

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

# data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 7201  
3 - 26 January 1972

and

CalCOFI Cruise 7202  
1 - 27 February 1972

SIO Reference 80-21  
15 October 1980

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CalCOFI Cruise 7201  
3 - 26 January 1972

and

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1 - 27 February 1972

Sponsored by  
Marine Research Committee

SIO Reference 80-21  
15 October 1980

Approved for distribution:

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

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## INTRODUCTION

The data in this report was collected during Cruises 7201\* and 7202 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 RV Alejandro de Humboldt of the Instituto Nacional de Pesca of the Mexican Federal Government occupied the same southern CalCOFI lines as the Jordan during February but no data was included in this report. The report preceding this one in the series was SIO Ref. 79-30 which included data for 1970 and 1971.

This data was collected and processed mainly by personnel of the Data Collection and Processing Group (DCPG, MLR)\*\*, Scripps Institution of Oceanography. The cruises were also used as a technical training program for personnel of the Sea Grant and the GEOSECS departments.

## STANDARD PROCEDURES

### Hydrographic Cast Data

The hydrographic casts consisted of 12 to 18 Nansen bottles with the maximum sampling depth at most stations 1200 meters, bottom depth permitting. Temperature, salinity, oxygen and nutrients were determined for all depths on most stations. The Alaska was equipped with only 2 Nansen bottles for calibration of the STD.

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 nutrients 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 which were recorded to hundredths of a Celsius degree. 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 depth determination.

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\* The first two digits represent the year and the second digits the month of the cruise. The CalCOFI station designations have been in use for over twenty years. The first part specifies a line normal to the general trend of the coast line (CalCOFI line). The second part specifies a station position relative to the coast on the CalCOFI line.

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

The salinity samples from the 10 meter bottles on the Alaska were determined by an Australian Auto Lab inductive salinometer after the completion of the cruise. Salinity samples for both cruises on the Jordan were determined mainly by a Bissett Berman (now Grundy Environmental Systems, Inc.) inductive salinometer although a few stations were determined using an Auto Lab salinometer.

Problems were encountered with salinity determination on both cruises of the Agassiz, caused partly by incorrect handling of the samples and partly by difficulty in operation of the salinometers used. The salinity values on several stations were tabulated only to hundredths because of high drift occurring on the inductive salinometers and poor standardization on the University of Washington conductive bridge.

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 done 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). The specific procedures used for silicate, nitrate and nitrite are outlined in Marine Technician handbooks in preparation.

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

The observed data has 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

A Bissett Berman Model 9006 STD was used for lowerings by both the Jordan and the Agassiz on both cruises. The Agassiz also used a Bissett

Berman Model 9040 CSTD for a few lowerings during repair of the other model. A self-contained Bissett Berman Model 9060 STD was used on the Alaska which was not equipped to use the larger system.

The STD temperature data agreed closely with the calibration samples for the cruises of the Jordan and Agassiz. Corrections to the salinity data for both ships were necessary with the largest correction being  $-0.14\text{‰}$  at 1000 meters on the 7201 Agassiz cruise. Data from the self-contained STD used on the Alaska was digitized from the graphic recordings. The styli failed to raise at the end of the recordings so that double traces were made causing difficulty in digitizing and decreasing greatly the accuracy of the data. No correction was applied to the temperature digitized to the nearest  $0.05^{\circ}\text{C}$  but an off-set correction of  $-0.25\text{‰}$  was applied to the salinity data digitized to the nearest  $0.01\text{‰}$ .

#### 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 times 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 was obtained by bottle casts and by the STD, and appear in two forms:

- 1) Data from the sample bottles appears 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 thermosteric anomaly (DT) are included with the observed levels and computed values of sigma-t (SIGT), thermosteric anomaly (DT) and geopotential anomaly (DD) are included with the interpolated levels.

- 2) Data at standard levels of depth from the STD lowerings appears on the right of a page with computed values of sigma-t, thermosteric 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 90.65 appears in the tabulated data as 90065. 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	$\delta_T$ = 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.

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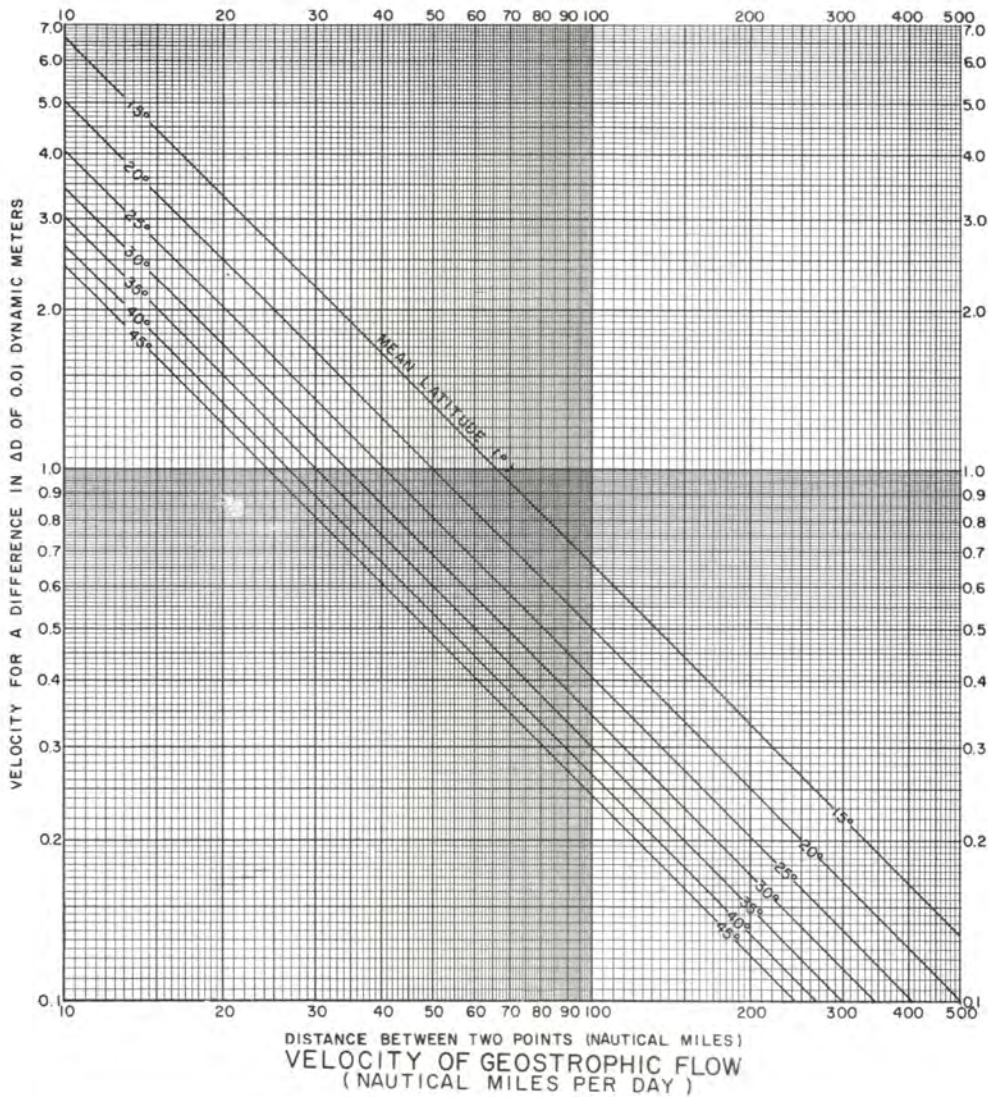
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cm/sec	0	1	2	3	4	5	6	7	8	9
0	<i>KNOTS</i> 0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.17	
	NM/DAY	0.47	0.93	1.40	1.86	2.33	2.80	3.26	3.73	4.20
10	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.35	0.37
	4.66	5.13	5.59	6.06	6.53	6.99	7.46	7.93	8.39	8.86
20	0.39	0.41	0.43	0.45	0.47	0.49	0.51	0.52	0.54	0.56
	9.32	9.79	10.26	10.72	11.19	11.66	12.12	12.59	13.05	13.52
30	0.58	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76
	13.99	14.45	14.92	15.38	15.85	16.32	16.78	17.25	17.72	18.18
40	0.78	0.80	0.82	0.84	0.85	0.87	0.89	0.91	0.93	0.95
	18.65	19.11	19.58	20.05	20.51	20.98	21.45	21.91	22.38	22.84
50	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.11	1.13	1.15
	23.31	23.78	24.24	24.71	25.17	25.64	26.11	26.57	27.04	27.51
60	1.17	1.18	1.20	1.22	1.24	1.26	1.28	1.30	1.32	1.34
	27.98	28.44	28.90	29.37	29.84	30.30	30.77	31.24	31.70	32.17
70	1.36	1.38	1.40	1.42	1.44	1.46	1.48	1.50	1.52	1.53
	32.63	33.10	33.57	34.03	34.50	34.96	35.43	35.90	36.36	36.83
80	1.55	1.57	1.59	1.61	1.63	1.65	1.67	1.69	1.71	1.73
	37.30	37.76	38.23	38.69	39.16	39.63	40.09	40.56	41.03	41.49
90	1.75	1.77	1.79	1.81	1.83	1.85	1.86	1.88	1.90	1.92
	41.96	42.42	42.89	43.36	43.82	44.29	44.76	45.22	45.69	46.15
100	1.94	1.96	1.98	2.00	2.02	2.04	2.06	2.08	2.10	2.12
	46.62	47.09	47.55	48.02	48.48	48.95	49.42	49.88	50.35	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 7201

