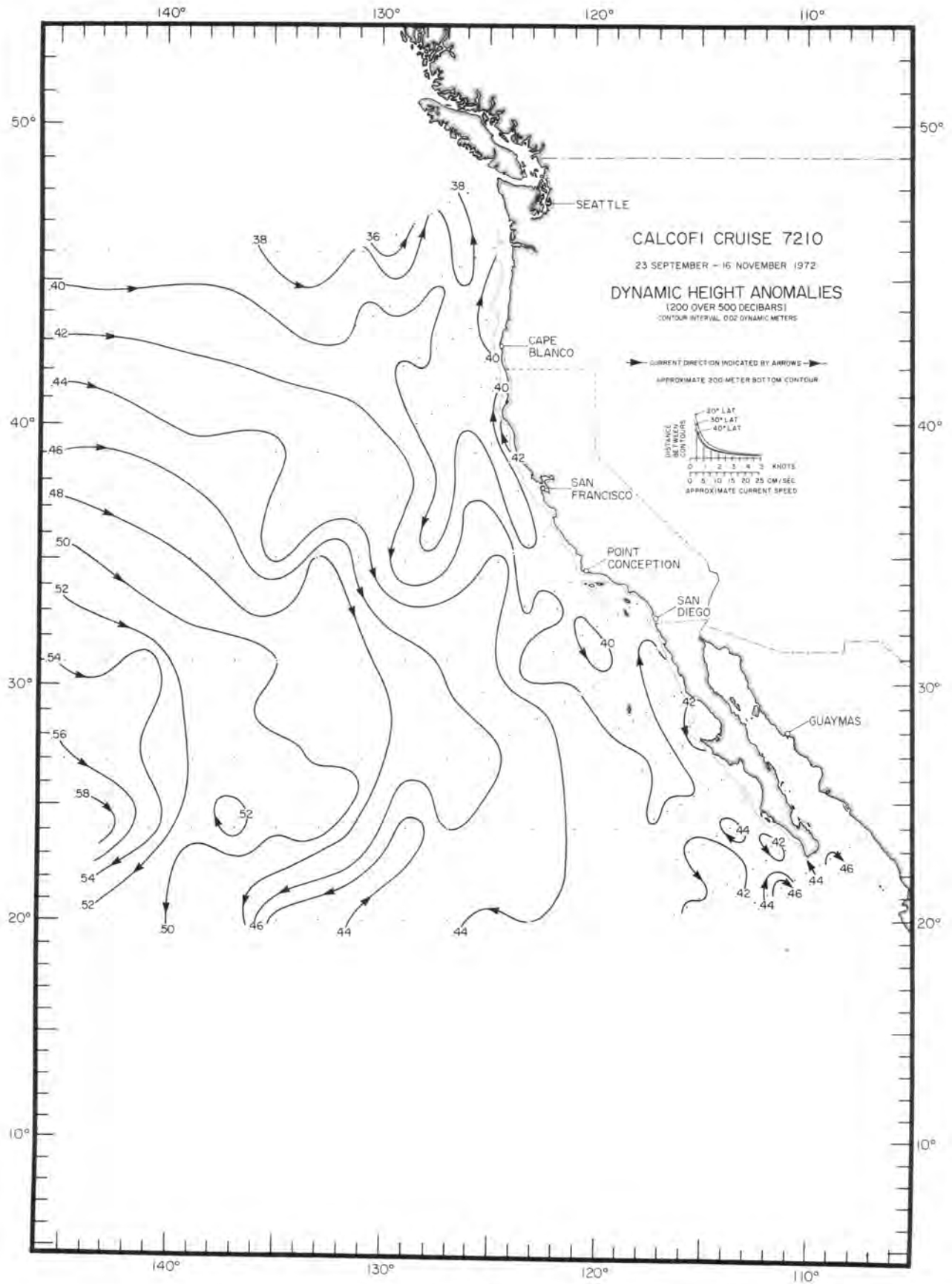


FIGURE 3

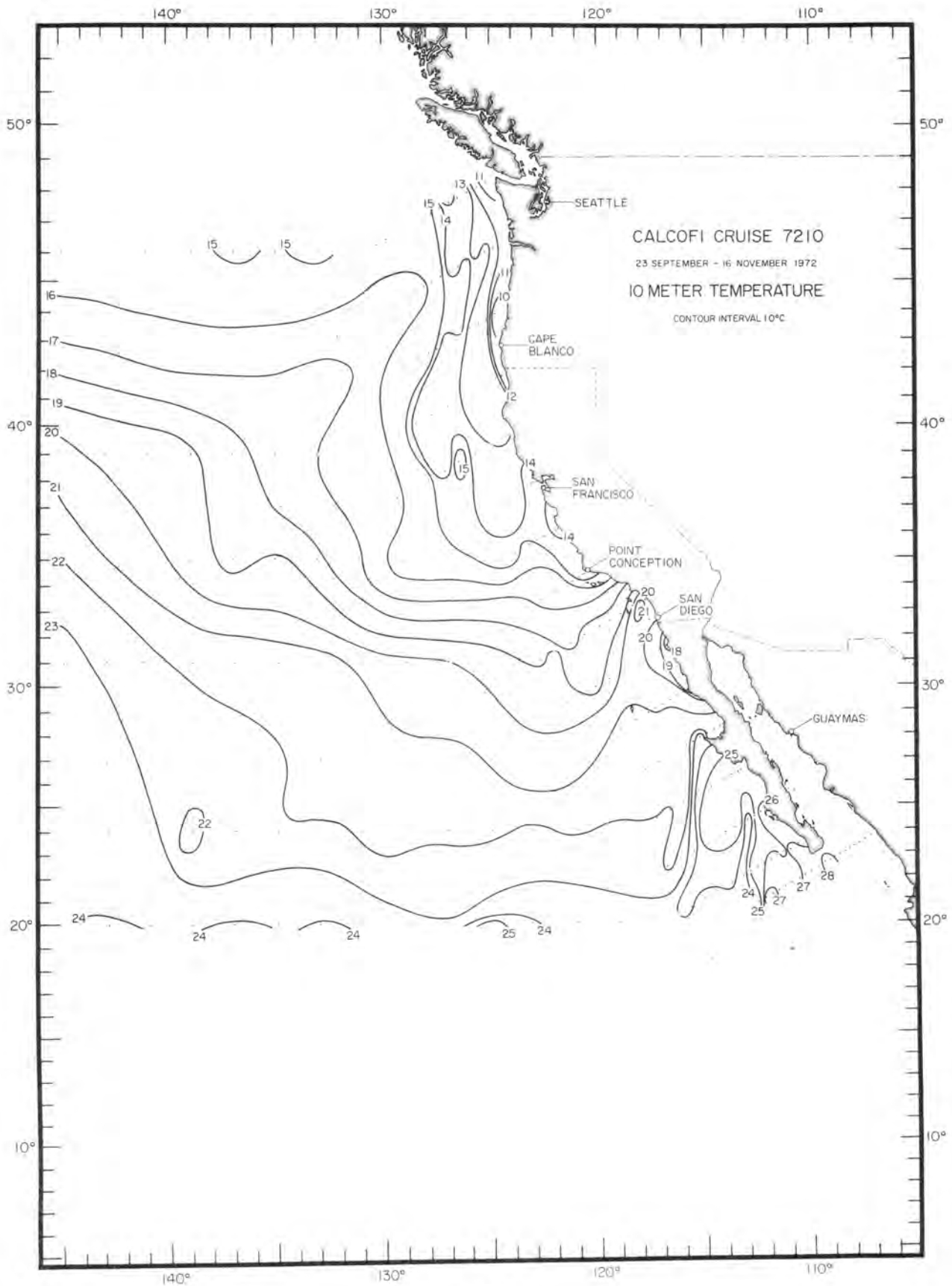


FIGURE 4

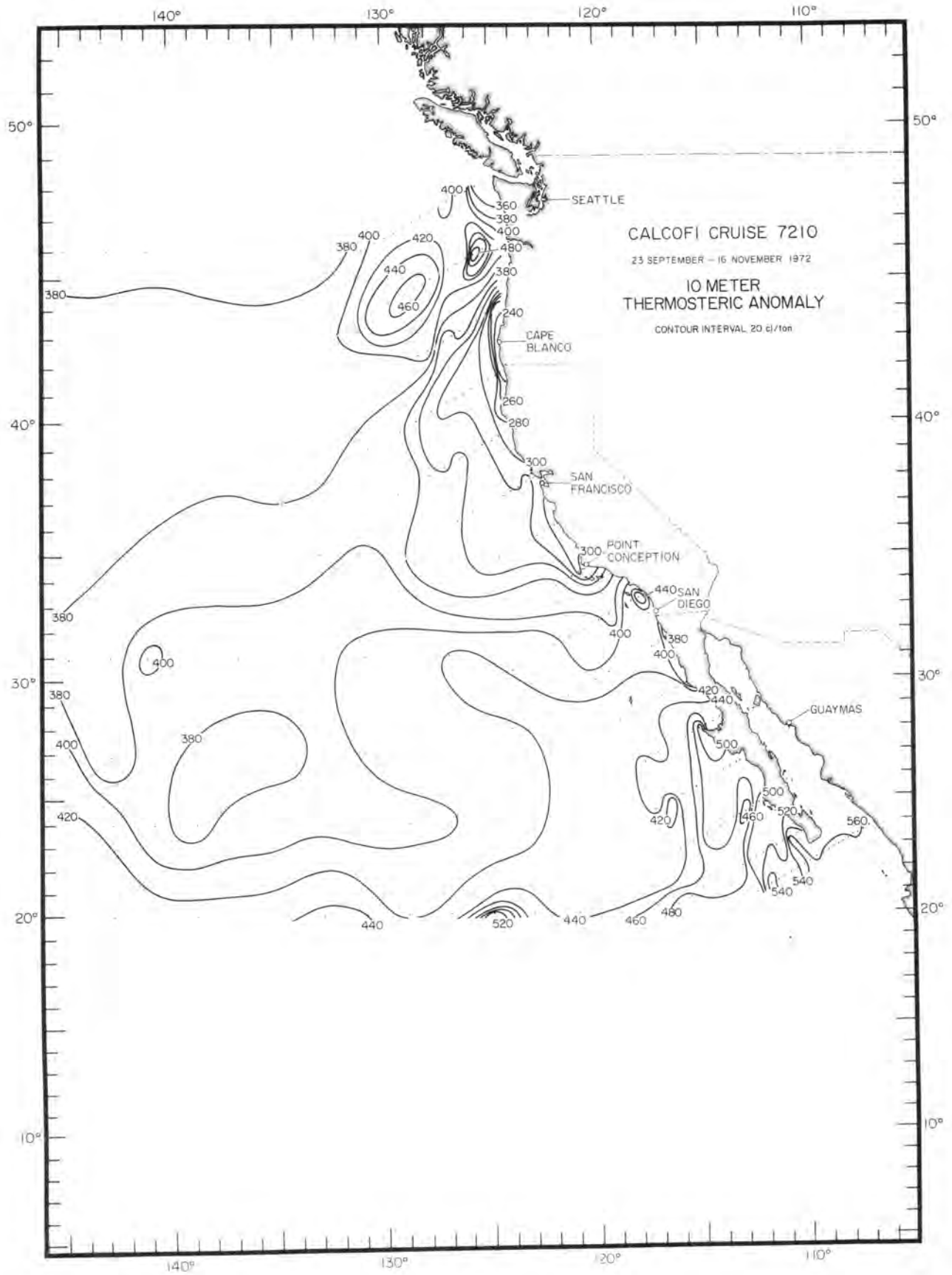


FIGURE 5

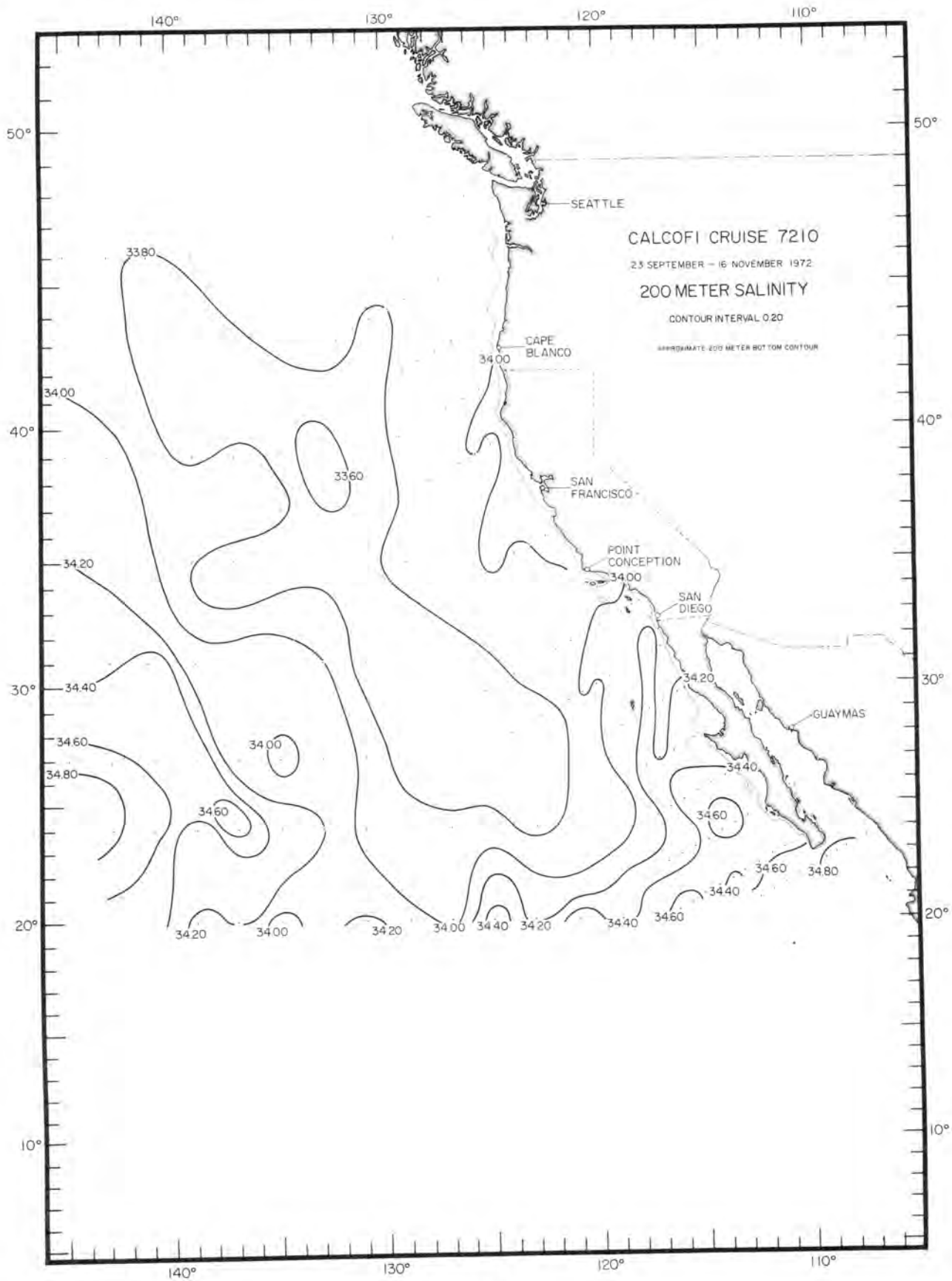


FIGURE B

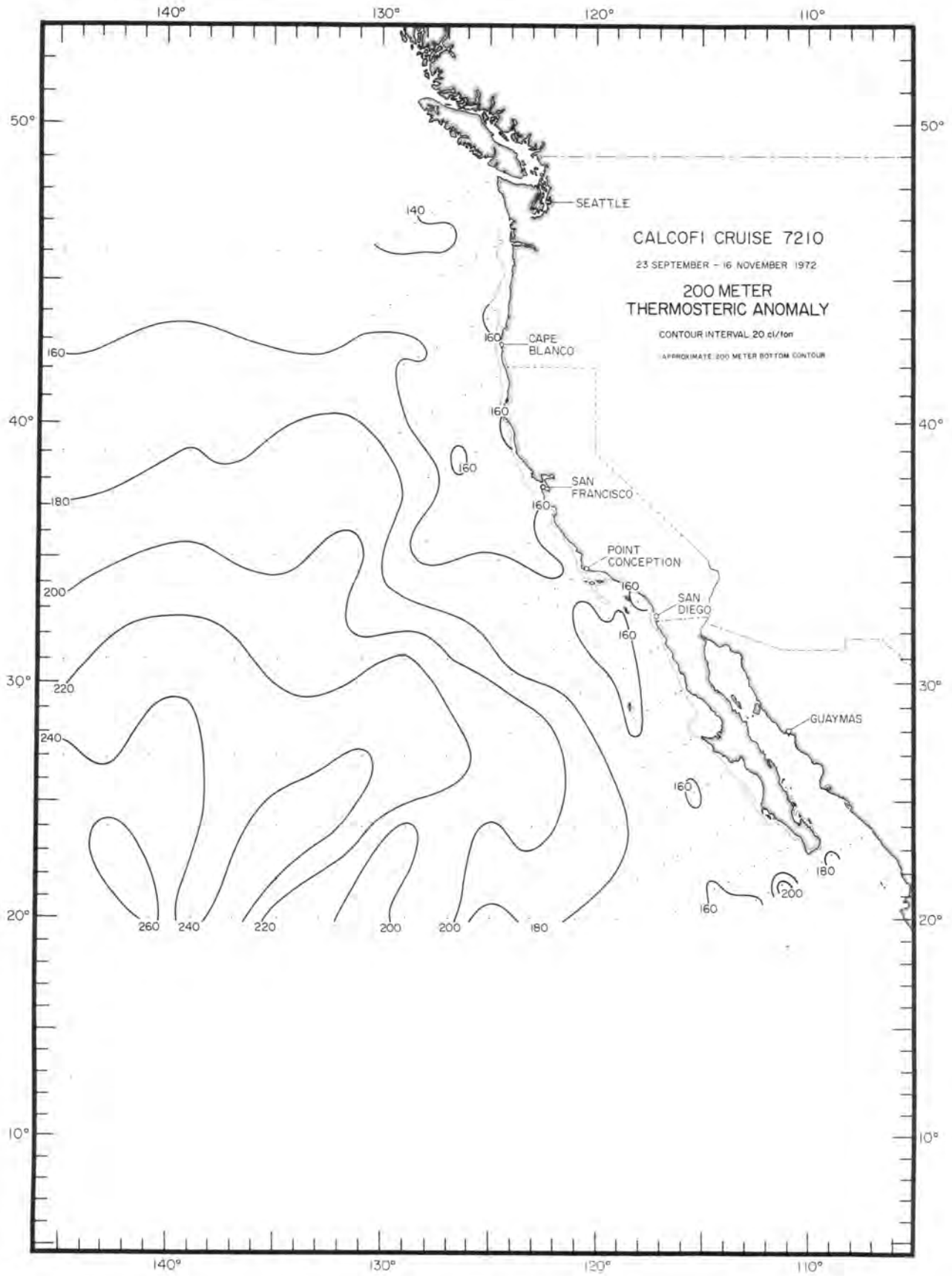


FIGURE 9

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, Jerry	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

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED			WEATHER			DOMINANT WAVES		
	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	25.5	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	1.66	2.69	61.	0.03	33.8	154.3																	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10000

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED			WEATHER			DOMINANT WAVES		
	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

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED			WEATHER			DOMINANT WAVES		
	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	13.96	31.92							10	13.96	31.92		23.842	407.0	0.041										
20	13.55	31.92							20	13.55	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		26.728	131.5	0.625										
400	5.48	34.01							400	5.48	34.01		26.857	120.2	0.755										
500	4.98	34.08							500	4.98	34.08		26.971	109.4	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	66.8	1.345										

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

10020

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED			WEATHER			DOMINANT WAVES		
	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	0.204										
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	7.36	33.82							150	7.36	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	134.9	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	3.98	34.33							800	3.98	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		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	3KT	2					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	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	236.4	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

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10030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
47 14.0 N		127 44.5 W		09/30/72	1519 GMT		2668 M	250	06 KT	2					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	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