1. CalCOFI Cruise 7201, 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

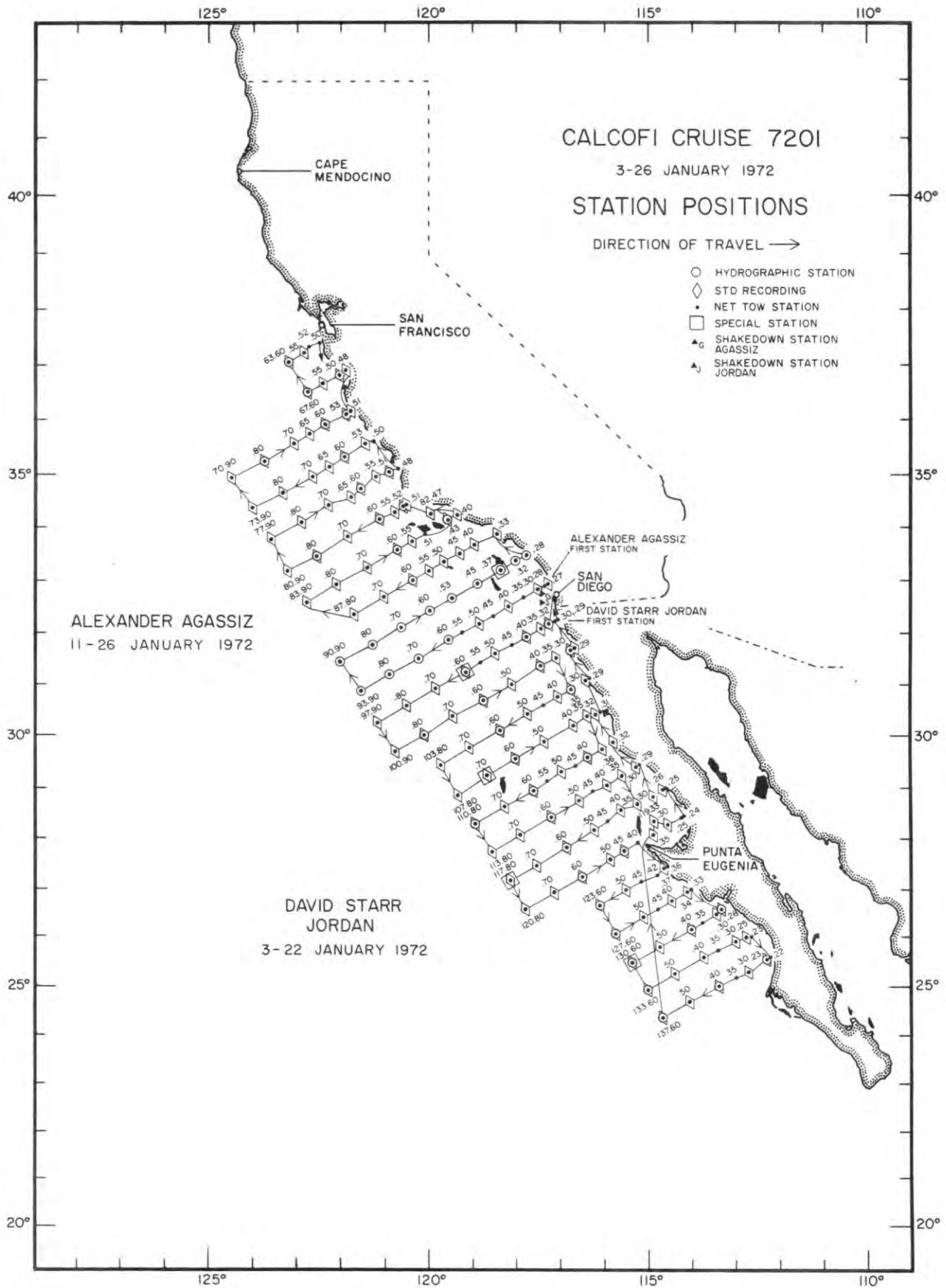


FIGURE 1

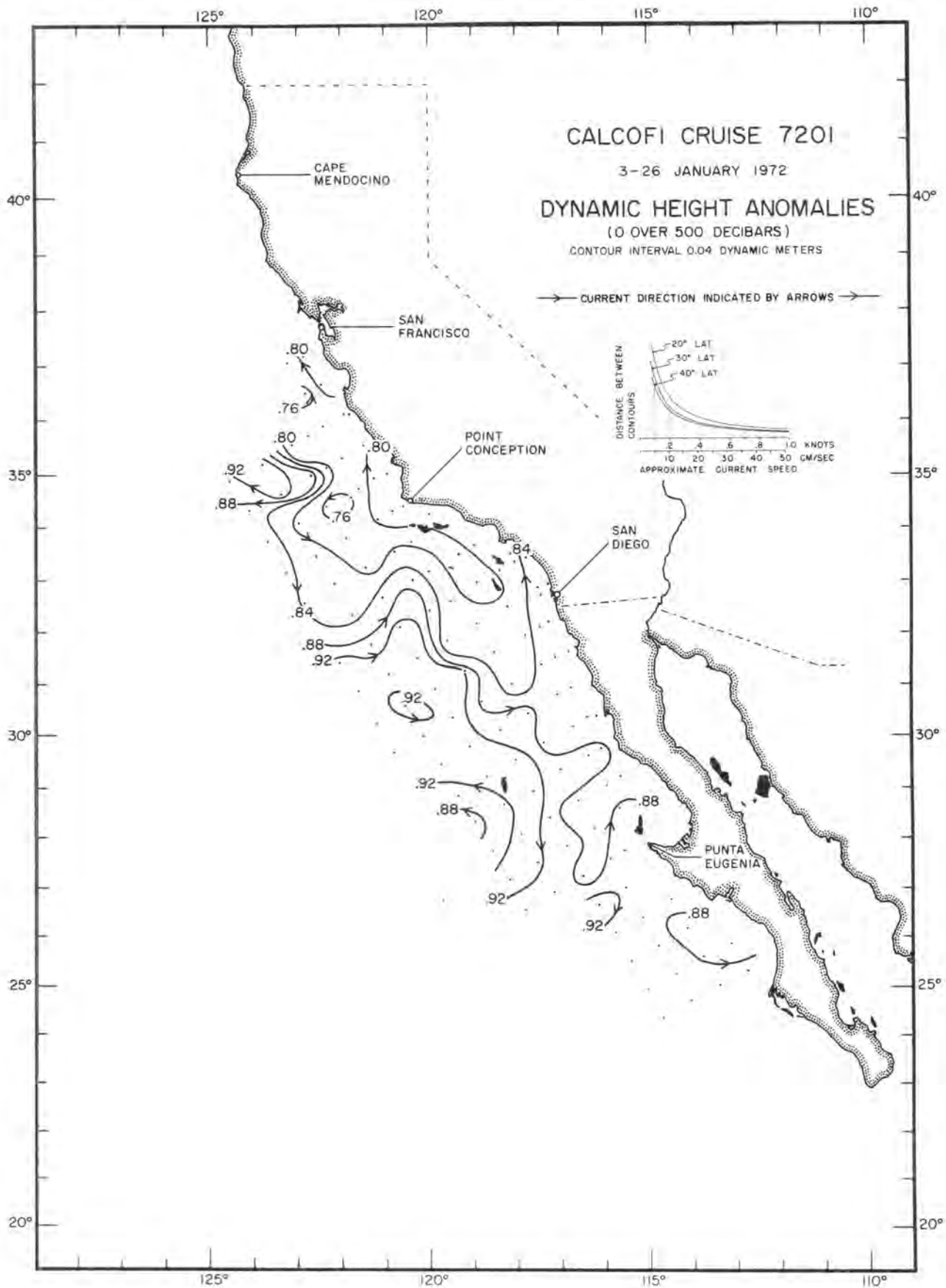


FIGURE 2

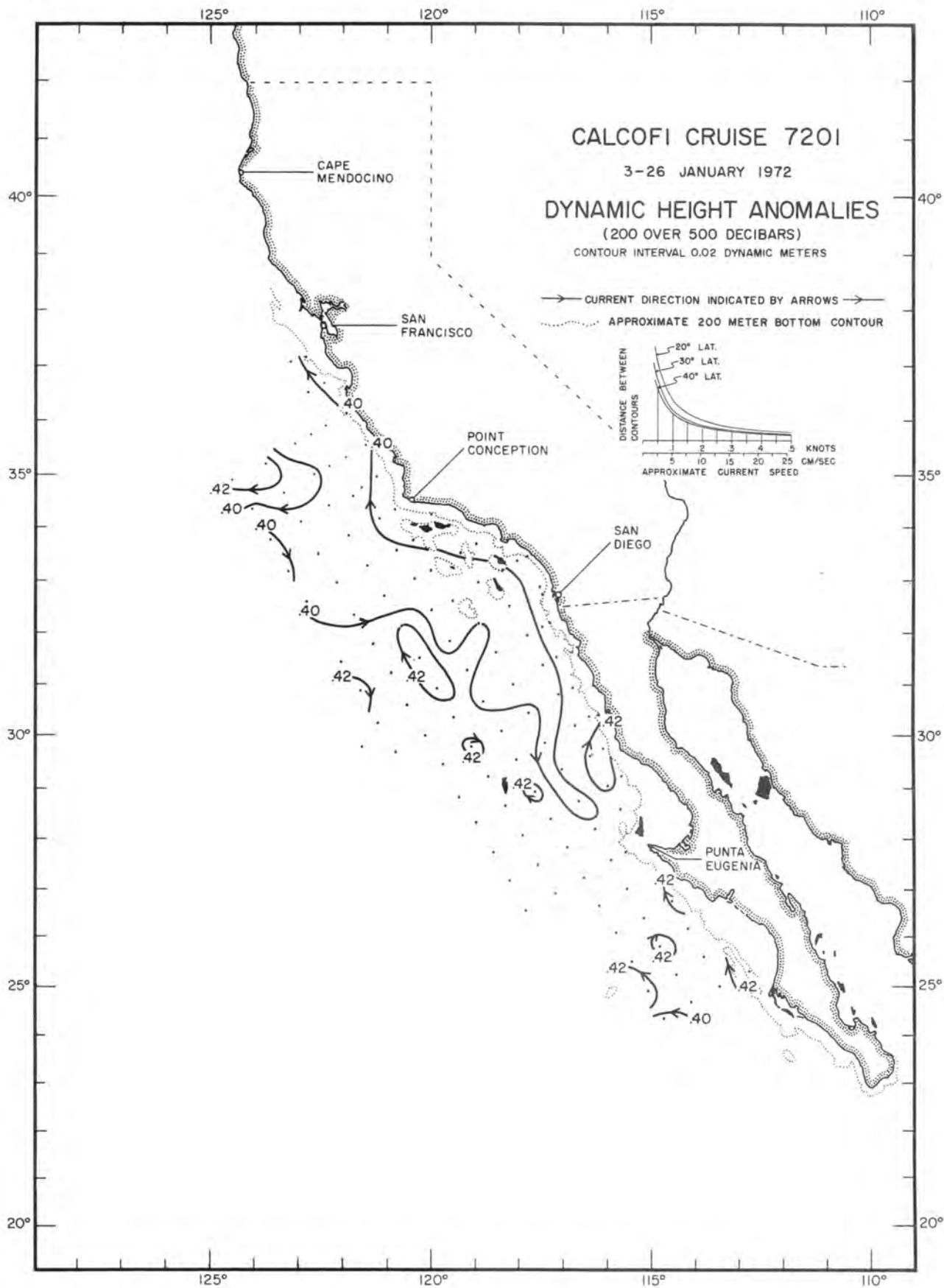


FIGURE 3

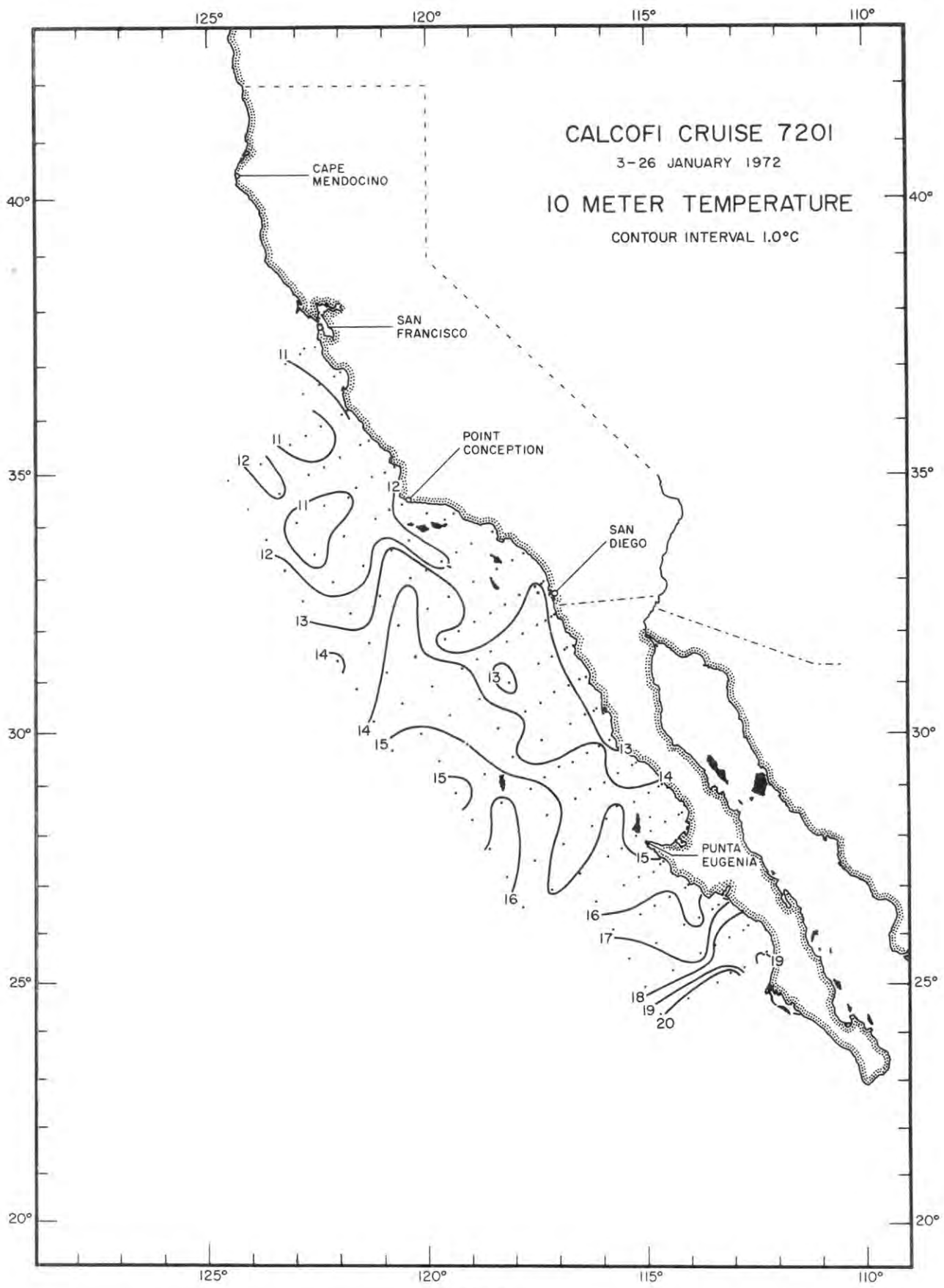


FIGURE 4

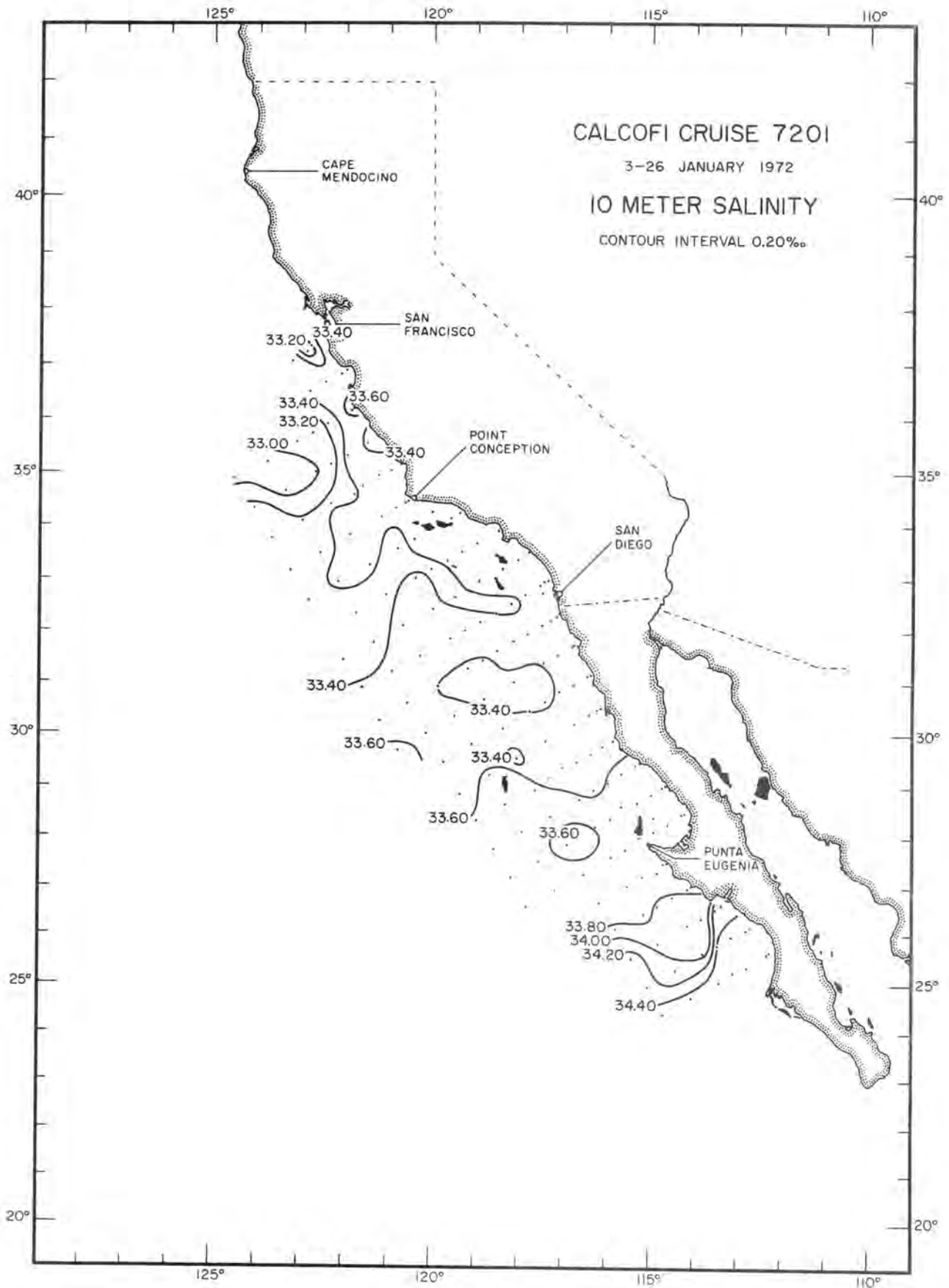


FIGURE 15



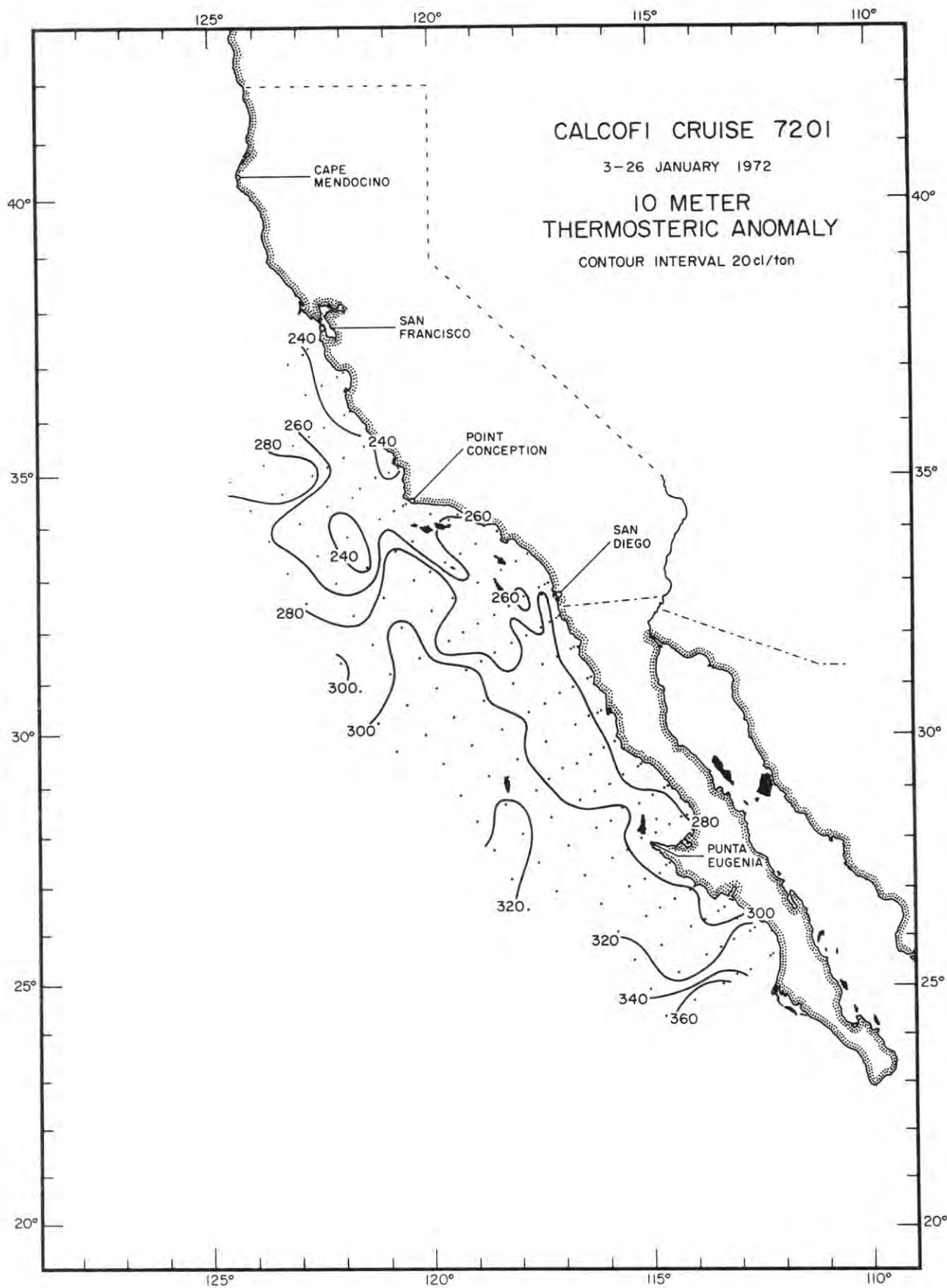


FIGURE 6

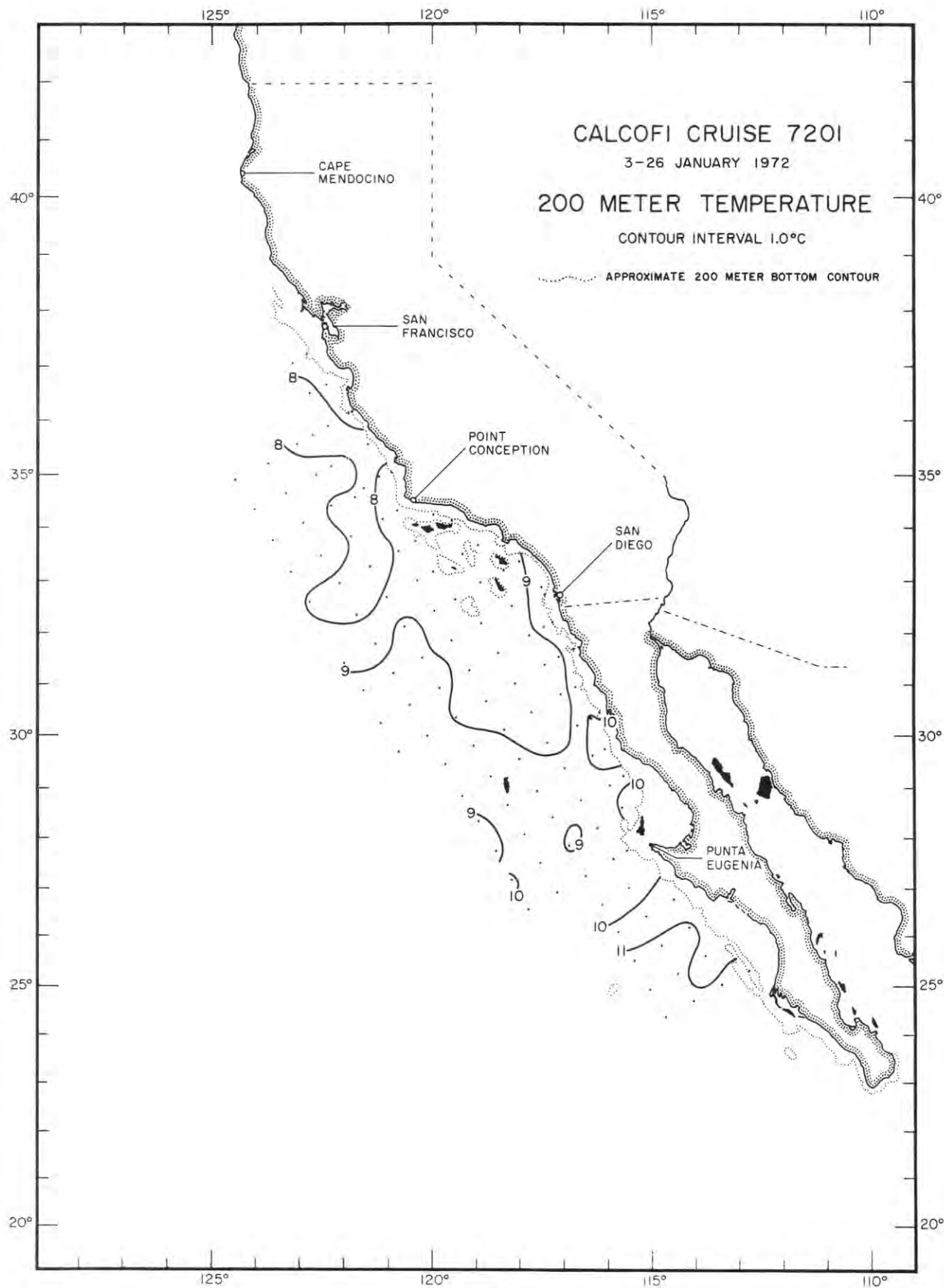


FIGURE 7

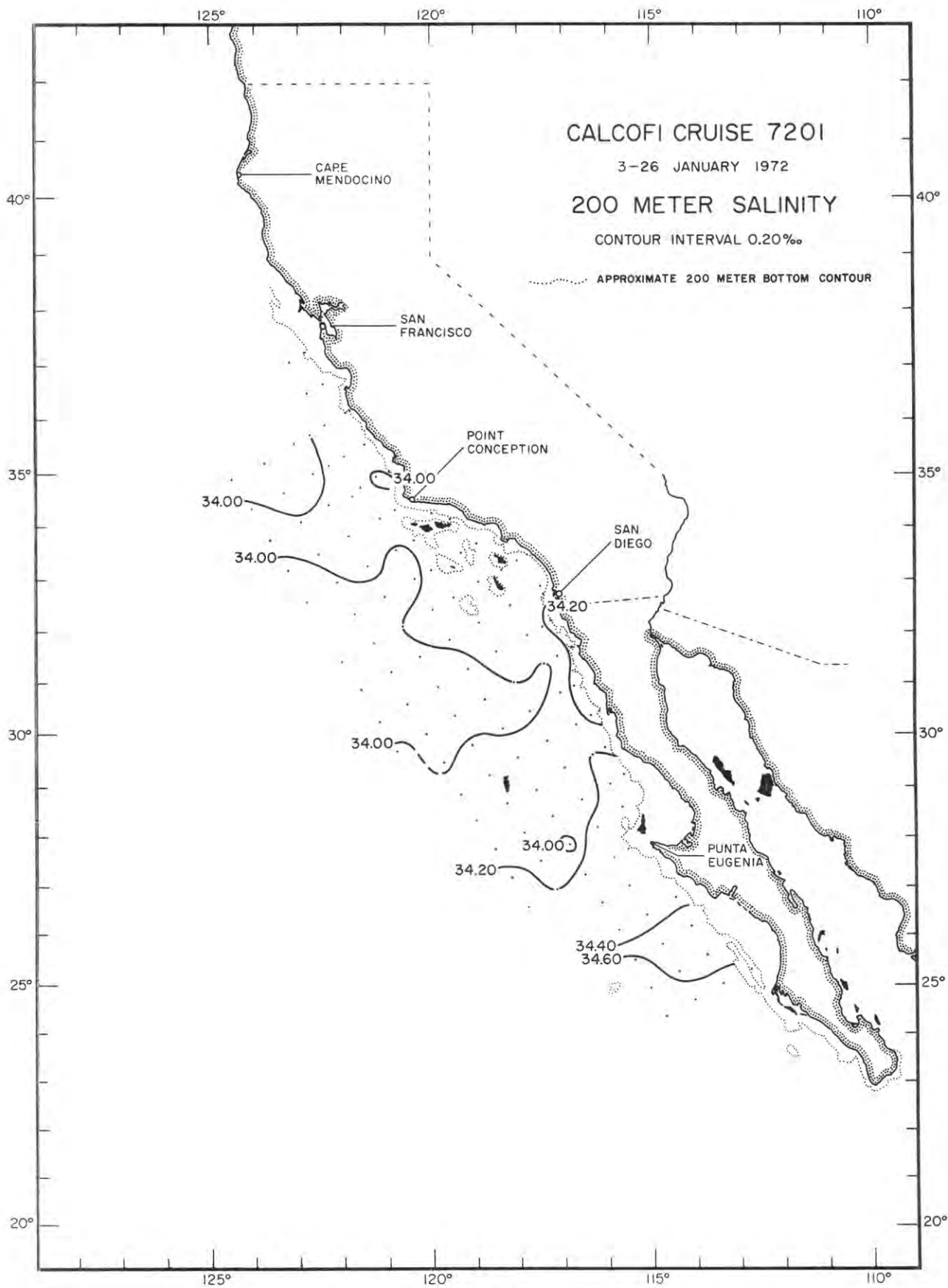


FIGURE 8

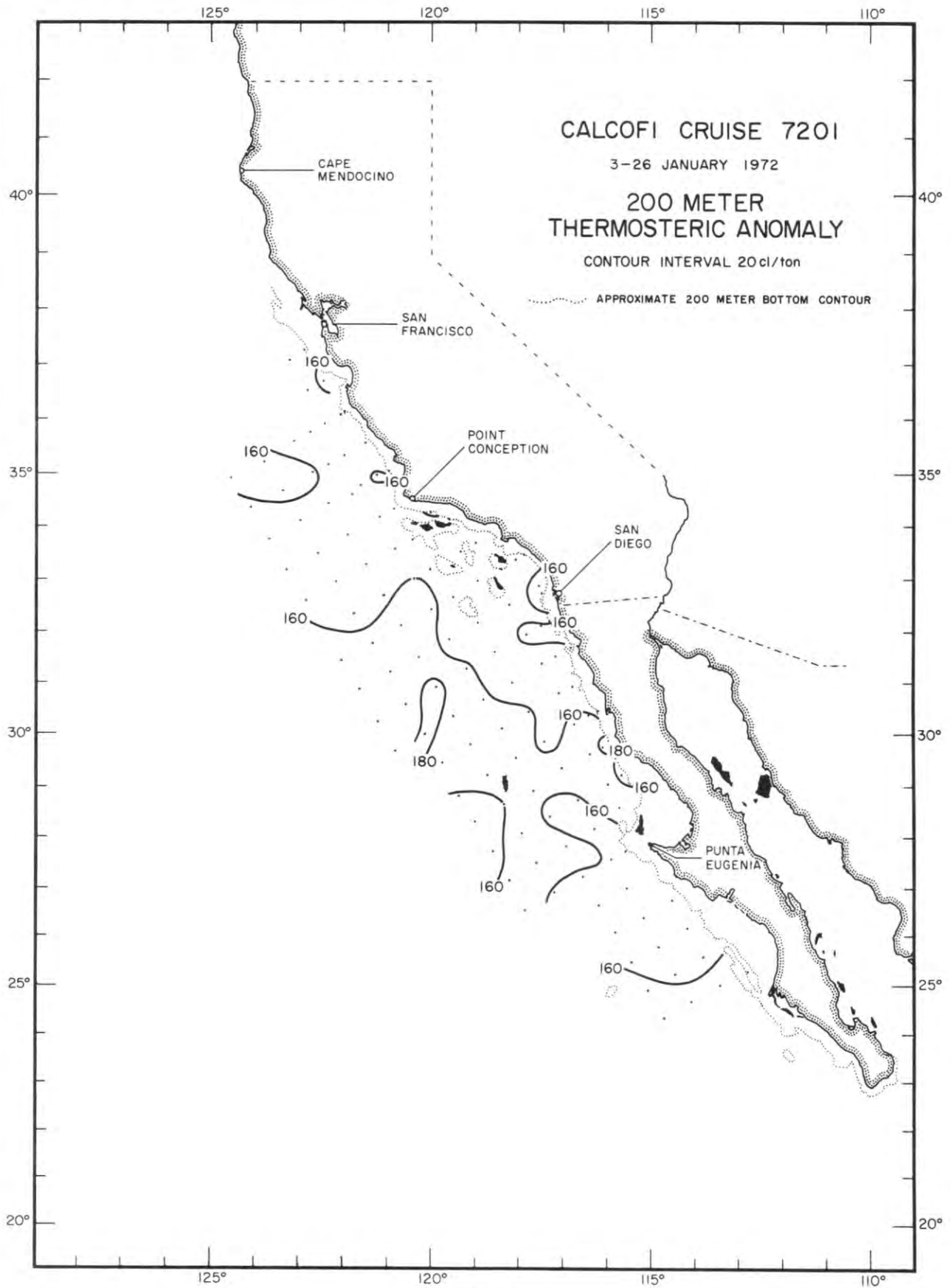


FIGURE 9

PERSONNEL  
Cruise 7201

SHIP'S 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)	Marine Technician SIO
Baccini, Marco E.	Volunteer
Barker, Susan G.	Volunteer
Burgener, Bruce C.	Staff Research Associate SIO
Cooke, Michaelyn R.	Staff Research Associate SIO
Huffer, Robert P.	Marine Technician SIO
Patla, Susan M.	Marine Technician SIO
Powell, William J.	Electronics Technician SIO
Sinclair, Michael M.	Marine Technician SIO
Smith, Donna L.	Sea Grant Student SDSU
Smith, Sheila H.	Sea Grant Student SDSU
Steele, Dianne I.	Sea Grant Student SDSU
Thomas, James E.	Marine Technician SIO

RV David Starr Jordan:

Counts, Robert C. (in charge)	Fishery Biologist NMFS
Brown, Jack	Electronics Technician NMFS
Costello, James P.	Staff Research Associate SIO
Hassanzadeh, Siamak	Sea Grant SDSU
Hoffman, Frederick L.	Sea Grant SDSU
Horowitz, Anne Marie A.	Marine Technician GEOSECS
Kimbrell, Carol A.	Biology Laboratory Technician NMFS
Metoyer, Jack D.	Biology Laboratory Technician NMFS
Pierce, Stephen	Marine Technician SIO
Pineda, Jorge	Biologist, Centro de Promocion Pesquera, Mexico
Robles, Jose Mario	Oceanographer, Centro de Promocion Pesquera, Mexico



RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

67060

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	S10T	DT	DD	
	36	49.0N	122	04.5W	1/25/72	1147	GMT		112M	160	15KT					
	0								0	10.79	33.55		25.706	229.6	0.000	
	10								10	10.79	33.55		25.706	229.6	0.023	
	20								20	10.79	33.55		25.706	229.6	0.046	
	30								30	10.75	33.56		25.724	227.9	0.069	
	50								50	10.50	33.60		25.796	221.1	0.114	
	75								75	10.05	33.72		25.966	204.9	0.168	
	100								100	9.60	33.78		26.088	193.3	0.218	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

67060

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	S10T	DT	DD	
	36	49.0N	122	04.5W	1/25/72	1220	GMT		112M	160	15KT					
0	10.95	33.54	4.790	0.83	7.	0.03	8.4	232.7	0	10.95	33.54		25.673	232.7	0.000	
11	10.94	33.54	5.15	0.82	7.	0.03	8.0	232.9	10	10.94	33.54		25.672	232.9	0.023	
26	10.86	33.54	4.54	0.84	7.	0.02	8.0	231.5	20	10.90	33.54	4.71	25.678	232.3	0.047	
37	10.75	33.54	4.51	0.88	8.	0.03	9.9	229.7	30	10.82	33.54	4.53	25.691	231.0	0.070	
47	10.65	33.57	4.10	1.06	9.	0.05	11.0	225.6	50	10.59	33.59	4.02	25.766	223.9	0.115	
62	10.35	33.64	3.76	1.33	13.	0.00	15.9	215.7	75	10.16	33.69	3.38	25.920	209.2	0.170	
77	10.13	33.69	3.32	1.46	16.	0.00	17.2	208.4	100	9.89	33.75	2.94	26.019	199.9	0.222	
103	9.87	33.76	2.92	1.68		0.00	19.7	199.0								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

67055

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	S10T	DT	DD	
	36	39.0N	122	26.0W	1/25/72	1505	GMT		2165M	200	25KT	5		310 10 10		
	0								0	11.15	33.50		25.603	239.4	0.000	
	10								10	11.15	33.50		25.603	239.4	0.024	
	20								20	11.07	33.54		25.648	235.1	0.048	
	30								30	10.57	33.65		25.822	218.6	0.070	
	50								50	10.15	33.72		25.953	206.2	0.113	
	75								75	9.86	33.76		26.045	197.4	0.164	
	100								100	9.52	33.86		26.164	186.1	0.212	
	125								125	9.26	33.92		26.253	177.6	0.258	
	150								150	9.06	33.97		26.324	170.9	0.302	
	200								200	8.72	34.03		26.424	161.3	0.387	
	250								250	8.07	34.06		26.547	149.7	0.467	
	300								300	7.58	34.10		26.650	139.9	0.542	
	400								400	6.71	34.17		26.827	123.2	0.679	
	500								500	6.11	34.22		26.945	112.0	0.802	
	600								600	5.43	34.27		27.069	100.2	0.916	
	700								700	5.05	34.33		27.161	91.5	1.019	
	800								800	4.54	34.39		27.266	81.5	1.113	
	1000								1000	3.93	34.45		27.378	70.8	1.283	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

67060

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	S10T	DT	DD	
	36	28.5N	122	47.5W	1/25/72	1800	GMT		2973M	310	20KT	1		310 10 10		
	0								0	11.31	33.51		25.582	241.4	0.000	
	10								10	11.31	33.51		25.582	241.4	0.024	
	20								20	11.30	33.51		25.584	241.2	0.048	
	30								30	11.25	33.53		25.612	238.6	0.072	
	50								50	10.52	33.62		25.808	219.9	0.118	
	75								75	9.24	33.86		26.209	181.8	0.169	
	100								100	8.89	33.93		26.320	171.3	0.213	
	125								125	8.50	34.00		26.435	160.3	0.255	
	150								150	8.33	34.01		26.469	157.1	0.296	
	200								200	7.72	34.06		26.599	144.8	0.373	
	250								250	7.33	34.10		26.686	136.5	0.445	
	300								300	6.96	34.13		26.761	129.4	0.513	
	400								400	6.23	34.17		26.890	117.2	0.642	
	500								500	5.79	34.26		27.017	105.1	0.759	
	600								600	5.22	34.30		27.117	95.6	0.866	
	700								700	4.79	34.37		27.222	85.7	0.964	
	800								800	4.43	34.41		27.294	78.9	1.054	
	1000								1000	3.64	34.48		27.411	67.7	1.217	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7201 67040

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
1	11.29	33.495	6.50	0.63	7.	0.30	4.9	242.2	0	11.29	33.495	6.50	25.574	242.2	0.000					
10	11.31	33.501	6.41	0.59	6.	0.30	4.5	242.1	10	11.31	33.501	6.41	25.575	242.1	0.024					
30	11.14	33.536	5.95	0.82	9.	0.37	7.2	236.6	20	11.23	33.505	6.23	25.592	240.5	0.048					
59	9.91	33.625	4.62	1.40	17.	0.09	18.6	209.7	30	11.14	33.536	5.95	25.633	236.6	0.072					
79	9.24	33.856	3.34	1.83	26.	0.03	22.6	182.1	50	10.34	33.580	5.11	25.807	220.0	0.118					
94	9.04	33.884	3.21	1.84	28.	0.03	25.2	177.0	75	9.35	33.815	3.56	26.155	187.0	0.169					
108	8.81	33.933	3.06	1.93	29.	0.06	24.7	169.9	100	8.94	33.906	3.14	26.292	173.9	0.215					
139	8.49	33.983	2.88	2.01	31.	0.03	26.7	161.4	125	8.62	33.967	2.95	26.390	164.7	0.258					
163	8.20	34.017	2.74	2.12	37.	0.05	31.4	154.7	150	8.37	34.001	2.82	26.455	158.5	0.299					
192	7.69	34.051	2.49	2.25	42.	0.02		145.1	200	7.62	34.060	2.42	26.612	143.6	0.376					
227	7.48	34.082	2.18	2.39	46.	0.00	33.4	139.9	250	7.31	34.107	1.93	26.693	135.8	0.447					
296	6.95	34.149	1.44	2.68	59.	0.00	34.5	127.8	300	6.92	34.152	1.41	26.783	127.3	0.515					
405	6.18	34.190	0.92	2.96	75.	0.02	37.0	115.1	400	6.21	34.199	0.93	26.907	115.6	0.642					
512	5.71	34.276	0.56	3.10	86.	0.00		103.0	500	5.76	34.267	0.59	27.026	104.3	0.758					
650	5.10	34.326	0.44	3.20	99.	0.00	40.1	92.3	600	5.32	34.312	0.48	27.115	95.9	0.864					
806	4.43	34.38	0.49	3.23	114.	0.03														
973	3.88	34.47	0.67	3.24	124.	0.00	44.8	68.9												
1177	3.29	34.52	0.92	3.17		0.03	41.9	59.6												

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7201 70051

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	10.64	33.67							0	10.64	33.67		25.826	218.2	0.000					
10	10.64	33.67							10	10.64	33.67		25.826	218.2	0.022					
20	10.61	33.67							20	10.61	33.67		25.831	217.7	0.044					
30	10.44	33.69							30	10.44	33.69		25.876	213.4	0.065					
50	9.94	33.78							50	9.94	33.78		26.031	198.7	0.107					
75	9.43	33.84							75	9.43	33.84		26.178	184.7	0.155					
100	9.09	33.95							100	9.09	33.95		26.303	172.8	0.200					
125	8.98	33.98							125	8.98	33.98		26.344	168.9	0.243					
150	8.69	34.02							150	8.69	34.02		26.421	161.6	0.285					
200	8.24	34.09							200	8.24	34.09		26.545	149.9	0.365					
250	7.73	34.14							250	7.73	34.14		26.660	139.0	0.439					

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7201 70053

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	11.15	33.573	5.46						0	11.15	33.573	5.46	25.660	234.0	0.000					
20	11.05	33.573	5.69						20	11.05	33.573	5.69	25.670	233.0	0.023					
30	10.96	33.560	5.23						30	11.03	33.573	5.69	25.681	232.0	0.047					
60	10.80	33.601	5.11						60	10.96	33.560	5.23	25.684	231.7	0.070					
80	10.37	33.686	4.37						80	10.68	33.596	5.15	25.724	227.9	0.116					
95	9.90	33.794	2.71						95	10.50	33.661	4.58	25.842	216.7	0.172					
110	9.12	33.899	3.13						110	9.63	33.832	3.52	26.121	190.1	0.223					
140	8.76	34.014	2.48						140	8.94	33.993	2.71	26.360	167.5	0.268					
165	8.53	34.051	2.64						165	8.66	34.033	2.56	26.435	160.3	0.310					
195	8.29	34.091	1.71						195	8.24	34.090	1.68	26.551	149.4	0.389					
229	7.95	34.128	1.53						229	7.80	34.141	1.54	26.650	140.0	0.463					
300	7.48	34.158	1.55						300	7.48	34.158	1.55	26.710	134.2	0.534					
410	6.42	34.209	0.88						410	6.52	34.205	0.95	26.879	118.2	0.666					
521	5.81	34.276	0.74						521	5.90	34.264	0.75	27.005	106.2	0.784					
659	5.16	34.343	0.49						659	5.42	34.317	0.57	27.106	96.7	0.892					
820	4.57	34.404	0.77						820	4.99	34.359	0.56	27.190	88.7	0.993					
899	4.36	34.441	0.58						899	4.63	34.397	0.74	27.261	82.0	1.086					

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7201 70053

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	11.11	33.58							0	11.11	33.58		25.672	232.8	0.000					
10	11.12	33.59							10	11.12	33.59		25.678	232.3	0.023					
20	11.04	33.58							20	11.04	33.58		25.678	232.3	0.047					
30	10.96	33.60							30	10.96	33.60		25.715	228.8	0.070					
50	10.56	33.66							50	10.56	33.66		25.832	217.7	0.114					
75	9.72	33.82							75	9.72	33.82		26.099	192.0	0.166					
100	9.11	33.98							100	9.11	33.98		26.324	170.9	0.212					
125	8.89	34.00							125	8.89	34.00		26.374	166.1	0.254					
150	8.61	34.05							150	8.61	34.05		26.457	158.2	0.296					
200	8.31	34.10							200	8.31	34.10		26.542	150.1	0.374					
250	7.96	34.14							250	7.96	34.14		26.626	142.2	0.449					
300	7.56	34.16							300	7.56	34.16		26.700	135.1	0.521					
400	6.44	34.21							400	6.44	34.21		26.887	117.4	0.653					
500	6.04	34.25							500	6.04	34.25		26.977	108.9	0.772					
600	5.39	34.31							600	5.39	34.31		27.105	96.8	0.882					
700	4.90	34.37							700	4.90	34.37		27.210	86.0	0.981					
800	4.56	34.42							800	4.56	34.42		27.285	79.7	1.072					
1000	3.94	34.49							1000	3.94	34.49		27.404	67.4	1.238					



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

70060

LATITUDE 35 53.0N			LONGITUDE 122 24.0W			MO/DAY/YR 1/24/72			MESSENGER TIME 1F15 GMT			BOTTOM 3163M	WIND 350	SPEED 20KT	WEATHER 1	DOMINANT WAVES 320 12 9		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SI0T	UT	DD			
									0	10.56	33.20		25.474	251.7	0.000			
									10	10.57	33.20		25.473	251.8	0.025			
									20	10.56	33.20		25.474	251.7	0.050			
									30	10.57	33.22		25.488	250.3	0.076			
									50	10.35	33.31		25.596	240.1	0.125			
									75	9.94	33.38		25.720	228.3	0.184			
									100	8.94	33.65		26.093	192.8	0.237			
									125	8.64	33.84		26.288	174.3	0.283			
									150	8.07	33.90		26.422	161.6	0.326			
									200	7.24	34.01		26.628	142.0	0.403			
									250	7.03	34.09		26.720	133.3	0.474			
									300	6.83	34.13		26.779	127.7	0.541			
									400	6.11	34.19		26.921	114.2	0.667			
									500	5.43	34.23		27.037	103.2	0.781			
									600	5.09	34.32		27.148	92.7	0.886			
									700	4.63	34.37		27.240	84.0	0.981			
									800	4.34	34.41		27.304	78.0	1.069			
									1000	3.75	34.47		27.413	67.6	1.231			

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

70060

LATITUDE 35 53.0N			LONGITUDE 122 24.0W			MO/DAY/YR 1/24/72			MESSENGER TIME 1919 GMT			BOTTOM 3163M	WIND 350	SPEED 20KT	WEATHER 1	DOMINANT WAVES 320 12 9		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SI0T	UT	DD			
									0	10.59	33.194	6.49	25.465	252.6	0.000			
									10	10.59	33.193	6.44	25.464	252.7	0.025			
									20	10.60	33.211	6.44	25.474	251.7	0.051			
									30	10.61	33.224	6.43	25.484	250.7	0.076			
									50	10.45	33.278	6.19	25.552	244.2	0.125			
									75	9.72	33.438	5.24	25.801	220.6	0.184			
									100	8.95	33.699	4.07	26.128	189.5	0.235			
									125	8.57	33.890	3.60	26.338	169.6	0.281			
									150	7.83	33.934	3.54	26.482	155.9	0.322			
									200	7.19	34.027	2.42	26.648	140.1	0.398			
									250	7.00	34.093	1.82	26.725	132.8	0.468			
									300	6.93	34.169	1.42	26.795	126.2	0.534			
									400	6.12	34.203	0.88	26.929	113.5	0.659			
									500	5.55	34.252	0.58	27.038	103.1	0.773			
									600	5.08	34.314	0.36	27.144	93.0	0.878			
									700	4.67	34.371	0.32	27.237	84.3	0.974			
									800	4.34	34.414	0.46	27.306	77.7	1.062			
									1000	3.74	34.467	0.66	27.411	67.8	1.224			
									1200	3.33	34.512		27.487	60.5	1.370			

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

70065

LATITUDE 35 43.0N			LONGITUDE 122 44.0W			MO/DAY/YR 1/24/72			MESSENGER TIME 1519 GMT			BOTTOM 1295M	WIND 340	SPEED 21KT	WEATHER 1	DOMINANT WAVES 320 11 10		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SI0T	UT	DD			
									0	10.55	33.13		25.422	256.7	0.000			
									10	10.55	33.13		25.422	256.7	0.026			
									20	10.54	33.13		25.423	256.5	0.051			
									30	10.26	33.25		25.565	243.0	0.076			
									50	10.55	33.45		25.670	233.0	0.124			
									75	9.25	33.49		25.919	209.4	0.180			
									100	8.56	33.77		26.246	178.3	0.229			
									125	8.27	33.86		26.361	167.4	0.272			
									150	8.06	33.92		26.439	160.0	0.314			
									200	7.28	34.00		26.615	143.3	0.391			
									250	6.94	34.05		26.701	135.1	0.462			
									300	6.48	34.07		26.779	127.7	0.530			
									400	5.87	34.14		26.912	115.1	0.656			
									500	5.43	34.23		27.037	103.2	0.771			
									600	4.85	34.28		27.144	93.1	0.875			
									700	4.63	34.36		27.232	84.7	0.971			
									800	4.32	34.41		27.306	77.7	1.060			
									1000	3.74	34.47		27.414	67.5	1.221			

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						70070
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	S10T	DT	00	
									0	10.93	33.04		25.285	269.6	0.000	
									10	10.93	33.04		25.285	269.6	0.027	
									20	10.90	33.14		25.368	261.7	0.054	
									30	10.48	33.29		25.552	243.7	0.079	
									50	9.80	33.34		25.712	229.0	0.126	
									75	9.45	33.60		25.972	204.3	0.181	
									100	8.85	33.60		26.224	180.4	0.229	
									125	8.49	33.48		26.343	169.1	0.273	
									150	8.03	33.92		26.444	159.5	0.315	
									200	7.65	33.99		26.550	149.5	0.394	
									250	6.97	34.01		26.666	138.5	0.468	
									300	6.38	34.01		26.744	131.0	0.537	
									400	5.95	34.14		26.902	116.0	0.665	
									500	5.43	34.24		27.045	102.5	0.780	
									600	5.04	34.31		27.146	92.9	0.884	
									700	4.69	34.36		27.226	85.3	0.980	
									800	4.39	34.41		27.298	78.5	1.070	
									1000	3.82	34.48		27.413	67.5	1.232	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						70080
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	S10T	DT	00	
									0	12.14	32.947		24.992	297.5	0.000	
									10	12.14	32.965		25.004	296.4	0.030	
									20	12.15	32.957		24.996	297.2	0.059	
									30	12.16	32.940		24.983	298.4	0.089	
									50	11.97	32.924		25.004	296.4	0.149	
									75	11.09	32.983		25.210	276.8	0.221	
									100	10.58	33.129		25.414	257.4	0.288	
									125	10.59	33.266	5.22	25.519	247.4	0.352	
									150	10.64	33.343	5.00	25.570	242.5	0.414	
									200	8.69	33.766	2.97	26.221	180.7	0.521	
									250	7.94	33.977	2.48	26.500	154.2	0.607	
									300	7.33	34.014	2.17	26.617	143.0	0.684	
									400	5.97	34.033	1.52	26.814	124.4	0.822	
									500	5.44	34.125	0.89	26.964	110.1	0.945	
									600	4.91	34.223	0.51	27.092	98.0	1.055	
									700	4.57	34.308	0.44	27.197	88.1	1.155	
									800	4.27	34.382	0.50	27.278	80.4	1.247	
									1000	3.87	34.475	0.61	27.404	68.6	1.412	
									1200	3.32	34.527	1.00	27.500	59.3	1.558	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						70090
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	S10T	DT	00	
									0	12.13	32.96		25.004	296.4	0.000	
									10	12.13	32.96		25.004	296.4	0.030	
									20	12.13	32.96		25.004	296.4	0.059	
									30	12.13	32.95		24.996	297.1	0.089	
									50	11.83	32.92		25.029	294.0	0.148	
									75	10.80	33.02		25.293	268.9	0.219	
									100	10.56	33.13		25.420	256.8	0.285	
									125	10.57	33.03		25.496	249.6	0.349	
									150	10.75	33.39		25.589	240.8	0.411	
									200	8.53	33.62		26.290	174.1	0.517	
									250	7.95	33.97		26.497	154.4	0.601	
									300	7.21	34.01		26.616	142.9	0.677	
									400	5.95	34.01		26.800	125.8	0.817	
									500	5.36	34.10		26.943	112.2	0.941	
									600	4.99	34.20		27.065	100.6	1.054	
									700	4.59	34.30		27.189	88.8	1.155	
									800	4.38	34.30		27.275	80.6	1.247	
									1000	3.83	34.47		27.405	68.4	1.413	



RV ALEXANDER AGASSIZ      CALCOFI CRUISE 7201

73060

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT						Z	T	S
	35 17.5N		121 57.0W		1/22/72	1955	GMT		2376M	310	14KT	1		300	6	5
1	11.13	33.435	5.28	0.74	5.	0.21	5.5	243.9	0	11.13	33.435	5.28	25.556	243.9	0.000	
10	11.13	33.435	5.79	0.70	4.	0.20	5.3	243.9	10	11.13	33.435	5.79	25.556	243.9	0.024	
30	11.10	33.445	5.59	0.72	5.	0.21	5.3	242.8	20	11.12	33.439	5.69	25.560	243.5	0.049	
60	10.80	33.452	4.95	0.85	6.	0.38	7.9	237.0	30	11.10	33.445	5.59	25.569	242.6	0.073	
80	9.88	33.547	4.42	1.30	13.	0.06	15.3	215.0	50	10.90	33.451	5.20	25.608	238.9	0.121	
95	8.99	33.660	4.39	1.60	20.	0.01	20.5	192.0	75	10.15	33.518	4.53	25.791	221.6	0.179	
109	8.96	33.823	3.56	1.83	24.	0.01	23.7	180.3	100	8.98	33.728	4.12	26.147	187.7	0.231	
140	3.66	33.980	2.94	1.98	29.	0.00	27.4	164.2	125	8.84	33.931	3.11	26.428	170.5	0.276	
165	3.28	34.012	2.77	2.11	33.	0.01	29.9	156.2	150	8.51	33.999	2.85	26.432	160.7	0.318	
194	7.88	34.044	2.65	2.19	39.	0.00	30.2	149.2	200	7.81	34.048	2.64	26.575	147.0	0.397	
229	7.51	34.059	2.57	2.23	44.	0.00	32.2	142.0	250	7.25	34.073	2.33	26.675	137.6	0.470	
299	6.67	34.107	1.68	2.70	57.	0.00	37.1	127.4	300	6.66	34.109	1.67	26.784	127.2	0.538	
409	5.86	34.187	1.31	3.02	74.	0.00	40.7	111.4	400	5.91	34.181	1.32	26.939	112.5	0.663	
518	5.46	34.284	0.59	3.19	85.	0.00	47.20	99.5	500	5.51	34.270	0.70	27.058	101.3	0.775	
658	4.94	34.361	0.46	3.33	100.	0.00	46.3	88.0	600	5.16	34.334	0.51	27.151	92.4	0.879	
816	4.36	34.453	0.60	3.27	112.	0.00	49.20	76.4	700	4.78	34.373	0.48	27.233	84.6	0.974	
986	3.89	34.485	0.84	3.27	122.	0.00	46.1	67.2	800	4.42	34.427	0.58	27.308	77.5	1.063	
1194	3.43	34.525	0.98	3.28	136.	0.00	44.7	60.5	1000	3.85	34.490	0.85	27.418	67.2	1.225	
									1200	3.42	34.526	0.99	27.490	60.3	1.370	

RV ALEXANDER AGASSIZ      CALCOFI CRUISE 7201

73060

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT						Z	T	S
	35 17.5N		121 57.0W		1/22/72	1953	GMT		2576M	310	14KT	1		310	6	5
									0	11.15	33.43		25.549	244.6	0.000	
									10	11.13	33.43		25.552	244.2	0.024	
									20	11.10	33.43		25.558	243.7	0.049	
									30	11.09	33.43		25.560	243.5	0.073	
									50	10.87	33.46		25.622	237.6	0.122	
									75	10.28	33.49		25.748	225.6	0.180	
									100	9.08	33.68		26.094	192.7	0.233	
									125	8.69	33.86		26.296	173.5	0.279	
									150	8.68	33.97		26.384	165.2	0.322	
									200	8.00	34.03		26.534	150.9	0.402	
									250	7.36	34.07		26.658	139.1	0.477	
									300	6.78	34.10		26.762	129.3	0.546	
									400	6.04	34.17		26.914	114.9	0.673	
									500	5.65	34.27		27.042	102.8	0.788	
									600	5.13	34.33		27.152	92.4	0.892	
									700	4.69	34.37		27.233	84.6	0.987	
									800	4.38	34.42		27.307	77.6	1.076	
									1000	3.84	34.48		27.411	67.7	1.238	

RV ALEXANDER AGASSIZ      CALCOFI CRUISE 7201

73065

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04	S103	N02	N03	DT						Z	T	S
	35 07.5N		122 18.5W		1/22/72	2250	GMT		3918M	300	13KT	1		300	8	7
									0	11.20	33.03		25.230	275.0	0.000	
									10	11.02	33.05		25.277	270.4	0.027	
									20	10.81	33.14		25.384	260.2	0.054	
									30	10.85	33.20		25.424	256.5	0.080	
									50	10.65	33.24		25.490	250.2	0.131	
									75	10.69	33.39		25.599	239.8	0.192	
									100	10.04	33.22		25.657	234.3	0.252	
									125	8.80	33.62		26.092	193.0	0.306	
									150	8.44	33.91		26.374	166.1	0.351	
									200	8.15	34.05		26.527	151.6	0.432	
									250	7.36	34.05		26.643	140.6	0.507	
									300	6.92	34.10		26.743	131.1	0.577	
									400	6.34	34.19		26.891	117.0	0.706	
									500	5.61	34.25		27.031	103.8	0.823	
									600	5.21	34.32		27.134	94.0	0.928	
									700	4.77	34.36		27.217	86.2	1.026	
									800	4.42	34.41		27.295	78.8	1.116	
									1000	3.80	34.49		27.423	66.6	1.278	

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7201										73070	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 58.5N	122 40.0W	1/23/72	0215 GMT	4072M	300	10KT	1	300 8 7							
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S10T	DT	DD
									0	11.89	32.91		25.010	295.8	0.000
									10	11.89	32.91		25.010	295.8	0.030
									20	11.82	32.91		25.023	294.6	0.059
									30	11.68	32.90		25.042	292.8	0.089
									50	11.41	32.90		25.091	288.2	0.147
									75	10.95	33.00		25.254	272.6	0.217
									100	10.44	33.23		25.519	247.5	0.283
									125	10.72	33.46		25.648	245.1	0.344
									150	10.05	33.42		25.736	226.8	0.402
									200	8.29	33.87		26.365	167.0	0.502
									250	7.55	34.03		26.600	144.7	0.582
									300	7.09	34.07		26.696	135.6	0.654
									400	6.38	34.15		26.855	120.5	0.787
									500	5.62	34.19		26.982	108.4	0.908
									600	5.08	34.27		27.110	96.3	1.017
									700	4.63	34.34		27.216	86.2	1.115
									800	4.30	34.39		27.292	79.0	1.205
									1000	3.68	34.47		27.420	66.9	1.367

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7201										73080	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 38.0N	123 21.0W	1/23/72	0701 GMT	4139M	270	9KT									
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S10T	DT	DD
									0	12.05	32.93		24.996	297.2	0.000
									10	12.05	32.93		24.996	297.2	0.030
									20	12.03	32.94		25.007	296.1	0.059
									30	11.57	32.92		25.077	289.5	0.089
									50	11.29	32.93		25.136	283.9	0.146
									75	10.96	32.98		25.234	274.6	0.216
									100	10.76	33.03		25.308	267.5	0.285
									125	10.42	33.21		25.506	248.6	0.350
									150	9.54	33.22		25.662	233.9	0.411
									200	8.64	33.84		26.288	174.3	0.514
									250	7.71	33.94		26.506	153.6	0.598
									300	7.18	34.03		26.652	139.7	0.674
									400	6.00	34.07		26.840	121.9	0.810
									500	5.40	34.16		26.985	108.1	0.930
									600	5.07	34.27		27.111	96.2	1.039
									700	4.78	34.34		27.200	87.8	1.138
									800	4.35	34.38		27.279	80.3	1.229
									1000	3.84	34.46		27.396	69.2	1.395

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7201										73090	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 20.0N	124 04.0W	1/23/72	1221 GMT	3012M	300	12KT									
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S10T	DT	DD
									0	11.65	33.19		25.272	270.9	0.000
									10	11.70	33.23		25.293	268.9	0.027
									20	11.77	33.33		25.358	262.7	0.054
									30	11.80	33.36		25.375	261.1	0.080
									50	11.67	33.35		25.392	259.5	0.132
									75	11.79	33.39		25.401	258.7	0.197
									100	10.90	33.46		25.617	238.1	0.260
									125	9.84	33.74		26.017	200.0	0.315
									150	9.25	33.86		26.208	181.9	0.364
									200	8.41	34.03		26.472	156.8	0.450
									250	7.87	34.08		26.593	145.4	0.527
									300	7.31	34.12		26.705	134.8	0.600
									400	6.44	34.21		26.894	116.8	0.731
									500	5.94	34.26		26.998	106.9	0.849
									600	5.25	34.30		27.114	95.9	0.957
									700	4.63	34.32		27.201	87.7	1.056
									800	4.35	34.40		27.295	78.8	1.147
									1000	3.83	34.48		27.412	67.6	1.310

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7201										77051	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 02.0N	120 56.0W	1/22/72	0435 GMT	260M	340	16KT	1	310 10 11							
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S10T	DT	DD
									0	11.30	33.56		25.622	237.6	0.000
									10	11.31	33.56		25.621	237.7	0.024
									20	11.31	33.56		25.621	237.7	0.048
									30	11.27	33.56		25.628	237.0	0.071
									50	10.67	33.65		25.805	220.2	0.117
									75	10.24	33.74		25.949	206.5	0.171
									100	10.08	33.77		26.000	201.7	0.222
									125	9.64	33.65		26.136	188.7	0.272
									150	9.29	33.94		26.263	176.6	0.318
									200	8.24	34.06		26.522	152.1	0.402
									250	7.58	34.13		26.674	137.7	0.476

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						77051
LATITUDE	LONGITUDE	MO/DAY/YR			PASSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
35 02.0N	120 56.0W	1/22/72			0900 GMT			260M	340	16KT	1	310 10 11				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI0T	DT	DD	
0	11.30	33.561	6.04	0.75	9.	0.32	6.2	237.5	0	11.30	33.561	6.04	25.623	237.5	0.000	
10	11.32	33.560	6.09	0.77	10.	0.31	6.6	237.9	10	11.32	33.560	6.09	25.619	237.9	0.024	
31	11.29	33.567	6.02	0.80	10.	0.33	8.0	236.9	20	11.31	33.565	6.06	25.624	237.4	0.048	
41	11.04	33.598	5.48	0.94	12.	0.41	9.9	231.1	30	11.29	33.569	6.02	25.629	236.9	0.071	
57	10.92	33.619	5.19	1.05	13.	0.25	10.2		50	10.60	33.615	5.34	25.790	221.6	0.117	
71	10.34	33.728	4.10	1.42	18.	0.00	15.9	209.0	75	10.31	33.737	4.06	25.934	207.9	0.171	
86	10.21	33.752	3.96	1.52	20.	0.00	20.0	205.1	100	10.01	33.793	3.71	26.029	198.9	0.223	
105	9.92	33.810	3.61	1.62	22.	0.02	20.6	196.1	125	9.49	33.901	3.27	26.200	162.7	0.271	
129	9.40	33.918	3.21	1.82	28.	0.00	22.2	180.0	150	9.10	33.992	2.99	26.333	170.0	0.316	
155	9.04	34.005	2.94	1.95	33.	0.04	26.5	166.0	200	8.32	34.074	2.44	26.520	152.3	0.398	
180	8.65	34.053	2.59		37.	0.03	30.8	156.3								
207	8.21	34.076	2.41	2.16	42.	0.03	30.8	150.5								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						77055
LATITUDE	LONGITUDE	MO/DAY/YR			PASSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
34 55.5N	121 13.5W	1/22/72			0900 GMT			556M	320	20KT	1	310 10 11				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI0T	DT	DD	
0	11.55	33.54							0	11.55	33.54		25.561	243.4	0.000	
10	11.55	33.55							10	11.55	33.55		25.569	242.6	0.024	
20	11.55	33.55							20	11.55	33.55		25.569	242.6	0.049	
30	11.53	33.55							30	11.53	33.55		25.573	242.3	0.073	
50	11.04	33.63							50	11.04	33.63		25.724	227.9	0.120	
75	10.64	33.69							75	10.64	33.69		25.841	216.8	0.176	
100	9.90	33.80							100	9.90	33.80		26.054	196.6	0.228	
125	9.54	33.84							125	9.54	33.84		26.145	187.9	0.277	
150	9.46	33.88							150	9.46	33.88		26.189	183.7	0.324	
200	8.57	33.95							200	8.57	33.95		26.385	165.1	0.413	
250	8.10	34.03							250	8.10	34.03		26.519	152.3	0.494	
300	7.57	34.10							300	7.57	34.10		26.652	139.8	0.569	
400	6.89	34.20							400	6.89	34.20		26.826	123.3	0.706	
500	5.93	34.24							500	5.93	34.24		26.983	108.3	0.828	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						77060
LATITUDE	LONGITUDE	MO/DAY/YR			PASSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
34 44.0N	121 35.0W	1/21/72			2118 GMT			925M	330	15KT	1	300 10 11				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI0T	DT	DD	
0	11.51	33.48							0	11.51	33.48		25.522	247.1	0.000	
10	11.49	33.48							10	11.49	33.48		25.526	246.8	0.025	
20	11.45	33.49							20	11.45	33.49		25.541	245.3	0.049	
30	11.42	33.50							30	11.42	33.50		25.554	244.1	0.074	
50	11.29	33.56							50	11.29	33.56		25.624	237.4	0.122	
75	9.90	34.70							75	9.90	34.70		25.976	204.0	0.178	
100	9.35	33.89							100	9.35	33.89		26.415	181.3	0.226	
125	9.01	33.95							125	9.01	33.95		26.316	171.6	0.271	
150	8.76	34.01							150	8.76	34.01		26.402	163.4	0.313	
200	7.83	34.02							200	7.83	34.02		26.951	149.3	0.393	
250	7.61	34.14							250	7.61	34.14		26.677	137.3	0.467	
300	7.00	34.15							300	7.00	34.15		26.771	128.4	0.535	
400	6.21	34.23							400	6.21	34.23		26.940	112.4	0.661	
500	5.79	34.31							500	5.79	34.31		27.056	101.4	0.774	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						77060
LATITUDE	LONGITUDE	MO/DAY/YR			PASSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
34 44.0N	121 35.0W	1/21/72			2200 GMT			925M	330	15KT	1	300 10 11				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI0T	DT	DD	
0	11.52	33.467	6.28	0.66	7.	0.23	4.2	248.2	0	11.52	33.467	6.28	25.510	248.2	0.000	
10	11.51	33.471	6.29	0.69	7.	0.21	4.5	247.8	10	11.51	33.471	6.29	25.515	247.8	0.025	
31	11.40	33.494	6.16	0.71	7.	0.27	5.5	244.2	20	11.46	33.481	6.25	25.330	246.3	0.050	
51	11.33	33.540	5.96	0.81	9.	0.35	7.6	239.6	30	11.41	33.494	6.17	25.551	244.4	0.074	
80	9.89	33.690	4.20	1.49	20.	0.03	18.7	204.5	50	11.30	33.537	5.97	25.997	240.0	0.123	
110	9.39	33.893	3.78	1.90	27.	0.01	21.5	181.7	75	10.16	33.659	4.52	25.896	211.3	0.179	
154	8.80	34.012	3.15	2.00	34.	0.00	24.8	163.9	100	9.50	33.830	3.84	26.143	186.0	0.230	
203	7.77	34.059	2.83	2.30	43.	0.01	29.7	147.0	125	9.20	33.952	3.55	26.287	174.4	0.276	
251	7.50	34.147	2.30	2.60	53.	0.00	36.7	135.3	150	8.66	34.009	3.20	26.385	165.0	0.319	
305	6.90	34.155	1.74	2.73	62.	0.00	37.1	126.7	200	7.83	34.039	2.85	26.365	148.0	0.399	
405	6.25	34.237	1.62	3.04	75.	0.00	37.1	112.4	250	7.50	34.146	2.31	26.697	135.5	0.471	
515	5.76	34.314	0.91	3.21	85.	0.00	37.9	100.8	300	6.96	34.157	1.78	26.782	127.4	0.539	
									400	6.27	34.233	1.63	26.933	113.1	0.684	
									500	5.81	34.305	1.04	27.049	102.1	0.778	



RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201				77090			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 44.5N	123 38.5W	1/21/72	U408	GMT		4049M	310	10KT									
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
									0	11.94	33.30		25.303	268.0	0.000		
									10	11.55	33.30		25.375	261.1	0.026		
									20	11.53	33.31		25.387	260.0	0.053		
									30	11.54	33.32		25.393	259.4	0.079		
									50	11.59	33.34		25.399	258.6	0.131		
									75	11.59	33.35		25.443	254.6	0.195		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201				80051			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 26.0N	120 32.5W	1/19/72	2245	GMT		131M	310	9KT	2				310	8	12		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
									0	12.10	33.52		25.443	254.6	0.000		
									10	12.08	33.52		25.447	254.3	0.025		
									20	12.05	33.52		25.456	253.4	0.051		
									30	11.79	33.54		25.517	247.6	0.076		
									50	11.32	33.58		25.634	236.4	0.125		
									75	11.08	33.62		25.709	229.4	0.163		
									100	10.60	33.72		25.871	213.9	0.239		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201				80052			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 24.5N	120 36.5W	1/19/72	2350	GMT			310	9KT	2				310	8	12		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
									0	11.43	33.54		25.583	241.3	0.000		
									10	11.42	33.54		25.585	241.1	0.024		
									20	11.40	33.54		25.589	240.8	0.048		
									30	11.33	33.56		25.617	238.1	0.072		
									50	11.28	33.58		25.642	235.7	0.120		
									75	10.94	33.65		25.757	224.8	0.178		
									100	10.46	33.77		25.935	207.9	0.232		
									125	9.68	33.90		26.168	185.7	0.282		
									150	9.34	33.97		26.279	175.2	0.328		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201				80052			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 24.5N	120 36.5W	1/20/72	0027	GMT		279M	310	9KT	2				310	8	12		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
0	11.44	33.53	6.34	0.66	8.	0.24	5.1	242.2	0	11.44	33.53	6.34	25.574	242.2	0.000		
10	11.44	33.54	6.30	0.68	8.	0.24	5.9	241.5	10	11.44	33.54	6.30	25.581	241.5	0.024		
31	11.32	33.54	6.17	0.74	9.	0.24	6.5	239.4	20	11.40	33.54	6.26	25.591	240.6	0.048		
41	11.24	33.54	6.03	0.83	9.	0.28	8.0	236.0	30	11.33	33.54	6.18	25.602	239.5	0.072		
56	11.08	33.58	5.75	0.93	10.	0.31	9.8	232.3	50	11.15	33.56	5.88	25.650	235.0	0.120		
86	10.56	33.71	4.52	1.32	18.	0.15	15.0	214.0	75	10.78	33.66	5.03	25.791	221.5	0.177		
106	10.04	33.80	3.66	1.63	23.	0.01	20.7	198.8	100	10.20	33.77	3.90	25.981	203.4	0.231		
130	9.54	33.92	3.09	1.87	28.	0.00	24.4	182.0	125	9.63	33.90	3.18	26.174	185.1	0.280		
154	9.24	33.98	2.83	1.92	31.	0.00	27.7	172.9	150	9.28	33.97	2.86	26.291	174.0	0.326		
179	9.14	34.03	2.73	2.06	33.	0.00		167.7	200	8.97	34.04	2.61	26.392	164.5	0.412		
205	8.92	34.04	2.57	2.14	35.	0.00		163.6	250	8.26	34.12	2.06	26.565	148.0	0.492		
257	8.13	34.14	1.96	2.40	45.	0.00	33.4	144.6									



RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

80055

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	S10T	DT	DD					
									0	12.00	33.52		25.462	252.8	0.000					
									10	12.00	33.52		25.462	252.8	0.025					
									20	11.76	33.54		25.522	247.1	0.050					
									30	11.67	33.56		25.554	244.0	0.075					
									50	11.28	33.60		25.657	234.3	0.123					
									75	10.16	33.75		25.971	204.4	0.178					
									100	9.52	33.87		26.171	185.4	0.227					
									125	9.40	33.98		26.277	175.4	0.273					
									150	9.07	34.07		26.400	163.6	0.316					
									200	8.60	34.10		26.498	154.4	0.397					
									250	8.25	34.14		26.583	146.3	0.474					
									300	7.51	34.13		26.684	136.7	0.547					
									400	6.69	34.22		26.869	119.2	0.681					
									500	5.86	34.23		26.984	108.2	0.801					
									600	5.39	34.31		27.105	96.8	0.910					
									700	4.91	34.37		27.209	87.0	1.009					