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10040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
46 55.0 N		128 35.0 W		09/30/72	2215 GMT		2724 M	240	12 KT	1					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.17	32.31							0	15.17	32.31		23.888	402.7	0.000
10	15.15	32.30							10	15.15	32.30		23.884	403.0	0.040
20	15.07	32.32							20	15.07	32.32		23.917	399.9	0.080
30	14.98	32.35							30	14.98	32.35		23.959	395.8	0.120
50	11.29	32.51							50	11.29	32.51		24.810	314.7	0.192
75	8.22	32.66							75	8.22	32.66		25.429	255.8	0.263
100	7.74	32.99							100	7.74	32.99		25.757	224.6	0.324
125	7.80	33.47							125	7.80	33.47		26.125	189.7	0.376
150	6.98	33.73							150	6.98	33.73		26.444	159.4	0.420
200	6.46	33.91							200	6.46	33.91		26.655	139.4	0.496
250	5.82	33.95							250	5.82	33.95		26.768	128.7	0.564
300	5.35	33.98							300	5.35	33.98		26.849	121.0	0.623
400	4.69	34.05							400	4.69	34.05		26.980	108.6	0.747
500	4.63	34.16							500	4.63	34.16		27.074	99.7	0.856
600	4.27	34.23							600	4.27	34.23		27.168	90.7	0.956
700	4.06	34.28							700	4.06	34.28		27.230	84.9	1.050
800	3.88	34.33							800	3.88	34.33		27.288	79.3	1.139
1000	3.37	34.38							1000	3.37	34.38		27.378	70.8	1.303

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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	02	P04	S103	N02	N03	DT	Z	T	S	02	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

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10060

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

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20010

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
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	0.000	
									10	12.09	31.35			23.767	414.2	0.045	
									20	12.30	32.02			24.246	368.5	0.085	
									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	0.289	
									125	7.71	33.79			26.385	164.7	0.334	
									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	

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20010

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									10	12.27	31.16			23.589	431.3	0.040	
									20	11.19	32.06			24.483	345.9	0.087	
									30	9.31	32.45			25.119	285.3	0.138	
									50	7.64	32.68			25.532	246.1	0.172	
									75	7.48	32.86			25.688	231.2	0.231	
									100	7.83	33.32			26.001	201.5	0.286	
									125	7.67	33.69			26.116	171.6	0.333	
									150	7.52	33.82			26.435	160.3	0.375	
									200	7.08	33.92			26.577	146.3	0.453	
									250	6.54	33.97			26.690	136.1	0.525	
									300	6.28	33.99			26.747	131.2	0.594	
									400	5.79	34.03			26.874	122.4	0.726	
									500	5.51	34.05			26.884	117.7	0.851	
									600	4.87	34.14			27.030	103.2	0.988	
									700	4.41	34.24			27.160	91.5	1.072	
									800	4.15	34.29			27.222	85.1	1.168	

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20020

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
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	90.2	1.067	
									800	4.20	34.30			27.231	84.7	1.161	
									1000	3.67	34.41			27.373	71.3	1.333	

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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	S103	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	

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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	S103	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	

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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	S103	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	1.238	
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	S103	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	18 KT	1	310 6 15						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
0	16.40	32.08							0	16.40	32.08		23.439	445.5	0.000	
10	16.39	32.08							10	16.39	32.08		23.441	445.3	0.045	
20	16.40	32.08							20	16.40	32.08		23.439	445.5	0.049	
30	16.13	32.38							30	16.13	32.38		23.725	417.8	0.132	
50	14.10	32.66							50	14.10	32.66		24.383	355.4	0.210	
75	8.73	32.77							75	8.73	32.77		25.439	254.9	0.287	
100	7.93	32.81							100	7.93	32.81		25.589	240.6	0.349	
125	7.34	32.82							125	7.34	32.82		25.681	231.9	0.408	
150	7.04	33.07							150	7.04	33.07		25.918	209.4	0.464	
200	6.99	33.80							200	6.99	33.80		26.498	154.3	0.556	
250	6.31	33.87							250	6.31	33.87		26.643	140.5	0.631	
300	5.88	33.89							300	5.88	33.89		26.714	133.8	0.702	
400	5.12	33.99							400	5.12	33.99		26.884	117.7	0.832	
500	4.38	34.05							500	4.38	34.05		27.014	105.4	0.948	
600	4.14	34.13							600	4.14	34.13		27.103	96.9	1.054	
700	3.94	34.22							700	3.94	34.22		27.195	88.2	1.152	
800	3.78	34.25							800	3.78	34.25		27.235	84.4	1.245	
1000	3.32	34.35							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	310 6 15						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
0	16.72	31.98							0	16.72	31.98		23.289	459.8	0.000	
10	16.72	31.98							10	16.72	31.98		23.289	459.8	0.046	
20	16.49	32.07							20	16.49	32.07		23.410	448.2	0.091	
30	16.32	32.24							30	16.32	32.24		23.579	432.1	0.136	
50	12.51	32.29							50	12.51	32.29		24.414	352.5	0.214	
75	8.69	32.70							75	8.69	32.70		25.390	259.5	0.291	
100	8.09	32.80							100	8.09	32.80		25.558	243.6	0.354	
125	7.56	32.81							125	7.56	32.81		25.642	235.6	0.415	
150	7.47	33.09							150	7.47	33.09		25.874	213.5	0.471	
200	7.15	33.77							200	7.15	33.77		26.452	158.6	0.566	
250	6.65	33.88							250	6.65	33.88		26.607	144.0	0.643	
300	6.10	33.89							300	6.10	33.89		26.686	136.4	0.715	
400	4.95	33.91							400	4.95	33.91		26.842	121.6	0.848	
500	4.31	34.03							500	4.31	34.03		27.006	106.1	0.966	
600	4.12	34.13							600	4.12	34.13		27.105	96.8	1.073	
700	3.86	34.20							700	3.86	34.20		27.187	89.0	1.171	
800	3.73	34.25							800	3.73	34.25		27.240	83.9	1.264	
1000	3.43	34.33							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	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
0	16.76	32.02	5.96	0.29	0.	0.00	0.0	457.8	0	16.76	32.02	5.96	23.310	457.8	0.000	
10	16.69	32.07	5.91	0.27	0.	0.00	0.0	452.6	10	16.69	32.07	5.91	23.365	452.6	0.046	
20	16.32	32.31	5.85	0.31	0.	0.01	0.0	427.0	20	16.32	32.31	5.85	23.441	445.2	0.090	
30	16.32	32.31	5.85	0.31	0.	0.01	0.0	427.0	30	16.32	32.31	5.85	23.633	427.0	0.134	
50	11.58	32.55	4.66	2.791	316.7	0.209			50	11.58	32.55	4.66	24.791	316.7	0.209	
75	8.02	32.77	6.59	0.92	3.	0.18	7.0	244.8	75	8.02	32.77	6.59	25.462	252.7	0.280	
100	7.74	32.77	6.52	1.02	7.	0.03	8.2	241.0	100	7.74	32.77	6.52	25.554	244.0	0.343	
125	7.50	33.06	5.79	1.25	15.	0.02	13.7	216.2	125	7.50	33.06	5.79	25.692	230.3	0.402	
150	7.43	33.31	5.20	1.48	23.	0.00	17.3	196.8	150	7.43	33.31	5.20	25.920	205.2	0.458	
175	7.16	33.74	4.72	1.68	33.	0.00	22.0	161.0	175	7.16	33.74	4.72	26.453	158.1	0.551	
200	6.86	33.85	4.22	1.83	40.	0.00	25.5	148.5	200	6.86	33.85	4.22	26.600	144.6	0.629	
225	6.05	33.86	3.35	2.25	53.	0.01	31.2	117.9	225	6.05	33.86	3.35	26.674	137.5	0.701	
250	4.86	33.90	2.08	2.76	75.	0.01	35.4	121.6	250	4.86	33.90	2.08	26.833	122.5	0.835	
275	4.32	34.03	1.04	3.18	96.	0.01	42.5	106.3	275	4.32	34.03	1.04	26.983	103.3	0.954	
300	4.02	34.16	0.71	3.30	115.	0.01	43.4	93.5	300	4.02	34.16	0.71	27.092	97.9	1.063	
325	3.72	34.27	0.31	3.39	128.	0.00	44.8	82.3	325	3.72	34.27	0.31	27.177	89.9	1.162	
350	3.44	34.31	0.27	3.43	140.	0.00	45.0	76.7	350	3.44	34.31	0.27	27.249	81.2	1.255	
375	2.98	34.44	0.43	3.34	160.	0.00	45.9	62.9	375	2.98	34.44	0.43	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	10/07/72	2050	GMT		3447 M	270	5 KT		290 4 14						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
0	17.21	32.70							0	17.21	32.70		23.725	418.2	0.000	
10	16.98	32.67							10	16.98	32.67		23.756	415.2	0.042	
20	16.91	32.67							20	16.91	32.67		23.772	413.7	0.053	
30	16.86	32.67							30	16.86	32.67		23.784	412.6	0.125	
50	14.96	32.64							50	14.96	32.64		24.186	374.2	0.203	
75	10.00	32.85							75	10.00	32.85		25.282	269.8	0.284	
100	8.91	32.93							100	8.91	32.93		25.536	245.7	0.349	
125	8.28	33.00							125	8.28	33.00		25.686	231.4	0.409	
150	8.03	33.24							150	8.03	33.24		25.911	210.0	0.463	
200	7.46	33.81							200	7.46	33.81		26.440	159.4	0.559	
250	7.07	33.93							250	7.07	33.93		26.589	145.7	0.637	
300	6.21	33.93							300	6.21	33.93		26.703	134.8	0.709	
400	5.05	33.95							400	5.05	33.95		26.860	119.9	0.841	
500	4.32	34.02							500	4.32	34.02		26.996	107.0	0.959	
600	3.97	34.10							600	3.97	34.10		27.096	97.5	1.066	
700	3.62	34.19							700	3.62	34.19		27.183	89.3	1.165	
800	3.76	34.26							800	3.76	34.26		27.245	83.5	1.257	
1000	3.32	34.33							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	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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	15.35	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			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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	3.58A	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				
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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	SIGT	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	SIGT	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	SIGT	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	13.00	32.520	6.55	0.83	5.	0.28	5.6	272.4	20	13.00	32.520	6.55	24.497	344.6	0.070	
30	10.24	32.847	6.35	0.83	5.	0.18	10.5	239.6	30	10.24	32.847	6.35	25.255	272.4	0.100	
54	8.67	32.965	5.98	1.11	10.	0.05	13.5	227.5	50	8.93	32.944	6.06	25.542	245.1	0.152	
69	8.48	33.091	5.48	1.28	15.	0.00	15.2	214.2	75	8.23	33.121	5.42	25.768	221.7	0.211	
83	7.93	33.165	5.35	1.36	18.	0.00	17.2	203.2	100	8.03	33.346	4.90	25.993	202.2	0.264	
99	8.04	33.334	4.93	1.50	23.	0.00	20.7	176.6	125	7.81	33.604	4.24	26.227	180.0	0.313	
129	7.76	33.639	4.14	1.76	31.	0.00	26.3	164.2	150	7.66	33.763	3.70	26.375	166.0	0.356	
153	7.64	33.775	3.67	1.93	36.	0.00	25.4	146.7	200	7.00	33.874	3.49	26.554	149.0	0.436	
176	7.32	33.834	3.95	1.84	37.	0.00	25.4	146.7	250	6.36	33.899	3.40	26.660	138.9	0.510	
211	6.86	33.886	3.86	1.92	42.	0.00	31.1	135.6	300	5.96	33.939	2.55	26.742	131.1	0.579	
273	6.10	33.902	3.04	2.31	54.	0.00	34.9	121.1	400	5.42	34.037	1.29	26.885	117.6	0.708	
369	5.69	34.031	1.45	2.87	72.	0.00	37.2	111.0	500	4.87	34.091	0.95	26.992	107.4	0.826	
466	4.90	34.047	1.14	3.08	85.	0.00	42.9	98.3	600	4.79	34.209	0.43	27.095	97.7	0.934	
596	4.80	34.206	0.44	3.24	97.	0.00	42.1	86.5	700	4.42	34.263	0.24	27.178	89.8	1.034	
748	4.22	34.280	0.22	3.38	116.	0.00	42.9	76.6	800	4.06	34.306	0.22	27.251	82.9	1.128	
897	3.79	34.353	0.22	3.40	126.	0.00	45.7	65.1	1000	3.56	34.400	0.32	27.376	71.0	1.297	
1106	3.32	34.450	0.43	3.35	142.	0.00										

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							0	14.99	32.33		23.942	397.5	0.000	
10	14.99	32.33							10	14.99	32.33		23.942	397.5	0.040	
20	14.94	32.32							20	14.94	32.32		23.945	397.2	0.080	
30	14.81	32.38							30	14.81	32.38		24.019	390.2	0.119	
50	17.22	32.65							50	17.22	32.65		24.747	320.7	0.190	
75	9.50	32.85							75	9.50	32.85		25.380	260.5	0.263	
100	8.75	33.16							100	8.75	33.16		25.740	226.3	0.324	
125	8.46	33.33							125	8.46	33.33		25.917	209.4	0.379	
150	8.00	33.66							150	8.00	33.66		26.244	178.4	0.428	
200	7.10	33.89							200	7.10	33.89		26.553	149.0	0.512	
250	6.46	33.93							250	6.46	33.93		26.671	137.9	0.585	
300	5.88	33.94							300	5.88	33.94		26.753	130.1	0.654	
400	5.63	34.03							400	5.63	34.03		26.855	120.4	0.783	
500	4.80	34.04							500	4.80	34.04		26.960	110.5	0.904	
600	4.67	34.17							600	4.67	34.17		27.077	99.3	1.015	
700	4.20	34.23							700	4.20	34.23		27.176	90.0	1.116	
800	3.77	34.31							800	3.77	34.31		27.283	79.8	1.207	
1000	3.34	34.40							1000	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									0	15.32	32.24		23.801	410.9	0.000	
10									10	15.32	32.24		23.801	410.9	0.041	
20									20	15.30	32.26		23.821	409.0	0.082	
30									30	15.30	32.25		23.813	409.7	0.123	
50									50	12.39	32.59		24.669	328.2	0.197	
75									75	9.45	32.72		25.286	269.4	0.272	
100									100	8.45	32.83		25.528	246.4	0.337	
125									125	8.22	33.20		25.852	215.6	0.395	
150									150	8.31	33.46		26.042	197.6	0.447	
200									200	7.76	33.85		26.428	160.9	0.539	
250									250	7.29	33.93		26.558	148.6	0.618	
300									300	6.66	33.99		26.692	135.9	0.691	
400									400	5.80	34.02		26.826	123.2	0.825	
500									500	5.10	34.10		26.973	109.2	0.947	
600									600	4.56	34.16		27.081	96.9	1.056	
700									700	3.99	34.21		27.182	89.4	1.157	
800									800	4.02	34.30		27.250	83.0	1.250	
1000									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									0	15.44	32.59		24.043	387.8	0.000	
10									10	15.48	32.59		24.035	388.6	0.039	
20									20	15.48	32.60		24.042	387.9	0.078	
30									30	15.48	32.61		24.050	387.2	0.117	
50									50	15.14	32.58		24.101	382.3	0.194	
75									75	9.75	32.77		25.277	270.3	0.276	
100									100	8.60	32.97		25.615	238.2	0.340	
125									125	8.22	33.24		25.883	212.7	0.396	
150									150	7.77	33.53		26.176	184.9	0.447	
200									200	7.20	33.83		26.492	154.8	0.533	
250									250	6.55	33.90		26.636	141.2	0.609	
300									300	6.04	33.92		26.717	133.5	0.679	
400									400	5.34	34.00		26.866	119.4	0.810	
500									500	4.70	34.10		27.019	104.9	0.927	
600									600	4.36	34.16		27.103	96.9	1.033	
700									700	4.11	34.24		27.193	88.4	1.132	
800									800	3.89	34.31		27.271	81.0	1.223	
1000									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									0	15.46	32.59	6.42	24.039	388.2	0.000	
10									10	15.47	32.60	6.38	24.044	387.7	0.039	
20									20	15.46	32.60	6.10	24.046	387.6	0.078	
30									30	15.46	32.60	5.87	24.047	387.5	0.116	
50									50	15.20	32.62	6.44	24.119	380.6	0.193	
75									75	9.62	32.79	4.08	25.310	267.2	0.275	
100									100	8.89	33.03	5.56	25.617	258.0	0.338	
125									125	8.22	33.25	5.21	25.889	212.1	0.395	
150									150	7.90	33.50	4.49	26.133	188.9	0.446	
200									200	7.48	33.84	3.62	26.462	157.7	0.534	
250									250	6.70	33.91	3.07	26.626	142.1	0.610	
300									300	6.14	33.93	2.50	26.715	133.7	0.681	
400									400	5.54	34.03	1.44	26.863	119.7	0.812	
500									500	4.73	34.08	0.93	26.999	106.8	0.931	
600									600	4.38	34.15	0.69	27.095	97.6	1.038	
700									700	4.10	34.25	0.42	27.199	87.9	1.137	
800									800	3.85	34.32	0.29	27.286	79.6	1.227	
1000									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									0	12.16	33.01		25.037	293.1	0.000	
10									10	12.18	33.02		25.041	292.8	0.029	
20									20	12.20	33.03		25.045	292.4	0.059	
30									30	12.20	33.03		25.045	292.4	0.088	
50									50	11.98	33.06		25.110	286.2	0.146	
75									75	9.29	33.31		25.772	223.2	0.210	
100									100	8.99	33.59		26.038	197.9	0.263	
125									125	8.50	33.81		26.286	174.4	0.310	
150									150	8.48	33.95		26.399	163.7	0.353	
200									200	7.61	34.01		26.575	146.9	0.432	
250									250	7.31	34.07		26.665	138.4	0.505	
300									300	6.83	34.07		26.759	129.6	0.574	
400									400	6.28	34.14		26.860	120.0	0.704	
500									500	5.54	34.19		26.992	107.4	0.823	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721C

40040

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02		SIGT	DT	DB					
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	0.92	2.84	84.	0.01	39.8		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

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02		SIGT	DT	DB					
0	12.57	32.94							0	12.57	32.94		24.905	305.7	0.000						
10	12.57	32.94							10	12.57	32.94		24.905	305.7	0.031						
20	12.56	32.95							20	12.56	32.95		24.914	304.8	0.061						
30	12.07	32.96							30	12.07	32.96		25.015	295.2	0.091						
50	11.49	32.97							50	11.49	32.97		25.057	291.3	0.150						
75	9.91	33.22							75	9.91	33.22		25.600	239.5	0.217						
100	9.10	33.52							100	9.10	33.52		25.966	204.8	0.273						
125	8.85	33.73							125	8.85	33.73		26.170	185.5	0.322						
150	8.70	33.77							150	8.70	33.77		26.224	180.3	0.368						
200	7.91	33.96							200	7.91	33.96		26.492	154.8	0.454						
250	7.08	33.97							250	7.08	33.97		26.619	142.8	0.530						
300	6.59	34.01							300	6.59	34.01		26.717	133.5	0.601						
400	5.54	34.03							400	5.54	34.03		26.866	119.4	0.732						
500	5.34	34.15							500	5.34	34.15		26.985	108.1	0.851						
600	4.83	34.20							600	4.83	34.20		27.063	98.6	0.961						
700	4.59	34.28							700	4.59	34.28		27.173	90.3	1.062						
800	4.36	34.34							800	4.36	34.34		27.246	83.4	1.156						
1000	3.86	34.38							1000	3.86	34.38		27.330	75.4	1.331						

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721V

40060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02		SIGT	DT	DB					
0	12.74	32.93							0	12.74	32.93		24.864	309.6	0.000						
10	12.74	32.93							10	12.74	32.93		24.864	309.6	0.031						
20	12.74	32.93							20	12.74	32.93		24.864	309.6	0.062						
30	12.53	32.94							30	12.53	32.94		24.912	305.0	0.093						
50	10.39	33.02							50	10.39	33.02		25.364	262.1	0.150						
75	9.34	33.23							75	9.34	33.23		25.702	229.9	0.211						
100	8.58	33.46							100	8.58	33.46		26.001	201.5	0.266						
125	8.54	33.80							125	8.54	33.80		26.272	175.7	0.313						
150	8.31	33.86							150	8.31	33.86		26.354	167.9	0.357						
200	7.74	33.96							200	7.74	33.96		26.517	152.4	0.439						
250	7.05	34.01							250	7.05	34.01		26.654	139.4	0.513						
300	6.66	34.02							300	6.66	34.02		26.715	135.7	0.584						
400	5.78	34.06							400	5.78	34.06		26.860	119.9	0.715						
500	5.08	34.10							500	5.08	34.10		26.975	109.0	0.835						
600	4.66	34.19							600	4.66	34.19		27.094	97.7	0.944						
700	4.34	34.29							700	4.34	34.29		27.208	86.9	1.043						
800	4.04	34.34							800	4.04	34.34		27.280	80.2	1.133						
1000	3.61	34.43							1000	3.61	34.43		27.395	69.3	1.298						