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

80060

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	S10T	DT	DD					
1	11.55	33.44	5.92	0.59	5.	0.22	3.7	250.8	0	11.55	33.44	5.92	25.484	250.8	0.000					
11	11.55	33.44	6.15	0.60	5.	0.23	4.4	250.8	10	11.55	33.44	6.13	25.484	250.8	0.025					
30	11.43	33.47	6.38	0.67	7.	0.23	5.3	246.5	20	11.52	33.45	6.26	25.495	249.7	0.050					
60	10.68	33.66	4.94	1.14	15.	0.22	13.9	219.6	30	11.43	33.47	6.38	25.529	246.5	0.075					
80	9.69	33.76	3.86	1.59	22.	0.00	20.0	196.2	50	11.02	33.59	5.55	25.697	230.5	0.123					
94	9.59	33.91	3.28	1.81	27.	0.01	21.4	183.5	75	9.91	33.73	4.12	25.997	202.0	0.177					
109	9.44	33.96	2.98	1.93	29.	0.00	24.4	177.5	100	9.53	33.94	3.13	26.222	180.5	0.225					
140	9.24	34.03	2.74	2.02	33.	0.00	29.0	169.2	125	9.34	34.00	2.82	26.303	172.8	0.270					
165	8.90	34.05	2.54	2.10	35.	0.00	27.6	162.5	150	9.11	34.04	2.66	26.370	166.6	0.313					
195	8.48	34.08	2.36	2.17	38.	0.00	28.8	154.1	200	8.45	34.09	2.32	26.513	152.9	0.395					
230	8.34	34.15	2.07	2.30	42.	0.00		146.9	250	8.11	34.15	2.01	26.608	143.9	0.471					
300	7.46	34.11	1.92	2.48	51.	0.00	31.3	137.5	300	7.46	34.11	1.92	26.675	137.5	0.544					
409	6.66	34.17	1.11	2.79	66.	0.00	36.9	122.5	400	6.71	34.16	1.18	26.820	123.8	0.680					
518	5.91	34.24	0.60	3.15	81.	0.00	42.0	108.1	500	6.03	34.23	0.66	26.962	110.3	0.803					
657	5.10	34.29	0.38	3.21	100.	0.00	43.6	95.0	600	5.40	34.27	0.43	27.071	100.0	0.915					
814	4.60	34.41	0.43	3.21	111.	0.00	41.10	80.6	700	4.94	34.32	0.39	27.167	90.8	1.018					
978	4.03	34.47	0.57	3.21	123.	0.00	44.1	70.3	800	4.64	34.40	0.43	27.263	81.8	1.112					
1179	3.52	34.52	0.87	3.21		0.00	45.6	61.7	1000	3.97	34.48	0.60	27.398	69.1	1.280					
									1200	3.47	34.52		27.480	61.2	1.429					

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7201

80060

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	S10T	DT	DD					
									0	11.53	33.44		25.487	250.4	0.000					
									10	11.52	33.44		25.489	250.2	0.025					
									20	11.53	33.44		25.487	250.4	0.050					
									30	11.40	33.47		25.534	245.9	0.075					
									50	11.28	33.55		25.618	238.0	0.124					
									75	9.71	33.69		26.000	201.7	0.179					
									100	9.56	33.90		26.188	183.8	0.227					
									125	9.21	33.97		26.300	173.2	0.273					
									150	8.98	34.04		26.391	164.5	0.315					
									200	8.42	34.10		26.526	151.7	0.396					
									250	7.85	34.11		26.619	142.9	0.472					
									300	7.41	34.13		26.698	135.4	0.544					
									400	6.58	34.14		26.821	123.8	0.678					
									500	5.76	34.17		26.949	111.5	0.802					
									600	5.25	34.23		27.058	101.2	0.915					
									700	4.89	34.33		27.179	89.7	1.018					
									800	4.60	34.39		27.259	82.1	1.112					
									1000	3.92	34.47		27.395	69.2	1.280					

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201											B0070
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 49.0N	121 51.5W	1/19/72	1146	GMT		1737M	320	15KT	2								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
									0	11.28	33.59		25.649	235.0	0.000		
									10	11.28	33.60		25.657	234.3	0.023		
									20	11.29	33.60		25.655	234.4	0.047		
									30	11.27	33.59		25.651	234.8	0.070		
									50	11.22	33.61		25.676	232.5	0.117		
									75	10.47	33.69		25.371	213.9	0.174		
									100	9.14	33.84		26.210	181.7	0.223		
									125	8.95	33.94		26.318	171.5	0.268		
									150	8.88	34.01		26.384	165.2	0.311		
									200	7.97	34.03		26.539	150.5	0.391		
									250	7.82	34.13		26.639	141.0	0.466		
									300	7.59	34.16		26.696	135.6	0.538		
									400	6.09	34.15		26.892	117.0	0.669		
									500	5.53	34.21		27.009	105.9	0.786		
									600	5.07	34.28		27.119	95.5	0.893		
									700	4.66	34.35		27.221	85.8	0.991		
									800	4.40	34.42		27.305	77.8	1.080		
									1000	3.84	34.48		27.411	67.7	1.242		

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201											B00A0
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 27.5N	122 32.5W	1/20/72	1652	GMT		3286M	320	12KT	2								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
									0	10.85	33.23		25.447	254.3	0.000		
									10	10.83	33.23		25.451	253.9	0.025		
									20	10.80	33.27		25.487	250.5	0.051		
									30	10.75	33.28		25.503	248.9	0.076		
									50	10.76	33.33		25.540	245.4	0.125		
									75	11.04	33.50		25.623	237.5	0.186		
									100	10.24	32.50		25.763	224.2	0.244		
									125	9.55	33.70		26.034	198.4	0.298		
									150	8.76	33.87		26.293	173.8	0.345		
									200	8.48	34.03		26.462	157.8	0.429		
									250	7.61	34.05		26.607	144.0	0.507		
									300	6.96	34.09		26.730	132.4	0.578		
									400	5.81	34.16		26.935	112.9	0.705		
									500	5.51	34.29		27.075	99.6	0.817		
									600	5.01	34.36		27.189	88.8	0.918		
									700	4.69	34.41		27.265	81.6	1.010		
									800	4.43	34.44		27.318	76.6	1.097		
									1000	4.06	34.47		27.381	70.6	1.261		

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201											B00B0
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 27.5N	122 32.5W	1/20/72	1751	GMT		3286M	320	12KT	2								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD		
									0	10.83	33.22	6.42	25.443	254.7	0.000		
									10	10.83	33.23	6.42	25.451	253.9	0.025		
									20	10.80	33.27	6.40	25.483	250.8	0.051		
									30	10.77	33.30	6.35	25.516	247.7	0.076		
									50	10.80	33.34	6.16	25.541	245.3	0.125		
									75	10.93	33.50	5.89	25.638	236.1	0.186		
									100	10.00	33.52	4.55	25.819	218.9	0.243		
									125	9.28	33.76	3.71	26.127	189.6	0.295		
									150	8.77	33.88	3.28	26.298	173.4	0.341		
									200	8.32	34.03	2.57	26.483	155.7	0.425		
									250	7.49	34.07	2.04	26.635	141.3	0.501		
									300	6.82	34.10	1.55	26.757	129.8	0.571		
									400	5.89	34.17	0.92	26.934	113.0	0.697		
									500	5.50	34.28	0.45	27.066	100.5	0.809		
									600	5.07	34.36	0.35	27.185	89.2	0.911		
									700	4.65	34.42	0.35	27.274	80.7	1.003		
									800	4.40	34.45	0.45	27.326	75.8	1.089		
									1000	4.02	34.48	0.57	27.390	69.7	1.251		
									1200	3.53	34.52	0.79	27.474	61.8	1.401		

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

80090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES						
33 09.0N	123 14.0W	1/20/72	2236	GMT	4231M	300	16KT	1	350 4 6						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	12.73	33.34		25.183	279.4	0.000
									10	12.68	33.36		25.208	277.0	0.028
									20	12.67	33.36		25.210	276.8	0.056
									30	12.48	33.39		25.270	271.1	0.083
									50	12.19	33.36		25.302	268.0	0.137
									75	10.83	33.34		25.536	245.8	0.202
									100	10.27	33.62		25.851	215.8	0.260
									125	9.64	33.76		26.066	195.4	0.312
									150	9.07	33.90		26.268	176.2	0.359
									200	8.35	33.98		26.442	159.6	0.445
									250	7.89	34.05		26.566	147.9	0.523
									300	7.07	34.05		26.683	136.8	0.597
									400	5.86	34.09		26.874	118.7	0.729
									500	5.23	34.13		27.029	104.0	0.846
									600	4.81	34.27		27.141	93.4	0.951
									700	4.51	34.34		27.230	85.0	1.047
									800	4.24	34.39		27.298	78.4	1.136
									1000	3.66	34.47		27.422	66.8	1.297

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

82047

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES						
34 15.0N	119 59.0W	1/19/72	1905	GMT	556M	040	3KT	2	270 2 3						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	12.14	33.53		25.443	254.6	0.000
									10	12.14	33.53		25.443	254.6	0.025
									20	11.93	33.55		25.498	249.4	0.051
									30	11.67	33.56		25.554	244.0	0.075
									50	11.01	33.64		25.737	226.7	0.123
									75	10.33	33.77		25.957	205.7	0.177
									100	9.69	33.96		26.213	181.4	0.226
									125	9.36	34.03		26.322	171.0	0.271
									150	9.30	34.05		26.348	168.6	0.314
									200	8.85	34.07		26.435	160.3	0.398
									250	8.52	34.14		26.541	150.2	0.477
									300	8.07	34.20		26.657	139.3	0.552
									400	7.09	34.23		26.822	123.6	0.689
									500	6.50	34.26		26.925	113.8	0.815

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

83040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES						
34 15.5N	119 21.5W	1/19/72	1604	GMT	22M	060	9KT	2	060 1 3						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	12.21	33.49		25.399	258.8	0.000
									10	12.21	33.49		25.399	258.8	0.026

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

83043

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES						
34 08.0N	119 34.0W	1/19/72	1300	GMT	242M	240	3KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	12.44	33.51		25.570	261.5	0.000
									10	12.43	33.51		25.572	261.4	0.026
									20	12.43	33.51		25.572	261.4	0.052
									30	12.25	33.51		25.407	258.1	0.078
									50	11.27	33.59		25.651	234.8	0.128
									75	10.75	33.64		25.783	222.3	0.185
									100	9.69	33.89		26.159	186.6	0.237
									125	9.30	33.99		26.301	173.1	0.282
									150	9.20	34.04		26.356	167.8	0.326
									200	8.76	34.11		26.481	156.0	0.408

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

83043

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES						
34 08.0N	119 34.0W	1/19/72	1341	GMT	242M	240	3KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
0	12.43	33.507	6.32	0.38	3.	0.18	1.5	261.6	0	12.43	33.507	6.32	25.570	261.6	0.000
10	12.45	33.506	6.32	0.38	3.	0.17	1.2	262.0	10	12.45	33.506	6.32	25.565	262.0	0.026
31	12.27	33.516	6.14	0.43	4.	0.22	2.2	258.0	20	12.36	33.513	6.23	25.585	260.1	0.052
42	11.98	33.535	5.69	0.63	6.	0.25	3.6	251.4	30	12.28	33.517	6.15	25.405	258.2	0.078
57	11.24	33.608	4.83	0.97	12.	0.17	12.3	233.0	50	11.57	33.575	5.20	25.584	241.2	0.128
72	11.17	33.623	4.77	1.04	13.	0.19	12.3	230.7	75	11.02	33.646	4.64	25.738	226.6	0.187
87	10.33	33.752	4.00	1.47	19.	0.06	18.3	207.1	100	9.86	33.866	3.40	26.111	191.1	0.240
107	9.68	33.919	3.13	1.74	27.	0.02	24.0	184.3	125	9.40	34.014	2.76	26.302	173.0	0.286
131	9.34	34.032	2.70	1.99	32.	0.01	26.5	170.1	150	9.10	34.054	2.57	26.381	165.4	0.329
157	9.05	34.056	2.53	2.05	35.	0.01	28.4	164.1	200	8.70	34.125	2.17	26.501	154.1	0.411
182	8.85	34.113	2.28	2.14	39.	0.03	29.1	157.1							
207	8.64	34.122	2.14	2.28	41.	0.02	30.5	153.3							

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

83055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 44.0N	120 24.0W	1/19/72	0537	GMT	796M	330	9KT	2	300	3	7				
Z	T	S	02	04	103	02	03	DT	Z	T	S	02	10T	DT	DD
									0	11.94	33.48		25.442	254.7	0.000
									10	11.94	33.50		25.458	253.2	0.025
									20	11.92	33.54		25.492	249.9	0.051
									30	11.43	33.57		25.606	259.1	0.075
									50	11.27	33.56		25.643	235.6	0.123
									75	10.19	33.79		25.997	202.0	0.178
									100	9.82	33.91		26.153	187.1	0.227
									125	9.25	34.01		26.325	170.8	0.272
									150	9.14	34.08		26.397	163.9	0.315
									200	8.72	34.11		26.487	155.4	0.396
									250	8.15	34.15		26.606	144.1	0.473
									300	7.66	34.21		26.725	132.8	0.545
									400	6.98	34.25		26.853	120.7	0.677
									500	6.11	34.25		26.968	109.7	0.799
									600	5.51	34.30		27.085	98.9	0.910

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

83060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 33.0N	120 46.5W	1/19/72	0105	GMT	1627M	330	9KT	2	300	3	7				
Z	T	S	02	04	103	02	03	DT	Z	T	S	02	10T	DT	DD
0	15.10	33.352	0.26	2.	0.01	0.0	285.5	0	13.10	33.352		25.119	285.5	0.000	
12	15.11	33.356	0.30	2.	0.00	0.1	285.4	10	13.11	33.357		25.120	285.4	0.029	
32	15.12	33.373	0.32	2.	0.02	0.3	284.3	20	13.11	33.369		25.124	284.9	0.057	
62	12.01	33.314	0.56	5.	0.05	3.9	268.2	30	13.12	33.373		25.130	284.4	0.086	
82	10.87	33.370	0.96	9.	0.00	9.2	244.2	50	12.58	33.335		25.207	277.1	0.142	
96	10.29	33.469	1.12	13.	0.00	12.6	227.3	75	11.27	33.342		25.458	253.2	0.209	
111	9.68	33.613	3.53	1.37	18.	0.00	16.6	206.9	100	10.12	33.507		25.787	221.9	0.268
141	8.89	33.899	3.35	1.60	26.	0.00	21.8	173.6	125	9.25	33.761	3.45	26.128	189.5	0.320
166	8.50	33.988	3.48	1.65	32.	0.00	22.1	161.2	150	8.74	33.944	3.40	26.353	168.1	0.366
195	7.96	34.002	2.58	1.90	38.	0.00	26.0	152.5	200	7.88	34.004	2.63	26.531	151.2	0.447
231	7.38	34.004	5.18	2.03	44.	0.00	27.1	144.3	250	7.04	34.008	2.98	26.654	139.5	0.522
300	6.24	34.031	1.99	2.51	61.	0.00	34.8	127.7	300	6.24	34.031	1.99	26.779	127.7	0.590
410	5.71	34.148	0.96	2.94	79.	0.00	37.7U	112.6	400	5.73	34.138	1.02	26.927	113.6	0.716
521	4.96	34.212	0.59	3.11	100.	0.00	43.9	99.3	500	5.10	34.202	0.63	27.053	101.7	0.829
659	4.56	34.327	0.35	3.26	114.	0.00	45.0	86.5	600	4.69	34.279	0.42	27.160	91.5	0.931
817	4.13	34.412 A	0.41	3.18	117.0	0.00	45.9	75.7	700	4.44	34.353	0.37	27.247	83.3	1.025
984	3.78	34.484 A	0.69	3.11	137.	0.00	45.7	66.8	800	4.17	34.405	0.40	27.317	76.7	1.113
1163	3.42	34.528 A	0.59	3.12	137.	0.00	45.0	60.2	1000	3.75	34.491	0.68	27.429	66.2	1.271
									1200	3.39	34.530		27.496	59.7	1.415

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

83060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 33.0N	120 46.5W	1/19/72	0210	GMT	1627M	330	9KT	2	300	3	7				
Z	T	S	02	04	103	02	03	DT	Z	T	S	02	10T	DT	DD
									0	13.05	33.34		25.120	285.4	0.000
									10	13.05	33.35		25.127	284.7	0.029
									20	13.05	33.38		25.127	284.7	0.057
									30	13.09	33.37		25.135	283.9	0.086
									50	12.51	33.35		25.233	274.6	0.142
									75	10.98	33.32		25.494	249.8	0.207
									100	9.89	33.55		25.861	214.9	0.266
									125	9.19	33.78		26.155	187.0	0.317
									150	8.84	33.93		26.328	170.6	0.362
									200	8.05	33.99		26.495	154.6	0.443
									250	7.21	33.99		26.617	143.1	0.521
									300	6.53	34.01		26.751	130.4	0.592
									400	5.71	34.13		26.924	113.9	0.718
									500	5.04	34.19		27.051	101.9	0.832
									600	4.67	34.30		27.180	89.6	0.933
									700	4.31	34.35		27.259	82.1	1.026
									800	4.18	34.42		27.329	75.6	1.112
									1000	3.78	34.48		27.417	67.2	1.270

A) THE CONDUCTIVITY RATIOS FOR THESE SAMPLES WERE DETERMINED TEN DAYS LATER THAN THE OTHER SAMPLES FOR THIS STATION.

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201						83070			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 15.0N	121 25.5W	1/18/72	1944	GMT	3800M	340	10KT	2	300	6	9				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	11.28	33.53		25.603	239.4	0.000
									10	11.28	33.53		25.603	239.4	0.024
									20	11.28	33.53		25.603	239.4	0.048
									30	11.28	33.53		25.603	239.4	0.072
									50	10.89	33.58		25.712	229.1	0.119
									75	9.75	33.79		26.071	194.9	0.172
									100	9.37	33.86		26.188	183.8	0.220
									125	9.00	33.95		26.318	171.5	0.265
									150	8.52	33.98		26.416	162.1	0.307
									200	7.83	34.01		26.544	150.0	0.387
									250	7.61	34.17		26.701	135.1	0.460
									300	7.10	34.19		26.789	126.7	0.528
									400	6.56	34.24		26.902	116.0	0.654
									500	5.59	34.23		27.010	105.1	0.771
									600	5.16	34.32		27.140	93.4	0.877
									700	4.75	34.38		27.235	84.5	0.973
									800	4.41	34.42		27.304	77.9	1.062
									1000	3.81	34.49		27.422	66.7	1.223

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201						83080			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 55.5N	122 08.0W	1/18/72	1430	GMT	4174M	310	10KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	12.29	33.37		25.291	269.1	0.000
									10	11.78	33.43		25.433	255.5	0.026
									20	11.57	33.42		25.464	252.6	0.052
									30	11.47	33.43		25.491	250.1	0.077
									50	11.19	33.48		25.580	241.6	0.126
									75	10.29	33.57		25.809	219.9	0.184
									100	9.42	33.72		26.071	194.9	0.237
									125	9.15	33.79		26.169	185.6	0.285
									150	8.75	33.89		26.310	172.2	0.330
									200	7.89	33.98		26.511	153.1	0.413
									250	7.39	34.03		26.623	142.5	0.489
									300	6.98	34.06		26.704	134.9	0.560
									400	5.94	34.11		26.880	118.1	0.691
									500	5.22	34.17		27.015	105.4	0.809
									600	4.73	34.27		27.150	92.5	0.914
									700	4.57	34.37		27.247	83.3	1.008
									800	4.42	34.44		27.319	76.5	1.096
									1000	3.81	34.49		27.422	66.7	1.256

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201						83090			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 33.5N	122 49.0W	1/18/72	0930	GMT	4183M	320	15KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	12.39	33.33		25.241	273.9	0.000
									10	12.40	33.33		25.239	274.1	0.027
									20	12.39	33.33		25.241	273.9	0.055
									30	12.40	33.33		25.239	274.1	0.082
									50	12.41	33.33		25.237	274.2	0.137
									75	11.41	33.38		25.463	252.7	0.204
									100	10.40	33.60		25.813	219.4	0.263
									125	9.53	33.74		26.068	195.2	0.315
									150	8.77	33.86		26.284	174.7	0.362
									200	7.94	33.98		26.504	153.8	0.446
									250	7.22	34.03		26.647	140.3	0.521
									300	6.79	34.07		26.737	131.7	0.591
									400	5.99	34.14		26.897	116.5	0.720
									500	5.11	34.16		27.020	104.9	0.836
									600	4.78	34.27		27.144	93.1	0.941
									700	4.41	34.35		27.248	83.2	1.036
									800	4.10	34.41		27.329	75.5	1.123
									1000	3.59	34.47		27.429	66.1	1.280

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 7201						87033			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 53.5N	118 29.0W	1/16/72	2120	GMT	116M	270	6KT	0							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	13.07	33.42		25.177	279.9	0.000
									10	12.75	33.50		25.302	268.0	0.027
									20	12.60	33.50		25.331	265.2	0.054
									30	12.43	33.49		25.357	262.8	0.081
									50	11.97	33.45		25.413	257.4	0.133

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						87040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 40.0N	118 57.5W	1/17/72	0145	GMT		796M	270	10KT	0	270	1	2				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	13.10	33.49		25.225	275.3	0.000	
									10	12.50	33.50		25.351	263.4	0.027	
									20	12.43	33.51		25.391	259.5	0.053	
									30	12.15	33.52		25.433	255.5	0.079	
									50	11.29	33.58		25.640	235.9	0.128	
									75	10.37	33.67		25.873	213.8	0.185	
									100	9.99	33.79		26.031	198.7	0.237	
									125	9.85	33.94		26.171	185.4	0.285	
									150	9.32	34.03		26.329	170.4	0.331	
									200	8.66	34.11		26.496	154.5	0.413	
									250	8.29	34.19		26.616	143.2	0.490	
									300	7.70	34.18		26.695	135.6	0.562	
									400	6.96	34.25		26.855	120.4	0.696	
									500	6.21	34.33		27.019	105.0	0.815	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						87045
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 29.5N	119 18.5W	1/17/72	0441	GMT		1645M	300	12KT	0	300						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	12.69	33.50		25.314	266.9	0.000	
									10	12.69	33.50		25.314	266.9	0.027	
									20	11.93	33.50		25.460	253.0	0.053	
									30	11.47	33.52		25.560	243.5	0.078	
									50	10.37	33.69		25.888	212.3	0.123	
									75	9.55	33.83		26.135	188.8	0.174	
									100	9.28	33.89		26.226	180.2	0.220	
									125	9.06	33.96		26.316	171.6	0.265	
									150	8.96	34.01		26.371	166.4	0.308	
									200	8.58	34.11		26.509	153.3	0.389	
									250	8.09	34.16		26.622	142.5	0.465	
									300	7.69	34.21		26.721	133.2	0.537	
									400	7.07	34.28		26.864	119.6	0.669	
									500	6.54	34.31		26.960	110.6	0.791	
									600	5.89	34.34		27.067	100.4	0.904	
									700	5.23	34.38		27.179	89.7	1.007	
									800	4.74	34.42		27.267	81.4	1.101	
									1000	4.24	34.47		27.362	72.4	1.273	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						87050
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 19.5N	119 39.0W	1/17/72	0752	GMT		75M	300	16KT	0							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	11.71	33.53		25.324	246.9	0.000	
									10	11.32	33.52		25.388	240.9	0.024	
									20	11.25	33.55		25.624	237.4	0.048	
									30	10.80	33.65		25.782	222.4	0.071	
									50	10.04	33.74		25.983	203.2	0.114	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						87055
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 10.0N	120 00.0W	1/17/72	1037	GMT		1295M	300	12KT	0							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	13.07	33.38		25.147	282.8	0.000	
									10	13.06	33.35		25.145	283.0	0.028	
									20	12.55	33.35		25.229	275.0	0.056	
									30	12.50	33.36		25.243	273.7	0.084	
									50	12.50	33.38		25.258	272.2	0.139	
									75	11.04	33.38		25.330	246.4	0.204	
									100	9.82	33.55		25.872	213.8	0.262	
									125	9.05	33.80		26.193	183.4	0.312	
									150	8.82	33.88		26.292	174.0	0.357	
									200	8.09	34.05		26.336	150.7	0.440	
									250	7.27	34.04		26.647	140.2	0.514	
									300	7.27	34.15		26.734	132.0	0.585	
									400	6.54	34.24		26.904	115.8	0.714	
									500	5.76	34.30		27.052	101.8	0.829	
									600	5.40	34.33		27.120	95.4	0.934	
									700	4.89	34.39		27.227	85.2	1.032	
									800	4.37	34.42		27.286	79.6	1.122	
									1000	4.10	34.48		27.367	73.8	1.291	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201					87060	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
33 00.0N	120 22.0W	1/17/72			1430	GMT		910M	320	13KT		O2	SIGT	DT	DD	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	15.97	33.440	6.04	0.27	1.	0.00	0.2	295.8	0	13.97	33.440	6.04	25.010	295.8	0.000	
11	15.97	33.443	5.97	0.27	1.	0.02	0.5	295.6	10	13.97	33.445	5.97	25.012	295.6	0.030	
39	13.97	33.437	5.99	0.25	0.	0.00	0.2	296.0	20	13.97	33.443	5.98	25.011	295.7	0.059	
59	13.95	33.441	6.05	0.27	0.	0.00	0.2	295.3	30	13.97	33.441	5.98	25.009	295.9	0.089	
78	11.98	33.302	5.77	0.48	3.	0.02	3.5	268.5	50	13.96	33.441	6.02	25.012	295.7	0.148	
107	10.41	33.455	5.14	0.92	9.	0.00	10.8	230.3	75	12.33	33.321	5.83	25.244	273.6	0.220	
150	9.29	33.777	4.09	1.53	20.	0.00	21.0	188.7	100	10.68	33.400	5.31	25.607	239.0	0.284	
198	8.55	33.965	3.55	1.76	29.	0.00	25.3	163.7	125	9.83	33.595	4.68	25.905	210.7	0.341	
245	7.55	34.062	3.44	1.93	41.	0.00	29.2	142.3	150	9.29	33.777	4.09	26.136	188.7	0.392	
298	7.02	34.048	2.43	2.37	51.	0.00	34.7	136.3	200	8.51	33.972	3.55	26.412	162.6	0.481	
394	6.16		2.09	2.75	56.0	0.00	40.4		250	7.49	34.064	3.35	26.635	141.4	0.559	
495	5.46	34.196	1.03	3.06	83.	0.00	43.6	106.1	300	7.00	34.050	2.42	26.692	136.0	0.631	
593	5.40	34.340	0.41	3.17	92.	0.00	45.5	94.6	400	6.11	34.102	2.03	26.851	120.8	0.764	
691	4.87	34.396	0.54	3.24	103.	0.00	46.5	84.6	500	5.46	34.205	0.98	27.013	105.5	0.883	
793	4.65	34.429	0.42	3.23	111.	0.00	45.8	79.7	600	5.36	34.346	0.41	27.136	93.8	0.989	
									700	4.84	34.406	0.53	27.244	83.9	1.085	
									800	4.64	34.430		27.287	79.6	1.175	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201					87060	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
33 00.0N	120 22.0W	1/17/72			1607	GMT		910M	320	13KT	2	O2	SIGT	DT	DD	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.97	33.45		25.018	295.1	0.000	
									10	13.97	33.45		25.018	295.1	0.030	
									20	13.97	33.45		25.018	295.1	0.059	
									30	13.97	33.45		25.018	295.1	0.089	
									50	13.97	33.45		25.018	295.1	0.148	
									75	12.33	33.33		25.252	272.8	0.219	
									100	10.92	33.38		25.551	244.4	0.284	
									125	9.70	33.64		25.963	205.2	0.341	
									150	9.21	33.85		26.206	182.1	0.390	
									200	8.38	33.98		26.438	160.1	0.477	
									250	7.48	33.98		26.571	147.5	0.556	
									300	6.96	34.05		26.698	135.4	0.629	
									400	6.10	34.13		26.875	118.6	0.761	
									500	5.65	34.27		27.042	102.8	0.877	
									600	5.23	34.35		27.156	92.0	0.981	
									700	4.83	34.39		27.234	84.6	1.077	
									800	4.45	34.42		27.300	78.3	1.166	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201					87070	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 39.5N	121 03.0W	1/17/72			2045	GMT		3545M	330	15KT	2	O2	SIGT	DT	DD	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.03	33.30		25.093	288.0	0.000	
									10	13.03	33.30		25.093	288.0	0.029	
									20	13.03	33.30		25.093	288.0	0.058	
									30	13.02	33.33		25.118	285.6	0.086	
									50	12.63	33.29		25.163	281.2	0.143	
									75	11.56	33.45		25.490	250.2	0.210	
									100	9.93	33.44		25.768	223.7	0.270	
									125	9.13	33.68		26.086	193.5	0.322	
									150	8.95	33.85		26.248	178.1	0.370	
									200	8.27	33.99		26.462	157.7	0.455	
									250	7.32	34.00		26.609	143.8	0.532	
									300	6.71	34.03		26.717	133.6	0.604	
									400	6.03	34.11		26.868	119.2	0.735	
									500	5.36	34.17		26.998	106.9	0.854	
									600	4.87	34.24		27.110	96.3	0.961	
									700	4.86	34.36		27.206	87.2	1.060	
									800	4.48	34.41		27.288	79.4	1.151	
									1000	3.98	34.48		27.397	69.1	1.317	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

87080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33° 19.5N		121° 44.0W		1/19/72		0204	GMT		3986M	320	12KT	2	330	5	4
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	12.32	33.32		25.246	273.3	0.000
									10	12.32	33.32		25.246	273.3	0.027
									20	12.32	33.33		25.254	272.6	0.055
									30	12.30	33.34		25.266	271.5	0.062
									50	12.18	33.34		25.289	269.3	0.136
									75	11.16	33.50		25.601	239.6	0.200
									100	9.67	33.63		25.960	205.5	0.256
									125	9.18	33.60		26.172	185.3	0.306
									150	8.79	33.90		26.312	172.0	0.351
									200	7.95	33.98		26.502	153.9	0.434
									250	7.19	33.99		26.619	142.8	0.510
									300	6.49	33.98		26.707	134.6	0.581
									400	5.60	34.12		26.930	113.4	0.710
									500	5.23	34.23		27.061	101.0	0.823
									600	4.88	34.32		27.172	90.4	0.924
									700	4.49	34.39		27.271	81.0	1.017
									800	4.17	34.42		27.330	75.5	1.102
									1000	3.68	34.49		27.435	65.4	1.259

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

90028

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33° 28.5N		117° 46.5W		1/16/72		0515	GMT		408M	0		0	330	5	4	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
	0	13.24	33.514	6.36	0.30	3.	0.06	0.4	276.2	0	13.24	33.514	6.36	25.216	276.2	0.000
	9	12.89	33.505	6.46	0.25	3.	0.07	0.7	270.3	10	12.88	33.507	6.46	25.280	270.2	0.027
	30	12.76	33.503	6.41	0.33	3.	0.10	0.9	268.0	20	12.82	33.506	6.43	25.291	269.1	0.054
	51	12.44	33.500	6.03	0.49	6.	0.19	1.9	262.3	30	12.76	33.503	6.41	25.303	268.0	0.081
	61	10.68	33.626	4.22	1.36	7.	0.01	13.6	222.2	50	12.47	33.501	6.06	25.357	262.6	0.134
	111	10.12	33.741	3.91	1.54	21.	0.01	17.5	204.2	75	11.05	33.594	4.58	25.694	230.8	0.197
	150	9.66	33.994	3.00	1.71	29.	0.01	23.0	178.4	100	10.25	33.698	3.96	25.915	209.8	0.252
	190	9.09	34.153	2.18	2.19	36.	0.01	26.0	157.8	125	9.94	33.833	3.60	26.072	194.8	0.303
	249	8.57	34.197	1.90	2.37	44.	0.02	28.3	146.7	150	9.66	33.994	3.00	26.245	178.4	0.351
	300	8.00	34.228	1.45	2.58	52.	0.01	30.8	136.2	200	9.08	34.156	2.17	26.465	157.5	0.436
										250	8.56	34.199	1.89	26.581	146.5	0.514
										300	8.00	34.228	1.45	26.689	136.2	0.588

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

90032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33° 21.0N		118° 01.5W		1/16/72		0226	GMT		741M	270	10KT	0	330	2	3
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
	0	13.19	33.491	6.37				276.9	0	13.19	33.491	6.37	25.208	276.9	0.000
	10	12.70	33.494	6.48				267.5	10	12.70	33.494	6.48	25.307	267.5	0.027
	41	12.13	33.509	6.09				256.0	20	12.48	33.491	6.35	25.347	263.8	0.054
	66	11.15	33.661	4.68				227.5	30	12.29	33.495	6.23	25.386	260.0	0.080
	87	10.42	33.781	3.89				206.4	50	11.80	33.558	5.61	25.528	246.5	0.131
	102	10.30	33.859	3.82				198.7	75	10.79	33.715	4.27	25.833	217.6	0.189
	117	10.15	33.964	3.51				188.1	100	10.31	33.849	3.82	26.022	199.6	0.242
	132	9.64	33.984	2.91				178.6	125	9.87	33.981	3.19	26.198	182.9	0.290
	157	9.41	34.033	2.63				171.6	150	9.44	34.018	2.66	26.299	173.2	0.336
	182	9.15	34.112	2.35				161.7	200	8.97	34.129	2.12	26.462	157.8	0.420
	207	8.87	34.126	2.00				156.5	250	8.01	34.097	1.38	26.585	146.1	0.498
	231	8.21	34.090	1.34				149.5	300	7.66	34.156	1.12	26.681	136.9	0.571
	262	7.95	34.109	1.40A				144.4	400	6.92	34.259	0.70	26.867	119.3	0.705
	297	7.68	34.150	1.14A				137.5	500	6.27	34.320	0.51	27.002	106.6	0.824
	347	7.41	34.234	0.90A				127.6							
	412	6.81	34.261	0.66A				117.7							
	485	6.37	34.311	0.48A				108.4							
	562	5.85	34.345	0.65				99.5							

A) THE OXYGEN SAMPLES FROM 262 TO 485 METERS APPEAR TO HAVE BEEN REVERSED; THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

90047

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	33 11.0N	118 22.5W		1/15/72			1712	1757	GMT	1165M	240	7KT	1	330	2	3	DD	
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD			
0	12.86	33.534		0.20	3.	0.02	0.3	267.6	0	12.86	33.534		25.307	267.6	0.000			
9	12.81	33.527	6.83	0.22	4.	0.03	0.4	267.1	10	12.81	33.529		25.312	267.1	0.027			
29	12.60	33.528		0.34	4.	0.15	1.8	263.2	20	12.74	33.528		25.326	265.8	0.053			
59	11.11	33.576		0.92	13.	0.02	11.0	233.1	30	12.56	33.529		25.360	262.5	0.080			
79	10.28	33.743		1.31	20.	0.00	15.0	206.9	50	11.62	33.545		25.550	244.4	0.131			
94	10.19	33.782		1.44	20.	0.00	15.9	202.6	75	10.41	33.712		25.897	211.4	0.188			
109	9.85	33.877		1.54	23.	0.00	18.2	190.1	100	10.06	33.819		26.040	197.9	0.240			
141	9.45	34.035		1.77	29.	0.00	21.9	172.1	125	9.63	33.966		26.427	180.1	0.288			
166	9.05	34.189		1.95	35.	0.00	24.0	160.4	150	9.30	34.067		26.359	167.5	0.332			
196	8.71	34.152		2.10	39.	0.00	25.5	152.1	200	8.65	34.157		26.533	151.0	0.413			
231	8.23	34.178		2.29	43.	0.00	27.7	143.2	250	8.06	34.197		26.655	139.5	0.488			
303	7.72	34.248		2.55	53.	0.00	30.8	130.6	300	7.73	34.246		26.742	131.2	0.558			
507A	6.26	34.368		3.06	72.	0.00	35.5	103.0	400	7.03	34.317		26.898	116.4	0.687			
606A	5.61	34.404		3.08	78.	0.00		92.3	500	6.33	34.366		27.031	103.8	0.804			
703A	5.19			3.19	87.	0.00	39.7		600	5.65	34.402		27.146	92.9	0.910			
799A	4.67	34.479		3.17	196.	0.00	44.3	76.2	700	5.20	34.459		27.245	83.5	1.006			
990A	4.16	34.518		3.22	106.	0.00	45.7	68.2	800	4.67	34.480		27.323	76.1	1.094			
1103	4.12	34.527		3.23	109.	0.00	45.5	66.9	1000	4.17	34.519		27.407	68.1	1.256			

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

90045

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	32 56.5N	118 55.0W		1/15/72			1141	GMT		1701M	280	6KT		3				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD			
0	12.14	33.440						261.2	0	12.14	33.440		25.373	261.2	0.000			
10	12.08	33.436	4.36					260.4	10	12.08	33.436		25.382	260.4	0.026			
32	11.34	33.518						241.4	20	11.81	33.462		25.451	253.8	0.052			
61	10.02	33.758						201.6	30	11.43	33.508		25.557	243.8	0.077			
82	9.61	33.832						189.6	50	10.49	33.668		25.849	216.1	0.123			
97	9.41	33.885						182.6	75	9.71	33.814		26.095	192.7	0.174			
112	9.22	33.934						176.0	100	9.37	33.897		26.215	181.2	0.222			
142	8.89	34.016						164.9	125	9.08	33.972		26.322	171.1	0.266			
167	8.55	34.087						154.6	150	8.77	34.042		26.424	161.4	0.308			
196	8.38	34.125						149.3	200	8.34	34.131		26.561	148.4	0.387			
233	8.03	34.170						140.9	250	7.92	34.190		26.670	138.0	0.461			
304	7.64	34.242						130.1	300	7.66	34.240		26.748	130.6	0.530			
414	6.83	34.302						114.9	400	6.94	34.297		26.895	116.7	0.660			
522	6.06	34.344						102.1	500	6.21	34.337		27.024	104.5	0.777			
663	5.39	34.390						90.8	600	5.67	34.371		27.119	95.4	0.884			
823	4.64	34.444						78.5	700	5.21	34.403		27.200	87.8	0.983			
990	4.07	34.491						69.1	800	4.74	34.437		27.280	80.2	1.076			
1200	3.83	34.510						65.4	1000	4.06	34.493		27.398	69.0	1.243			
									1200	3.83	34.510		27.436	65.4	1.397			

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

90053

Z	LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	32 39.0N	119 29.0W		1/15/72			0650	GMT		556M	320	7KT	0					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD			
0	13.18	33.39						284.2	0	13.18	33.39		25.132	284.2	0.000			
9	13.18	33.39	6.16					284.2	10	13.13	33.39		25.141	283.4	0.028			
26	12.21	33.37						267.7	20	12.59	33.38		25.237	274.2	0.056			
42	11.83	33.38						260.1	30	12.10	33.37		25.327	265.6	0.083			
66	11.05	33.47						239.9	50	11.60	33.41		25.449	254.0	0.136			
90	9.90	33.50						218.8	75	10.61	33.48		25.679	232.2	0.197			
124	9.07	33.79						184.4	100	9.59	33.58		25.931	208.2	0.252			
162	8.59	34.00						161.6	125	9.05	33.80		26.190	183.6	0.302			
199	8.41	34.10						151.6	150	8.70	33.95		26.362	167.3	0.346			
242	8.06	34.17						141.4	200	8.40	34.10		26.530	151.3	0.427			
326	7.15	34.22						124.9	250	7.97	34.18		26.654	139.6	0.502			
427	6.51	34.28						112.4	300	7.42	34.21		26.760	129.5	0.572			
									400	6.62	34.27		26.913	115.0	0.699			

A) CAST 11

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201							90040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 24.5N		119 57.5W		1/15/72		0228 GMT			854M	340	6KT	0	160	4	5		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	UT	DD		
1	13.77	33.405	6.19		1.	0.00	0.2	294.4	0	13.77	33.405	6.19	25.024	294.4	0.000		
10	13.67	33.410	6.26	0.19	1.	0.00	0.0	292.1	10	13.67	33.410	6.26	25.049	292.1	0.029		
30	13.64	33.411	6.20	0.18	1.	0.00	0.0	291.5	20	13.66	33.412	6.23	25.052	291.8	0.059		
40	13.64	33.413	6.18	0.16	1.	0.00	0.0	291.5	30	13.64	33.411	6.20	25.056	291.5	0.088		
51	13.62	33.409	6.15	0.18	2.	0.00	0.0	291.2	50	13.62	33.411	6.15	25.058	291.2	0.146		
65	12.90	33.356	6.19	0.23	2.	0.13	0.6	281.4	75	12.62	33.332	6.06	25.196	278.1	0.218		
81	12.42	33.320	5.95	0.34	3.	0.18	2.1	275.2	100	10.91	33.343	5.64	25.524	246.9	0.284		
100	10.91	33.343	5.64	0.66	8.	0.00	8.0	246.9	125	9.77	33.635	4.58	25.945	206.9	0.341		
124	8.80	33.621	4.64	1.08	17.	0.00	15.3	208.2	150	9.32	33.674	3.49	26.205	182.1	0.391		
145	8.41	33.848	3.59	1.45	26.	0.00	20.8	185.3	200	8.72	34.010	2.83	26.409	162.8	0.478		
175	8.96		3.25	1.62	31.	0.00	24.5		250	8.16	34.109	2.21	26.479	147.4	0.558		
206	8.67	34.033	2.73	1.77	37.	0.00	27.4	160.4	300	7.51	34.187	1.54	26.728	132.5	0.630		
235	8.41	34.080	2.43	1.94	41.	0.00	28.0	153.1	400	6.87	34.267	0.86	26.881	118.0	0.761		
274	7.75	34.153	1.85	2.40	50.	0.00	31.1	138.3	500	5.99	34.327	0.51	27.043	102.6	0.878		
334	7.29	34.217	1.23	2.61	59.	0.00	34.4	127.3									
408	6.81	34.271	0.83	2.86	70.	0.00	36.6	116.3									
480	6.12	34.314	0.52	3.09	81.	0.00	42.20	105.1									
550	5.79	34.357	0.48	3.09	86.	0.00	41.3	97.9									

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201							90070
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 06.0N		120 39.0W		1/14/72		0247 GMT			3841M	100	7KT	1	160	4	5		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	UT	DD		
1	14.32	33.44						302.8	0	14.32	33.44		24.937	302.8	0.000		
11	14.19	33.43	6.13					300.9	10	14.20	33.43		24.955	301.0	0.030		
30	14.19	33.44						300.2	20	14.19	33.44		24.960	300.6	0.060		
60	14.17	33.43						300.5	30	14.19	33.44		24.964	300.2	0.090		
80	14.16	33.43						300.3	50	14.18	33.44		24.962	300.3	0.151		
95	12.74	33.42						273.7	75	14.16	33.43		24.962	300.4	0.226		
117	11.59	33.38						255.9	100	12.32	33.40		25.311	267.2	0.298		
140	10.54	33.37						224.0	125	10.96	33.45		25.600	239.7	0.362		
165	9.66	33.75						196.5	150	10.15	33.64		25.887	212.4	0.419		
196	9.46	33.99						175.5	200	9.38	34.00		26.295	173.6	0.517		
229	8.71	34.02						161.9	250	8.43	34.06		26.491	155.0	0.601		
300	7.97	34.15						141.6	300	7.97	34.15		26.633	141.6	0.678		
411	6.65	34.18						121.7	400	6.78	34.18		26.826	123.3	0.816		
521	5.50	34.22						104.8	500	5.69	34.21		26.990	107.7	0.938		
661	4.88	34.33						89.6	600	5.09	34.28		27.118	95.6	1.046		
819	4.30	34.42						76.8	700	4.72	34.36		27.218	86.1	1.144		
985	3.84	34.48						67.7	800	4.36	34.41		27.302	78.1	1.233		
1167	3.35	34.54						58.6	1000	3.80	34.49		27.420	66.9	1.395		
									1200	3.32	34.54		27.510	58.3	1.538		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201							90080
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
31 45.5N		121 10.0W		1/14/72		1523 GMT			3584M	010	8KT	2	360	4	6		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	UT	DD		
1	13.52	33.324	6.12	0.19	2.	0.00	0.4	295.8	0	13.52	33.324	6.12	25.013	295.5	0.000		
10	13.52	33.330	6.10	0.18	2.	0.00	0.4	295.1	10	13.52	33.330	6.10	25.018	295.1	0.030		
30	13.52	33.325	6.08	0.19	2.	0.01	0.4	295.5	20	13.52	33.330	6.07	25.016	295.3	0.059		
59	12.98	33.300	6.14	0.21	2.	0.02	0.5	287.0	30	13.52	33.325	6.06	25.014	295.5	0.089		
79	12.66	33.302	6.12	0.23	2.	0.09	0.8	280.9	50	13.18	33.309	6.11	25.069	290.2	0.147		
94	11.45	33.176	5.90	0.43	5.	0.08	3.2	268.5	75	12.72	33.297	6.12	25.149	282.6	0.219		
109	10.54	33.189	5.56	0.68	8.	0.01	6.7	252.1	100	11.05	33.170	5.77	25.363	262.2	0.288		
138	9.74	33.477	4.84	1.11	16.	0.00	13.7	217.4	125	9.99	33.328	5.21	25.669	233.1	0.351		
161	9.37	33.727	3.83	1.50	23.	0.00	19.2	193.6	150	9.53	33.613	4.30	25.968	204.7	0.406		
192	8.76	33.936	3.42	1.68	29.	0.00	22.0	168.9	200	8.62	33.988	3.41	26.362	165.3	0.500		
226	8.20	33.984	3.36	1.78	35.	0.00	23.8	157.2	250	7.80	34.000	3.23	26.539	150.4	0.581		
294	7.12	34.02	2.83	2.17	50.	0.00	28.5	139.7	300	7.05	34.028	2.73	26.668	138.2	0.655		
400	6.07	34.146	1.08	2.77	71.	0.00	38.9	117.0	400	6.07	34.146	1.08	26.892	117.0	0.788		
506	5.30	34.225	0.58	3.01	89.	0.00	43.1	102.1	500	5.34	34.222	0.59	27.041	102.8	0.903		
641	4.75	34.341	0.29	3.08	103.	0.00	42.9	87.4	600	4.89	34.309	0.33	27.162	91.3	1.007		
796	4.27	34.409	0.64	3.18	115.	0.00	42.9	77.3	700	4.55	34.372	0.40	27.249	83.1	1.101		
964	3.82	34.481	0.58	3.05	125.	0.00	42.8	67.4	800	4.26	34.412	0.64	27.313	77.0	1.188		
1169	3.39	34.530	0.86	3.06	132.	0.00	42.8	59.7	1000	3.73	34.493	0.60	27.432	65.8	1.347		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						93090
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
31 25.0N		122 01.0W		1/14/72		0908 GMT		3926M	350	13KT	2	360 6 6				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
1	14.03	33.38						301.4	0	14.03	33.38		24.951	301.4	0.000	
11	14.03	33.38	6.16					301.4	10	14.03	33.38		24.951	301.4	0.030	
31	14.02	33.38						301.2	20	14.03	33.38		24.952	301.3	0.060	
61	13.72	33.36						296.8	30	14.02	33.38		24.953	301.2	0.091	
81	13.59	33.35						295.0	50	13.84	33.37		24.981	298.6	0.151	
96	13.11	33.30						289.5	75	13.63	33.35		25.010	295.8	0.225	
111	12.03	33.30						269.6	100	12.85	33.30		25.126	284.8	0.298	
141	9.95	33.33						232.1	125	10.96	33.29		25.472	251.8	0.366	
167	9.30	33.62						200.5	150	9.65	33.42		25.800	220.7	0.426	
197	8.94	33.91						173.5	200	8.89	33.92		26.315	171.8	0.526	
231	8.30	33.99						158.2	250	8.01	34.01		26.520	152.3	0.609	
302	7.28	34.04						140.3	300	7.31	34.04		26.642	140.7	0.684	
412	5.74	34.06						119.5	400	5.89	34.06		26.845	121.5	0.820	
521	4.99	34.15						104.3	500	5.08	34.13		26.998	107.0	1.940	
659	4.77	34.33						88.4	600	4.83	34.26		27.127	94.7	1.047	
817	4.18	34.42						75.6	700	4.63	34.36		27.233	84.6	1.143	
982	3.75	34.48						66.9	800	4.25	34.41		27.316	76.7	1.231	
1185	3.29	34.53						58.8	1000	3.71	34.49		27.431	65.9	1.390	
									1200	3.26	34.53		27.508	58.6	1.532	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						93027
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 55.5N		117 19.0W		1/12/72		0345 GMT										
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	13.03	33.51		25.255	272.5	0.000	
									10	12.88	33.51		25.284	269.7	0.027	
									20	12.80	33.51		25.300	268.2	0.054	
									30	12.35	33.51		25.388	259.9	0.081	
									50	11.58	33.53		25.548	244.6	0.131	
									75	10.72	33.64		25.788	221.8	0.190	
									100	10.37	33.81		25.981	203.4	0.243	
									125	10.24	33.92		26.089	193.2	0.294	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						93030
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 50.5N		117 31.0W		1/12/72		0719 GMT										
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	13.17	33.50		25.219	275.9	0.000	
									10	13.15	33.50		25.223	275.5	0.028	
									20	13.12	33.50		25.229	275.0	0.055	
									30	12.92	33.50		25.269	271.2	0.083	
									50	12.45	33.51		25.368	261.7	0.136	
									75	11.10	33.61		25.697	230.4	0.198	
									100	10.86	33.82		25.903	210.9	0.254	
									125	10.71	33.91		26.000	201.7	0.306	
									150	10.16	33.96		26.134	188.9	0.355	
									200	9.40	34.10		26.370	166.5	0.446	
									250	8.44	34.13		26.546	149.8	0.527	
									300	7.67	34.15		26.677	137.4	0.601	
									400	7.17	34.25		26.826	123.2	0.737	
									500	6.38	34.31		26.981	108.6	0.860	
									600	5.95	34.37		27.083	98.8	0.971	
									700	5.25	34.41		27.201	87.7	1.072	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 7201						93040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 30.0N		118 12.0W		1/12/72		1458 GMT		1701M	250	4KT	0	250 3 8				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD	
									0	12.93	33.38		25.174	280.2	0.000	
									10	12.93	33.38		25.174	280.2	0.028	
									20	12.78	33.50		25.296	268.6	0.056	
									30	12.76	33.50		25.300	268.2	0.082	
									50	11.90	33.50		25.465	252.5	0.135	
									75	11.07	33.55		25.656	234.4	0.196	
									100	10.17	33.62		25.868	214.2	0.252	
									125	9.62	33.87		26.155	186.9	0.303	
									150	9.40	34.02		26.308	172.4	0.349	
									200	8.45	34.10		26.521	152.2	0.432	
									250	7.94	34.14		26.629	141.9	0.507	
									300	7.33	34.18		26.749	130.5	0.577	
									400	6.78	34.28		26.904	115.9	0.706	
									500	6.03	34.35		27.057	101.3	0.821	
									600	5.53	34.37		27.135	93.9	0.926	
									700	5.15	34.42		27.220	85.8	1.023	
									800	4.69	34.46		27.305	77.8	1.113	
									1000	4.08	34.51		27.410	67.8	1.277	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

93050

LATITUDE		LONGITUDE		MO/DAT/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
32 10.0N		118 53.5W		1/12/72		2201 GMT			1479M		320		23KT		1		320 5 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD				
									0	12.97	33.48		25.244	273.6	0.000				
									10	12.88	33.48		25.261	271.9	0.027				
									20	12.86	33.48		25.265	271.5	0.054				
									30	12.84	33.49		25.277	270.4	0.082				
									50	12.70	33.51		25.320	266.3	0.136				
									75	11.82	33.60		25.619	237.8	0.199				
									100	10.55	33.64		25.973	204.2	0.255				
									125	9.97	33.94		26.151	187.3	0.304				
									150	9.56	34.02		26.282	174.9	0.350				
									200	8.93	34.17		26.501	154.1	0.434				
									250	8.46	34.21		26.605	144.1	0.511				
									300	8.00	34.23		26.691	136.1	0.583				
									400	7.02	34.28		26.871	119.0	0.716				
									500	6.19	34.33		27.021	104.7	0.835				
									600	5.74	34.37		27.110	96.5	0.943				
									700	5.20	34.42		27.214	86.4	1.042				
									800	4.79	34.45		27.286	79.7	1.134				
									1000	4.11	34.50		27.399	68.9	1.300				

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

93060

LATITUDE		LONGITUDE		MO/DAT/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
31 56.0N		119 34.0W		1/13/72		0600 GMT			2790M		330		18KT		1		310 10 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD				
1	12.64	33.450	6.42	0.30	5.	0.18	1.7	269.6	0	12.64	33.450	6.42	25.285	269.6	0.000				
11	12.63	33.450	6.28	0.30	5.	0.15	1.9	269.5	10	12.63	33.452	6.29	25.287	269.5	0.027				
30	12.64	33.452	6.25	0.36	4.	0.15	1.9	269.5	20	12.63	33.453	6.27	25.287	269.5	0.054				
59	10.91	33.455	5.38	0.90	11.	0.09	9.4	238.6	30	12.64	33.452	6.25	25.287	269.5	0.081				
79	10.25	33.562	4.64	1.20	15.	0.08	13.9	218.0	50	11.51	33.441	5.72	25.490	250.2	0.133				
95	9.94	33.673	4.24	1.37	15.	0.03	17.2	206.8	75	10.34	33.555	4.78	25.788	221.8	0.192				
109	9.63	33.792	3.84	1.57	23.	0.04	19.2	192.9	100	9.83	33.717	4.09	26.000	201.7	0.246				
139	9.19	33.915	3.49	1.74	27.	0.05	22.4	177.0	125	9.38	33.674	3.60	26.197	183.0	0.294				
163	8.85	33.974	3.35	1.84	31.	0.03	24.3	167.4	150	9.04	33.947	3.42	26.309	172.3	0.340				
193	8.37	34.014	3.16	1.94	36.	0.04	26.3	157.4	200	8.27	34.020	3.12	26.485	155.6	0.423				
228	7.88	34.031	2.97	2.05	41.	0.03	28.1	148.9	250	7.48	34.037	2.85	26.615	143.3	0.500				
297	6.71	34.051	2.52	2.48	55.	0.00	33.9	132.1	300	6.67	34.054	2.48	26.739	131.5	0.571				
407	5.79	34.143	1.15	2.86	74.	0.00	39.2	113.7	400	5.83	34.137	1.24	26.914	114.8	0.698				
516	5.27	34.256	0.56	3.10	88.	0.00	45.70	99.5	500	5.33	34.240	0.61	27.057	101.3	0.812				
659	3.02	34.379	0.47	3.14	100.	0.03	45.8	87.5	600	5.11	34.337	0.51	27.159	91.7	0.915				
813	4.43	34.446	0.55	3.23	112.	0.00	44.5	76.2	700	4.66	34.404	0.48	27.200	84.0	1.010				
977	3.96	34.494	0.75	3.23	123.	0.00	43.2	67.6	800	4.48	34.443	0.54	27.314	77.0	1.098				
1178	3.44	34.532	0.98	2.95	130.	0.03	43.1	60.0	1000	3.69	34.500	0.78	27.422	66.8	1.259				
									1200	3.40	34.535		27.499	59.4	1.403				

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

93070

LATITUDE		LONGITUDE		MO/DAT/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
31 29.5N		120 15.0W		1/14/72		1335 GMT			3737M		330		18KT		0		330 6 6		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD				
1	14.27	33.431						302.4	0	14.27	33.431		24.940	302.4	0.000				
12	14.29	33.431	5.86					302.6	10	14.29	33.433		24.937	302.8	0.030				
32	14.30	33.428						303.3	20	14.29	33.431		24.934	303.1	0.061				
61	14.28	33.429						302.8	30	14.30	33.430		24.932	303.2	0.091				
81	14.29	33.428						303.1	50	14.29	33.430		24.935	303.0	0.152				
96	14.15	33.420						300.8	75	14.29	33.430		24.935	303.0	0.228				
111	12.06	33.296						270.4	100	13.64	33.381		25.030	293.9	0.303				
141	10.74	33.616						223.7	125	11.19	33.420		25.533	246.0	0.371				
165	9.87	33.711						202.7	150	10.38	33.658		25.860	215.0	0.430				
195	9.16	33.908						177.2	200	9.06	33.924		26.288	174.3	0.529				
228	8.52	33.976						162.4	250	8.13	33.992		26.484	155.7	0.613				
298	7.37	33.998						144.6	300	7.34	34.001		26.605	144.2	0.691				
408	6.15	34.067						122.4	400	6.22	34.081		26.821	123.8	0.830				
517	5.54	34.174						108.7	500	5.61	34.162		26.960	110.5	0.953				
654	4.91	34.299						92.3	600	5.14	34.252		27.088	98.4	1.064				
811	4.33	34.392						74.2	700	4.72	34.331		27.199	87.9	1.164				
975	3.93	34.460						70.1	800	4.37	34.388		27.282	79.9	1.255				
1171	3.44	34.506						62.0	1000	3.88	34.469		27.400	68.8	1.421				
									1200	3.48	34.508		27.480	61.2	1.569				