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 721W

40060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02		SIGT	DT	DB					
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	291.2	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	4.54	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	34.8	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	41.8	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	0.11	27.276	80.5	1.120						
1150	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	1.285						

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

40070

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	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	4.75	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

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	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

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	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	5.66	34.08							400	5.66	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

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	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	6.98	33.95							250	6.98	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	2.86	2.68	68.	0.00	34.4	123.1	400	5.29	33.988	2.49	26.863	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	148.0	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		11/01/72		1358 GMT			4484 M	270	14 KT	?					
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	4.88	34.02							500	4.88	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	248.4	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	0.747		
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	4.47	34.12							600	4.47	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									0	12.94	33.36		25.157	281.8	0.000
10									10	12.94	33.36		25.157	281.8	0.028
20									20	12.96	33.37		25.160	281.4	0.056
30									30	13.05	33.41		25.173	280.2	0.085
50									50	12.02	33.46		25.411	257.5	0.138
75									75	10.72	33.62		25.773	223.2	0.199
100									100	9.89	33.80		26.055	196.3	0.252
125									125	9.40	33.93		26.238	179.0	0.299
150									150	9.20	33.99		26.317	171.5	0.344
200									200	8.75	34.06		26.443	159.5	0.428
250									250	8.39	34.07		26.506	153.5	0.508
300									300	7.96	34.09		26.587	145.9	0.586
400									400	6.60	34.18		26.822	123.5	0.726
500									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	5.99	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	9.05	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	125.8	400	6.71	34.152	1.12	26.812	124.5	0.718
488	5.92	34.162	0.85	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									0	12.97	32.87		24.773	318.5	0.000
10									10	12.97	32.87		24.773	318.3	0.032
20									20	12.97	32.88		24.780	317.6	0.064
30									30	12.34	33.22		25.165	280.7	0.094
50									50	11.83	33.51		25.331	265.2	0.144
75									75	9.30	33.22		25.700	230.0	0.211
100									100	8.50	33.80		26.044	197.4	0.264
125									125	8.53	33.62		26.133	188.9	0.313
150									150	8.31	33.83		26.331	170.1	0.359
200									200	7.68	33.93		26.503	153.8	0.441
250									250	6.97	33.95		26.618	142.9	0.517
300									300	6.55	33.98		26.698	135.3	0.589
400									400	5.47	34.06		26.895	116.6	0.719
500									500	5.05	34.12		26.995	107.2	0.836
600									600	4.58	34.21		27.119	95.4	0.943
700									700	4.29	34.28		27.206	87.2	1.041
800									800	4.04	34.33		27.272	80.9	1.132
1000									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				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	13.47	32.95		24.735	321.9	0.000
10									10	13.47	32.95		24.735	321.9	0.032
20									20	13.40	32.95		24.749	320.6	0.064
30									30	13.10	32.94		24.801	315.6	0.096
50									50	12.99	32.95		24.830	312.8	0.159
75									75	10.23	33.23		25.554	243.9	0.229
100									100	9.45	33.44		25.887	212.3	0.287
125									125	9.05	33.76		26.162	186.2	0.337
150									150	8.73	33.87		26.298	173.3	0.383
200									200	8.05	34.00		26.503	153.8	0.466
250									250	7.82	34.08		26.600	144.6	0.542
300									300	7.18	34.09		26.699	135.2	0.615
400									400	6.23	34.11		26.843	121.6	0.748
500									500	5.62	34.16		26.959	110.6	0.870
600									600	5.29	34.27		27.085	98.6	0.981
700									700	4.71	34.29		27.168	90.8	1.083
800									800	4.41	34.37		27.264	81.6	1.177
1000									1000	3.80	34.43		27.376	71.1	1.346

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50080

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T			S	02	SIGT			DT	DD	
0											350.4	0	15.19	33.03		02	24.435	350.4	0.000	
10											350.5	10	15.19	33.04		02	24.443	349.7	0.035	
20											342.0	20	15.19	33.04		02	24.443	349.7	0.070	
30											312.3	30	15.19	33.04		02	24.443	349.7	0.105	
50											273.5	50	13.64	32.99		02	24.731	322.2	0.172	
75											246.8	75	11.21	32.99		02	25.197	277.9	0.248	
100											228.4	100	9.82	33.16		02	25.569	242.6	0.313	
125											170.2	125	9.40	33.46		02	25.871	213.8	0.371	
150											156.7	150	9.19	33.75		02	26.131	189.1	0.422	
200											142.9	200	8.65	33.98		02	26.396	164.0	0.512	
250											126.5	250	7.79	34.01		02	26.549	149.4	0.592	
300											115.1	300	7.29	34.05		02	26.652	139.6	0.667	
400											76.6	400	6.45	34.15		02	26.845	121.3	0.802	
500											58.9	500	5.41	34.14		02	26.968	109.7	0.924	
600											40.5	600	5.21	34.28		02	27.102	97.0	1.033	
700											26.6	700	4.67	34.30		02	27.180	89.6	1.134	
800											15.1	800	4.45	34.38		02	27.268	81.3	1.227	
1000											65.9	1000	3.80	34.44		02	27.384	70.3	1.395	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50080

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	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	76.6	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

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T			S	02	SIGT			DT	DD	
0											4493 M	0	13.79	32.83		02	24.577	336.9	0.000	
10											4493 M	10	13.79	32.83		02	24.577	336.9	0.034	
20											4493 M	20	13.79	32.83		02	24.577	336.9	0.067	
30											4493 M	30	13.80	32.84		02	24.583	336.3	0.101	
50											4493 M	50	13.90	32.93		02	24.632	331.7	0.168	
75											4493 M	75	9.80	32.93		02	25.378	260.7	0.243	
100											4493 M	100	8.86	33.16		02	25.723	227.9	0.304	
125											4493 M	125	8.69	33.51		02	26.023	199.4	0.358	
150											4493 M	150	8.43	33.74		02	26.242	176.6	0.406	
200											4493 M	200	7.85	33.92		02	26.470	156.9	0.491	
250											4493 M	250	6.98	33.97		02	26.633	141.5	0.568	
300											4493 M	300	6.12	33.97		02	26.746	130.7	0.638	
400											4493 M	400	5.72	34.13		02	26.923	114.0	0.764	
500											4493 M	500	5.35	34.24		02	27.054	101.5	0.878	
600											4493 M	600	4.81	34.27		02	27.141	93.3	0.981	
700											4493 M	700	4.38	34.32		02	27.228	85.1	1.077	
800											4493 M	800	4.06	34.37		02	27.301	78.1	1.166	
1000											4493 M	1000	3.59	34.45		02	27.412	67.6	1.327	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

50100

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T			S	02	SIGT			DT	DD	
0											4493 M	0	15.27	32.96		02	24.364	357.2	0.000	
10											4493 M	10	15.24	32.96		02	24.366	357.0	0.036	
20											4493 M	20	15.24	32.97		02	24.379	355.8	0.071	
30											4493 M	30	15.26	32.96		02	24.366	357.0	0.107	
50											4493 M	50	13.78	32.78		02	24.541	340.4	0.177	
75											4493 M	75	12.15	33.07		02	25.025	288.5	0.256	
100											4493 M	100	13.34	32.98		02	25.341	264.2	0.326	
125											4493 M	125	9.43	33.08		02	25.570	242.4	0.389	
150											4493 M	150	8.81	33.34		02	25.871	213.8	0.447	
200											4493 M	200	8.53	33.89		02	26.344	168.9	0.544	
250											4493 M	250	7.60	33.95		02	26.530	151.3	0.626	
300											4493 M	300	6.95	33.98		02	26.647	140.1	0.701	
400											4493 M	400	5.88	34.03		02	26.826	123.1	0.838	
500											4493 M	500	4.98	34.07		02	26.963	110.1	0.960	
600											4493 M	600	4.83	34.20		02	27.083	98.8	1.070	
700											4493 M	700	4.40	34.26		02	27.178	89.8	1.171	
800											4493 M	800	4.19	34.34		02	27.264	81.6	1.264	
1000											4493 M	1000	3.68	34.44		02	27.396	69.2	1.450	

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			4787 M	290	02 KT		290 10 06		
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	16.32	33.06		24.206	372.3	0.000
10									10	16.32	33.06		24.206	372.3	0.037
20									20	16.32	33.06		24.206	372.3	0.075
30									30	16.33	33.06		24.204	372.5	0.112
50									50	16.34	33.06		24.202	372.7	0.187
75									75	12.97	33.10		24.950	301.4	0.271
100									100	11.67	33.11		25.206	277.1	0.344
125									125	10.77	33.16		25.407	258.0	0.412
150									150	10.15	33.32		25.638	236.0	0.474
200									200	9.05	33.74		26.146	167.7	0.582
250									250	7.90	33.94		26.478	156.2	0.670
300									300	7.14	33.95		26.595	145.1	0.747
400									400	5.94	33.98		26.789	126.6	0.888
500									500	5.36	34.09		26.935	112.9	1.013
600									600	4.84	34.16		27.050	101.9	1.126
700									700	4.52	34.26		27.165	91.0	1.230
800									800	4.26	34.33		27.249	83.1	1.324
1000									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	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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	233.4	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	24.0	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	47.0	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	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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	33.06							20	13.41	33.06		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	257.5	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	9.06	33.72							125	9.06	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	1.309

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	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	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
616	4.95	34.260	0.51	3.34	96.	0.03	33.60	95.6	600	5.01	34.249	0.53	27.101	97.1	0.952
772	4.40	34.363	0.40	3.39	111.	0.03	41.5	82.1	700	4.64	34.319	0.45	27.199	87.8	1.051
922	4.02	34.423	0.42	3.39	120.	0.04	41.7	73.7	800	4.33	34.376	0.40	27.278	80.3	1.143
1133	3.34	34.486	0.71	3.34	137.	0.02	41.7	62.6	1000	3.77	34.446	0.53	27.391	69.6	1.309

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									0	15.69	33.11		24.367	355.1	0.000
10									10	15.69	33.11		24.387	355.1	0.036
20									20	15.69	33.11		24.387	355.1	0.071
30									30	15.69	33.11		24.367	355.1	0.107
40									40	15.65	33.10		24.388	355.0	0.178
50									50	10.10	33.37		25.685	231.5	0.252
60									60	9.32	33.60		25.993	202.2	0.306
70									70	8.81	33.76		26.199	182.6	0.355
80									80	8.50	33.89		26.349	168.4	0.399
90									90	7.75	33.96		26.516	152.6	0.461
100									100	7.27	34.04		26.647	140.1	0.556
110									110	6.48	34.03		26.747	130.7	0.626
120									120	5.58	34.10		26.916	114.6	0.753
130									130	5.33	34.18		27.009	105.8	0.869
140									140	4.83	34.25		27.123	95.0	0.975
150									150	4.42	34.32		27.223	85.5	1.072
160									160	4.18	34.38		27.297	78.6	1.161
170									170	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
20	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
30	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
40	10.56	33.319	5.57	1.20	9.	0.10	12.4	242.9	40	13.35	33.163	6.36	24.922	304.1	0.175
50	9.78	33.420	5.04	1.36	16.	0.08	16.6	242.7	50	10.21	33.351	5.39	25.651	234.8	0.247
60	9.34	33.598	4.36	1.72	22.	0.08	18.3	202.7	60	9.34	33.598	4.36	25.989	202.7	0.297
70	8.82	33.742	3.81	1.87	27.	0.08	20.8	184.1	70	8.82	33.728	3.85	26.162	186.2	0.346
80	8.44	33.867	3.49	1.90	32.	0.06	25.7	169.3	80	8.52	33.843	3.55	26.309	172.3	0.392
90	8.12	33.885						163.4	90	7.78	33.915	3.50	26.476	156.4	0.476
100	7.50	33.944	3.50	2.04	39.	0.07	25.9	150.4	100	7.15	33.991	2.86	26.625	142.2	0.552
110	6.92	34.022	2.21	2.47	54.	0.05	33.7	136.9	110	6.70	34.034	1.99	26.720	133.2	0.623
120	5.91	34.068	1.44	2.85	69.	0.05	33.6	120.9	120	5.79	34.081	1.32	26.875	116.5	0.753
130	5.41	34.137	0.91	3.14	80.	0.05	35.9	109.9	130	5.32	34.155	0.81	26.991	107.5	0.872
140	4.83	34.259	0.38	3.33	97.	0.01	41.4	94.4	140	4.89	34.246	0.42	27.113	95.9	0.980
150	4.32	34.360	0.39	3.40	112.	0.00	41.4	81.5	150	4.53	34.320	0.39	27.211	86.6	1.078
160	3.90	34.427	0.47	3.37	121.	0.00	41.4	72.3	160	4.23	34.377	0.41	27.289	79.3	1.168
170	3.38	34.481	1.13	3.34	132.	0.00	41.4	63.3	170	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							0	14.97	33.46		24.813	314.4	0.000
10	14.97	33.46							10	14.97	33.46		24.813	314.4	0.031
20	14.97	33.47							20	14.97	33.47		24.821	313.7	0.063
30	14.97	33.47							30	14.97	33.47		24.821	313.7	0.094
40	11.65	33.49							40	11.65	33.49		25.504	248.7	0.151
50	10.78	33.56							50	10.78	33.56		25.731	227.1	0.211
60	10.12	33.77							60	10.12	33.77		25.993	202.3	0.265
70	9.89	33.85							70	9.89	33.85		26.094	192.6	0.315
80	9.73	33.98							80	9.73	33.98		26.222	180.5	0.362
90	9.47	34.12							90	9.47	34.12		26.374	166.0	0.450
100	8.95	34.12							100	8.95	34.12		26.458	153.0	0.534
110	8.11	34.18							110	8.11	34.18		26.635	141.3	0.611
120	7.28	34.20							120	7.28	34.20		26.772	128.3	0.752
130	6.15	34.21							130	6.15	34.21		26.932	113.2	0.879
140	5.45	34.26							140	5.45	34.26		27.058	101.1	0.993
150	5.03	34.31							150	5.03	34.31		27.147	92.7	1.098
160	4.63	34.36							160	4.63	34.36		27.232	84.7	1.194
170	3.94	34.45							170	3.94	34.45		27.377	70.9	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
21	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
31	11.40	33.51	4.67	1.16	13.	0.02	11.2	242.9	40	12.29	33.47	5.01	25.372	261.3	0.153
41	10.92	33.58	4.43	1.31	15.	0.02	13.3	229.5	50	10.81	33.60	4.36	25.741	226.1	0.214
51	10.52	33.66	4.13	1.50	18.	0.02	16.1	216.9	60	10.18	33.75	3.77	25.970	204.5	0.269
61	10.16	33.76	3.74	1.67	22.	0.01	16.0	203.6	70	9.89	33.87	3.32	26.108	191.3	0.319
71	9.86	33.89	3.23	1.83	26.	0.01	18.9	179.2	80	9.73	33.97	2.93	26.214	181.2	0.366
81	9.70	33.99	2.86	2.01	31.	0.01	23.7	179.3	90	9.53	34.11	2.52	26.350	167.5	0.455
91	9.58	34.08	2.51	2.19	35.	0.00	24.5	170.7	100	8.85	34.13	2.29	26.485	155.5	0.538
101	9.46	34.12	2.52	2.28	35.	0.00	25.0	165.9	110	8.08	34.16	1.82	26.621	142.7	0.615
111	8.29	34.14	2.04	2.43	45.	0.00	29.0	146.8	120	7.26	34.20	1.06	26.777	127.8	0.756
121	7.50	34.20	1.14	2.83	56.	0.01	29.0	131.3	130	6.22	34.22	0.85	26.929	113.4	0.883
131	6.42	34.21	0.92	3.15	72.	0.00	34.4	116.5	140	5.53	34.26	0.57	27.052	101.8	0.998
141	5.48	34.27	0.54	3.29	98.	0.00	41.8	100.7	150	5.02	34.32	0.47	27.159	91.6	1.102
151	4.76	34.36	0.42	3.40	105.	0.00	40.7	86.0	160	4.62	34.38	0.43	27.248	83.2	1.198
161	4.24	34.42	0.45	3.44	116.	0.00	42.3	76.1	170	3.95	34.44	0.57	27.372	71.4	1.369
171	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									0	15.57	33.46		24.682	327.0	0.000	
10									10	15.57	33.46		24.682	327.0	0.033	
20									20	15.57	33.46		24.682	327.0	0.065	
30									30	15.57	33.46		24.682	327.0	0.098	
50									50	11.64	33.36		25.405	258.1	0.157	
75									75	10.18	33.49		25.765	223.9	0.218	
100									100	9.67	33.65		25.975	203.9	0.271	
125									125	9.05	33.82		26.208	181.8	0.320	
150									150	8.67	33.92		26.346	168.7	0.365	
200									200	8.10	34.00		26.496	154.5	0.447	
250									250	7.50	34.05		26.623	142.5	0.523	
300									300	7.01	34.10		26.731	132.2	0.594	
400									400	6.10	34.11		26.859	120.0	0.725	
500									500	5.58	34.18		26.979	108.6	0.845	
600									600	5.21	34.25		27.079	99.2	0.956	
700									700	4.78	34.33		27.192	88.5	1.057	
800									800	4.45	34.38		27.268	81.3	1.149	
1000									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									0	14.21	33.04		24.652	329.8	0.000	
10									10	14.21	33.04		24.652	329.8	0.033	
20									20	14.14	33.05		24.674	327.7	0.066	
30									30	13.25	33.04		24.848	311.1	0.098	
50									50	10.75	32.92		25.224	275.4	0.157	
75									75	10.15	33.21		25.552	244.1	0.222	
100									100	10.00	33.55		25.842	216.6	0.290	
125									125	9.04	33.67		26.093	192.8	0.332	
150									150	8.75	33.87		26.295	173.6	0.378	
200									200	8.12	33.98		26.477	156.3	0.462	
250									250	7.53	34.01		26.587	145.0	0.540	
300									300	7.16	34.06		26.675	137.4	0.613	
400									400	6.33	34.09		26.814	124.3	0.749	
500									500	5.67	34.14		26.937	112.7	0.873	
600									600	5.20	34.24		27.072	99.8	0.986	
700									700	4.91	34.32		27.169	90.7	1.088	
800									800	4.52	34.37		27.252	82.8	1.185	
1000									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									0	14.85	33.30		24.716	323.7	0.000	
10									10	14.86	33.30		24.716	323.9	0.032	
20									20	14.87	33.30		24.712	324.1	0.065	
30									30	14.60	33.27		24.747	320.8	0.097	
50									50	10.75	33.36		25.565	242.9	0.154	
75									75	10.40	33.66		25.859	214.9	0.211	
100									100	9.85	33.84		26.086	193.2	0.263	
125									125	9.46	33.97		26.256	177.3	0.310	
150									150	9.32	34.05		26.344	168.9	0.354	
200									200	9.02	34.15		26.471	156.9	0.437	
250									250	8.87	34.18		26.518	152.4	0.516	
300									300	8.60	34.21		26.584	146.2	0.593	
400									400	7.92	34.20		26.679	137.1	0.741	
500									500	6.66	34.16		26.825	123.2	0.878	
600									600	5.40	34.22		26.984	108.2	1.002	
700									700	5.19	34.28		27.105	96.7	1.112	
800									800	4.58	34.33		27.214	86.4	1.212	
1000									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		4355 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									0	14.94	33.303		24.699	325.3	0.000	
10									10	14.90	33.302		24.707	324.5	0.033	
30									20	14.90	33.304		24.708	324.5	0.065	
55									30	14.90	33.304		24.709	324.4	0.098	
70									50	11.52	33.071		25.203	277.3	0.158	
85									75	10.63	33.891		25.835	217.2	0.220	
101									100	10.00	33.794		26.032	198.5	0.272	
131									125	9.63	33.919		26.191	183.4	0.321	
156									150	9.42	34.018		26.303	172.6	0.366	
181									200	9.17	34.122		26.425	161.2	0.451	
215									250	8.94	34.187		26.512	152.9	0.532	
281									300	8.73	34.222		26.573	147.2	0.610	
380									400	8.00	34.232		26.692	135.8	0.757	
479									500	6.88	34.214		26.838	122.1	0.894	
612									600	5.85	34.256		27.005	106.2	1.015	
764									700	5.11	34.305		27.133	94.0	1.123	
912									800	4.65	34.360		27.230	84.9	1.221	
1121									1000	4.05	34.445		27.362	72.4	1.396	

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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	16.75	33.30		24.291	364.2	0.000	
10									10	16.76	33.30		24.288	364.4	0.036	
20									20	16.77	33.30		24.286	364.6	0.073	
30									30	16.78	33.30		24.284	364.9	0.109	
50									50	16.76	33.30		24.288	364.4	0.183	
75									75	15.70	33.21		24.461	348.0	0.272	
100									100	11.95	33.04		25.100	287.2	0.352	
125									125	10.57	33.22		25.488	250.2	0.420	
150									150	10.12	33.36		25.674	232.5	0.481	
200									200	8.86	33.84		26.254	177.5	0.585	
250									250	8.06	33.97		26.478	156.2	0.671	
300									300	7.27	34.00		26.616	143.1	0.748	
400									400	6.14	34.08		26.831	122.7	0.886	
500									500	5.43	34.14		26.966	109.9	1.008	
600									600	4.95	34.23		27.093	97.8	1.118	
700									700	4.51	34.30		27.198	87.9	1.217	
800									800	4.24	34.37		27.282	79.9	1.309	
1000									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	02	P04	S103	N02	N03	DT	Z	T	S	02	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		27.738	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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	17.06	33.29		24.211	371.8	0.000	
10									10	17.09	33.30		24.211	371.8	0.037	
20									20	17.09	33.30		24.211	371.4	0.074	
30									30	17.09	33.30		24.211	371.8	0.112	
50									50	14.80	33.04		24.527	341.7	0.183	
75									75	12.85	33.26		25.097	287.4	0.262	
100									100	11.45	33.28		25.178	260.7	0.331	
125									125	10.09	33.37		25.687	231.3	0.393	
150									150	9.42	33.65		26.016	200.0	0.448	
200									200	8.50	33.96		26.404	163.7	0.540	
250									250	7.84	33.99		26.526	151.6	0.621	
300									300	7.17	34.02		26.646	140.3	0.696	
400									400	6.21	34.07		26.814	124.3	0.834	
500									500	5.43	34.15		26.974	109.2	0.956	
600									600	4.91	34.23		27.098	97.4	1.066	
700									700	4.53	34.31		27.204	87.4	1.165	
800									800	4.16	34.38		27.297	78.6	1.255	
1000									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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	17.22	33.296	5.67	0.34	1.	0.04	0.0	375.0	0	17.22	33.296	5.67	24.179	375.0	0.000	
9	17.16	33.298	5.66	0.33	1.	0.01	0.0	373.5	10	17.16	33.299	5.66	24.193	373.5	0.037	
29	17.16	33.295	5.65	0.33	1.	0.00	0.0	373.7	20	17.16	33.297	5.65	24.192	373.6	0.075	
54	16.30	33.263	5.95	0.36	2.	0.01	0.0	357.0	30	17.13	33.294	5.66	24.198	373.1	0.112	
69	14.22	33.255	6.06	0.36	3.	0.01	0.0	314.2	50	16.44	33.268	5.97	24.338	359.7	0.186	
84	12.83	33.269	5.99	0.42	3.	0.06	0.2	287.1	75	13.60	33.260	6.04	24.947	301.7	0.269	
99	12.22	33.279	5.90	0.51	4.	0.17	1.2	274.4	100	12.16	33.279	5.78	25.245	273.3	0.341	
130	10.34	33.356	5.10	1.11	12.	0.02	10.0	236.4	125	10.64	33.331	5.26	25.562	243.2	0.406	
154	9.52	33.605	4.37	1.47	20.	0.01	17.8	204.9	150	9.62	33.561	4.49	25.913	209.9	0.464	
176	9.06	33.788	3.72	1.73	21.	0.00	21.4	184.3	200	8.70	33.908	3.33	26.332	170.0	0.569	
212	8.52	33.956	3.16	2.07	35.	0.01	24.9	163.8	250	8.00	34.020	2.69	26.526	151.7	0.643	
276	7.68	34.029	2.41	2.37	46.	0.01	29.6	146.5	300	7.41	34.053	2.11	26.638	141.0	0.718	
373	6.65	34.109	1.34	2.83	63.	0.01	30.2	126.9	400	6.34	34.117	1.18	26.833	122.5	0.855	
468	5.65	34.136	0.90	3.11	78.	0.02	34.1	112.7	500	5.43	34.161	0.76	26.983	108.3	0.976	
602	4.92	34.253	0.42	3.36	97.	0.00	42.6	95.8	600	4.93	34.251	0.43	27.112	96.0	1.085	
758	4.34	34.355	0.39	3.43	111.	0.01	42.6	82.0	700	4.53	34.321	0.40	27.212	86.6	1.183	
908	3.88	34.428	0.58	3.37	112.	0.01	41.7	72.0	800	4.20	34.378	0.43	27.293	78.9	1.273	
1117	3.46	34.498	0.91	3.30	130.	0.00	41.8	62.7	1000	3.70	34.459	0.73	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	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	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	1.53	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	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	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	363.8	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	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	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	O2	P04	SI03	N02	N03	DT	Z	T	S	O2	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

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	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	0.77	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	50	13.11	33.369	5.69	25.129	284.4	0.179	
60	11.04	33.525	4.63	1.09	13.	0.02	12.5	235.6	75	11.46	33.448	5.05	25.506	248.5	0.246	
100	10.71	33.595	4.29	1.21	16.	0.02	14.2	224.9	100	10.87	33.559	4.46	25.697	230.3	0.306	
150	10.00	33.784	3.62	1.57	21.	0.01	17.9	199.3	125	10.26	33.711	3.85	25.923	208.9	0.361	
180	9.56	33.916	3.28	1.76	27.	0.00	21.0	187.5	150	9.72	33.863	3.43	26.132	189.0	0.412	
200	9.33	34.078	2.49	2.05	34.	0.00	25.5	167.0	200	9.13	34.105	2.31	26.418	161.9	0.501	
220	8.69	34.135	2.04	2.36	40.	0.00	28.5	153.1	250	8.34	34.182	1.66	26.601	144.5	0.590	
280	8.00	34.234	1.20	2.66	53.	0.01	33.6	135.7	300	7.92	34.242	1.12	26.713	133.9	0.652	
390	7.31	34.277	0.68	2.77	63.	0.01	34.8	123.0	400	7.26	34.279	0.66	26.836	122.7	0.786	
490	6.66	34.308	0.43	3.09	74.	0.00	35.1	112.2	500	6.64	34.309	0.42	26.945	111.9	0.910	
620	5.92	34.350	0.27	3.19	87.	0.00	36.3	99.9	600	6.07	34.341	0.29	27.044	102.5	1.025	
770	5.08	34.409	0.24	3.31	105.	0.00	41.4	85.9	700	5.51	34.378	0.26	27.144	93.0	1.131	
940	4.35	34.462	0.34	3.39	123.	0.00	42.1	73.9	800	4.96	34.417	0.25	27.239	84.0	1.228	
1150	4.15	34.480	0.53	3.39	132.	0.02	42.2	70.5	1000	4.27	34.467	0.34	27.356	75.0	1.404	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90045

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	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	
50	12.44	33.49							50	12.44	33.49		25.355	262.0	0.168	
75	10.64	33.59							75	10.64	33.59		25.763	224.1	0.229	
100	9.96	33.75							100	9.96	33.75		26.005	201.1	0.283	
125	9.29	33.87							125	9.29	33.87		26.209	181.7	0.331	
150	8.78	33.97							150	8.78	33.97		26.368	166.6	0.376	
200	8.16	34.03							200	8.16	34.03		26.510	153.1	0.457	
250	7.70	34.07							250	7.70	34.07		26.610	143.7	0.533	
300	7.72	34.18							300	7.72	34.18		26.693	135.8	0.605	
400	6.85	34.19							400	6.85	34.19		26.823	123.4	0.741	
500	6.52	34.27							500	6.52	34.27		26.931	113.2	0.865	
600	6.12	34.33							600	6.12	34.33		27.030	103.8	0.982	
700	5.70	34.36							700	5.70	34.36		27.107	96.6	1.090	
800	5.05	34.40							800	5.05	34.40		27.216	86.2	1.191	
1000	4.08	34.49							1000	4.08	34.49		27.395	69.3	1.365	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90053

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	18.27	33.53							0	18.27	33.53		24.103	382.2	0.000	
10	18.04	33.52							10	18.04	33.52		24.151	377.5	0.038	
20	17.32	33.48							20	17.32	33.48		24.294	365.9	0.075	
30	15.85	33.23							30	15.85	33.23		24.443	349.7	0.111	
50	13.18	33.23							50	13.18	33.23		25.009	295.8	0.176	
75	11.84	33.24							75	11.84	33.24		25.275	270.5	0.247	
100	10.33	33.38							100	10.33	33.38		25.654	234.5	0.310	
125	9.96	33.66							125	9.96	33.66		25.935	207.8	0.366	
150	9.53	33.87							150	9.53	33.87		26.170	185.5	0.416	
200	9.04	34.10							200	9.04	34.10		26.428	160.9	0.504	
250	8.85	34.21							250	8.85	34.21		26.545	149.9	0.584	
300	8.36	34.27							300	8.36	34.27		26.668	138.2	0.659	
400	7.29	34.24							400	7.29	34.24		26.801	125.5	0.797	
500	6.59	34.29							500	6.59	34.29		26.937	112.6	0.922	
600	5.71	34.28							600	5.71	34.28		27.042	102.7	1.038	
700	5.27	34.33							700	5.27	34.33		27.135	93.9	1.144	
800	4.98	34.40							800	4.98	34.40		27.224	85.4	1.242	
1000	4.04	34.48							1000	4.04	34.48		27.391	69.6	1.415	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

90060

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	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	
50	11.97	33.07							50	11.97	33.07		25.119	285.3	0.179	
75	10.88	33.27							75	10.88	33.27		25.475	251.7	0.246	
100	9.88	33.38							100	9.88	33.38		25.730	227.2	0.307	
125	9.53	33.69							125	9.53	33.69		26.029	198.8	0.360	
150	9.18	33.92							150	9.18	33.92		26.265	176.4	0.408	
200	8.42	34.03							200	8.42	34.03		26.471	156.9	0.493	
250	7.63	34.06							250	7.63	34.06		26.612	143.5	0.570	
300	7.53	34.13							300	7.53	34.13		26.681	136.9	0.642	
400	6.88	34.27							400	6.88	34.27		26.882	117.9	0.775	
500	6.11	34.26							500	6.11	34.26		26.976	108.9	0.895	
600	5.77	34.34							600	5.77	34.34		27.082	98.9	1.006	
700	5.18	34.35							700	5.18	34.35		27.161	91.4	1.109	
800	4.85	34.41							800	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	1.030				
									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		27.407	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	78.1	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	1	330	01	06
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	19.69	33.44		23.676	422.9	0.000		
10									10	19.48	33.43		23.722	419.4	0.042		
20									20	19.28	33.46		23.796	411.4	0.084		
30									30	19.17	33.48		23.839	407.3	0.125		
50									50	14.98	33.12		24.550	339.5	0.200		
75									75	13.08	33.17		24.982	298.3	0.280		
100									100	11.67	33.22		25.300	268.1	0.351		
125									125	10.59	33.29		25.539	245.4	0.416		
150									150	10.17	33.50		25.775	223.0	0.475		
200									200	8.92	33.87		26.268	176.1	0.577		
250									250	8.17	33.96		26.454	158.5	0.662		
300									300	7.31	34.00		26.610	143.6	0.740		
400									400	5.94	34.04		26.824	123.3	0.878		
500									500	5.39	34.19		27.010	105.7	0.999		
600									600	5.09	34.30		27.132	94.1	1.105		
700									700	4.75	34.39		27.242	83.7	1.201		
800									800	4.44	34.44		27.316	76.7	1.289		
1000									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	1	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	276.9	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	0.61	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									0	20.16	33.47		23.576	432.4	0.000		
10									10	19.95	33.48		23.639	426.4	0.043		
20									20	19.99	33.62		23.735	417.2	0.085		
30									30	20.35	33.94		23.883	403.1	0.126		
50									50	19.95	33.83		23.905	401.0	0.207		
75									75	16.66	33.64		24.525	341.9	0.300		
100									100	15.36	33.85		25.027	294.1	0.380		
125									125	15.49	34.21		25.275	270.5	0.452		
150									150	14.06	34.03		25.446	254.3	0.518		
200									200	10.30	33.69		25.900	211.1	0.637		
250									250	9.02	33.95		26.315	171.7	0.735		
300									300	8.09	33.98		26.481	155.9	0.819		
400									400	6.40	34.03		26.758	129.7	0.967		
500									500	5.45	34.14		26.963	110.1	1.093		
600									600	5.02	34.25		27.101	97.1	1.203		
700									700	4.74	34.36		27.220	85.8	1.301		
800									800	4.47	34.41		27.289	79.2	1.392		
1000									1000	3.81	34.49		27.422	66.6	1.554		

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	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	330 03 07			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	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	124.8	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	SIGT	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						269.7	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	33.823						199.3							
159	10.02	33.860						194.0							
167	9.91	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	SIGT	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

100030

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	SIGT	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	9.97	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

100035

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	39	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	319.6	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	34.315	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	0.35	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	1.275
1092	3.72	34.517	0.65	3.32	132.	0.00	43.2	63.8	1000	4.00	34.500	0.52	27.411	67.8	1.446

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	11.58	33.39							75	11.58	33.39		25.431	255.6	0.264
100	10.35	33.63							100	10.35	33.63		25.840	216.4	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		26.886	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	34.43							700	4.91	34.43		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		
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	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
										37	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		
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
										0	18.90	33.340	5.57	23.801	410.9	0.000
										10	18.58	33.357	5.60	23.894	402.0	0.041
										20	18.37	33.333	5.66	23.927	398.9	0.061
										30	18.24	33.359	5.75	23.979	393.9	0.120
										50	15.86	33.233	6.16	24.444	349.6	0.195
										75	13.16	33.223	6.17	25.007	296.0	0.276
										100	11.48	33.290	5.60	25.380	260.5	0.346
										129	10.30	33.443	4.85	25.665	233.4	0.409
										154	9.67	33.664	4.31	25.942	207.1	0.464
										178	9.04	33.855	3.73	26.373	166.2	0.559
										212	8.64	34.013	2.97	26.539	150.4	0.641
										275	8.73	34.244	1.45	26.652	139.7	0.716
										373	6.95	34.190	1.15	26.852	120.7	0.851
										470	5.96	34.199	0.70	26.991	107.5	0.972
										601	5.28	34.323	0.32	27.127	94.6	1.079
										751	4.62	34.395	0.34	27.222	85.6	1.177
										895	4.19	34.458	0.51	27.297	78.5	1.267
										1097	3.70	34.506	0.72	27.410	67.8	1.430

RV DAVID STARR JORDAN										CALCOFI CRUISE 7210				100090		
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	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		
Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	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		25.523	437.5	0.000
									10	19.74	33.31		23.564	433.5	0.044
									20	19.90	33.58		23.721	417.9	0.086
									30	20.32	33.99		23.929	398.7	0.127
									50	19.03	33.93		24.217	371.2	0.254
									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	0.296
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	1.089
									700	5.34	34.44		27.215	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

CALCOFT 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	SIGT	DT	DD	
0	20.90	33.67							0	20.90	33.67		23.531	436.6	0.000	
10	20.91	33.69							10	20.91	33.69		23.544	435.4	0.044	
20	20.17	33.71							20	20.17	33.71		23.756	415.2	0.086	
30	19.23	33.63							30	19.23	33.63		23.938	397.8	0.127	
50	16.09	33.53							50	16.09	33.53		24.618	333.0	0.200	
75	13.70	33.53							75	13.70	33.53		25.135	283.5	0.278	
100	12.69	33.63							100	12.69	33.63		25.414	257.2	0.346	
125	12.46	33.88							125	12.46	33.88		25.652	234.6	0.408	
150	11.10	34.06							150	11.10	34.06		26.046	197.2	0.463	
200	10.07	34.23							200	10.07	34.23		26.360	167.4	0.556	
250	10.41	34.52							250	10.41	34.52		26.526	151.6	0.638	
300	9.65	34.46							300	9.65	34.46		26.610	143.7	0.715	
400	7.68	34.34							400	7.68	34.34		26.824	123.4	0.855	
500	6.66	34.34							500	6.66	34.34		26.967	109.8	0.979	
600	5.92	34.38							600	5.92	34.38		27.095	97.7	1.090	
700	5.29	34.43							700	5.29	34.43		27.212	86.6	1.190	
800	4.77	34.47							800	4.77	34.47		27.303	77.9	1.281	
1000	4.06	34.52							1000	4.06	34.52		27.420	66.8	1.444	

RV DAVID STARR JORDAN

CALCOFT 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	SIGT	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	13.82	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	26.526	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	9.76	34.463	1.34	26.590	145.4	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	26.927	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	1.50	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

CALCOFT CRUISE 7210

110050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER				TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 16.5 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	SIGT	DT	DD	
0	20.93	33.79							0	20.93	33.79		23.615	428.7	0.000	
10	20.94	33.79							10	20.94	33.79		23.612	429.0	0.043	
20	20.93	33.80							20	20.93	33.80		23.622	428.0	0.086	
30	20.93	33.81							30	20.93	33.81		23.630	427.3	0.129	
50	17.32	33.58							50	17.32	33.58		24.371	356.6	0.207	
75	14.27	33.54							75	14.27	33.54		25.024	294.4	0.289	
100	12.90	33.62							100	12.90	33.62		25.365	261.9	0.359	
125	12.21	33.80							125	12.21	33.80		25.638	235.9	0.422	
150	11.65	34.00							150	11.65	34.00		25.899	211.2	0.479	
200	9.97	34.12							200	9.97	34.12		26.291	173.9	0.577	
250	10.49	34.56							250	10.49	34.56		26.543	150.0	0.660	
300	9.78	34.49							300	9.78	34.49		26.611	143.6	0.737	
400	7.76	34.33							400	7.76	34.33		26.805	125.2	0.878	
500	6.85	34.35							500	6.85	34.35		26.949	111.5	1.003	
600	6.04	34.39							600	6.04	34.39		27.088	98.4	1.116	
700	5.44	34.44							700	5.44	34.44		27.201	87.6	1.217	
800	4.92	34.43							800	4.92	34.43		27.255	82.5	1.311	
1000	4.12	34.51							1000	4.12	34.51		27.406	68.2	1.480	

RV DAVID STARR JORDAN

CALCOFT 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	SIGT	DT	DD	
0	21.31	33.82							0	21.31	33.82		23.534	436.4	0.000	
10	21.31	33.82							10	21.31	33.82		23.534	436.4	0.044	
20	21.32	33.83							20	21.32	33.83		23.539	435.9	0.087	
30	21.32	33.84							30	21.32	33.84		23.547	435.2	0.131	
50	17.39	33.34							50	17.39	33.34		24.171	375.6	0.212	
75	12.76	33.43							75	12.76	33.43		25.240	273.8	0.294	
100	11.17	33.45							100	11.17	33.45		25.560	243.3	0.359	
125	10.80	33.75							125	10.80	33.75		25.859	214.9	0.417	
150	10.30	33.93							150	10.30	33.93		26.067	193.3	0.469	
200	9.73	34.21							200	9.73	34.21		26.401	163.5	0.560	
250	9.88	34.43							250	9.88	34.43		26.547	149.6	0.640	
300	9.00	34.37							300	9.00	34.37		26.646	140.3	0.716	
400	7.66	34.35							400	7.66	34.35		26.835	122.3	0.853	
500	6.78	34.38							500	6.78	34.38		26.962	108.4	0.976	
600	5.81	34.39							600	5.81	34.39		27.117	95.6	1.085	
700	5.26	34.42							700	5.26	34.42		27.207	87.0	1.185	
800	4.92	34.45							800	4.92	34.45		27.271	81.0	1.277	
1000	4.26	34.52							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	34.36		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	21.29	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	434.7	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	279.2	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	277.6	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	22.37	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		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 33.0 N		115 52.5 W		10/20/72		0338 GMT			3832 M	330	15 KT	1	320 04 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	21.44	33.80		23.484	441.2	0.000
10									10	21.44	33.80		23.484	441.2	0.044
20									20	21.43	33.81		23.494	440.2	0.088
30									30	21.06	33.80		23.587	431.4	0.132
50									50	18.30	33.69		24.217	371.2	0.212
75									75	13.88	33.47		25.052	291.7	0.296
100									100	12.30	33.61		25.474	251.5	0.364
125									125	11.58	33.84		25.788	221.7	0.424
150									150	10.77	34.08		26.121	190.1	0.476
200									200	10.37	34.29		26.355	167.9	0.568
250									250	9.97	34.38		26.493	154.7	0.651
300									300	9.74	34.50		26.626	142.2	0.728
400									400	8.29	34.44		26.811	124.5	0.868
500									500	7.14	34.45		26.987	107.9	0.992
600									600	6.13	34.43		27.108	96.5	1.102
700									700	5.43	34.45		27.211	86.7	1.202
800									800	4.77	34.48		27.311	77.2	1.293
1000									1000	4.01	34.54		27.442	64.8	1.453