## RV ALLXANDER AGASSIZ

## CALCOFI CRUISE 7201

93080

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	S10T	DT	DD												
31	11.5N	120 54.0W	1/13/72	1940	GMT	4116M	360	19KT	2	360 6 4																	
0	14.04	33.414						299.1	0	14.04	33.414		24.976	299.1	0.000												
11	14.05	33.414	6.05					299.3	10	14.05	33.416		24.973	299.3	0.030												
31	14.05	33.414						298.9	20	14.04	33.416		24.975	299.1	0.060												
61	13.94	33.422						296.5	30	14.05	33.416		24.977	298.9	0.090												
81	13.88	33.416						295.8	50	13.98	33.422		24.993	297.4	0.150												
96	13.32	33.415						285.0	75	13.90	33.420		25.008	296.0	0.224												
112	12.13	33.413						263.0	100	13.04	33.412		25.175	280.1	0.297												
141	10.34	33.593						219.0	125	11.21	33.473		25.571	242.5	0.363												
167	9.99	33.840						195.0	150	10.16	33.683		25.917	209.6	0.420												
197	9.32	33.984						173.8	200	9.27	33.993		26.307	172.5	0.517												
232	8.87	34.056						161.6	250	8.76	34.112		26.482	155.9	0.602												
302	8.48	34.255						141.1	300	8.49	34.251		26.632	141.6	0.679												
413	7.07	34.297						118.4	400	7.25	34.301		26.855	120.5	0.816												
523	6.15	34.322						104.1	500	6.31	34.326		27.002	106.6	0.936												
662	5.41	34.364						91.5	600	5.71	34.362		27.107	96.6	1.045												
821	4.65	34.455						79.3	700	5.22	34.398		27.194	88.3	1.145												
988	4.01	34.474						69.8	800	4.74	34.429		27.274	80.7	1.238												
1196	3.55	34.526						61.5	1000	3.98	34.481		27.397	69.2	1.406												
									1200	3.54	34.526		27.478	61.4	1.555												

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

93090

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	S10T	DT	DD												
30	51.5N	121 34.5W	1/14/72	0205	GMT	3926M	340	15KT	2	360 10 7																	
1	13.78	33.413						294.1	0	13.78	33.413		25.028	294.1	0.000												
12	13.76	33.412	6.03					293.7	10	13.76	33.414		25.031	293.8	0.029												
30	13.75	33.413						293.5	20	13.75	33.414		25.033	293.6	0.059												
59	13.75	33.414						293.4	30	13.75	33.413		25.035	293.5	0.088												
78	13.76	33.416						293.4	50	13.75	33.416		25.035	293.4	0.147												
93	13.76	33.411						293.3	75	13.76	33.418		25.035	293.4	0.221												
107	12.62	33.358						276.0	100	13.24	33.383		25.113	286.0	0.294												
135	11.16	33.475						241.4	125	11.58	33.416		25.458	253.2	0.362												
159	10.40	33.614						218.4	150	10.65	33.557		25.735	226.9	0.423												
187	9.70	33.878						187.6	200	9.39	33.949		26.253	177.6	0.526												
221	8.97	34.026						165.4	250	8.72	34.120		26.494	154.7	0.611												
286	8.52	34.191						146.4	300	8.31	34.193		26.615	143.2	0.688												
391	6.90	34.170						125.6	400	6.83	34.181		26.819	123.9	0.827												
493	6.30	34.303						108.1	500	6.26	34.309		26.995	107.2	0.949												
624	5.5 A	34.368						93.7	600	5.64	34.362		27.114	95.9	1.058												
775	4.73	34.423						81.0	700	5.08	34.398		27.210	86.8	1.157												
939	4.21	34.475						71.7	800	4.64	34.432		27.288	79.4	1.248												
1137	3.6 A	34.517						62.7	1000	4.02	34.491		27.401	68.7	1.414												

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

93030

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	S10T	DT	DD												
32	47.0N	117 29.0W	1/11/72	2109	GMT	781M	310	10KT	5	310 3 5																	
08	13.24	33.48						278.7	0	13.24	33.48		25.190	278.7	0.000												
9	12.94	33.47						273.8	10	12.93	33.47		25.243	273.7	0.028												
30	12.82	33.47						271.5	20	12.88	33.47		25.254	272.6	0.055												
40	12.76	33.48						269.7	30	12.82	33.47		25.265	271.5	0.082												
50	12.28	33.47						261.6	50	12.28	33.47		25.370	261.6	0.136												
64	11.82	33.51						250.4	75	11.23	33.56		25.635	236.4	0.198												
79	11.02	33.58						231.3	100	10.45	33.66		25.852	215.7	0.255												
98	10.48	33.65						217.1	125	10.21	33.83		26.024	199.3	0.308												
122	10.24	33.81						201.3	150	9.94	33.96		26.167	185.8	0.357												
142	10.04	33.93						189.2	200	9.27	34.09		26.381	165.4	0.446												
172	9.64	34.00						177.6	250	8.95	34.19		26.511	153.1	0.528												
201	9.26	34.09						165.0	300	8.16	34.18		26.626	142.2	0.604												
230	9.09	34.15						158.0	400	6.94	34.19		26.808	125.0	0.744												
271	8.73	34.21						148.1	500	6.30	34.31		26.991	107.6	0.866												
328	7.59	34.14						137.1																			
403	6.93	34.19						124.5																			
477	6.54	34.29						112.1																			
560	6.00	34.33						102.4																			

A) TEMPERATURE INFERRED FROM PRESSURE THERMOMETER AND WIRE DEPTH.  
 B) A SHAKEDOWN STATION.

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7201

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7201										
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 47.00N	117 29.00W	1/11/72	2352 GM		781M	510	PKT	5	310 3 5					
Z	T	S	O2	P04 S103	N02 N03	DT	Z	T	S	O2	SIGT	DT	DD	
0A	13.16	33.47									25.198	277.9	0.000	
10	12.95	33.47									25.240	274.0	0.028	
20	12.90	33.47									25.250	273.0	0.055	
30	12.79	33.46									25.264	271.7	0.062	
50	12.07	33.47									25.410	257.8	0.135	
75	11.24	33.53									25.610	238.7	0.198	
100	10.45	33.64									25.835	217.3	0.255	
125	10.27	33.78									25.975	204.0	0.309	
150	9.80	33.67									26.125	189.8	0.359	
200	9.34	34.04									26.333	170.0	0.450	
250	8.90	34.14									26.482	159.9	0.534	
300	8.11	34.15									26.612	143.6	0.611	
400	6.83	34.16									26.803	125.5	0.751	
500	6.22	34.26									26.962	110.3	0.876	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7201

RV ALEXANDER AGASSIZ				CALCOFI CRUISE 7201										
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 47.00N	117 29.00W	1/12/72	0115 GM		781M	320	PKT		310 3 5					
Z	T	S	O2	P04 S103	N02 N03	DT	Z	T	S	O2	SIGT	DT	DD	
0A	13.17	33.490	0.36								25.211	276.6	0.000	
10	13.11	33.484	0.50								25.219	275.9	0.028	
31	12.92	33.493	6.20								25.232	274.7	0.055	
41	12.63	33.486	6.24								25.260	272.0	0.083	
51	12.15	33.479	5.62								25.392	259.5	0.136	
67	11.37	33.494	5.37								25.640	235.9	0.198	
82	10.92	33.586	4.64								25.886	212.5	0.255	
102	10.53	33.744	4.33								25.989	202.7	0.307	
128	10.27	33.807	3.71								26.105	191.7	0.357	
148	10.15	33.907	3.11								26.349	168.5	0.449	
178	9.83	34.036	2.96								26.511	153.1	0.532	
209	9.52	34.105	2.69								26.626	142.2	0.608	
239	9.02	34.164	2.21								26.828	123.1	0.746	
279	8.71	34.227	1.99								26.990	107.7	0.868	
359	7.59	34.173	1.71											
414	6.72	34.206	1.26											
487	6.29	34.274	0.70											
569	6.51	34.331	0.52											

RV DAVID STARBUCK CALCOFI CRUISE 7201

RV DAVID STARBUCK				CALCOFI CRUISE 7201										
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 42.50N	117 27.00W	1/ 3/72	2149 GM		781M		PKT	0	150 3 5					
Z	T	S	O2	P04 S103	N02 N03	DT	Z	T	S	O2	SIGT	DT	DD	
0A	13.41	33.470									25.148	282.7	0.000	
10	13.34	33.469	6.67								25.161	281.4	0.028	
31	13.32	33.479	6.42								25.170	280.6	0.056	
41	13.31	33.473	6.43								25.173	280.3	0.085	
51	12.76	33.461	5.99								25.257	272.3	0.140	
66	11.17	33.380	5.28								25.645	235.4	0.204	
82	10.77	33.586	4.68								25.851	215.8	0.261	
102	10.44	33.669	4.27								26.044	197.5	0.313	
127	10.11	33.851	3.44								26.138	186.5	0.362	
146	10.01	33.906	3.26								26.355	168.0	0.453	
176	9.67	34.035	2.76								26.495	154.7	0.536	
205	9.17	34.049	2.94								26.637	141.2	0.612	
234	8.89	34.086	2.68								26.807	125.0	0.751	
273	8.80	34.236	1.66								26.960	110.5	0.876	
351	8.13		1.15											
403	7.32	34.257	0.94											
477	6.62	34.279												
556	6.04	34.337	0.56											

AT A SHAKEOWN STATION.

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

97032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 11.5N		117 15.5W		1/ 4/72		0908 GM1			1479M	090	28KT	0	100	8	5
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SI6T	DT	DD
									0	13.50	33.44		25.106	286.6	0.000
									10	13.43	33.46		25.136	283.8	0.029
									20	13.03	33.48		25.232	274.7	0.057
									30	12.83	33.48		25.271	271.0	0.084
									50	12.38	33.49		25.366	261.9	0.137
									75	11.33	33.61		25.656	234.4	0.200
									100	10.77	33.83		25.927	208.6	0.256
									125	10.66	34.04		26.109	191.2	0.306
									150	10.32	34.12		26.231	179.7	0.353
									200	9.73	34.30		26.472	156.8	0.439
									250	9.44	34.32		26.535	150.8	0.518
									300	8.49	34.28		26.656	139.4	0.594
									400	7.35	34.26		26.809	124.9	0.732
									500	6.42	34.30		26.967	109.8	0.856
									600	5.79	34.36		27.096	97.7	0.967
									700	5.17	34.41		27.210	86.8	1.067
									800	4.73	34.45		27.292	79.0	1.159
									1000	4.10	34.50		27.400	68.8	1.324

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

97032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 11.5N		117 15.5W		1/ 4/72		1012 GM1			1479M	090	28KT	0	100	8	5
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SI6T	DT	DD
	0	13.43	33.464					283.5	0	13.43	33.464		25.139	283.5	0.000
	9	13.42	33.464		6.24			283.3	10	13.40	33.466	6.25	25.145	282.9	0.028
	29	12.91	33.474		6.37			272.9	20	13.17	33.471	6.31	25.195	278.3	0.056
	54	12.45	33.473		5.99			264.5	30	12.91	33.477	6.35	25.252	272.8	0.084
	68	11.37	33.429		5.11			248.4	50	12.58	33.480	6.05	25.318	266.5	0.138
	82	10.95	33.625		4.17			226.9	75	11.10	33.516	4.63	25.623	237.5	0.202
	96	10.84	33.781		3.42			213.4	100	10.82	33.820	3.26	25.908	210.4	0.258
	125	10.68	33.998		2.58			194.7	125	10.68	33.998	2.58	26.073	194.7	0.309
	149	10.30	34.096		2.32			181.1	150	10.29	34.101	2.30	26.221	180.6	0.357
	173	10.06	34.193		1.91			170.1	200	9.78	34.265	1.55	26.435	160.3	0.444
	206	9.72	34.275		1.50			158.5	250	9.45	34.305	1.62	26.522	152.1	0.524
	268	9.32	34.301	A	1.67			150.3	300	8.78	34.291	1.46	26.618	142.9	0.601
	363	7.62	34.269		0.93			127.9	400	7.19	34.271	0.80	26.840	121.9	0.739
	457	6.67	34.280		0.68			114.5	500	6.35	34.292	0.58	26.970	109.6	0.862
	584	5.84	34.321		0.42			101.2	600	5.74	34.329	0.41	27.076	99.5	0.974
	731	5.03	34.392		0.37			86.6	700	5.18	34.377	0.38	27.182	89.5	1.076
	874	4.48	34.450		0.51			76.4	800	4.74	34.423	0.43	27.269	81.3	1.170
	1082	3.85	34.500		0.67			66.3	1000	4.07	34.486	0.61	27.392	69.6	1.338

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

97035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 05.5N		117 27.5W		1/ 4/72		1232 GM1			1295M	150	20KT	0	100	8	5
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SI6T	DT	DD
									0	13.06	33.43		25.187	279.0	0.000
									10	13.07	33.46		25.208	277.0	0.028
									20	13.04	33.45		25.206	277.1	0.056
									30	13.05	33.47		25.220	275.8	0.083
									50	12.51	33.49		25.341	264.3	0.137
									75	11.03	33.57		25.679	232.2	0.200
									100	10.84	33.78		25.876	213.5	0.256
									125	10.47	33.95		26.073	194.7	0.308
									150	9.86	34.02		26.232	179.6	0.355
									200	9.38	34.18		26.436	160.2	0.442
									250	8.47	34.19		26.588	145.8	0.521
									300	8.06	34.23		26.682	136.9	0.594
									400	7.01	34.29		26.880	118.1	0.727
									500	6.12	34.33		27.030	103.9	0.844
									600	5.68	34.38		27.125	94.9	0.951
									700	5.21	34.42		27.213	86.5	1.050
									800	4.67	34.46		27.307	77.6	1.140
									1000	3.96	34.51		27.423	66.6	1.302

A) DATA FROM THE STD CONFIRMS AN ERROR OF -0.02 (0.039) IN CONDUCTIVITY RATIO FOR THIS SAMPLE.

RV DAVID STARR JORDAN

CALCOFT CRUISE 7201

97040

LATITUDE		LONGITUDE		MO/DAT/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
31 56.0N		117 48.0W		1/ 4/72		1540 GMT			1295M		090		20KT		0		100 8 5		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD				
									0	13.26	33.40		25.124	285.0	0.000				
									10	13.26	33.41		25.132	284.2	0.028				
									20	13.26	33.41		25.132	284.2	0.057				
									30	13.22	33.41		25.140	283.5	0.085				
									50	11.63	33.36		25.407	258.1	0.140				
									75	10.91	33.48		25.630	236.8	0.202				
									100	10.15	33.60		25.856	215.4	0.259				
									125	9.94	33.91		26.133	189.1	0.310				
									150	9.65	34.03		26.275	175.6	0.356				
									200	8.95	34.09		26.435	160.3	0.442				
									250	8.37	34.20		26.611	143.6	0.520				
									300	7.77	34.22		26.717	133.6	0.592				
									400	6.74	34.29		26.917	114.6	0.721				
									500	6.14	34.33		27.028	104.1	0.837				
									600	5.75	34.37		27.108	96.4	0.945				
									700	5.19	34.41		27.208	87.0	1.044				
									800	4.69	34.44		27.289	79.3	1.136				
									1000	3.98	34.50		27.413	67.6	1.300				

RV DAVID STARR JORDAN

CALCOFT CRUISE 7201

97040

LATITUDE		LONGITUDE		MO/DAT/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
31 56.0N		117 48.0W		1/ 4/72		1729 GMT			1018M		090		20KT		0		110 8 5		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD				
	1	13.16	33.420	6.17		2.	0.07	0.5	282.0	0	13.18	33.420	6.17	25.155	282.0	0.000			
	11	13.16	33.419	6.16		2.	0.07	0.0	281.7	10	13.16	33.421	6.16	25.158	281.7	0.028			
	31	13.06	33.408	6.14		2.	0.14	1.2	280.6	20	13.12	33.416	6.15	25.164	281.2	0.056			
	40	12.65	33.385	5.80		4.	0.08	3.1	274.6	30	13.07	33.411	6.14	25.170	280.6	0.085			
	55	11.62	33.360	5.35		7.	0.07	7.5	257.9	50	11.97	33.363	5.49	25.344	264.0	0.139			
	69	10.91	33.431	5.03		10.	0.05	11.2	240.4	75	10.74	33.445	4.96	25.632	236.6	0.202			
	93	10.47	33.491	4.73		13.	0.04	13.8	228.7	100	10.43	33.540	4.57	25.759	224.6	0.260			
	112	10.39	33.648	4.16		17.	0.03	15.8	215.7	125	10.28	33.822	3.43	26.005	201.2	0.314			
	130	10.22	33.883	3.17		24.	0.01	21.4	195.4	150	9.79	33.992	2.87	26.220	180.7	0.363			
	149	9.81	33.987	2.68		28.	0.02	23.7	181.3	200	9.00	34.118	2.37	26.448	159.1	0.449			
	176	9.37	34.060	2.61		31.	0.01	25.9	169.0	250	8.31	34.170	1.90	26.597	145.0	0.527			
	206	8.91	34.129	2.31		37.	0.01	27.9	156.5	300	7.82	34.202	1.44	26.695	135.7	0.600			
	234	8.48	34.157			43.	0.00	29.7	144.4	400	6.86	34.255	0.66	26.872	118.8	0.733			
	277	8.06	34.187	1.65		48.	0.00	31.8	140.1	500	6.08	34.318	0.39	27.025	104.4	0.851			
	325	7.56	34.215	1.22		55.	0.00	34.8	131.1										
	397	6.89	34.252	0.67		66.	0.02	37.3	119.4										
	471	6.24	34.303	0.45		76.	0.00	40.4	107.3										
	546	5.95	34.332	0.34		84.	0.02	41.1	101.7										

RV DAVID STARR JORDAN

CALCOFT CRUISE 7201

97040

LATITUDE		LONGITUDE		MO/DAT/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
31 56.0N		118 30.5W		1/ 5/72		0000 GMT			2602M		350		11KT		0		050 2 5		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	UT	DD				
									0	13.07	33.48		25.224	275.5	0.000				
									10	13.07	33.49		25.231	274.8	0.028				
									20	13.07	33.49		25.231	274.8	0.055				
									30	13.03	33.49		25.239	274.0	0.083				
									50	12.80	33.50		25.292	268.9	0.137				
									75	10.65	33.57		25.746	225.8	0.199				
									100	9.71	33.75		26.046	197.2	0.253				
									125	9.34	33.91		26.232	179.6	0.300				
									150	9.08	34.04		26.375	166.0	0.344				
									200	8.64	34.15		26.531	151.3	0.425				
									250	8.15	34.23		26.668	138.2	0.499				
									300	7.51	34.23		26.762	129.3	0.569				
									400	6.66	34.29		26.928	113.6	0.695				
									500	5.88	34.34		27.069	100.2	0.809				
									600	5.24	34.37		27.166	91.0	0.911				
									700	4.92	34.42		27.247	83.3	1.006				
									800	4.55	34.45		27.312	77.1	1.094				
									1000	4.02	34.50		27.409	68.0	1.256				



## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

97060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 15.5N	119 10.0W	1/ 5/72	0945	GMT	3832M	050	6KT								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.42	33.38		24.870	309.2	0.000
									10	14.43	33.39		24.875	308.6	0.031
									20	14.44	33.40		24.881	308.1	0.062
									30	14.44	33.40		24.881	308.1	0.093
									50	14.44	33.40		24.881	308.1	0.155
									75	14.38	33.40		24.894	306.9	0.232
									100	11.81	33.21		25.258	272.3	0.305
									125	10.11	33.38		25.691	231.0	0.368
									150	9.51	33.64		25.994	202.3	0.423
									200	8.52	33.96		26.401	163.6	0.516
									250	7.81	34.02		26.554	149.0	0.596
									300	7.08	34.05		26.682	136.9	0.670
									400	6.03	34.10		26.860	120.0	0.803
									500	5.92	34.30		27.032	103.7	0.921
									600	5.48	34.36		27.134	94.1	1.027
									700	5.00	34.42		27.238	84.2	1.124
									800	4.60	34.44		27.299	78.4	1.213
									1000	3.97	34.50		27.414	67.5	1.376

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

97060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 15.5N	119 10.0W	1/ 5/72	1047	GMT	3832M	050	6KT								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.43	33.405	5.94	24.887	307.5	0.000
									10	14.42	33.404	5.94	24.888	307.4	0.031
									20	14.42	33.404	5.94	24.888	307.5	0.062
									30	14.41	33.399	5.95	24.886	307.6	0.092
									50	14.43	33.405	5.96	24.887	307.5	0.154
									75	13.84	33.333	5.91	24.952	301.4	0.231
									100	11.34	33.227	5.59	25.357	262.8	0.302
									125	10.17	33.384	5.08	25.683	231.8	0.364
									150	9.40	33.661	4.37	26.027	199.1	0.419
									200	8.63	33.928	3.33	26.358	167.7	0.512
									250	7.79	34.009	2.80	26.547	149.7	0.593
									300	7.08	34.032	2.24	26.666	138.3	0.667
									400	6.20	34.128	1.31	26.860	120.0	0.802
									500	6.05	34.287	0.53	27.005	106.3	0.921
									600	5.53	34.344	0.38	27.115	95.8	1.029
									700	5.07	34.394	0.35	27.208	87.0	1.128
									800	4.66	34.433	0.38	27.286	79.6	1.220
									1000	3.98	34.487	0.62	27.401	68.7	1.385

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

97070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 55.0N	119 50.5W	1/ 5/72	1545	GMT	3737M	240	8KT	0				050	3	7	
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.29	33.38		24.897	306.6	0.000
									10	14.27	33.40		24.917	304.7	0.031
									20	14.26	33.40		24.919	304.5	0.061
									30	14.26	33.40		24.919	304.5	0.092
									50	14.28	33.41		24.922	304.2	0.153
									75	14.28	33.41		24.922	304.2	0.229
									100	13.13	33.35		25.111	286.2	0.304
									125	11.74	33.34		25.371	261.5	0.373
									150	10.62	33.52		25.713	229.0	0.435
									200	9.45	33.85		26.167	185.8	0.540
									250	8.63	34.09		26.485	155.6	0.628
									300	7.93	34.11		26.607	144.0	0.705
									400	7.26	34.25		26.814	124.4	0.845
									500	5.94	34.24		26.982	108.4	0.968
									600	5.22	34.28		27.101	97.1	1.077
									700	5.01	34.40		27.221	85.8	1.176
									800	4.47	34.42		27.297	78.5	1.266
									1000	3.99	34.49		27.404	68.4	1.430

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 97080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 34.5N	120 31.5W	1/ 5/72	0223	GMT	3926M	340	11KT	0	350	4	5				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	14.50	33.45		24.907	305.7	0.000
									10	14.43	33.45		24.921	304.3	0.031
									20	14.41	33.45		24.926	303.9	0.061
									30	14.41	33.45		24.926	303.9	0.091
									50	14.41	33.45		24.926	303.9	0.152
									75	12.59	33.30		25.217	276.1	0.225
									100	11.28	33.42		25.518	247.5	0.291
									125	10.57	33.68		25.846	216.3	0.350
									150	9.90	32.76		26.023	199.5	0.403
									200	8.79	33.98		26.374	166.1	0.496
									250	7.76	34.01		26.551	149.3	0.576
									300	7.39	34.10		26.678	137.3	0.650
									400	6.97	34.26		26.862	119.8	0.784
									500	6.24	34.31		26.999	106.8	0.904
									600	5.62	34.37		27.124	94.9	1.012
									700	5.00	34.40		27.222	85.7	1.110
									800	4.64	34.45		27.302	78.1	1.200
									1000	3.98	34.49		27.405	68.3	1.364

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 97090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 15.5N	121 10.5W	1/ 6/72	0224	GMT	3737M	240	8KT	0							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	14.07	33.38		24.943	302.2	0.000
									10	14.07	33.40		24.959	300.7	0.030
									20	14.04	33.40		24.965	300.1	0.060
									30	14.01	33.41		24.979	298.8	0.090
									50	14.01	33.41		24.979	298.8	0.150
									75	14.02	33.41		24.977	299.0	0.225
									100	11.79	33.29		25.323	266.0	0.297
									125	10.99	33.45		25.593	240.4	0.360
									150	10.09	33.60		25.866	214.4	0.418
									200	9.12	33.96		26.306	172.5	0.516
									250	8.16	33.98		26.471	156.9	0.601
									300	7.36	34.03		26.627	142.1	0.678
									400	6.27	34.12		26.845	121.4	0.815
									500	5.54	34.21		27.008	106.0	0.934
									600	5.19	34.32		27.137	93.8	1.041
									700	4.77	34.39		27.240	83.9	1.137
									800	4.43	34.44		27.318	76.6	1.225
									1000	3.85	34.50		27.426	66.3	1.385

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 100029

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 42.0N	116 43.5W	1/22/72	0501	GMT	32M	300	12KT	2	300	3	4				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	12.92	33.50		25.269	271.2	0.000
									10	12.72	33.48		25.293	268.9	0.027
									20	12.48	33.51		25.362	262.3	0.054
									30	12.27	33.55		25.434	255.5	0.080
									50	11.52	33.66		25.660	234.0	0.129
									75	11.22	33.78		25.808	220.0	0.186

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 100030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 40.5N	116 46.6W	1/22/72	0303	GMT	414M	320	2KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	12.95	33.46		25.232	274.7	0.000
									10	12.88	33.45		25.236	274.1	0.027
									20	12.64	33.47		25.301	268.2	0.055
									30	12.36	33.46		25.347	263.8	0.081
									50	11.67	33.58		25.570	242.5	0.132
									75	11.06	33.75		25.813	219.4	0.190
									100	10.73	33.87		25.965	205.0	0.244
									125	10.38	34.01		26.135	188.8	0.294
									150	9.97	34.08		26.260	177.0	0.340
									200	9.54	34.22		26.441	159.8	0.426
									250	9.08	34.28		26.563	148.2	0.505
									300	8.41	34.26		26.652	139.7	0.580
									400	7.15	34.29		26.861	119.9	0.715