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 33.0 N		115 52.5 W		10/20/72		0437 GMT			3832 M	330	15 KT	1	320 04 06		
Z	T	S	02	P04	SI03	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
29	20.93	33.767	5.11	0.25	2.	0.00	0.0	430.4	20	21.16	33.760	5.21	23.544	435.4	0.088
54	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	
68	13.97	33.485	5.47	0.76	7.	0.01	4.8	292.4	50	18.23	33.673	5.38	24.220	370.9	0.211
83	12.75	33.499	5.02	0.99	8.	0.01	8.5	268.0	75	13.20	33.483	5.28	25.199	277.7	0.293
98	12.10	33.546	4.62	1.28	16.	0.00	12.3	252.6	100	12.05	33.563	4.52	25.486	250.4	0.360
127	11.47	33.838	3.18	1.69	19.	0.00	16.2	219.9	125	11.50	33.815	3.28	25.782	222.2	0.419
152	10.76	34.046	2.51	1.97	27.	0.00	21.0	192.4	150	10.81	34.031	2.55	26.075	194.4	0.472
177	10.46	34.210	1.95	2.27	32.	0.00	23.5	175.3	200	10.43	34.302	1.61	26.354	168.0	0.565
211	10.41	34.328	1.49	2.47	37.	0.00	27.1	165.8	250	10.06	34.401	1.10	26.494	154.7	0.648
275	9.76	34.424	0.91	2.70	41.	0.00	27.6	148.1	300	9.47	34.433	0.76	26.619	142.8	0.725
375	8.56	34.426	0.45	2.96	55.	0.00	29.5	129.5	400	6.28	34.430	0.37	26.805	125.2	0.866
473	7.48	34.436	0.22	3.18	67.	0.00	34.9	113.5	500	7.17	34.428	0.22	26.966	109.9	0.991
606	6.08	34.404	0.21	3.26	87.	0.00	37.5	97.8	600	6.14	34.405	0.21	27.087	96.4	1.103
755	5.07	34.444	0.29	3.43	103.	0.00	39.3	83.1	700	5.40	34.425	0.25	27.195	88.2	1.205
895	4.32	34.481	0.44	3.44	117.	0.00	41.7	72.4	800	4.80	34.456	0.33	27.289	79.3	1.297
1082	3.73	34.523	0.65	3.34	133.	0.00	46.1	63.4	1000	3.93	34.507	0.56	27.423	66.6	1.461

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120060

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

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 53.0 N		117 10.0 W		10/19/72		1703 GMT			3926 M	320	17 KT	1	320 03 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	21.33	33.76		23.483	441.2	0.000
10									10	21.33	33.78		23.498	439.8	0.044
20									20	21.32	33.83		23.539	435.9	0.088
30									30	21.29	33.86		23.570	433.0	0.131
50									50	18.35	33.68		24.197	373.1	0.212
75									75	14.36	33.52		24.990	297.6	0.297
100									100	12.38	33.53		25.397	258.9	0.367
125									125	11.54	33.73		25.710	229.1	0.428
150									150	10.86	33.94		25.996	201.9	0.483
200									200	9.61	34.17		26.390	164.5	0.577
250									250	9.04	34.26		26.553	149.0	0.657
300									300	8.59	34.28		26.640	140.8	0.732
400									400	7.65	34.32		26.813	124.4	0.871
500									500	6.88	34.39		26.976	108.9	0.995
600									600	5.91	34.41		27.120	95.3	1.105
700									700	5.38	34.44		27.209	86.9	1.204
800									800	4.87	34.47		27.292	79.0	1.296
1000									1000	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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	21.59	33.73							0	21.59	33.73		23.389	450.2	0.000
10	21.58	33.79							10	21.58	33.79		23.438	445.6	0.045
20	21.45	33.81							20	21.45	33.81		23.488	440.8	0.089
30	21.26	33.86							30	21.26	33.86		23.578	432.2	0.133
50	18.12	33.61							50	18.12	33.61		24.201	372.8	0.214
75	15.03	33.49							75	15.03	33.49		24.823	313.5	0.300
100	13.15	33.64							100	13.15	33.64		25.331	265.2	0.373
125	11.91	33.80							125	11.91	33.80		25.695	230.5	0.435
150	11.25	34.05							150	11.25	34.05		26.011	200.5	0.490
200	11.03	34.46							200	11.03	34.46		26.370	166.5	0.584
250	10.72	34.61							250	10.72	34.61		26.542	150.1	0.666
300	9.84	34.52							300	9.84	34.52		26.624	142.3	0.742
400	8.53	34.47							400	8.53	34.47		26.798	125.8	0.883
500	7.44	34.45							500	7.44	34.45		26.945	111.9	1.009
600	6.35	34.42							600	6.35	34.42		27.071	99.9	1.124
700	5.83	34.48							700	5.83	34.48		27.185	89.1	1.227
800	5.26	34.48							800	5.26	34.48		27.255	82.5	1.322
1000	4.50	34.51							1000	4.50	34.51		27.365	72.1	1.497

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

120090

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	S103	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	291.7	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	0.664
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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	25.91	34.72							0	25.91	34.72		22.872	499.7	0.000
10	25.91	34.72							10	25.91	34.72		22.872	499.7	0.050
20	25.91	34.73							20	25.91	34.73		22.879	498.9	0.100
30	25.85	34.74							30	25.85	34.74		22.905	496.4	0.150
50	21.87	34.54							50	21.87	34.54		23.925	399.1	0.240
75	18.10	34.51							75	18.10	34.51		24.892	307.0	0.328
100	15.10	34.16							100	15.10	34.16		25.322	266.0	0.401
125	12.17	33.92							125	12.17	33.92		25.739	226.4	0.463
150	12.84	34.53							150	12.84	34.53		26.080	194.0	0.516
200	11.27	34.49							200	11.27	34.49		26.349	168.4	0.609
250	10.20	34.41							250	10.20	34.41		26.477	156.2	0.693
300	9.66	34.46							300	9.66	34.46		26.608	143.8	0.771
400	8.36	34.43							400	8.36	34.43		26.793	126.3	0.913
500	7.22	34.42							500	7.22	34.42		26.953	111.1	1.039
600	6.28	34.42							600	6.28	34.42		27.080	99.1	1.152
700	5.52	34.45							700	5.52	34.45		27.200	87.7	1.254
800	4.94	34.47							800	4.94	34.47		27.284	79.7	1.347
1000	4.23	34.53							1000	4.23	34.53		27.410	67.9	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	S103	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	25.85	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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	25.40	34.68		22.999	487.5	0.000		
10									10	24.91	34.52		23.028	484.8	0.049		
20									20	22.56	33.88		23.233	465.2	0.096		
30									30	21.13	33.86		23.613	428.8	0.141		
50									50	19.40	33.74		23.979	394.0	0.224		
75									75	15.22	33.61		24.874	308.7	0.312		
100									100	12.96	33.72		25.430	255.7	0.383		
125									125	11.28	33.86		25.858	215.0	0.442		
150									150	10.98	34.14		26.130	189.2	0.494		
200									200	11.18	34.55		26.412	162.4	0.584		
250									250	10.47	34.56		26.547	149.6	0.664		
300									300	9.86	34.54		26.637	141.1	0.740		
400									400	8.35	34.44		26.802	125.4	0.860		
500									500	7.05	34.42		26.976	108.9	1.005		
600									600	6.22	34.43		27.096	97.6	1.116		
700									700	5.49	34.42		27.180	89.6	1.218		
800									800	4.97	34.45		27.265	81.6	1.313		
1000									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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	24.55	34.56		23.166	471.5	0.000		
10									10	24.56	34.57		23.171	471.1	0.047		
20									20	24.47	34.56		23.190	469.2	0.094		
30									30	23.53	34.31		23.279	460.7	0.141		
50									50	16.59	33.88		24.772	318.4	0.219		
75									75	13.75	33.81		25.340	264.3	0.292		
100									100	12.62	33.92		25.652	234.6	0.355		
125									125	12.33	34.20		25.915	209.6	0.411		
150									150	10.69	34.14		26.146	187.7	0.462		
200									200	10.77	34.49		26.440	159.8	0.551		
250									250	10.37	34.54		26.549	149.5	0.631		
300									300	9.86	34.52		26.621	142.6	0.707		
400									400	8.09	34.42		26.826	123.2	0.846		
500									500	7.18	34.42		26.958	110.6	0.971		
600									600	6.09	34.41		27.097	97.5	1.083		
700									700	5.30	34.43		27.210	86.7	1.183		
800									800	4.82	34.45		27.282	79.9	1.275		
1000									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		340 03 05	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0									0	22.01	33.96		23.447	444.7	0.000		
10									10	21.94	33.96		23.461	443.4	0.044		
20									20	21.90	33.96		23.478	441.8	0.089		
30									30	19.85	33.97		24.037	388.4	0.130		
50									50	17.55	33.66		24.377	356.0	0.205		
75									75	13.91	33.40		25.146	282.5	0.285		
100									100	12.86	33.92		25.605	239.1	0.351		
125									125	13.65	34.44		25.847	216.2	0.409		
150									150	12.45	34.56		26.180	184.5	0.460		
200									200	11.47	34.58		26.382	165.3	0.549		
250									250	11.06	34.60		26.473	156.7	0.633		
300									300	10.41	34.58		26.573	147.2	0.712		
400									400	8.88	34.49		26.759	129.6	0.857		
500									500	7.80	34.44		26.885	117.6	0.989		
600									600	6.64	34.41		27.025	104.3	1.109		
700									700	5.79	34.40		27.127	94.6	1.217		
800									800	5.08	34.44		27.244	83.3	1.315		
1000									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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	21.90	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	5.59	0.29	3.	0.01	0.1	364.4	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	4.58	0.91	9.	0.07	7.4	288.1	75	14.50	33.604	5.24	25.023	294.4	0.299		
98	12.98	33.911	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	152.5	300	10.48	34.610	0.43	26.554	146.1	0.728		
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	1.496		

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	0.391
									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	34.475	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		26.947	112.6	1.073	
									600	6.73	34.49		27.075	99.5	1.188	
									700	5.86	34.49		27.189	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	SI03	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	248.8	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

140070

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	SI03	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	SI03	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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	425.5	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	166.2	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	26.599	144.8	0.766
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	02	P04	S103	N02	N03	DT	Z	T	S	02	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		27.289	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	25.194	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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									0	26.15	34.51		22.639	521.9	0.000	
10									10	26.15	34.52		22.647	521.2	0.052	
20									20	26.15	34.52		22.647	521.2	0.104	
30									30	24.90	34.47		22.993	488.1	0.155	
50									50	22.83	34.25		23.435	445.8	0.249	
75									75	18.66	34.11		24.448	349.3	0.349	
100									100	16.07	34.35		25.251	272.7	0.427	
125									125	13.54	34.24		25.715	228.7	0.490	
150									150	13.02	34.58		26.083	193.7	0.544	
200									200	11.36	34.59		26.410	162.6	0.635	
250									250	10.78	34.63		26.547	149.7	0.716	
300									300	10.44	34.66		26.630	141.8	0.792	
400									400	9.06	34.58		26.800	125.6	0.933	
500									500	7.86	34.53		26.946	111.8	1.060	
600									600	6.77	34.49		27.070	100.0	1.175	
700									700	6.05	34.51		27.181	89.5	1.279	
800									800	5.37	34.51		27.265	81.5	1.374	
1000									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	350	11 KT	2	320 03 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	25.54	34.42		22.760	510.3	0.000	
10									10	25.55	34.43		22.765	509.9	0.051	
20									20	25.55	34.43		22.765	509.9	0.102	
30									30	25.55	34.44		22.772	509.2	0.153	
50									50	23.06	34.33		23.430	446.3	0.249	
75									75	16.59	33.77		24.688	326.4	0.346	
100									100	13.71	33.91		25.426	256.2	0.420	
125									125	13.61	34.47		25.878	213.2	0.479	
150									150	12.70	34.56		26.131	189.1	0.530	
200									200	10.79	34.45		26.405	163.1	0.620	
250									250	10.31	34.48		26.513	152.9	0.702	
300									300	9.61	34.47		26.624	142.3	0.779	
400									400	8.54	34.50		26.820	123.8	0.918	
500									500	7.60	34.49		26.953	111.1	1.044	
600									600	6.63	34.46		27.065	100.5	1.156	
700									700	5.98	34.48		27.166	90.9	1.263	
800									800	5.37	34.50		27.257	82.3	1.359	
1000									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									0	23.71	34.35		23.257	462.9	0.000	
10									10	23.65	34.36		23.282	460.5	0.046	
20									20	23.64	34.36		23.285	460.2	0.092	
30									30	23.64	34.37		23.292	459.5	0.138	
50									50	21.84	34.15		23.639	426.4	0.227	
75									75	15.69	33.79		24.908	305.4	0.319	
100									100	12.20	33.77		25.617	238.0	0.388	
125									125	11.75	34.04		25.911	210.0	0.444	
150									150	11.13	34.16		26.119	190.3	0.495	
200									200	10.54	34.50		26.488	155.2	0.584	
250									250	10.85	34.63		26.534	150.9	0.663	
300									300	10.18	34.66		26.675	137.5	0.738	
400									400	8.73	34.54		26.821	123.6	0.875	
500									500	7.66	34.51		26.960	110.4	1.001	
600									600	6.68	34.49		27.082	98.9	1.114	
700									700	5.95	34.49		27.178	89.8	1.218	
800									800	5.32	34.50		27.263	81.7	1.313	
1000									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	0.138	
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	
100	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	NO2	NO3	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	NO2	NO3	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	NO2	NO3	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	460.3	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 O6 08				
Z	T	S	02	P04	SI03	NO2	NO3	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

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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	24.05	34.17		23.021	485.4	0.000	
10									10	23.93	34.18		23.064	481.3	0.048	
20									20	23.40	34.14		23.188	469.4	0.096	
30									30	22.77	34.19		23.407	448.5	0.142	
50									50	21.46	34.15		23.743	416.4	0.229	
75									75	18.26	34.06		24.509	343.4	0.324	
100									100	15.21	33.89		25.091	288.0	0.404	
125									125	15.51	34.24		25.721	228.1	0.469	
150									150	13.06	34.56		26.059	195.9	0.523	
200									200	12.04	34.68		26.352	168.1	0.616	
250									250	11.29	34.67		26.485	155.5	0.700	
300									300	10.53	34.65		26.606	144.0	0.778	
400									400	9.12	34.58		26.790	126.6	0.921	
500									500	7.72	34.51		26.951	111.3	1.048	
600									600	6.77	34.49		27.070	100.0	1.162	
700									700	6.03	34.50		27.175	90.0	1.267	
800									800	5.37	34.50		27.257	82.3	1.362	
1000									1000	4.41	34.55		27.407	68.1	1.533	

RV DAVID STARR JORDAN CALCOFI CRUISE 7210 150110

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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0								4*2.1	0	24.00	34.197	4.90	23.056	482.1	0.000	
10								4.81.8	10	24.00	34.201	4.97	23.059	481.8	0.048	
20								4.67.4	20	23.55	34.203	5.08	23.192	469.1	0.096	
30								4.06.5	30	22.84	34.201	5.15	23.395	449.7	0.142	
50								3.58.9	50	21.55	34.178	4.91	23.739	416.8	0.229	
75								2.99.9	75	18.09	34.080	4.16	24.569	337.7	0.324	
100								2.79.3	100	15.14	33.989	3.51	25.182	279.3	0.401	
125								2.34.7	125	13.83	34.150	2.19	25.586	240.9	0.467	
150								1.98.4	150	13.18	34.489	0.69	25.980	203.5	0.524	
200								1.92.9	200	12.07	34.637	0.26	26.312	172.0	0.620	
250								1.66.7	250	11.21	34.661	0.15	26.493	154.7	0.704	
300								1.48.2	300	10.45	34.640	0.10	26.612	143.5	0.782	
400								1.30.9	400	9.14	34.587	0.07	26.791	126.5	0.924	
500								1.14.7	500	7.79	34.523	0.10	26.952	111.3	1.051	
600								1.00.7	600	6.86	34.493	0.10	27.060	101.0	1.166	
700								86.5	700	6.10	34.496	0.11	27.163	91.2	1.272	
800								75.4	800	5.42	34.506	0.14	27.256	82.4	1.368	
1000								65.3	1000	4.38	34.530	0.31	27.394	69.3	1.540	

RV DAVID STARR JORDAN CALCOFI CRUISE 7210 157010

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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	28.07	34.56		22.063	577.0	0.000	
10									10	28.06	34.57		22.074	576.0	0.058	
20									20	28.07	34.58		22.078	575.6	0.115	
30									30	28.07	34.59		22.078	575.6	0.173	
50									50	26.61	34.43		22.435	541.5	0.285	
75									75	21.21	34.39		23.993	392.6	0.402	
100									100	17.86	34.58		25.004	296.3	0.499	
125									125	15.63	34.70		25.620	237.7	0.557	
150									150	14.72	34.82		25.913	209.9	0.614	
200									200	13.04	34.80		26.249	178.0	0.713	
250									250	12.09	34.76		26.404	163.2	0.801	
300									300	11.42	34.75		26.523	151.9	0.884	
400									400	9.81	34.62		26.708	134.4	1.035	
500									500	8.40	34.58		26.904	115.2	1.168	
600									600	7.12	34.53		27.053	101.6	1.287	
700									700	6.04	34.53		27.198	87.9	1.391	
800									800	5.30	34.53		27.289	79.2	1.484	
1000									1000	4.38	34.57		27.426	66.3	1.649	

RV DAVID STARR JORDAN CALCOFI CRUISE 7210 157020

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	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	27.80	34.52		22.121	571.5	0.000	
10									10	27.78	34.53		22.135	570.1	0.057	
20									20	27.77	34.53		22.138	569.8	0.114	
30									30	27.76	34.54		22.149	568.8	0.171	
50									50	25.09	34.47		22.935	493.6	0.278	
75									75	20.32	34.46		24.286	364.7	0.386	
100									100	16.06	34.40		25.292	268.9	0.466	
125									125	14.52	34.56		25.756	224.8	0.528	
150									150	13.53	34.72		26.087	193.3	0.581	
200									200	12.22	34.72		26.348	168.5	0.657	
250									250	11.33	34.71		26.509	153.3	0.757	
300									300	10.58	34.66		26.605	144.1	0.835	
400									400	9.00	34.57		26.802	125.5	0.977	
500									500	7.74	34.51		26.948	111.6	1.104	
600									600	6.71	34.49		27.078	99.3	1.218	
700									700	5.84	34.51		27.207	87.0	1.320	
800									800	5.19	34.52		27.294	78.8	1.412	
1000									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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	5.88	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	0.639
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	350 04 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	1	350 04 06		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	1.572

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									0	25.10	34.45		22.917	495.3	0.000		
10									10	24.93	34.46		22.976	489.7	0.049		
20									20	24.92	34.46		22.980	489.4	0.098		
30									30	24.90	34.47		22.993	498.1	0.147		
50									50	22.99	34.09		23.269	461.7	0.243		
75									75	17.30	33.87		24.597	335.0	0.343		
100									100	13.09	34.00		25.621	237.6	0.415		
125									125	12.84	34.38		25.964	205.0	0.471		
150									150	11.76	34.34		26.142	188.1	0.521		
200									200	11.80	34.74		26.444	159.4	0.610		
250									250	11.03	34.70		26.556	148.8	0.690		
300									300	10.48	34.67		26.631	141.7	0.765		
400									400	9.25	34.60		26.785	127.1	0.907		
500									500	7.94	34.54		26.942	112.1	1.035		
600									600	6.99	34.52		27.063	100.7	1.151		
700									700	6.16	34.52		27.175	90.1	1.256		
800									800	5.59	34.52		27.246	83.3	1.352		
1000									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									0	27.90	34.53		22.096	573.9	0.000		
10									10	27.90	34.53		22.096	573.9	0.057		
20									20	27.91	34.54		22.100	573.5	0.115		
30									30	27.88	34.55		22.117	571.8	0.172		
50									50	26.75	34.35		22.330	551.5	0.285		
75									75	21.97	34.50		23.867	404.6	0.405		
100									100	19.97	34.58		24.469	347.2	0.500		
125									125	17.98	34.65		25.028	294.0	0.581		
150									150	16.24	34.71		25.488	250.2	0.650		
200									200	13.45	34.82		26.181	184.4	0.761		
250									250	12.57	34.83		26.365	166.9	0.852		
300									300	11.87	34.79		26.470	157.0	0.936		
400									400	10.23	34.67		26.675	137.5	1.092		
500									500	8.71	34.59		26.864	119.6	1.229		
600									600	7.20	34.54		27.050	101.9	1.350		
700									700	6.32	34.52		27.154	92.1	1.457		
800									800	5.57	34.53		27.257	82.3	1.554		
1000									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									0	27.83	34.55		22.133	570.3	0.000		
10									10	27.85	34.55		22.127	570.9	0.057		
20									20	27.85	34.56		22.135	570.2	0.114		
30									30	27.84	34.56		22.138	569.9	0.171		
50									50	26.42	34.56		22.592	526.4	0.281		
75									75	22.37	34.74		23.937	398.0	0.397		
100									100	19.01	34.69		24.801	315.6	0.487		
125									125	16.57	34.66		25.373	261.1	0.560		
150									150	14.34	34.62		25.841	216.7	0.621		
200									200	13.16	34.84		26.255	177.3	0.722		
250									250	12.14	34.81		26.434	160.4	0.809		
300									300	11.38	34.74		26.523	151.9	0.891		
400									400	9.96	34.65		26.705	134.6	1.042		
500									500	8.49	34.58		26.890	117.1	1.177		
600									600	7.36	34.53		27.019	104.9	1.297		
700									700	6.48	34.52		27.133	94.1	1.407		
800									800	5.67	34.50		27.221	85.7	1.507		
1000									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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	1.440	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	169.1	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	DOMINANT WAVES			
23 43.0 N		107 12.0 W		11/16/72		0145 GMT		93 M	320	14 KT					
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	27.72	34.500	4.68	0.40	4.	0.00	0.0	570.4	0	27.72	34.500	4.68	22.132	570.4	0.000
10	27.68	34.498	4.64	0.35	3.	0.01	0.0	569.3	10	27.68	34.498	4.64	22.143	569.3	0.057
20	27.67	34.500	4.60	0.62	1.	0.00	0.0	568.9	20	27.67	34.500	4.60	22.148	568.9	0.114
30	27.63	34.504	4.65	0.52	4.	0.00	0.0	567.4	30	27.63	34.504	4.65	22.164	567.4	0.171
49	24.62	34.578	4.24	0.67	3.	0.33	1.5	472.2	50	24.47	34.580	4.21	23.205	467.8	0.275
74	21.08	34.513	3.13	1.23	8.	0.05	11.3	380.3							

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		409.2
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 090 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		449.3
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

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CALCOFI CRUISE 7210

10 METER DATA

					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					
				5KT WEATHER 1					
		DOMINANT WAVES	280	3 4					
60.055	11/10/72	2214GMT	37 47.0N	123 15.0W	10	14.84	33.243		327.6
		BOTTOM	127M	WIND 210					
				11KT WEATHER 1					
		DOMINANT WAVES	090	10 8					
60.065	11/11/72	0520GMT	37 27.0N	123 58.0W	10	13.62	32.948		325.0
		BOTTOM	3645M	WIND 290					
				19KT WEATHER					
		DOMINANT WAVES							
60.070	11/11/72	0835GMT	37 14.0N	124 18.0W	10	13.78	32.955		327.5
		BOTTOM	3959M	WIND 320					
				23KT WEATHER 0					
		DOMINANT WAVES							
60.090	11/11/72	1815GMT	36 39.0N	125 45.5W	10	14.04	33.025		327.5
		BOTTOM	4398M	WIND 320					
				20KT WEATHER 1					
		DOMINANT WAVES	330	20 5					
60.100	11/11/72	2323GMT	36 17.0N	126 29.0W	10	14.26	32.887		342.0
		BOTTOM	4498M	WIND 310					
				20KT WEATHER 1					
		DOMINANT WAVES	320	25 8					
70.051	11/14/72	1435GMT	36 11.0N	121 44.0W	10	13.49	33.299		297.4
		BOTTOM	545M	WIND 120					
				3KT WEATHER 2					
		DOMINANT WAVES	250	8 5					
70.053	11/14/72	1305GMT	36 06.5N	121 54.0W	10	13.46	33.501		296.0
		BOTTOM	1064M	WIND 120					
				3KT WEATHER 6					
		DOMINANT WAVES							
70.065	11/14/72	0416GMT	35 43.0N	122 44.5W	10	14.99	33.434		316.8
		BOTTOM	2973M	WIND 210					
				15KT WEATHER 2					
		DOMINANT WAVES							
70.070	11/14/72	0115GMT	35 33.0N	123 06.0W	10	15.61	33.440		327.3
		BOTTOM	3824M	WIND 210					
				11KT WEATHER 2					
		DOMINANT WAVES	220	15 7					
70.080	11/13/72	2034GMT	35 12.5N	123 46.5W	10	14.22	33.018		331.6
		BOTTOM	4978M	WIND 230					
				11KT WEATHER 2					
		DOMINANT WAVES	310	F 7					
80.051	11/15/72	0516GMT	34 26.0N	120 32.5W	10	14.79	33.459		310.8
		BOTTOM	214M	WIND 180					
				5KT WEATHER					
		DOMINANT WAVES							
80.052	11/15/72	0605GMT	34 26.5N	120 36.5W	10	14.90	33.462		312.9
		BOTTOM	307M	WIND 190					
				4KT WEATHER 1					
		DOMINANT WAVES							
80.055	11/15/72	0740GMT	34 19.0N	120 47.5W	10	14.12	33.462		297.1
		BOTTOM	741M	WIND 230					
				5KT WEATHER 1					
		DOMINANT WAVES							

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

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		OKT	WEATHER				
			DOMINANT WAVES							
100.060	10/13/72	0016GMT	30 40.5N	118 47.5W		10	20.54	33.789		415.8
	BOTTOM	2885M	WIND		OKT	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		OKT	WEATHER 1				
			DOMINANT WAVES	210	2 6					
100.090	10/12/72	0820GMT	29 40.5N	120 47.0W		10	19.18	33.324		413.6
	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	6KT	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		0					
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		423.6
	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		447.6
	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					

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					Z	T	S	02	DT
120.060	10/19/72	2325GMT	27 13.0N	116 30.0W	10	21.38	33.725		445.1
	BOTTOM	3737M	WIND 320 16KT	WEATHER 1					
	DOMINANT WAVES	320 4 5							
120.070	10/19/72	1743GMT	26 53.0N	117 10.0W	10	21.33	33.788		439.2
	BOTTOM	3926M	WIND 320 17KT	WEATHER 1					
	DOMINANT WAVES	320 3 6							
130.028	10/21/72	1528GMT	26 33.5N	113 21.0W	10	25.54	34.761		485.8
	BOTTOM	56M	WIND 010 13KT	WEATHER 1					
	DOMINANT WAVES	010 2 2							
130.030	10/21/72	1544GMT	26 29.0N	113 29.0W	10	25.53	34.785		483.8
	BOTTOM	78M	WIND 010 11KT	WEATHER 1					
	DOMINANT WAVES	010 2 3							
130.035	10/21/72	1758GMT	26 19.0N	113 48.0W	10	25.38	34.699		485.6
	BOTTOM	705M	WIND 360 13KT	WEATHER					
	DOMINANT WAVES	360 4 4							
130.050	10/22/72	0304GMT	25 49.0N	114 45.0W	10	25.39	34.715		484.7
	BOTTOM	3737M	WIND 350 14KT	WEATHER 0					
	DOMINANT WAVES	340 4 5							
130.060	10/22/72	1505GMT	25 29.0N	115 25.0W	10	24.53	34.577		469.7
	BOTTOM	3926M	WIND 350 10KT	WEATHER 1					
	DOMINANT WAVES	350 3 5							
130.080	10/23/72	0213GMT	24 49.0N	116 40.5W	10	22.21	34.505		410.6
	BOTTOM	4116M	WIND 020 14KT	WEATHER 1					
	DOMINANT WAVES	010 3 5							
130.090	10/23/72	0700GMT	24 29.0N	117 17.5W	10	22.00	33.995		441.9
	BOTTOM	4121M	WIND 320 13KT	WEATHER 1					
	DOMINANT WAVES	010 4 6							
140.030	11/10/72	0927GMT	24 45.5N	112 24.0W	10	26.01	34.620		509.8
	BOTTOM	112M	WIND 330 8KT	WEATHER 1					
	DOMINANT WAVES								
140.035	11/10/72	0657GMT	24 35.5N	112 42.5W	10	25.30	34.705		482.8
	BOTTOM	1114M	WIND 340 10KT	WEATHER 1					
	DOMINANT WAVES								
140.045	11/10/72	0100GMT	24 13.0N	113 20.0W	10	25.01	34.681		476.1
	BOTTOM	3451M	WIND 360 11KT	WEATHER					
	DOMINANT WAVES	360 3 4							
140.050	11/09/72	2228GMT	24 05.5N	113 39.5W	10	25.19	34.688		480.8
	BOTTOM	3169M	WIND 360 13KT	WEATHER					
	DOMINANT WAVES	360 4 6							
140.056	11/09/72	1901GMT	23 55.0N	114 03.0W	10	25.57	34.755		487.1
	BOTTOM	3737M	WIND 360 14KT	WEATHER 1					
	DOMINANT WAVES	360 5 6							
140.070	11/09/72	1046GMT	23 26.5N	114 55.5W	10	25.56	34.723		489.1
	BOTTOM	3926M	WIND 010 17KT	WEATHER					
	DOMINANT WAVES								
140.080	11/09/72	0523GMT	23 05.0N	115 33.0W	10	23.15	34.315		449.9
	BOTTOM	4121M	WIND 020 16KT	WEATHER					
	DOMINANT WAVES								
140.090	11/08/72	2354GMT	22 45.0N	116 10.5W	10	22.82	34.414		433.7
	BOTTOM	3267M	WIND 020 16KT	WEATHER 2					
	DOMINANT WAVES	350 5 6							
140.120	11/08/72	0646GMT	21 45.0N	118 00.0W	10	22.76	34.497		426.1
	BOTTOM	3737M	WIND 020 11KT	WEATHER					
	DOMINANT WAVES								
150.019	11/10/72	2125GMT	23 23.5N	110 39.0W	10	26.76	34.512		540.1
	BOTTOM	223M	WIND 290 7KT	WEATHER 2					
	DOMINANT WAVES	290 3 6							
150.030	11/11/72	0404GMT	23 02.0N	111 20.0W	10	25.81	34.531		510.3
	BOTTOM	2790M	WIND 290 7KT	WEATHER					
	DOMINANT WAVES								
150.035	11/11/72	0631GMT	22 52.0N	111 38.0W	10	26.05	34.507		512.1
	BOTTOM	3357M	WIND 310 10KT	WEATHER					
	DOMINANT WAVES								
150.040	11/11/72	0931GMT	22 42.0N	111 57.0W	10	26.19	34.535		521.3
	BOTTOM	3545M	WIND 330 12KT	WEATHER					
	DOMINANT WAVES								
150.045	11/11/72	1207GMT	22 31.5N	112 16.0W	10	25.69	34.510		508.2
	BOTTOM	3357M	WIND 320 11KT	WEATHER					
	DOMINANT WAVES								
150.050	11/11/72	1451GMT	22 22.0N	112 35.0W	10	25.54	34.436		509.2
	BOTTOM	3489M	WIND 350 11KT	WEATHER 2					
	DOMINANT WAVES	320 3 6							

						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						

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LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
46	1.0 N	130	59.0 W	10/01/72		1600 GMT			2771 M	270	03 KT	2	270 06 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	15.46	32.62		24.062	386.0	0.000
10									10	15.46	32.61		24.054	386.8	0.039
20									20	15.46	32.61		24.054	386.8	0.077
30									30	15.41	32.62		24.073	385.0	0.116
50									50	10.85	32.70		25.036	293.3	0.184
75									75	8.55	32.76		25.458	253.0	0.253
100									100	7.84	32.80		25.594	240.1	0.315
125									125	6.95	32.84		25.749	225.4	0.373
150									150	6.78	33.02		25.913	209.8	0.428
200									200	6.88	33.75		26.473	156.6	0.521
250									250	6.32	33.85		26.626	142.1	0.597
300									300	5.54	33.88		26.747	130.6	0.667
400									400	4.64	33.92		26.883	117.8	0.795
500									500	4.16	34.03		27.021	104.7	0.910
600									600	3.94	34.16		27.147	92.7	1.014
700									700	3.83	34.25		27.230	84.9	1.108
800									800	3.75	34.30		27.278	80.4	1.197
1000									1000	3.33	34.42		27.414	67.4	1.359

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LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
46	1.0 N	130	59.0 W	10/01/72		1717 GMT			2771 M	270	03 KT	2	270 06 06		
Z	T	S	02	P04	S103	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

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LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
46	0.0 N	133	0.0 W	10/10/72		2049 GMT			3760 M	360	20 KT	1	360 5 8		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	14.68	32.76		24.338	359.7	0.000
10									10	14.68	32.76		24.338	359.7	0.036
20									20	14.68	32.76		24.338	359.7	0.072
30									30	14.69	32.76		24.336	359.9	0.108
50									50	14.67	32.75		24.332	360.3	0.180
75									75	7.43	32.82		25.668	233.1	0.255
100									100	6.83	32.84		25.765	223.9	0.312
125									125	6.38	32.89		25.865	214.6	0.367
150									150	6.33	33.27		26.168	185.6	0.418
200									200	6.51	33.88		26.625	142.2	0.501
250									250	6.04	33.94		26.733	132.0	0.571
300									300	5.44	33.95		26.814	124.3	0.637
400									400	4.52	34.00		26.959	110.5	0.758
500									500	3.99	34.10		27.094	97.7	0.866
600									600	3.79	34.18		27.178	89.8	0.965
700									700	3.64	34.25		27.249	83.1	1.056
800									800	3.47	34.30		27.305	77.8	1.143
1000									1000	3.15	34.38		27.399	68.8	1.302

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LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
46	0.0 N	135	0.0 W	10/11/72		0640 0734 GMT			3750 M	010	11 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	15.17	32.73		24.210	372.0	0.000
10									10	15.17	32.73		24.210	372.0	0.037
20									20	15.17	32.73		24.210	372.0	0.074
30									30	15.17	32.73		24.210	372.0	0.112
50									50	15.17	32.73		24.210	372.0	0.186
75									75	8.40	32.90		25.590	240.5	0.263
100									100	7.38	32.86		25.706	229.5	0.322
125									125	6.73	32.96		25.873	213.7	0.378
150									150	6.92	33.43		26.217	181.0	0.428
200									200	6.47	33.82		26.583	146.2	0.511
250									250	6.06	33.91		26.707	134.5	0.583
300									300	5.45	33.91		26.782	127.4	0.650
400									400	4.60	33.97		26.927	113.6	0.774
500									500	4.04	34.04		27.042	102.7	0.886
600									600	3.74	34.13		27.143	93.1	0.989
700									700	3.62	34.21		27.219	85.9	1.083
800									800	3.43	34.27		27.285	79.6	1.172
1000									1000	3.13	34.36		27.385	70.2	1.335

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LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
46	0.0	N	137	0.0	W	10/11/72			1740	GMT	4246	M	060	9	KT	2	060	6	5
Z	T	S	02	P04	S103	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	14.70	32.67							10	14.70	32.67		24.265	366.7	0.037				
20	14.71	32.68							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				
50	14.68	32.67							50	14.68	32.67		24.269	366.3	0.183				
75	8.13	32.80							75	8.13	32.80		25.552	244.1	0.260				
100	7.30	32.80							100	7.30	32.80		25.670	232.9	0.320				
125	6.78	32.97							125	6.78	32.97		25.874	213.6	0.376				
150	6.63	33.49							150	6.63	33.49		26.303	172.8	0.425				
200	6.73	33.85							200	6.73	33.85		26.572	147.2	0.506				
250	6.18	33.88							250	6.18	33.88		26.668	138.2	0.579				
300	5.45	33.88							300	5.45	33.88		26.758	129.6	0.648				
400	4.57	33.94							400	4.57	33.94		26.906	115.6	0.774				
500	4.08	34.01							500	4.08	34.01		27.014	105.4	0.889				
600	3.76	34.10							600	3.76	34.10		27.118	95.5	0.994				
700	3.56	34.18							700	3.56	34.18		27.201	87.6	1.090				
800	3.36	34.25							800	3.36	34.25		27.276	80.5	1.180				
1000	3.05	34.36							1000	3.05	34.36		27.392	69.5	1.343				

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46137

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
46	0.0	N	137	0.0	W	10/11/72			1800	2150	GMT	4246	M	060	09	KT	2	060	06	05
Z	T	S	02	P04	S103	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					
30	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					
60	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					
80	7.62	32.80	6.89	1.09	13.	0.64	7.9	237.1	50	14.50	32.70	6.96	24.330	360.5	0.183					
95	7.32	32.82	6.72	1.12	13.	0.09	10.6	231.7	75	7.98	32.81	7.02	25.581	241.4	0.259					
111	6.69	32.78	6.75	1.24	18.	0.03	7.3U	226.6	100	7.12	32.80	6.73	25.696	230.4	0.318					
141	6.50	33.14	6.18	1.45	23.	0.02	15.4	197.4	125	6.60	32.91	6.55	25.854	215.5	0.374					
166	6.80	33.67	5.52	1.54	30.	0.02	19.9	161.6	150	6.60	33.34	5.94	26.189	183.6	0.424					
195	6.82	33.81	4.99	1.68	35.	0.02	21.5	151.4	200	6.77	33.82	4.87	26.544	149.9	0.509					
230	6.37	33.86	4.16	2.00	45.	0.01	25.8	142.0	250	6.08	33.87	3.82	26.671	137.9	0.582					
301	5.39	33.87	3.14	2.38	61.	0.01	32.8	129.7	300	5.40	33.87	3.15	26.756	129.8	0.651					
411	4.54	33.92	1.81	2.88	82.	0.01	38.1	116.8	400	4.60	33.91	1.92	26.882	117.9	0.779					
523	4.01	34.02	1.22	3.11	100.	0.01	40.3	103.9	500	4.10	34.00	1.30	27.002	106.5	0.895					
663	3.65	34.14	0.77	3.26	118.	0.01	43.9	91.5	600	3.79	34.09	0.94	27.105	96.7	1.001					
823	3.34	34.25	0.47	3.24	136.	0.01	43.9	80.3	700	3.57	34.17	0.69	27.190	88.7	1.099					
992	3.07	34.35	0.28	3.35	146.	0.01	44.8	70.4	800	3.38	34.24	0.50	27.262	81.8	1.190					
1080A	2.92	34.39	0.31	3.37	153.	0.00	44.8	66.1	1000	3.06	34.35	0.28	27.387	70.0	1.354					
1192	2.74	34.42	0.34	3.39	159.	0.01	44.8	62.3	1200	2.73	34.42	0.34	27.471	62.1	1.500					
1276A	2.62	34.44	0.36	3.35	163.	0.00	44.8	59.8	1500	2.36	34.50	0.60	27.567	52.9	1.695					
1475A	2.39	34.50	0.57	3.30	170.	0.00	45.2	53.4	2000	1.93	34.59	1.43	27.666	43.5	1.977					
1673A	2.19	34.53	0.86	3.24	179.	0.00	44.3	49.6	2250	1.85	34.59	1.58	27.680	42.3	2.105					
1872A	2.01	34.57	1.26	3.19	182.	0.00	42.5	45.2	2500	1.72	34.62	2.01	27.713	39.1	2.229					
2069A	1.90	34.59	1.50	3.13	183.	0.00	42.5	42.9	2750	1.63	34.63	2.38	27.729	37.6	2.349					
2367A	1.81	34.60	1.70	3.09	183.	0.00	41.0	41.5	3000	1.57	34.64	2.69	27.741	36.5	2.465					
2467A	1.74	34.62	1.96	3.06	181.	0.00	39.7	39.5	3250	1.53	34.66	2.84	27.754	35.2	2.580					
2666A	1.65	34.63	2.22	2.96	179.	0.00	41.7	38.1	3500	1.51	34.67	3.03	27.766	34.1	2.694					
2864A	1.60	34.66	2.58	2.87	181.	0.00	39.2	35.8	3750	1.51	34.67	3.15	27.766	34.1	2.807					
3165A	1.54	34.65	2.77	2.86	178.	0.00	38.5	35.8	4000	1.52	34.67	3.18	27.766	34.1	2.922					
3463A	1.51	34.67	3.01	2.81	175.	0.00	9.0	34.1												
3664A	1.51	34.67	3.12	2.76	177.	0.00	36.3	34.1												
3866A	1.51	34.69	3.18	2.73	178.	0.00	36.3	34.1												
4066A	1.52	34.67	3.18	2.72	181.	0.00	38.4	34.1												