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							100030
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
31 40.5N	116 46.5W	1/22/72	0357	GMT		414M	320	2KT									
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	12.87	33.457	6.02	0.44	3.	0.04	1.8	273.4	0	12.87	33.457	6.02	25.246	273.4	0.000		
10	12.88	33.454	6.01	0.46	3.	0.12	1.7	273.8	10	12.88	33.454	6.01	25.241	273.8	0.027		
30	12.49	33.496	5.76	0.62	6.	0.21	3.8	263.5	20	12.76	33.469	5.89	25.275	270.6	0.055		
49	11.52	33.601	4.37	1.33	13.	0.03	12.8	238.4	30	12.49	33.496	5.76	25.350	263.5	0.081		
79	11.02	33.752	3.52	1.62	19.	0.00	17.4	218.6	50	11.49	33.608	4.33	25.623	237.5	0.132		
109	10.64	33.921	2.94	1.87	24.	0.01	20.6	199.7	75	11.05	33.734	3.58	25.802	220.5	0.189		
152	10.09	34.086	2.29	2.15	30.	0.00	26.4	178.5	100	10.75	33.873	3.09	25.963	205.1	0.243		
201	9.60	34.212	1.71	2.41	36.	0.00	28.1	161.3	125	10.43	33.992	2.68	26.112	191.1	0.293		
248	9.00	34.269	1.40	2.57	43.	0.00	30.5	147.8	150	10.11	34.081	2.32	26.235	179.3	0.340		
301	8.39	34.246	1.30	2.66	48.	0.01	32.1	140.5	200	9.61	34.211	1.72	26.422	161.6	0.427		
402	7.33	34.268	0.80	2.91	60.	0.01	35.8	124.0	250	8.98	34.270	1.39	26.571	147.5	0.507		
									300	8.40	34.248	1.30	26.643	140.6	0.581		
									400	7.35	34.268	0.81	26.814	124.3	0.720		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							100035
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
31 30.5N	117 07.0W	1/ 7/72	1552	GMT		1387M	300	5KT	2				300 1 4				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	13.30	33.38		25.101	287.2	0.000		
									10	13.30	33.39		25.108	286.5	0.029		
									20	13.30	33.39		25.108	286.5	0.057		
									30	13.24	33.38		25.113	286.1	0.086		
									50	12.53	33.34		25.221	275.7	0.142		
									75	10.94	33.40		25.563	243.2	0.208		
									100	9.82	33.52		25.849	216.0	0.266		
									125	9.36	33.71		26.073	194.8	0.317		
									150	9.04	33.96		26.319	171.3	0.364		
									200	8.27	34.01		26.478	156.3	0.447		
									250	7.85	34.11		26.619	142.9	0.524		
									300	7.44	34.13		26.694	135.8	0.596		
									400	7.07	34.29		26.872	118.9	0.729		
									500	6.25	34.30		26.990	107.7	0.849		
									600	5.82	34.35		27.084	98.8	0.959		
									700	5.31	34.38		27.170	90.6	1.062		
									800	4.81	34.42		27.260	82.1	1.157		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							100040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
31 21.9N	117 26.3W	1/ 7/72	1102	GMT		1849M	350	3KT									
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	13.30	33.41		25.124	285.0	0.000		
									10	13.29	33.41		25.126	284.8	0.029		
									20	13.08	33.41		25.168	280.8	0.057		
									30	13.10	33.44		25.187	279.0	0.085		
									50	13.06	33.44		25.195	278.2	0.141		
									75	11.98	33.40		25.373	261.3	0.209		
									100	10.30	33.61		25.838	217.1	0.269		
									125	9.68	33.74		26.044	197.5	0.321		
									150	8.94	33.90		26.288	174.3	0.368		
									200	8.28	34.00		26.469	157.1	0.453		
									250	7.60	34.04		26.600	144.6	0.530		
									300	7.46	34.23		26.770	128.6	0.601		
									400	6.63	34.25		26.900	116.2	0.729		
									500	5.94	34.30		27.029	103.9	0.845		
									600	5.43	34.37		27.148	92.7	0.950		
									700	5.07	34.41		27.222	85.7	1.047		
									800	4.67	34.45		27.299	78.4	1.137		
									1000	4.08	34.49		27.395	69.3	1.303		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							100040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
31 22.0N	117 27.0W	1/ 7/72	1226	GMT		1849M	350	3KT									
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	13.43	33.452	6.14	0.39	3.	0.04	0.0	284.4	0	13.43	33.452	6.14	25.130	284.4	0.000		
10	13.43	33.451	6.17	0.31	2.	0.02	0.1	284.5	10	13.43	33.451	6.17	25.129	284.5	0.028		
30	13.05	33.412	6.22	0.33	2.	0.08	0.3	280.1	20	13.25	33.433	6.20	25.149	282.6	0.057		
56	12.91		6.12	0.45	4.	0.27			30	13.05	33.412	6.22	25.175	280.1	0.085		
71	12.13	33.421	5.62	0.70	6.	0.17	5.9	262.5	50	12.94	33.420	6.14	25.203	277.4	0.141		
86	11.44	33.417	5.24	0.91	8.	0.06	9.2	250.5	75	11.97	33.411	5.54	25.382	260.4	0.209		
101	10.22	33.594	4.38	1.35	16.	0.02	16.2	216.9	100	10.30	33.582	4.44	25.815	219.3	0.269		
131	9.58	33.726	4.02	1.56	20.	0.02	19.1	197.0	125	9.61	33.713	4.09	26.033	198.5	0.322		
156	9.05	33.858	3.96	1.61	24.	0.01	21.1	179.1	150	9.17	33.829	3.97	26.195	183.1	0.370		
181	8.89	33.939	3.62	1.71	29.	0.02	22.9	167.7	200	8.37	33.984	3.37	26.442	159.6	0.458		
215	8.11	34.010	2.97	2.10	36.	0.01	27.7	154.0	250	7.52	34.013	2.46	26.589	145.7	0.536		
279	7.28	34.064	2.15	2.47	50.	0.01	33.7	138.5	300	7.40	34.201	1.83	26.755	129.9	0.607		
376	7.05	34.259	0.84	2.96	64.	0.01	36.9	120.9	400	6.80	34.260	0.72	26.885	117.7	0.736		
473	6.01	34.261	0.55	3.16	79.	0.00	40.0	107.7	500	5.85	34.282	0.49	27.026	104.3	0.853		
603	5.44	34.370	0.34	3.32	92.	0.01	43.3	92.9	600	5.45	34.368	0.34	27.143	93.1	0.959		
752	4.86	34.431	0.42	3.34	103.	0.00	44.4	82.0	700	5.07	34.416	0.39	27.226	85.3	1.056		
897	4.30	34.464	0.51	3.36	116.	0.00	44.9	73.5	800	4.68	34.444	0.44	27.292	79.0	1.146		
1104	3.66	34.516	0.77	3.32	131.	0.01	46.0	63.3	1000	3.95	34.490	0.62	27.407	68.1	1.311		

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

100050

LATITUDE 31 00.0N	LONGITUDE 118 07.0W	MO/DAY/YR 1/ 7/72			MESSENGER 0616 GMT		TIME BT	BOTTOM 1828M	WIND 290			WEATHER 0	DOMINANT WAVES			
		W02	W03	DT	Z	T			S	02	SIGT		DT	DD		
Z	T	S	02	P04	S103	W02	W03	DT	Z	T	S	02	SIGT	DT	DD	
									0	13.01	33.36		25.143	283.2	0.000	
									10	12.69	33.34		25.151	282.4	0.028	
									20	12.65	33.37		25.221	275.7	0.056	
									30	12.13	33.40		25.344	264.0	0.083	
									50	11.75	33.44		25.450	253.9	0.135	
									75	10.70	33.47		25.660	234.0	0.197	
									100	10.03	33.60		25.876	213.4	0.253	
									125	9.65	33.78		26.096	192.5	0.304	
									150	8.88	33.68		26.282	174.9	0.351	
									200	8.20	34.00		26.481	156.0	0.435	
									250	7.47	34.04		26.619	142.9	0.512	
									300	6.95	34.10		26.739	131.5	0.582	
									400	6.43	34.25		26.927	113.7	0.710	
									500	5.87	34.31		27.046	102.4	0.824	
									600	5.42	34.37		27.149	92.6	0.929	
									700	5.05	34.41		27.224	85.5	1.025	
									800	4.69	34.45		27.297	78.6	1.116	
									1000	4.05	34.49		27.398	69.0	1.281	

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

100060

LATITUDE 30 40.0N	LONGITUDE 118 47.0W	MO/DAY/YR 1/ 7/72			MESSENGER 0024 GMT		TIME DT	BOTTOM 2790M	WIND 340			WEATHER 1	DOMINANT WAVES 340 1 4			
		W02	W03	DT	Z	T			S	02	SIGT		DT	DD		
Z	T	S	02	P04	S103	W02	W03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.15	33.36		24.911	305.2	0.000	
									10	14.08	33.39		24.949	301.7	0.030	
									20	13.70	33.33		24.981	298.6	0.060	
									30	13.53	33.35		25.031	293.8	0.090	
									50	12.89	33.33		25.144	283.1	0.148	
									75	11.84	33.36		25.368	261.8	0.216	
									100	11.51	33.52		25.553	244.2	0.280	
									125	10.08	33.63		25.891	212.0	0.358	
									150	9.48	33.79		26.116	190.7	0.389	
									200	8.62	33.99		26.409	162.8	0.479	
									250	7.83	34.06		26.583	146.3	0.558	
									300	6.97	34.07		26.713	134.0	0.630	
									400	6.33	34.20		26.901	116.2	0.761	
									500	5.60	34.28		27.056	101.4	0.875	
									600	5.28	34.39		27.181	89.5	0.977	
									700	4.92	34.43		27.255	82.6	1.071	
									800	4.60	34.46		27.315	76.9	1.159	
									1000	3.99	34.51		27.420	66.9	1.320	

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

100060

LATITUDE 30 40.0N	LONGITUDE 118 47.0W	MO/DAY/YR 1/ 7/72			MESSENGER 0052 GMT		TIME DT	BOTTOM 2790M	WIND 340			WEATHER 1	DOMINANT WAVES 340 1 4			
		W02	W03	DT	Z	T			S	02	SIGT		DT	DD		
Z	T	S	02	P04	S103	W02	W03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.17	33.377	6.02	24.920	304.4	0.000	
									10	13.98	33.376	6.06	24.959	300.7	0.030	
									20	13.77	33.359	6.09	24.988	297.9	0.060	
									30	13.53	33.334	6.12	25.019	295.0	0.090	
									50	12.97	33.313	6.20	25.113	286.0	0.148	
									75	11.99	32.307	5.90	25.297	268.5	0.218	
									100	11.66	33.526	5.63	25.525	246.8	0.283	
									125	10.59	33.611	4.74	25.788	221.8	0.342	
									150	9.66	33.663	4.16	25.986	203.0	0.396	
									200	8.76	33.929	3.77	26.338	169.6	0.491	
									250	8.02	34.023	3.18	26.525	151.8	0.573	
									300	7.26	34.051	2.26	26.657	139.3	0.648	
									400	6.25	34.147	1.08	26.864	119.6	0.783	
									500	5.93	34.292	0.47	27.024	104.4	0.901	
									600	5.31	34.373	0.27	27.164	91.2	1.005	
									700	4.87	34.415	0.33	27.248	83.2	1.100	
									800	4.53	34.443	0.39	27.308	77.5	1.188	
									1000	3.95	34.493	0.57	27.409	67.9	1.351	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				100070	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 21.0N	119 28.0W	1/ 6/72	1923	GMT	3737M	010	4KT	0	340	1	4				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	14.81	33.52		24.894	306.8	0.000
									10	14.72	33.50		24.898	306.5	0.031
									20	14.48	33.47		24.926	303.8	0.061
									30	14.31	33.47		24.962	300.4	0.092
									50	14.29	33.47		24.966	300.0	0.152
									75	14.27	33.46		24.963	300.3	0.227
									100	12.33	33.36		25.275	270.6	0.299
									125	11.26	33.53		25.606	259.1	0.363
									150	9.99	33.67		25.937	207.6	0.420
									200	8.96	33.91		26.293	173.8	0.517
									250	8.01	33.99		26.501	154.0	0.601
									300	7.19	34.04		26.659	139.1	0.677
									400	6.24	34.12		26.849	121.0	0.812
									500	5.61	34.23		27.015	105.3	0.931
									600	5.47	34.36		27.135	93.9	1.037
									700	5.04	34.41		27.225	85.4	1.134
									800	4.68	34.45		27.298	78.5	1.225
									1000	4.02	34.50		27.409	68.0	1.389

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				100080	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 00.0N	120 07.0W	1/ 6/72	1205	GMT	3737M	240	4KT	0							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.09	33.52		24.833	312.6	0.000
									10	15.08	33.53		24.843	311.7	0.031
									20	15.08	33.53		24.843	311.7	0.062
									30	15.09	33.53		24.841	311.9	0.094
									50	15.09	33.53		24.841	311.9	0.156
									75	13.96	33.40		24.981	298.5	0.233
									100	12.83	33.51		25.294	268.8	0.304
									125	11.55	33.59		25.600	239.7	0.369
									150	10.37	33.67		25.873	213.8	0.426
									200	9.32	33.96		26.274	175.6	0.525
									250	8.17	34.05		26.524	151.9	0.609
									300	7.75	34.17		26.681	137.0	0.684
									400	7.24	34.32		26.872	118.9	0.817
									500	6.47	34.38		27.024	104.5	0.936
									600	5.86	34.41		27.126	94.8	1.043
									700	5.26	34.43		27.215	86.3	1.142

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				100080	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 00.0N	120 07.0W	1/ 6/72	1231	GMT	3737M	240	4KT	0							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.10	33.50		24.816	314.3	0.000
									10	15.10	33.51		24.824	313.6	0.031
									20	15.10	33.51		24.824	313.6	0.063
									30	15.10	33.51		24.824	313.6	0.094
									50	15.11	33.51		24.821	313.8	0.157
									75	14.06	33.44		24.991	297.6	0.234
									100	12.92	33.49		25.261	271.9	0.306
									125	11.56	33.52		25.544	245.0	0.371
									150	10.38	33.62		25.832	217.6	0.430
									200	9.46	33.91		26.212	181.5	0.531
									250	8.38	34.00		26.453	158.6	0.618
									300	7.78	34.14		26.653	139.7	0.695
									400	7.22	34.30		26.859	120.1	0.831
									500	6.43	34.37		27.021	104.7	0.950
									600	5.82	34.42		27.139	93.5	1.057
									700	5.19	34.42		27.216	86.3	1.155
									800	4.63	34.46		27.311	77.2	1.245
									1000	4.03	34.50		27.408	68.1	1.407

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						1000#0
LATITUDE	LONGITUDE	MO/DAT/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 00.0N	120 07.0W	1/ 6/72	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD				
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD	
0	15.09	33.523	6.00	0.25	2.	0.02	0.0	312.4	0	15.09	33.523	6.00	24.836	312.4	0.000	
10	15.10	33.521	5.96	0.25	2.	0.00	0.0	312.0	10	15.10	33.521	5.96	24.832	312.8	0.031	
30	15.10	33.521	5.92	0.25	1.	0.00	0.0	312.6	20	15.10	33.523	5.94	24.832	312.8	0.063	
50	15.11	33.521	5.89	0.25	2.	0.00	0.0	313.0	30	15.10	33.521	5.92	24.832	312.8	0.094	
71	14.95	33.520	5.90	0.26	2.	0.01	0.0	309.7	50	15.11	33.521	5.89	24.830	312.9	0.157	
86	14.18	33.424	6.02	0.29	2.	0.08	0.3	301.1	75	14.78	33.523	5.94	24.878	308.4	0.235	
101	13.29	33.496	4.15U	0.38	4.	0.04	1.8	278.5	100	13.35	32.491	5.65	25.174	280.2	0.309	
132	11.62	33.568	4.47	0.67	7.	0.01	6.2	242.5	125	11.98	33.556	4.77	25.492	249.9	0.376	
157	10.39	33.654	4.05	0.99	12.	0.00	11.6	215.3	150	10.69	33.625	4.15	25.780	222.6	0.436	
181	9.89	33.831	2.77U	1.56	21.	0.00	19.3	194.1	200	9.46	33.910	3.54	26.211	181.6	0.539	
216	9.11	33.952	3.36	1.79	28.	0.00	23.4	173.0	250	8.47	34.024	2.76	26.457	158.2	0.626	
280	8.01	34.069	2.20	2.26	42.	0.00	29.6	148.2	300	7.79	34.105	1.87	26.623	142.5	0.703	
378	7.19	34.227	0.87	2.87	60.	0.00	35.0	125.2	400	7.04	34.262	0.70	26.853	120.7	0.840	
475	6.56	34.355	0.36	3.20	74.	0.01	39.6	107.5	500	6.39	34.371	0.34	27.027	104.2	0.960	
605	5.69	34.402	0.27	3.32	88.	0.00	42.2	93.3	600	5.72	34.402	0.27	27.137	93.7	1.066	
754	4.85	34.432	0.40	3.36	103.	0.00	43.2	81.6	700	5.13	34.423	0.34	27.225	85.4	1.163	
900	4.35	34.470	0.50	3.34	113.	0.00	48.7U	73.5	800	4.67	34.445	0.43	27.294	78.8	1.254	
1107	3.78	34.509	0.70	3.34	126.	0.00	45.1	65.0	1000	4.05	34.492	0.59	27.398	69.0	1.419	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						1000q0
LATITUDE	LONGITUDE	MO/DAT/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 40.0N	120 46.5W	1/ 6/72	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD				
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD	
0	15.65	33.63											24.794	316.3	0.000	
10	15.65	33.64											24.802	315.6	0.032	
20	15.65	33.64											24.802	315.6	0.063	
30	15.65	33.63											24.794	316.3	0.095	
50	15.66	33.63											24.792	316.5	0.158	
75	15.47	33.59											24.804	315.5	0.238	
100	12.43	33.39											25.279	270.2	0.312	
125	11.13	33.49											25.599	239.8	0.376	
150	10.17	33.72											25.946	206.8	0.433	
200	9.17	34.01											26.337	169.6	0.528	
250	8.00	34.04											26.542	150.2	0.610	
300	7.56	34.15											26.692	135.9	0.684	
400	6.68	34.23											26.878	118.3	0.817	
500	6.10	34.34											27.041	102.9	0.934	
600	5.71	34.40											27.137	93.7	1.039	
700	5.17	34.43											27.226	85.3	1.137	
800	4.70	34.45											27.296	78.7	1.227	
1000	4.04	34.51											27.415	67.4	1.391	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						1030x0
LATITUDE	LONGITUDE	MO/DAT/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 06.0N	116 24.5W	1/21/72	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD				
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD	
0	12.90	33.47											25.250	273.0	0.000	
10	12.84	33.47											25.261	271.9	0.027	
20	12.26	33.55											25.436	255.3	0.054	
30	12.05	33.60											25.514	247.2	0.079	
50	11.71	33.70											25.656	234.4	0.127	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						1030x5
LATITUDE	LONGITUDE	MO/DAT/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 56.0N	116 45.0W	1/ 7/72	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD				
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	OT	DD	
0	13.38	33.46											25.146	282.9	0.000	
10	13.34	33.47											25.162	281.4	0.028	
20	13.29	33.47											25.172	280.4	0.056	
30	13.29	33.47											25.172	280.4	0.084	
50	11.98	33.45											25.442	254.7	0.138	
75	11.03	33.56											25.671	232.9	0.199	
100	10.37	33.71											25.904	210.8	0.255	
125	10.35	33.98											26.117	190.5	0.306	
150	9.99	34.04											26.225	180.2	0.353	
200	9.54	34.22											26.441	159.8	0.440	
250	8.70	34.25											26.599	144.7	0.518	
300	8.13	34.27											26.703	134.9	0.591	
400	7.24	34.31											26.864	119.7	0.724	
500	6.56	34.33											26.999	106.2	0.844	
600	5.88	34.37											27.117	95.6	0.952	
700	5.27	34.41											27.198	87.9	1.052	
800	4.77	34.45											27.288	78.4	1.144	
1000	4.12	34.49											27.390	69.7	1.311	

RV DAVIU STARR JORDAN

CALCOFI CRUISE 7201

103035

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	13.53	33.466	6.26	0.33	3.	0.03	0.3	285.3	0	13.53	33.466	6.26	25.120	285.3	0.000				
10	13.33	33.465	6.29	0.34	2.	0.02	0.3	281.5	10	13.33	33.465	6.29	25.160	281.5	0.028				
29	13.26	33.468	6.28	0.33	3.	0.02	0.3	280.7	20	13.29	33.463	6.28	25.165	281.1	0.057				
34P	12.97	33.464	5.78	0.75	6.	0.45	5.5	274.8	30	13.21	33.461	6.18	25.180	279.6	0.085				
52P	11.94	33.493	5.02	1.04	10.	0.14	10.0	253.7	50	12.04	33.488	5.10	25.428	256.0	0.138				
53	11.90	33.498	5.05	0.98	9.	0.38	9.2	252.7	75	11.08	33.557	4.71	25.659	234.1	0.200				
90P	10.67	33.615	4.47	1.29	14.	0.03	14.8	222.8	100	10.54	33.724	3.96	25.883	212.8	0.256				
119P	10.41	33.928	3.00	1.87	25.	0.01	22.0	195.4	125	10.37	33.968	2.86	26.103	191.8	0.308				
148P	10.20	34.070	2.52	2.14	30.	0.02	25.2	181.4	150	10.18	34.079	2.49	26.222	180.6	0.355				
190P	9.75	34.188	1.99	2.31	34.	0.01	27.9	165.1	200	9.59	34.203	1.89	26.419	161.9	0.442				
268	8.64	34.251	1.33	2.64	46.	0.00	31.7	143.8	250	8.89	34.247	1.45	26.566	147.9	0.522				
365	7.57	34.289	0.86	2.93	58.	0.01	34.4	125.7	300	8.26	34.268	1.14	26.681	137.0	0.596				
462	6.70	34.309	0.55	3.15	70.	0.00	39.3	112.7	400	7.24	34.297	0.73	26.853	120.6	0.730				
591	5.71	34.350	0.34	3.28	87.	0.00	41.5	97.5	500	6.38	34.320	0.46	26.988	107.8	0.851				
742	5.05	34.406	0.37	3.35	99.	0.01	43.4	85.8	600	5.66	34.354	0.34	27.106	96.7	0.961				
888	4.46	34.453	0.49	3.38	112.	0.00	45.5	75.9	700	5.20	34.392	0.36	27.191	88.6	1.061				
1092	3.82	34.505	0.63	3.35	127.	0.01	45.5	65.6	800	4.81	34.426	0.41	27.264	81.7	1.155				
									1000	4.08	34.485	0.57	27.390	69.8	1.324				

RV DAVIU STARR JORDAN

CALCOFI CRUISE 7201

103040

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	13.63	33.46							0	13.63	33.46		25.095	287.7	0.000				
10	13.63	33.47							10	13.63	33.47		25.103	287.0	0.029				
20	13.59	33.46							20	13.59	33.46		25.104	286.9	0.057				
30	13.57	33.46							30	13.57	33.46		25.108	286.5	0.086				
50	13.11	33.38							50	13.11	33.38		25.139	283.6	0.143				
75	11.84	33.36							75	11.84	33.36		25.368	261.8	0.212				
100	10.49	33.50							100	10.49	33.50		25.720	228.3	0.274				
125	9.79	33.79							125	9.79	33.79		26.064	195.6	0.327				
150	9.33	33.95							150	9.33	33.95		26.265	176.5	0.374				
200	8.70	34.13							200	8.70	34.13		26.506	153.6	0.459				
250	8.48	34.21							250	8.48	34.21		26.602	144.4	0.535				
300	8.06	34.25							300	8.06	34.25		26.697	135.4	0.608				
400	7.15	34.30							400	7.15	34.30		26.868	119.2	0.741				
500	6.16	34.33							500	6.16	34.33		27.025	104.4	0.859				
600	5.71	34.38							600	5.71	34.38		27.121	95.2	0.966				
700	5.24	34.42							700	5.24	34.42		27.210	86.8	1.065				
800	4.75	34.43							800	4.75	34.43		27.274	80.7	1.157				
1000	4.09	34.49							1000	4.09	34.49		27.394	69.4	1.325				

RV DAVIU STARR JORDAN

CALCOFI CRUISE 7201

103050

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	13.99	33.40							0	13.99	33.40		24.975	299.1	0.000				
10	13.99	33.40							10	13.99	33.40		24.975	299.1	0.030				
20	13.99	33.40							20	13.99	33.40		24.975	299.1	0.060				
30	13.91	33.38							30	13.91	33.38		24.976	299.0	0.090				
50	13.28	33.30							50	13.28	33.30		25.043	292.7	0.149				
75	12.39	33.32							75	12.39	33.32		25.233	274.6	0.221				
100	11.13	33.42							100	11.13	33.42		25.545	245.0	0.286				
125	10.30	33.68							125	10.30	33.68		25.892	211.9	0.344				
150	9.69	33.82							150	9.69	33.82		26.104	191.7	0.395				
200	8.67	33.99							200	8.67	33.99		26.401	163.6	0.485				
250	8.01	34.05							250	8.01	34.05		26.548	149.6	0.566				
300	7.87	34.19							300	7.87	34.19		26.679	137.2	0.640				
400	6.94	34.26							400	6.94	34.26		26.866	119.4	0.774				
500	5.99	34.28							500	5.99	34.28		27.007	106.0	0.893				
600	5.54	34.35							600	5.54	34.35		27.118	95.5	1.001				
700	5.03	34.39							700	5.03	34.39		27.211	86.8	1.099				
800	4.78	34.44							800	4.78	34.44		27.279	80.3	1.191				
1000	4.06	34.50							1000	4.06	34.50		27.405	68.4	1.358				

RV DAVID STARR JOHNSON      CALCOFI CRUISE 7201      103060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER	DOMINANT WAVES		
30 06.0N			118 22.0W			1/ 8/72		0950 GMT		3168M	280		13KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	14.68	33.49		24.899	306.4	0.000		
									10	14.70	33.50		24.902	306.1	0.031		
									20	14.70	33.49		24.895	306.8	0.061		
									30	14.69	33.49		24.897	306.6	0.092		
									50	14.06	33.38		24.945	302.0	0.153		
									75	13.17	33.32		25.080	289.1	0.227		
									100	11.18	33.40		25.520	247.3	0.295		
									125	10.38	33.60		25.816	219.1	0.354		
									150	10.10	33.81		26.028	199.0	0.407		
									200	8.90	33.98		26.357	167.7	0.500		
									250	7.77	34.01		26.552	149.2	0.582		
									300	7.02	34.04		26.682	136.9	0.655		
									400	6.27	34.16		26.877	118.4	0.788		
									500	5.56	34.24		27.029	104.0	0.905		
									600	5.61	34.37		27.126	94.8	1.011		
									700	5.16	34.41		27.211	86.7	1.110		
									800	4.74	34.43		27.275	80.6	1.202		
									1000	4.12	34.49		27.390	69.7	1.370		

RV DAVID STARR JOHNSON      CALCOFI CRUISE 7201      103060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER	DOMINANT WAVES		
30 06.0N			118 22.0W			1/ 8/72		1050 GMT		3169M	280		13KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	14.72	33.507	5.95	24.903	306.0	0.000		
									10	14.73	33.507	5.94	24.901	306.2	0.031		
									20	14.74	33.509	6.00	24.901	306.2	0.061		
									30	14.74	33.512	6.06	24.902	306.1	0.092		
									50	14.36	33.454	6.01	24.937	302.8	0.153		
									75	13.21	33.368	5.95	25.108	286.5	0.227		
									100	11.55	33.307	5.43	25.379	260.7	0.296		
									125	11.14	33.602	4.36	25.684	231.7	0.358		
									150	10.16	33.728	4.13	25.954	206.1	0.414		
									200	9.09	33.962	3.63	26.312	172.0	0.510		
									250	8.16	34.014	3.34	26.497	154.4	0.594		
									300	7.36	34.027	2.80	26.624	142.4	0.670		
									400	6.27	34.120	1.25	26.844	121.5	0.807		
									500	5.81	34.244	0.58	27.001	106.6	0.927		
									600	5.68	34.375	0.31	27.121	95.3	1.035		
									700	5.20	34.415	0.34	27.209	86.9	1.134		
									800	4.75	34.438	0.38	27.280	80.1	1.226		
									1000	4.08	34.489	0.53	27.392	69.5	1.394		

RV DAVID STARR JOHNSON      CALCOFI CRUISE 7201      103070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND		SPEED	WEATHER	DOMINANT WAVES		
29 46.5N			119 04.0W			1/ 8/72		1536 GMT		3357M	340		11KT	2	300 1 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	15.02	33.52		24.849	311.2	0.000		
									10	15.00	33.52		24.853	310.8	0.031		
									20	15.02	33.52		24.849	311.2	0.062		
									30	15.02	33.52		24.849	311.2	0.093		
									50	14.99	33.53		24.863	309.8	0.156		
									75	14.11	33.40		24.950	301.5	0.233		
									100	12.58	33.38		25.243	273.7	0.305		
									125	10.79	33.53		25.690	231.1	0.369		
									150	10.30	33.76		25.955	206.0	0.424		
									200	9.43	34.01		26.295	173.6	0.521		
									250	8.64	34.10		26.492	155.0	0.605		
									300	8.23	34.20		26.633	141.6	0.682		
									400	7.28	34.28		26.834	122.4	0.820		
									500	6.66	34.36		26.983	108.3	0.942		
									600	5.84	34.40		27.121	95.3	1.051		
									700	5.23	34.39		27.187	89.0	1.151		
									800	4.76	34.44		27.281	80.1	1.244		
									1000	4.10	34.50		27.400	68.8	1.411		