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LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
46	2.0	N	139	0.0	W	10/12/72			0956	GMT	4316	M	060	04	KT	2			
Z	T	S	02	P04	S103	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				

A) CAST II

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

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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

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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					
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

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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	6.39	24.075	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	0.646	
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	42.8U	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	34.0	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							0	16.72	33.41		24.382	355.5	0.000	
10	16.72	33.50							10	16.72	33.50		24.451	349.0	0.035	
20	16.72	33.56							20	16.72	33.56		24.497	344.6	0.070	
30	16.85	33.60							30	16.85	33.60		24.497	344.6	0.104	
50	10.99	33.75							50	10.99	33.75		25.826	218.1	0.161	
75	10.26	33.81							75	10.26	33.81		26.000	201.5	0.214	
100	10.08	33.87							100	10.08	33.87		26.078	194.2	0.264	
125	10.03	33.98							125	10.03	33.98		26.172	185.3	0.312	
150	9.93	34.10							150	9.93	34.10		26.282	174.8	0.357	
200	9.23	34.15							200	9.23	34.15		26.437	160.1	0.443	
250	8.41	34.08							250	8.41	34.08		26.511	153.0	0.523	
300	7.77	34.05							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							0	16.73	33.50		24.448	349.2	0.000	
10	16.75	33.55							10	16.75	33.55		24.482	346.0	0.035	
20	16.75	33.55							20	16.75	33.55		24.482	346.0	0.069	
30	16.88	33.63							30	16.88	33.63		24.513	343.0	0.104	
50	11.34	33.83							50	11.34	33.83		25.824	218.3	0.160	
75	10.35	33.83							75	10.35	33.83		26.000	201.5	0.213	
100	10.03	33.85							100	10.03	33.85		26.071	194.9	0.263	
125	10.18	33.96							125	10.18	33.96		26.131	189.2	0.312	
150	9.90	34.08							150	9.90	34.08		26.272	175.8	0.358	
200	9.33	34.16							200	9.33	34.16		26.428	160.9	0.444	
250	8.45	34.06							250	8.45	34.06		26.490	155.1	0.525	
300	7.78	34.03							300	7.78	34.03		26.566	147.8	0.603	

A) CAST 1.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BUOY56)

Z	LATITUDE			LONGITUDE			MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	SI03	NO2	NO3	DT	Z	T	S	02	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	0.172		
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	0.238		
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	0.288		
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	0.337		
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	0.383		
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	0.470		
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	0.551		
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	0.629		
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	0.776		
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	0.910		
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	1.030		
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	1.137		
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	1.236		
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	1.411		
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	1.564		
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	1.765		
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	2.052		
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	2.180		
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	2.302		
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	2.420		
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	2.535		
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	2.649		
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	2.763		
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	2.875		
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	2.988		
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	3.102		
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	33.4	3.219		
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	33.5	3.338		
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	33.8	3.460		
									5250	1.62	34.68	3.51	27.766	34.1	3.586		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7210

(BUOY56)

Z	LATITUDE			LONGITUDE			MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	SI03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
0	16.79	33.55							0	16.79	33.55		24.473	346.9	0.000		
10	16.81	33.56							10	16.81	33.56		24.476	346.6	0.035		
20	16.83	33.57							20	16.83	33.57		24.479	346.3	0.069		
30	16.87	33.60							30	16.87	33.60		24.492	345.0	0.104		
50	16.32	33.65							50	16.32	33.65		24.658	329.2	0.172		
75	10.81	33.88							75	10.81	33.88		25.959	205.5	0.239		
100	10.06	33.86							100	10.06	33.86		26.073	194.6	0.289		
125	10.19	34.04							125	10.19	34.04		26.191	183.4	0.337		
150	9.92	34.07							150	9.92	34.07		26.260	176.8	0.383		
200	9.30	34.16							200	9.30	34.16		26.433	160.4	0.469		
250	8.39	34.10							250	8.39	34.10		26.530	151.2	0.549		
300	7.71	34.04							300	7.71	34.04		26.585	146.1	0.626		
400	6.42	33.98							400	6.42	33.98		26.716	133.6	0.771		
500	5.31	33.98							500	5.31	33.98		26.854	120.5	0.904		
600	4.57	34.05							600	4.57	34.05		26.993	107.3	1.023		
700	4.03	34.12							700	4.03	34.12		27.106	96.6	1.131		
800	3.70	34.21							800	3.70	34.21		27.211	86.7	1.229		
1000	3.22	34.34							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	SI6T	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	1.303
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	SI6T	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	SI6T	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 1.

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	D40	08 KT	2	020 07 12		
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	17.84	33.29		24.024	389.6	0.000
10									10	17.84	33.29		24.024	389.6	0.039
20									20	17.88	33.31		24.030	389.1	0.078
30									30	17.79	33.34		24.075	384.8	0.117
50									50	17.50	33.34		24.145	378.2	0.193
75									75	14.35	33.32		24.838	312.1	0.280
100									100	13.20	33.31		25.066	290.3	0.356
125									125	11.55	33.30		25.375	261.0	0.425
150									150	10.55	33.33		25.577	241.8	0.489
200									200	9.13	33.78		26.164	186.0	0.598
250									250	8.38	33.93		26.398	163.7	0.687
300									300	7.58	33.95		26.533	151.0	0.768
400									400	5.88	33.93		26.745	130.8	0.914
500									500	5.31	34.04		26.901	116.1	1.043
600									600	4.65	34.10		27.024	104.4	1.159
700									700	4.24	34.19		27.140	93.4	1.264
800									800	4.04	34.28		27.232	84.7	1.360
1000									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	D50	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	D50	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	382.8	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		
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		
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		
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	D.5 N	145	D.0 W	10/21/72		0220	GMT	5261	M	350		08	KT	1		02	SIGT	DT	DD
Z	T	S		02	P04	SI03	NO2	NO3	DT	Z	T	S		02	SIGT	DT	DD		
0										0	20.48	34.01			23.902	401.3	0.000		
10										10	20.48	34.01			23.902	401.3	0.040		
20										20	20.48	34.01			23.902	401.3	0.080		
30										30	20.50	34.01			23.896	401.8	0.121		
50										50	19.40	33.82			24.039	388.2	0.200		
75										75	14.04	33.56			25.088	288.3	0.285		
100										100	12.23	33.64			25.511	248.1	0.352		
125										125	11.03	33.72			25.795	221.0	0.412		
150										150	10.23	33.85			26.037	198.1	0.465		
200										200	9.58	34.03			26.286	174.4	0.560		
250										250	8.83	34.03			26.407	162.9	0.646		
300										300	8.25	34.00			26.473	156.7	0.729		
400										400	6.70	33.96			26.663	138.7	0.882		
500										500	5.30	33.96			26.839	121.9	1.018		
600										600	4.41	34.03			26.995	107.2	1.138		
700										700	3.98	34.13			27.119	95.4	1.245		
800										800	3.75	34.22			27.214	86.4	1.342		
1000										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	D.5 N	145	D.0 W	10/21/72		0220	GMT	5261	M	350		08	KT	1		02	SIGT	DT	DD
Z	T	S		02	P04	SI03	NO2	NO3	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		02	SIGT	DT	DD
Z	T	S		02	P04	SI03	NO2	NO3	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			LONGITUDE			MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 2.0 N			131 2.5 W			11/06/72	0045 GMT			4709 M	240	14 KT	5	270 05 09		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	17.11	33.10		24.054	386.8	0.000	
10									10	17.11	33.10		24.054	386.8	0.039	
20									20	17.05	33.09		24.060	386.2	0.077	
30									30	17.20	33.23		24.132	379.4	0.116	
50									50	17.82	33.61		24.273	365.9	0.191	
75									75	15.46	33.55		24.775	318.1	0.276	
100									100	14.18	33.56		25.059	291.1	0.353	
125									125	13.28	33.54		25.228	275.0	0.425	
150									150	11.87	33.45		25.432	255.6	0.492	
200									200	9.58	33.67		26.006	201.0	0.608	
250									250	8.73	33.94		26.353	168.1	0.702	
300									300	7.80	33.93		26.485	155.5	0.786	
400									400	6.10	33.95		26.733	132.0	0.934	
500									500	5.51	34.06		26.917	114.6	1.063	
600									600	4.69	34.14		27.051	101.8	1.177	
700									700	4.32	34.24		27.171	90.5	1.280	
800									800	4.18	34.33		27.257	82.3	1.373	
1000									1000	3.68	34.43		27.388	69.9	1.541	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

35133

LATITUDE			LONGITUDE			MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 59.0 N			133 0.0 W			11/05/72	1058 1501 GMT			5156 M	340	02 KT	0			
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	0.441	
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	
4754A	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

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35133

LATITUDE			LONGITUDE			MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 59.0 N			133 0.0 W			11/05/72	1404 GMT			5156 M	340	2 KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	18.47	33.78							0	18.47	33.78		24.244	368.7	0.000	
10	18.47	33.78							10	18.47	33.78		24.244	368.7	0.037	
20	18.47	33.78							20	18.47	33.78		24.244	368.7	0.074	
30	18.47	33.78							30	18.47	33.78		24.244	368.7	0.111	
50	18.47	33.78							50	18.47	33.78		24.244	368.7	0.185	
75	16.41	33.80							75	16.41	33.80		24.752	320.3	0.271	
100	15.46	33.88							100	15.46	33.88		25.028	294.0	0.349	
125	14.95	34.02							125	14.95	34.02		25.248	273.1	0.420	
150	13.94	33.97							150	13.94	33.97		25.424	256.3	0.488	
200	10.94	33.77							200	10.94	33.77		25.850	215.8	0.608	
250	9.49	33.90							250	9.49	33.90		26.200	182.6	0.710	
300	8.38	33.96							300	8.38	33.96		26.422	161.5	0.798	
400	6.68	33.96							400	6.68	33.96		26.666	138.4	0.954	
500	5.51	34.02							500	5.51	34.02		26.861	119.8	1.089	
600	4.86	34.12							600	4.86	34.12		27.016	105.1	1.207	
700	4.33	34.18							700	4.33	34.18		27.122	95.1	1.314	
800	4.33	34.30							800	4.33	34.30		27.217	86.1	1.412	
1000	3.77	34.40							1000	3.77	34.40		27.355	73.0	1.587	

A3 CAST II.

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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	93.7	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	85.3	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	32.0	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

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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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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

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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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	S103	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
20	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
30	20.26	33.873	5.37	0.21	2.	0.00	0.0	351.6	30	20.26	33.873	5.37	23.856	405.7	0.124
55	17.77	33.790	5.89	0.23	2.	0.00	0.0	330.9	50	18.32	33.804	5.78	24.299	363.4	0.201
70	16.91	33.806	5.95	0.21	2.	0.00	0.0	317.9	75	16.71	33.814	5.93	24.692	326.0	0.288
84	16.39	33.826	5.88	0.19	2.	0.00	0.0	303.3	100	15.73	33.841	5.83	24.937	285.9	0.442
99	15.75	33.836	5.84	0.24	3.	0.00	0.0	283.4	125	15.21	33.920	5.63	25.113	265.6	0.512
129	15.12	33.927	5.59	0.27	3.	0.05	0.0	262.0	150	13.98	33.853	5.43	25.326	221.1	0.635
154	13.71	33.830	6.170	0.40	4.	0.00	6.2	240.1	200	10.86	33.681	4.99	25.795	182.0	0.738
179	11.91	33.670	5.19	0.68	8.	0.00	11.8	209.7	250	9.36	33.882	4.28	26.206	156.6	0.826
213	10.36	33.722	4.84	1.02	12.	0.00	22.3	166.3	300	8.34	34.018	3.49	26.474	132.4	0.976
276	8.87	33.992	3.85	1.58	28.	0.00	30.1	137.6	400	6.60	34.026	2.22	26.728	115.0	1.105
374	6.95	34.017	2.50	2.06	53.	0.00	36.3	120.2	500	5.58	34.095	1.27	26.912	98.4	1.218
472	5.83	34.064	1.53	2.72	72.	0.00	39.4	98.0	600	4.90	34.214	0.54	27.087	88.3	1.318
603	4.88	34.218	0.52	3.11	95.	0.00	43.3	84.2	700	4.57	34.303	0.37	27.194	80.1	1.410
753	4.44	34.340	0.29	3.27	108.	0.00	44.1	72.2	800	4.24	34.367	0.33	27.280	66.1	1.572
899	3.82	34.417	0.40	3.25	129.	0.00	45.9	59.9	1000	3.59	34.469	0.57	27.428		
1103	3.35	34.523	0.75	3.25	140.	0.00									

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	1	330 04 10			
Z	T	S	02	P04	S103	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	S103	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	66.2	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	1	350 03 07			
Z	T	S	02	P04	S103	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

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				4697 M	040	06 KT	1	360 03 06		
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

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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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	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
11	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	34.233	5.73	0.08	2.	0.00	0.0	357.7	50	19.98	34.295	5.62	24.250	368.1	0.196
70	17.61	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	0.06	3.	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	0.08	2.	0.02	0.0	270.5	150	15.93	34.430	5.36	25.344	264.0	0.496
152	15.88	34.422	5.35	0.15	3.	0.01	0.8	263.4	200	12.96	34.091	5.24	25.712	228.9	0.622
177	14.68	34.282	5.30	0.25	4.	0.00	2.0	248.4	250	10.67	33.998	4.98	26.075	194.5	0.730
211	12.17	34.016	4.85	0.49	6.	0.00	5.5	219.3	300	9.45	34.029	4.79	26.306	172.5	0.825
273	10.14	34.034	4.65	0.97	15.	0.00	13.9	183.0	400	7.44	34.003	4.03	26.595	145.1	0.990
368	8.03	34.007	4.65	1.63	36.	0.01	22.8	153.0	500	6.02	34.039	2.02	26.813	124.4	1.131
463	6.45	34.013	2.62	2.32	56.	0.00	31.0	131.6	600	5.17	34.136	0.90	26.993	107.3	1.253
590	5.24	34.125	0.97	2.91	85.	0.00	40.1	108.9	700	4.61	34.248	0.41	27.146	92.8	1.361
735	4.46	34.286	0.35	3.24	111.	0.00	42.8	88.5	800	4.22	34.342	0.36	27.262	81.8	1.455
877	3.99	34.396	0.38	3.26	123.	0.00	44.1	75.5	1000	3.71	34.453	0.60	27.402	68.5	1.621
1080	3.53	34.490	0.74	3.20	132.	0.00	44.8	64.0							

RV DAVID STARR JORDAN

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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	1	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	34.71		24.090	383.3	0.115
75										17.63	34.48		24.309	362.5	0.190
100										17.27	34.44		24.953	301.1	0.274
125										17.10	34.56		25.131	284.1	0.348
150										16.73	34.70		25.279	270.1	0.418
200										13.40	34.71		25.374	261.1	0.485
250										10.33	34.09		25.628	237.0	0.612
300										9.16	33.90		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

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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	080 03 06		
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

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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	GMT	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

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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	GMT	5661 M	090	06 KT	8					
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

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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	GMT	5661 M	090	06 KT	8					
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	298.0	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	GMT	4121 M			1					
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

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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	SIGT	DT	DD
0	21.35	34.31							0	21.35	34.31		23.895	402.0	0.000
10	21.32	34.31							10	21.32	34.31		23.903	401.2	0.040
20	21.25	34.31							20	21.25	34.31		23.922	399.4	0.080
30	21.21	34.31							30	21.21	34.31		23.933	398.3	0.120
50	20.67	34.28							50	20.67	34.28		24.056	386.6	0.199
75	17.16	33.92							75	17.16	33.92		24.669	328.2	0.289
100	16.46	33.94							100	16.46	33.94		24.848	311.1	0.369
125	15.85	34.03							125	15.85	34.03		25.056	291.3	0.446
150	14.87	33.91							150	14.87	33.91		25.181	279.5	0.518
200	11.33	33.67							200	11.33	33.67		25.702	229.9	0.648
250	9.34	33.89							250	9.34	33.89		26.216	181.0	0.753
300	8.35	34.00							300	8.35	34.00		26.458	158.1	0.840
400	6.81	34.11							400	6.81	34.11		26.766	128.9	0.989
500	5.53	34.15							500	5.53	34.15		26.962	110.3	1.115
600	5.07	34.25							600	5.07	34.25		27.095	97.6	1.225
700	4.77	34.37							700	4.77	34.37		27.224	85.4	1.324
800	4.45	34.43							800	4.45	34.43		27.307	77.5	1.413
1000	3.86	34.51							1000	3.86	34.51		27.433	65.6	1.573

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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							0	21.17	34.09		23.777	413.2	0.000
10	21.15	34.10							10	21.15	34.10		23.790	412.0	0.041
20	21.08	34.11							20	21.08	34.11		23.816	409.4	0.082
30	21.06	34.12							30	21.06	34.12		23.830	408.2	0.123
50	19.09	34.04							50	19.09	34.04		24.286	364.7	0.201
75	17.12	33.98							75	17.12	33.98		24.724	322.9	0.287
100	16.26	33.99							100	16.26	33.99		24.932	303.1	0.366
125	15.81	34.04							125	15.81	34.04		25.073	289.8	0.441
150	14.61	33.93							150	14.61	33.93		25.252	272.7	0.513
200	10.93	33.63							200	10.93	33.63		25.743	226.0	0.639
250	9.22	33.92							250	9.22	33.92		26.259	177.0	0.742
300	8.19	33.98							300	8.19	33.98		26.466	157.3	0.828
400	6.88	34.10							400	6.88	34.10		26.748	130.5	0.978
500	6.08	34.23							500	6.08	34.23		26.956	110.8	1.105
600	5.25	34.28							600	5.25	34.28		27.098	97.4	1.216
700	4.87	34.38							700	4.87	34.38		27.221	85.7	1.315
800	4.43	34.43							800	4.43	34.43		27.310	77.3	1.404
1000	3.86	34.51							1000	3.86	34.51		27.433	65.6	1.564

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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

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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	S103	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											26.905	115.9	1.106
600	4.88	34.21											27.095	98.6	1.219
700	4.49	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

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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	S103	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	33200	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	11.88	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							

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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	S103	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

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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	S103	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	12.90	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

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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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	22.48	35.10		24.178	375.0	0.000	
10									10	22.48	35.12		24.193	373.5	0.037	
20									20	22.49	35.13		24.198	373.0	0.075	
30									30	22.49	35.13		24.198	373.0	0.112	
50									50	22.49	35.13		24.198	373.0	0.187	
75									75	19.07	34.60		24.796	316.1	0.274	
100									100	18.81	34.93		25.035	293.4	0.351	
125									125	18.41	34.96		25.158	281.6	0.424	
150									150	17.65	34.92		25.315	266.7	0.493	
200									200	15.50	34.58		25.557	243.7	0.624	
250									250	11.23	34.02		25.992	202.4	0.738	
300									300	9.60	34.03		26.283	174.7	0.835	
400									400	7.53	34.02		26.595	145.1	1.001	
500									500	6.19	34.07		26.816	124.1	1.143	
600									600	5.18	34.20		27.043	102.6	1.263	
700									700	4.78	34.31		27.176	90.0	1.366	
800									800	4.57	34.39		27.267	81.4	1.460	
1000									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		4889 M	070	15 KT	1	070 05 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	22.93	35.22		24.140	378.5	0.000	
10									10	22.93	35.23		24.148	377.8	0.038	
20									20	22.93	35.24		24.155	377.1	0.076	
30									30	22.92	35.24		24.152	376.8	0.113	
50									50	22.92	35.25		24.166	376.1	0.189	
75									75	19.58	34.82		24.754	320.1	0.277	
100									100	18.51	34.76		24.981	298.5	0.355	
125									125	18.22	34.85		25.121	285.1	0.429	
150									150	17.74	34.86		25.247	273.1	0.500	
200									200	15.51	34.51		25.501	249.0	0.633	
250									250	11.90	34.06		25.899	211.2	0.751	
300									300	10.15	34.06		26.214	181.3	0.852	
400									400	7.76	34.03		26.569	147.5	1.023	
500									500	6.05	34.07		26.834	122.4	1.164	
600									600	5.23	34.15		26.997	106.9	1.286	
700									700	4.81	34.30		27.164	91.1	1.392	
800									800	4.35	34.38		27.278	80.3	1.485	
1000									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	S103	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	090 06 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0									0	23.14	35.51		24.299	363.4	0.000	
10									10	23.14	35.53		24.314	362.0	0.036	
20									20	23.14	35.54		24.322	361.3	0.073	
30									30	23.15	35.55		24.326	360.8	0.109	
50									50	22.78	35.51		24.403	353.5	0.180	
75									75	19.91	35.28		25.017	295.0	0.262	
100									100	19.17	35.24		25.179	279.6	0.335	
125									125	18.62	35.18		25.273	270.7	0.404	
150									150	17.95	35.07		25.356	262.8	0.472	
200									200	15.27	34.63		25.646	235.2	0.600	
250									250	12.19	34.27		26.006	201.0	0.712	
300									300	10.97	34.22		26.194	183.2	0.811	
400									400	8.67	34.06		26.455	158.3	0.989	
500									500	6.46	34.01		26.734	131.9	1.141	
600									600	5.40	34.12		26.953	111.1	1.269	
700									700	4.74	34.25		27.133	94.1	1.379	
800									800	4.32	34.35		27.258	82.2	1.475	
1000									1000	3.78	34.49		27.425	66.4	1.640	

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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	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	23.69	35.20		23.904	401.1	0.000
10									10	23.67	35.22		23.925	399.1	0.040
20									20	23.69	35.23		23.927	398.9	0.080
30									30	23.69	35.24		23.935	398.2	0.120
50									50	23.47	35.24		23.999	392.0	0.199
75									75	21.21	35.34		24.714	323.9	0.299
100									100	19.51	35.22		25.076	289.4	0.367
125									125	18.92	35.18		25.197	277.9	0.439
150									150	18.49	35.13		25.268	271.2	0.509
200									200	16.54	34.78		25.472	251.7	0.642
250									250	13.05	34.29		25.853	215.6	0.762
300									300	11.17	34.13		26.088	193.2	0.868
400									400	8.37	34.01		26.463	157.6	1.050
500									500	6.53	33.99		26.709	134.3	1.203
600									600	5.30	34.10		26.950	111.4	1.333
700									700	4.72	34.21		27.103	96.9	1.444
800									800	4.29	34.33		27.245	83.4	1.542
1000									1000	3.80	34.46		27.400	68.9	1.710

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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	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	22.36	34.15		23.487	440.8	0.000
10									10	22.29	34.15		23.513	438.4	0.044
20									20	22.23	34.16		23.537	436.1	0.088
30									30	22.22	34.16		23.540	435.8	0.131
50									50	19.55	33.79		23.978	394.0	0.215
75									75	16.49	33.59		24.573	337.3	0.307
100									100	14.89	33.54		24.892	306.9	0.388
125									125	13.56	33.62		25.233	274.5	0.461
150									150	12.05	33.65		25.553	244.1	0.527
200									200	10.16	33.89		26.079	194.0	0.638
250									250	8.90	33.98		26.357	167.7	0.731
300									300	8.26	34.17		26.604	144.2	0.811
400									400	7.33	34.25		26.804	125.3	0.952
500									500	6.41	34.34		27.000	106.6	1.075
600									600	5.75	34.39		27.124	94.9	1.183
700									700	5.35	34.46		27.228	85.0	1.281
800									800	4.91	34.47		27.288	79.4	1.372
1000									1000	4.18	34.52		27.408	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	02	P04	SI03	N02	N03	DT	Z	T	S	02	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	18.56	33.871	5.77	0.24	2.	0.01	0.1	364.2	30	22.22	34.170	5.28	23.548	435.1	0.131
54	17.36	33.680	6.03	0.27	2.	0.00	0.0	350.2	50	19.23	33.924	5.67	24.140	376.6	0.212
84	16.09	33.603	6.02	0.32	1.	0.00	0.0	327.7	75	16.83	33.638	6.03	24.530	341.4	0.303
98	15.27	33.596	5.91	0.29	2.	0.01	0.0	310.7	100	15.14	33.601	5.87	24.884	307.7	0.384
128	13.27	33.681	5.19	0.53	5.	0.05	3.5	264.4	125	13.48	33.672	5.27	25.290	269.1	0.457
152	11.73	33.684	4.88	0.86	8.	0.01	8.8	235.8	150	11.85	33.683	4.91	25.616	238.0	0.521
178	10.73	33.829	3.93	1.31	17.	0.01	15.2	207.9	200	10.05	33.919	3.63	26.121	190.1	0.630
211	9.76	33.956	3.54	1.63	24.	0.00	20.6	182.7	250	9.05	34.078	2.90	26.409	162.7	0.721
276	8.73	34.143	2.44	2.18	38.	0.00	27.3	153.1	300	8.49	34.199	1.99	26.592	145.3	0.800
373	7.83	34.309	0.87	2.84	57.	0.00	30.9	127.7	400	7.47	34.315	0.79	26.874	122.4	0.940
470	6.59	34.316	0.56	3.13	73.	0.00	37.4	110.7	500	6.35	34.334	0.52	27.004	106.3	1.061
601	5.78	34.406	0.45	3.28	86.	0.00	38.5	94.1	600	5.78	34.405	0.45	27.132	94.2	1.169
750	5.21	34.478	0.29	3.38	99.	0.00	41.5	82.1	700	5.39	34.459	0.33	27.223	85.5	1.267
895	4.55	34.498	0.47	3.38	110.	0.00	43.2	73.5	800	4.98	34.487	0.34	27.293	78.9	1.358
1096	3.91	34.537	0.65	3.38	125.	0.00	44.4	64.1	1000	4.22	34.518	0.56	27.402	68.6	1.524

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

RV DAVID STARR JORDAN

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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	SIGT	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

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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

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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

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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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	291.7	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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	1.435
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	02	P04	S103	N02	N03	DT	Z	T	S	02	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

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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	02	P04	S103	N02	N03	DT	Z	T	S	02	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	176.5	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	5.36	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	4.59	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	27.326	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	19.89	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 08		
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	316.8	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	NO2	NO3	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	18.9A	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	375.8	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	196.0	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	97.8	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							

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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	NO2	NO3	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

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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	NO2	NO3	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

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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	NO2	NO3	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

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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									0	24.13	34.70		23.397	449.5	0.000
10									10	24.13	34.70		23.397	449.5	0.045
20									20	24.07	34.74		23.445	444.9	0.090
30									30	23.85	34.83		23.578	432.2	0.134
50									50	23.43	34.84		23.708	419.7	0.219
75									75	19.67	34.34		24.365	357.1	0.317
100									100	18.06	34.24		24.696	325.6	0.403
125									125	16.67	34.22		25.023	294.5	0.481
150									150	14.56	34.02		25.332	265.1	0.552
200									200	11.76	34.21		26.041	197.7	0.670
250									250	9.64	34.12		26.346	168.7	0.764
300									300	8.72	34.25		26.596	145.0	0.845
400									400	7.32	34.31		26.852	120.7	0.984
500									500	7.12	34.47		27.006	106.1	1.105
600									600	6.26	34.48		27.130	94.3	1.213
700									700	5.66	34.50		27.222	85.6	1.312
800									800	5.16	34.52		27.298	78.4	1.403
1000									1000	4.36	34.55		27.412	67.6	1.569

RV DAVID STARR JORDAN

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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							

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20133

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							0	23.66	34.72		23.551	434.8	0.000
10	23.65	34.73							10	23.65	34.73		23.561	433.8	0.043
20	23.65	34.74							20	23.65	34.74		23.569	433.1	0.087
30	23.66	34.75							30	23.66	34.75		23.573	432.7	0.130
50	23.67	34.76							50	23.67	34.76		23.578	432.2	0.217
75	23.55	34.73							75	23.55	34.73		23.590	431.0	0.326
100	19.20	34.48							100	19.20	34.48		24.593	335.4	0.422
125	17.78	34.55							125	17.78	34.55		25.001	296.6	0.502
150	15.93	34.34							150	15.93	34.34		25.276	270.4	0.574
200	11.46	33.96							200	11.46	33.96		25.903	210.8	0.697
250	9.88	34.25							250	9.88	34.25		26.407	162.9	0.792
300	9.03	34.30							300	9.03	34.30		26.586	145.9	0.872
400	7.29	34.30							400	7.29	34.30		26.849	121.0	1.012
500	6.60	34.43							500	6.60	34.43		27.046	102.3	1.131
600	6.05	34.46							600	6.05	34.46		27.141	93.3	1.236
700	5.45	34.49							700	5.45	34.49		27.240	83.9	1.333
800	4.91	34.51							800	4.91	34.51		27.319	76.4	1.422
1000	4.12	34.54							1000	4.12	34.54		27.430	65.9	1.583

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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							0	24.10	34.84		23.511	438.5	0.000
10	24.11	34.85							10	24.11	34.85		23.516	438.1	0.044
20	24.12	34.86							20	24.12	34.86		23.521	437.7	0.088
30	24.12	34.87							30	24.12	34.87		23.528	436.9	0.132
50	24.12	34.88							50	24.12	34.88		23.536	436.2	0.219
75	22.37	34.76							75	22.37	34.76		23.952	396.5	0.324
100	20.05	34.61							100	20.05	34.61		24.471	347.0	0.418
125	19.27	34.75							125	19.27	34.75		24.780	317.6	0.502
150	18.31	34.75							150	18.31	34.75		25.023	294.5	0.579
200	14.71	34.22							200	14.71	34.22		25.453	253.5	0.719
250	11.29	34.08							250	11.29	34.08		26.029	198.8	0.835
300	9.57	34.11							300	9.57	34.11		26.350	168.3	0.930
400	7.64	34.22							400	7.64	34.22		26.736	131.7	1.086
500	6.54	34.32							500	6.54	34.32		26.967	109.8	1.214
600	5.84	34.40							600	5.84	34.40		27.121	95.2	1.324
700	5.34	34.46							700	5.34	34.46		27.229	84.9	1.422
800	4.84	34.49							800	4.84	34.49		27.311	77.2	1.512
1000	4.08	34.56							1000	4.08	34.56		27.450	64.0	1.671

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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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	23.90	34.83							0	23.90	34.83		23.563	433.6	0.000
10	23.90	34.84							10	23.90	34.84		23.571	432.9	0.043
20	23.90	34.85							20	23.90	34.85		23.578	432.2	0.087
30	23.89	34.86							30	23.89	34.86		23.589	431.2	0.130
50	23.62	34.88							50	23.62	34.88		23.685	422.2	0.216
75	22.94	34.81							75	22.94	34.81		23.827	408.4	0.320
100	19.50	34.73							100	19.50	34.73		24.706	324.7	0.412
125	18.30	34.71							125	18.30	34.71		24.995	297.1	0.491
150	17.02	34.63							150	17.02	34.63		25.245	273.4	0.564
200	13.30	34.15							200	13.30	34.15		25.694	230.6	0.697
250	11.03	34.13							250	11.03	34.13		26.113	190.8	0.800
300	9.17	34.09							300	9.17	34.09		26.400	163.6	0.892
400	7.27	34.14							400	7.27	34.14		26.726	132.7	1.046
500	6.49	34.29							500	6.49	34.29		26.950	111.4	1.175
600	5.97	34.41							600	5.97	34.41		27.112	96.0	1.286
700	5.44	34.45							700	5.44	34.45		27.209	86.8	1.386
800	4.96	34.48							800	4.96	34.48		27.290	79.2	1.477
1000	4.20	34.53							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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	23.92	34.87							0	23.92	34.87		23.588	431.3	0.000
10	23.92	34.88							10	23.92	34.88		23.595	430.6	0.043
20	23.93	34.89							20	23.93	34.89		23.600	430.1	0.086
30	23.93	34.90							30	23.93	34.90		23.607	429.4	0.129
50	23.93	34.90							50	23.93	34.90		23.607	429.4	0.215
75	23.93	34.91							75	23.93	34.91		23.615	428.7	0.323
100	20.65	34.87							100	20.65	34.87		24.509	343.4	0.421
125	19.45	34.77							125	19.45	34.77		24.749	320.5	0.505
150	18.57	34.81							150	18.57	34.81		25.004	296.3	0.583
200	15.37	34.41							200	15.37	34.41		25.455	253.4	0.723
250	11.68	34.04							250	11.68	34.04		25.924	208.8	0.842
300	9.91	34.16							300	9.91	34.16		26.332	170.0	0.939
400	7.26	34.13							400	7.26	34.13		26.719	133.3	1.097
500	6.37	34.28							500	6.37	34.28		26.958	110.6	1.226
600	5.86	34.39							600	5.86	34.39		27.110	96.2	1.337
700	5.38	34.46							700	5.38	34.46		27.225	85.4	1.436
800	4.95	34.49							800	4.95	34.49		27.299	78.4	1.526
1000	4.18	34.53							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	S103	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
20	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
30	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
50	23.93	34.883	4.95	0.19	1.	0.00	0.1		50	23.94	34.882	5.03	23.592	430.9	0.216
75	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
100	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
125	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	0.949
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	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	24.37	34.91							0	24.37	34.91		23.484	441.2	0.000
10	24.37	34.92							10	24.37	34.92		23.492	440.4	0.044
20	24.36	34.93							20	24.36	34.93		23.502	439.4	0.088
30	24.36	34.94							30	24.36	34.94		23.510	438.7	0.132
50	24.37	34.95							50	24.37	34.95		23.514	438.3	0.220
75	21.34	34.80							75	21.34	34.80		24.269	366.3	0.321
100	20.91	35.24							100	20.91	35.24		24.720	323.3	0.408
125	19.98	35.22							125	19.98	35.22		24.953	301.1	0.487
150	18.68	35.01							150	18.68	35.01		25.129	284.4	0.562
200	15.06	34.40							200	15.06	34.40		25.516	247.6	0.698
250	11.93	34.11							250	11.93	34.11		25.922	209.0	0.815
300	9.98	34.07							300	9.98	34.07		26.250	177.8	0.914
400	7.42	34.07							400	7.42	34.07		26.650	139.9	1.080
500	6.02	34.22							500	6.02	34.22		26.956	110.8	1.211
600	5.56	34.35							600	5.56	34.35		27.116	95.7	1.322
700	5.30	34.46							700	5.30	34.46		27.234	84.5	1.420
800	4.85	34.48							800	4.85	34.48		27.307	78.0	1.510
1000	4.09	34.54							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	10	14.72	32.694		365.4
		BOTTOM	3760M	WIND 360 20KT					
				WEATHER 1					
		DOMINANT WAVES	360 5 8						
46.135	10/11/72	0626GMT	46 00.0N	135 00.0W	10	15.17	32.724		372.4
		BOTTOM	3730M	WIND 010 11KT					
				WEATHER					
		DOMINANT WAVES							
46.139	10/12/72	1112GMT	46 02.0N	139 00.0W	10	15.66	32.757		380.2
		BOTTOM	4316M	WIND 060 4KT					
				WEATHER 2					
		DOMINANT WAVES							
46.141	10/12/72	1940GMT	45 59.0N	141 03.0W	10	15.23	32.627		389.7
		BOTTOM	4428M	WIND 150 3KT					
				WEATHER 0					
		DOMINANT WAVES	010 2 5						
46.143	10/13/72	0458GMT	46 00.0N	143 00.0W	10	15.32	32.621		383.0
		BOTTOM	4569M	WIND 110 11KT					
				WEATHER					
		DOMINANT WAVES							
42.153	10/18/72	1153GMT	41 43.5N	153 05.0W	10	19.40	33.224		407.4
		BOTTOM	5242M	WIND 030 10KT					
				WEATHER 6					
		DOMINANT WAVES							
39.133	10/24/72	0331GMT	38 59.0N	133 01.0W	10	17.00	32.985		392.7
		BOTTOM	4612M	WIND 050 15KT					
				WEATHER 1					
		DOMINANT WAVES							
39.135	21/02/77	3170GMT	39 00.0N	135 00.0W	10	17.84	33.316		387.7
		BOTTOM	4864M	WIND 040 8KT					
				WEATHER 2					
		DOMINANT WAVES	020 7 12						
39.139	10/22/72	1355GMT	38 59.0N	138 57.5W	10	19.07	33.814		390.6
		BOTTOM	5261M	WIND 050 10KT					
				WEATHER 1					
		DOMINANT WAVES							
39.141	10/22/72	0327GMT	38 58.0N	140 59.0W	10	19.79	33.790		400.0
		BOTTOM	5374M	WIND 010 7KT					
				WEATHER 1					
		DOMINANT WAVES	350 5 6						
39.143	10/21/72	1705GMT	39 00.0N	143 00.0W	10	19.53	33.750		396.4
		BOTTOM	5499M	WIND 350 5KT					
				WEATHER 1					
		DOMINANT WAVES	340 4 8						
35.129	11/12/72	1755GMT	34 58.0N	128 59.0W	10	15.48	32.997		358.9
		BOTTOM	4737M	WIND 280 6KT					
				WEATHER 1					
		DOMINANT WAVES	300 12 10						
35.131	11/06/72	0110GMT	35 02.0N	131 02.5W	10	17.06	33.109		385.0
		BOTTOM	4708M	WIND 240 14KT					
				WEATHER 5					
		DOMINANT WAVES	270 5 9						
35.135	11/04/72	2340GMT	35 01.0N	135 00.0W	10	19.08	33.952		370.8
		BOTTOM	5156M	WIND 320 4KT					
				WEATHER					
		DOMINANT WAVES	310 15 11						
35.137	11/04/72	1020GMT	35 01.0N	137 00.0W	10	18.28	33.659		373.0
		BOTTOM	4697M	WIND 350 9KT					
				WEATHER 0					
		DOMINANT WAVES							

RV DAVID STARR JORDAN

CALCOFI CRUISE 7210

10 METER DATA

					Z	T	S	02	01
31.127	09/29/72	0526GMT	31 00.0N	127 00.0W	10	20.04	33.556		423.1
		BOTTOM	4658M	WIND					
				0KT					
		DOMINANT WAVES							
31.131	09/30/72	0903GMT	31 00.0N	131 00.0W	10	20.92	34.089		406.8
		BOTTOM	4697M	WIND 340 7KT					
				WEATHER					
		DOMINANT WAVES							
31.133	09/30/72	1925GMT	31 00.0N	133 00.0W	10	21.20	34.326		396.9
		BOTTOM	4697M	WIND 020 5KT					
				WEATHER 1					
		DOMINANT WAVES	350 3 7						
31.135	10/01/72	0648GMT	31 00.0N	135 00.0W	10	21.26	34.408		392.6
		BOTTOM	4697M	WIND 010 7KT					
				WEATHER					
		DOMINANT WAVES							
31.139	10/02/72	1427GMT	31 00.0N	139 00.0W	10	21.74	34.695		384.4
		BOTTOM	4697M	WIND 040 9KT					
				WEATHER					
		DOMINANT WAVES	090 3 6						
31.141	10/03/72	0330GMT	31 05.0N	141 14.0W	10	22.44	34.730		400.6
		BOTTOM	3398M	WIND 090 12KT					
				WEATHER 1					
		DOMINANT WAVES	080 3 6						
31.143	10/03/72	1332GMT	31 02.0N	143 02.0W	10	22.62	35.272		366.3
		BOTTOM	4507M	WIND 110 6KT					
				WEATHER					
		DOMINANT WAVES							
27.127	10/10/72	1125GMT	27 00.0N	127 00.0W	10	21.34	34.300		402.4
		BOTTOM	4507M	WIND					
				0KT					
		DOMINANT WAVES	320 1 7						

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					

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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

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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
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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
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Japan

Director
Japan Oceanographic Data Center
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Villa Obregon, D.F.
Mexico

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New Zealand

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University of Southern California
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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
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NMFS/NOAA
C/O Fleet Numerical Weather Central
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Operations Research Branch
Department of Fish and Game
1416 Ninth Street
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Department of Biology
San Diego State University
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Tiburon, CA 94920

CONNECTICUT

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Department of Geology
and Geophysics
Yale University
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National Weather Service
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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

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New York, NY 10453

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Lamont-Doherty Geological
Observatory of Columbia Univ.
Palsades, NY 10964

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Institute of Oceanography
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Division of Fisheries
U. S. National Museum
Washington, DC 20560

Director
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NOAA
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