## RV DAVID STARR JOKUAN

## CALCOFI CRUISE 7201

103080

Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	DOMINANT WAVES					
													SIGT	DT	DD			
									0	15.12	33.52		24.827	313.2	0.000			
									10	15.12	33.53		24.835	312.5	0.031			
									20	15.01	33.51		24.843	311.7	0.063			
									30	14.87	33.49		24.858	310.3	0.094			
									50	14.84	33.50		24.872	308.9	0.156			
									75	14.79	33.49		24.875	308.6	0.233			
									100	14.29	33.44		24.943	302.2	0.310			
									125	13.01	33.50		25.251	272.9	0.383			
									150	10.66	33.55		25.729	227.4	0.446			
									200	9.24	33.98		26.303	172.9	0.548			
									250	8.22	34.09		26.548	149.6	0.631			
									300	7.86	34.17		26.665	138.6	0.705			
									400	7.36	34.33		26.862	119.8	0.840			
									500	6.52	34.37		27.009	105.8	0.960			
									600	5.86	34.40		27.118	95.5	1.068			
									700	5.35	34.43		27.205	87.3	1.168			
									800	4.90	34.45		27.273	80.8	1.261			
									1000	4.20	34.51		27.398	69.0	1.429			

## RV DAVID STARR JOKUAN

## CALCOFI CRUISE 7201

107032

Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	DOMINANT WAVES					
													SIGT	DT	DD			
									0	12.83	33.53		25.310	267.3	0.000			
									10	12.82	33.54		25.319	266.4	0.027			
									20	12.80	33.54		25.323	266.0	0.053			
									30	12.55	33.55		25.380	260.6	0.080			
									50	12.05	33.61		25.522	247.1	0.131			
									75	11.25	33.80		25.818	219.0	0.189			
									100	10.97	33.93		25.969	204.6	0.243			
									125	10.72	34.01		26.076	194.5	0.293			
									150	10.27	34.10		26.224	180.4	0.341			
									200	9.50	34.26		26.479	156.2	0.427			
									250	9.24	34.33		26.576	146.9	0.505			
									300	8.87	34.33		26.635	141.3	0.580			
									400	8.10	34.33		26.754	130.0	0.722			

## RV DAVID STARR JOKUAN

## CALCOFI CRUISE 7201

107035

Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	DOMINANT WAVES					
													SIGT	DT	DD			
									0	13.39	33.49		25.167	280.8	0.000			
									10	13.38	33.49		25.169	280.7	0.028			
									20	13.40	33.50		25.173	280.3	0.056			
									30	13.38	33.50		25.177	279.9	0.084			
									50	12.87	33.56		25.325	265.8	0.139			
									75	12.06	33.67		25.567	242.9	0.203			
									100	11.39	33.81		25.800	220.7	0.261			
									125	10.84	33.98		26.031	198.7	0.315			
									150	10.67	34.12		26.170	185.5	0.363			
									200	10.03	34.31		26.429	160.9	0.452			
									250	9.20	34.31		26.567	147.6	0.531			
									300	8.26	34.24		26.660	139.0	0.606			
									400	7.31	34.30		26.846	121.3	0.742			
									500	6.62	34.33		26.965	110.1	0.864			
									600	5.80	34.37		27.102	97.0	0.975			
									700	5.25	34.40		27.193	88.5	1.076			
									800	4.78	34.44		27.279	80.3	1.169			
									1000	4.18	34.49		27.384	70.3	1.338			

## RV DAVID STARR JOKUAN

## CALCOFI CRUISE 7201

107040

Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	DOMINANT WAVES					
													SIGT	DT	DD			
									0	13.82	33.47		25.064	290.7	0.000			
									10	13.82	33.47		25.064	290.7	0.029			
									20	13.82	33.48		25.072	289.9	0.058			
									30	13.79	33.47		25.070	290.1	0.087			
									50	13.40	33.42		25.111	286.2	0.145			
									75	11.72	33.37		25.398	258.9	0.214			
									100	10.76	33.60		25.750	225.4	0.275			
									125	10.62	33.98		26.070	195.0	0.328			
									150	9.85	34.00		26.218	181.0	0.375			
									200	9.16	34.11		26.417	162.0	0.463			
									250	8.58	34.18		26.563	148.1	0.543			
									300	8.17	34.23		26.665	138.5	0.617			
									400	7.18	34.28		26.849	121.1	0.752			
									500	6.34	34.32		26.994	107.3	0.873			
									600	5.73	34.37		27.111	96.2	0.982			
									700	5.20	34.41		27.207	87.1	1.082			
									800	4.72	34.45		27.293	78.9	1.173			
									1000	3.96	34.52		27.431	65.9	1.336			

RV DAVID STARR JORDAN						CALCOFI CRUISE 7201						107050				
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 31.0N	117 23.0W	1/	9/72	2043	GMT	2415M	350	8KT	1	350	3	4				
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	13.71	33.42		25.048	292.2	0.000	
									10	13.70	33.43		25.058	291.3	0.029	
									20	13.65	33.42		25.060	291.0	0.058	
									30	13.64	33.42		25.062	290.8	0.087	
									50	12.88	33.35		25.145	282.9	0.145	
									75	11.94	33.33		25.326	265.8	0.214	
									100	10.19	33.46		25.740	226.4	0.276	
									125	9.73	33.77		26.059	196.1	0.329	
									150	9.14	33.90		26.256	177.3	0.377	
									200	8.82	34.10		26.463	157.6	0.462	
									250	8.44	34.18		26.585	146.1	0.540	
									300	7.79	34.22		26.714	133.9	0.613	
									400	6.88	34.28		26.890	117.2	0.744	
									500	5.98	34.32		27.040	102.9	0.860	
									600	5.66	34.42		27.159	91.6	0.964	
									700	5.18	34.43		27.225	85.4	1.061	
									800	4.74	34.46		27.299	78.4	1.151	
									1000	4.18	34.49		27.364	70.3	1.318	

RV DAVID STARR JORDAN						CALCOFI CRUISE 7201						107060				
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 31.0N	116 02.0W	1/	9/72	1452	GMT	3641M	350	15KT	1	350	3	4				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.09	33.39		24.947	301.8	0.000	
									10	14.09	33.39		24.947	301.8	0.030	
									20	14.10	33.39		24.944	302.1	0.060	
									30	14.10	33.39		24.944	302.1	0.091	
									50	14.09	33.39		24.947	301.8	0.151	
									75	13.12	33.32		25.090	288.2	0.225	
									100	12.64	33.28		25.160	281.6	0.297	
									125	11.62	33.41		25.448	254.2	0.365	
									150	10.20	33.58		25.832	217.7	0.425	
									200	9.11	34.04		26.370	166.5	0.522	
									250	8.63	34.15		26.532	151.1	0.604	
									300	8.18	34.23		26.664	138.6	0.679	
									400	7.40	34.31		26.841	121.8	0.815	
									500	6.61	34.37		26.997	107.0	0.936	
									600	5.96	34.36		27.090	98.2	1.046	
									700	5.30	34.43		27.211	86.6	1.147	
									800	4.87	34.45		27.276	80.5	1.239	
									1000	4.10	34.50		27.400	68.8	1.407	

RV DAVID STARR JORDAN						CALCOFI CRUISE 7201						107060				
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 31.0N	116 02.0W	1/	9/72	1548	GMT	3641M	350	15KT	1	350	3	4				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	14.08	33.388	6.01	24.947	301.8	0.000	
									10	14.09	33.388	5.97	24.945	302.0	0.030	
									20	14.09	33.388	6.00	24.945	301.9	0.060	
									30	14.08	33.390	6.04	24.947	301.8	0.091	
									50	14.09	33.392	6.04	24.947	301.8	0.151	
									75	13.15	33.310	6.03	25.077	289.5	0.226	
									100	12.77	33.288	6.00	25.134	284.1	0.298	
									125	11.95	33.367	5.63	25.352	263.3	0.367	
									150	10.54	33.540	5.03	25.740	226.3	0.429	
									200	9.28	33.942	3.67	26.266	176.4	0.531	
									250	8.81	34.115	2.53	26.475	156.5	0.617	
									300	8.34	34.190	1.82	26.607	144.0	0.694	
									400	7.59	34.322	0.67	26.823	123.5	0.834	
									500	6.63	34.352	0.38	26.980	108.6	0.957	
									600	5.95	34.393	0.27	27.100	97.2	1.068	
									700	5.34	34.420	0.33	27.198	88.0	1.169	
									800	4.82	34.443	0.41	27.276	80.5	1.261	
									1000	4.06	34.488	0.64	27.395	69.3	1.429	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				107070			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
29 11.0N	118 41.0W	1/ 9/72	0936	GMT	2926M												
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD		
									0	15.26	33.62		24.873	308.8	0.000		
									10	15.26	33.62		24.873	308.8	0.031		
									20	15.17	33.60		24.877	308.4	0.062		
									30	14.94	33.55		24.889	307.3	0.093		
									50	14.46	33.47		24.930	303.4	0.154		
									75	13.74	33.42		25.042	292.8	0.229		
									100	12.71	33.36		25.202	277.6	0.301		
									125	11.39	33.60		25.637	236.2	0.366		
									150	10.48	33.78		25.939	207.5	0.422		
									200	9.44	34.05		26.325	170.8	0.518		
									250	8.90	34.21		26.537	150.7	0.601		
									300	8.03	34.22		26.678	137.2	0.675		
									400	6.69	34.18		26.837	122.2	0.810		
									500	6.04	34.27		26.988	107.9	0.932		
									600	5.70	34.36		27.107	96.6	1.041		
									700	5.26	34.41		27.199	87.8	1.141		
									800	4.82	34.44		27.274	80.7	1.234		
									1000	4.13	34.50		27.397	69.1	1.402		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				107080			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
29 48.0N	119 20.0W	1/ 9/72	0117	GMT	3926M	360	15KT	2					350	3	4		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD		
									0	14.90	33.55		24.898	306.5	0.000		
									10	14.85	33.55		24.909	305.5	0.031		
									20	14.79	33.54		24.914	305.0	0.061		
									30	14.59	33.50		24.926	303.8	0.092		
									50	14.23	33.41		24.933	303.2	0.153		
									75	13.24	33.38		25.113	286.1	0.227		
									100	11.73	33.60		25.574	242.1	0.293		
									125	10.53	33.82		25.961	205.3	0.350		
									150	10.06	34.02		26.198	182.8	0.399		
									200	9.48	34.21		26.443	159.6	0.486		
									250	8.97	34.31		26.604	144.3	0.565		
									300	8.39	34.32		26.702	135.0	0.637		
									400	7.44	34.34		26.859	120.1	0.771		
									500	6.64	34.38		27.001	106.6	0.891		
									600	5.86	34.39		27.110	96.2	1.000		
									700	5.28	34.43		27.213	86.5	1.099		
									800	4.70	34.44		27.288	79.4	1.191		
									1000	4.03	34.50		27.408	68.1	1.356		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				110032			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
29 51.0N	115 50.0W	1/21/72	1306	GMT	39M		12KT										
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD		
									0	12.67	33.55		25.357	262.8	0.000		
									10	12.61	33.56		25.376	261.0	0.026		
									20	12.28	33.61		25.478	251.3	0.052		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201				110036			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
29 44.0N	116 04.0W	1/10/72	0954	GMT	1577M	530	11KT										
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD		
									0	14.19	33.52		25.026	294.3	0.000		
									10	14.19	33.52		25.026	294.3	0.029		
									20	14.19	33.52		25.026	294.3	0.059		
									30	14.19	33.52		25.026	294.3	0.088		
									50	13.56	33.49		25.133	284.1	0.146		
									75	12.19	33.59		25.480	251.1	0.214		
									100	11.27	33.82		25.830	217.9	0.273		
									125	11.05	33.96		25.978	203.8	0.326		
									150	10.95	34.02		26.042	197.6	0.377		
									200	10.34	34.11		26.220	180.8	0.474		
									250	9.23	34.22		26.492	154.9	0.560		
									300	8.80	34.31		26.631	141.8	0.637		
									400	7.54	34.33		26.837	122.2	0.775		
									500	6.59	34.35		26.984	108.2	0.897		
									600	5.89	34.38		27.099	97.4	1.007		
									700	5.25	34.42		27.209	87.0	1.108		
									800	4.86	34.45		27.278	80.4	1.200		
									1000	4.19	34.49		27.383	70.4	1.369		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							110040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
29 35.5N	116 21.0W	1/10/72			1128 GMT			2042M	330	9KT							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	14.05	33.47							0	14.05	33.47		25.017	295.2	0.000		
10	14.04	33.48							10	14.04	33.48		25.026	294.5	0.029		
20	14.05	33.48							20	14.05	33.48		25.024	294.5	0.059		
30	14.05	33.48							30	14.05	33.48		25.024	294.5	0.088		
50	14.05	33.48							50	14.05	33.48		25.024	294.5	0.148		
75	12.77	33.49							75	12.77	33.49		25.291	269.1	0.218		
100	11.12	33.59							100	11.12	33.59		25.678	232.3	0.282		
125	11.07	33.94							125	11.07	33.94		25.959	205.6	0.337		
150	11.07	34.05							150	11.07	34.05		26.044	197.4	0.388		
200	10.53	34.20							200	10.53	34.20		26.292	173.9	0.483		
250	9.64	34.29							250	9.64	34.29		26.479	156.2	0.568		
300	8.76	34.27							300	8.76	34.27		26.606	144.1	0.646		
400	7.71	34.33							400	7.71	34.33		26.812	124.6	0.786		
500	6.76	34.35							500	6.76	34.35		26.961	110.4	0.911		
600	5.89	34.36							600	5.89	34.36		27.083	98.8	1.023		
700	5.21	34.41							700	5.21	34.41		27.205	87.2	1.124		
800	4.89	34.43							800	4.89	34.43		27.258	82.2	1.217		
1000	4.14	34.49							1000	4.14	34.49		27.388	69.9	1.388		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							110040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
29 35.5N	116 21.0W	1/10/72			1324 GMT			2042M	330	9KT							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	14.04	33.490	5.99	0.36	2.	0.02	0.2	293.5	0	14.04	33.490	5.99	25.034	293.5	0.000		
9	14.04	33.490	5.97	0.32	2.	0.03	0.2	293.1	10	14.03	33.491	5.97	25.035	293.4	0.029		
29	14.02	33.490	6.00	0.30	2.	0.03	0.2	293.1	20	14.02	33.491	5.98	25.037	293.3	0.059		
54	14.02	33.486	6.00	0.31	2.	0.03	0.2	293.4	30	14.02	33.492	6.00	25.038	293.1	0.088		
69	12.85	33.456	5.27	0.71	6.	0.13	5.3	273.1	50	14.02	33.488	6.00	25.036	293.4	0.147		
84	11.79	33.512	4.68	1.03	10.	0.04	10.0	249.7	75	12.39	33.451	5.01	25.332	265.2	0.217		
98	11.19	33.924	4.31	1.20	13.	0.01	12.4	206.9	100	11.18	33.931	4.19	25.930	208.3	0.277		
126	11.10	34.022	2.57	1.92	24.	0.00	21.2	200.0	125	11.11	34.013	2.74	26.008	200.9	0.329		
152	10.93	34.023	2.36	2.06	26.	0.01	22.4	197.1	150	10.95	34.024	2.38	26.045	197.4	0.379		
176	10.79	34.126	1.98	2.24	30.	0.01	25.0	187.1	200	10.44	34.219	1.70	26.286	174.5	0.474		
210	10.27	34.248	1.61	2.40	34.	0.00	27.9	169.4	250	9.60	34.264	1.35	26.464	157.5	0.560		
272	9.24	34.249	2.47	3.9.	0.00	29.3	153.0	300	8.83	34.261	1.11	26.587	145.9	0.638			
367	7.93	34.297	0.90	2.84	54.	0.01	32.3	130.9	400	7.67	34.316	0.73	26.806	125.1	0.780		
461	7.14	34.342	0.45	3.09	65.	0.00	37.6	115.9	500	6.76	34.347	0.37	26.958	110.8	0.905		
588	5.98	34.353	0.29	3.25	81.	0.01	40.8	100.5	600	5.89	34.358	0.29	27.080	99.1	1.017		
735	5.11	34.416	0.26	3.29	98.	0.00	43.7	85.7	700	5.26	34.400	0.27	27.189	88.8	1.120		
877	4.52	34.460	0.45	3.36	109.	0.01	46.0	76.0	800	4.82	34.430	0.34	27.273	80.9	1.213		
1082	3.85	34.507	0.64	3.35	123.	0.00	45.5	65.8	1000	4.09	34.491	0.58	27.394	69.4	1.381		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201							110050
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
29 20.0N	117 00.0W	1/10/72			1825 GMT			2980M	360	8KT	1						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
0	14.08	33.45							0	14.08	33.45		24.999	297.3	0.000		
10	14.06	33.44							10	14.06	33.44		24.991	297.6	0.030		
20	14.04	33.44							20	14.04	33.44		24.995	297.2	0.060		
30	14.02	33.43							30	14.02	33.43		24.992	297.5	0.089		
50	13.87	33.41							50	13.87	33.41		25.068	296.0	0.149		
75	13.44	33.36							75	13.44	33.36		25.472	289.9	0.223		
100	11.40	33.33							100	11.40	33.33		25.426	256.3	0.291		
125	10.82	33.68							125	10.82	33.68		25.002	220.5	0.352		
150	10.21	33.84							150	10.21	33.84		26.032	198.6	0.405		
200	9.34	34.05							200	9.34	34.05		26.341	169.2	0.498		
250	8.80	34.19							250	8.80	34.19		26.537	150.7	0.581		
300	8.25	34.26							300	8.25	34.26		26.680	137.1	0.655		
400	7.22	34.31							400	7.22	34.31		26.866	119.4	0.789		
500	6.61	34.36							500	6.61	34.36		26.989	107.7	0.910		
600	5.85	34.38							600	5.85	34.38		27.104	96.9	1.019		
700	5.32	34.41							700	5.32	34.41		27.192	88.5	1.120		
800	4.82	34.45							800	4.82	34.45		27.282	80.0	1.213		
1000	4.05	34.50							1000	4.05	34.50		27.406	68.3	1.379		

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

110060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	28	53.0N		117	38.0W		1/11/72	0005	GMT								3545M	330	12KT
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD				
0										15.70	33.67		24.814	314.5	0.000				
10										15.69	33.68		24.824	313.5	0.031				
20										15.53	33.66		24.844	311.6	0.063				
30										15.08	33.58		24.882	308.0	0.094				
50										14.91	33.57		24.911	305.2	0.155				
75										13.92	33.45		25.028	294.1	0.231				
100										11.92	33.44		25.415	257.3	0.300				
125										11.46	33.82		25.795	221.2	0.361				
150										10.99	33.97		25.996	202.0	0.414				
200										9.80	34.07		26.281	175.0	0.510				
250										9.28	34.22		26.484	155.7	0.595				
300										8.94	34.34		26.632	141.6	0.672				
400										7.47	34.32		26.839	122.0	0.810				
500										6.52	34.35		26.994	107.3	0.932				
600										6.09	34.42		27.105	96.8	1.042				
700										5.40	34.42		27.191	88.6	1.143				
800										4.94	34.46		27.276	80.5	1.236				
1000										4.18	34.50		27.392	69.6	1.405				

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

110060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	28	53.0N		117	38.0W		1/11/72	0119	GMT								3545M	330	12KT
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD				
2	15.65	33.666	5.81	0.26	1.	0.02	0.1	313.7	0	15.65	33.666	5.81	24.822	313.7	0.000				
12	15.64	33.663	5.81	0.26	1.	0.01	0.0	313.7	10	15.64	33.665	5.81	24.822	313.7	0.031				
32	15.04	33.564	5.82	0.27	1.	0.02	0.0	308.4	20	15.42	33.628	5.81	24.842	311.8	0.063				
58	14.88	33.543	5.88	0.28	2.	0.03	0.3	306.6	30	15.11	33.577	5.82	24.872	309.0	0.094				
73	14.27	33.476	5.95	0.29	2.	0.02	0.1	299.1	50	14.95	33.558	5.85	24.891	307.1	0.156				
86	13.70	33.418	6.04	0.33	2.	0.06	0.0	292.1	75	14.20	33.468	5.96	24.983	298.4	0.232				
103	12.31	33.393	5.30	0.72	6.	0.04	5.3	267.8	100	12.56	33.389	5.48	25.252	272.8	0.304				
133	11.45	33.831	3.23	1.63	18.	0.02	17.9	220.2	125	11.58	33.702	3.75	25.681	232.0	0.367				
157	10.83	33.964	2.82	1.87	23.	0.02	20.6	199.7	150	11.00	33.940	2.86	25.971	204.4	0.423				
181	10.37	34.024	2.75	1.95	26.	0.01	22.7	187.6	200	9.97	34.062	2.71	26.246	178.3	0.520				
215	9.67	34.090	2.64	2.06	30.	0.01	24.9	171.4	250	9.26	34.179	2.15	26.455	158.4	0.607				
277	9.01	34.259	1.71	2.46	40.	0.01	29.4	150.2	300	8.71	34.261	1.46	26.605	144.1	0.685				
372	7.78	34.285	0.88	2.88	55.	0.00	33.4	128.9	400	7.46	34.296	0.73	26.820	123.7	0.825				
468	6.81	34.324	0.47	3.12	69.	0.00	38.3	113.0	500	6.60	34.347	0.38	26.979	108.7	0.948				
596	6.09	34.406	0.23	3.29	81.	0.00	40.6	97.8	600	6.06	34.408	0.23	27.098	97.4	1.059				
743	5.15	34.429	0.28	3.32	97.	0.01	43.9	85.2	700	5.41	34.426	0.27	27.193	88.4	1.160				
886	4.55	34.466	0.40	3.38	109.	0.00	44.8	75.9	800	4.89	34.444	0.32	27.269	81.2	1.254				
1094	3.84	34.511	0.66	3.35	122.	0.01	45.3	65.4	1000	4.14	34.493	0.53	27.390	69.7	1.423				

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

110070

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	28	36.5N		118	18.0W		1/11/72	0524	GMT								3737M	320	8KT
	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD				
0										16.13	33.68		24.725	323.0	0.000				
10										16.13	33.68		24.725	323.0	0.032				
20										16.13	33.69		24.732	322.3	0.065				
30										16.12	33.69		24.734	322.0	0.097				
50										16.10	33.69		24.739	321.6	0.162				
75										12.54	33.40		25.266	271.5	0.236				
100										11.74	33.52		25.510	248.2	0.302				
125										10.44	33.67		25.860	214.9	0.360				
150										9.79	33.95		26.189	183.7	0.411				
200										9.79	34.27		26.438	160.0	0.498				
250										9.39	34.37		26.583	146.3	0.577				
300										8.75	34.35		26.670	138.0	0.651				
400										7.44	34.34		26.859	120.1	0.786				
500										6.42	34.33		26.991	107.6	0.907				
600										5.92	34.39		27.103	97.0	1.017				
700										5.34	34.41		27.190	88.7	1.118				
800										4.89	34.44		27.266	81.5	1.211				
1000										4.10	34.49		27.392	69.5	1.381				

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						110080
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 16.5N	118 57.5W	1/11/72	1001	GMI		3737M	350	10KT		O2	SIGT	DT	DD			
Z	T	S	U2	P04	S103	W02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	15.29	33.60		24.851	310.9	0.000	
									10	15.30	33.61		24.857	310.4	0.031	
									20	15.30	33.61		24.857	310.4	0.062	
									30	15.36	33.63		24.859	310.2	0.093	
									50	15.45	33.66		24.862	309.9	0.156	
									75	12.40	33.48		25.355	263.0	0.228	
									100	11.21	33.59		25.662	233.8	0.290	
									125	10.00	33.79		26.024	199.4	0.345	
									150	9.71	33.97		26.218	181.0	0.393	
									200	8.94	34.16		26.491	155.0	0.479	
									250	8.26	34.16		26.597	145.0	0.556	
									300	7.77	34.19		26.693	135.8	0.628	
									400	6.76	34.25		26.883	117.8	0.761	
									500	6.37	34.36		27.021	104.7	0.879	
									600	5.60	34.40		27.151	92.4	0.984	
									700	5.25	34.43		27.216	86.2	1.082	
									800	4.69	34.46		27.305	77.8	1.172	
									1000	4.03	34.51		27.416	67.3	1.335	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						110080
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 16.5N	118 57.5W	1/11/72	1138	GMI		3737M	350	10KT	1	O2	SIGT	DT	DD			
Z	T	S	U2	P04	S103	W02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	15.51	33.657	5.80	24.846	311.4	0.000	
									10	15.47	33.654	5.84	24.853	310.8	0.031	
									20	15.48	33.659	5.83	24.854	310.7	0.062	
									30	15.48	33.660	5.82	24.855	310.5	0.093	
									50	15.49	33.671	5.85	24.860	310.0	0.156	
									75	14.51	33.616	5.49	25.031	293.8	0.232	
									100	11.42	33.617	4.28	25.644	255.5	0.298	
									125	10.45	33.715	3.78	25.892	211.9	0.355	
									150	9.85	33.894	3.23	26.134	188.9	0.406	
									200	9.07	34.111	2.45	26.430	160.8	0.495	
									250	8.43	34.189	1.91	26.593	145.3	0.573	
									300	7.85	34.221	1.34	26.704	134.8	0.646	
									400	6.73	34.254	0.76	26.890	117.2	0.777	
									500	6.32	34.370	0.38	27.036	103.3	0.894	
									600	5.63	34.416	0.35	27.159	91.7	0.999	
									700	5.11	34.443	0.40	27.243	83.7	1.094	
									800	4.68	34.469	0.49	27.312	77.2	1.183	
									1000	4.00	34.513	0.68	27.421	66.8	1.345	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						1113030
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 22.0N	115 18.0W	1/21/72	0A20	GMI		60M	280	PKT		O2	SIGT	DT	DD			
Z	T	S	U2	P04	S103	W02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.75	33.65		25.217	276.1	0.000	
									10	13.75	33.65		25.221	275.7	0.028	
									20	13.75	33.65		25.221	275.7	0.055	
									30	13.39	33.63		25.275	270.6	0.083	
									50	12.44	33.72		25.533	246.1	0.134	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						1113035
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 11.5N	115 38.0W	1/12/72	1454	GMI		1298M	340	14KT	2	O2	SIGT	DT	DD			
Z	T	S	U2	P04	S103	W02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.71	33.64		25.218	276.0	0.000	
									10	13.71	33.64		25.218	276.0	0.028	
									20	13.71	33.64		25.218	276.0	0.055	
									30	13.71	33.64		25.218	276.0	0.083	
									50	12.87	33.63		25.379	260.7	0.137	
									75	11.51	33.75		25.731	227.2	0.198	
									100	11.21	33.97		25.957	205.8	0.253	
									125	10.51	34.03		26.128	189.5	0.303	
									150	10.32	34.17		26.270	176.0	0.349	
									200	9.77	34.29		26.457	158.2	0.435	
									250	9.05	34.30		26.583	146.3	0.513	
									300	8.53	34.31		26.673	137.7	0.587	
									400	7.32	34.30		26.845	121.5	0.722	
									500	6.56	34.33		26.973	109.3	0.844	
									600	5.87	34.37		27.093	97.9	0.956	
									700	5.33	34.41		27.191	88.6	1.057	
									800	4.78	34.44		27.279	80.3	1.150	
									1000	4.14	34.49		27.388	69.9	1.318	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

113040

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	02	14KT	1	02	SIGT	DT	DD				
									0	14.27	33.61		25.078	289.3	0.000											
									10	14.27	33.61		25.078	289.3	0.029											
									20	14.27	33.61		25.078	289.3	0.058											
									30	13.92	33.55		25.105	286.8	0.087											
									50	13.43	33.54		25.198	277.9	0.143											
									75	11.98	33.55		25.489	250.3	0.210											
									100	11.14	33.82		25.853	215.6	0.269											
									125	10.69	34.04		26.104	191.7	0.320											
									150	10.22	34.10		26.233	179.5	0.367											
									200	9.95	34.27		26.411	162.6	0.455											
									250	9.72	34.35		26.512	153.0	0.536											
									300	9.58	34.47		26.629	141.9	0.612											
									400	8.10	34.41		26.817	124.1	0.752											
									500	6.63	34.35		26.979	108.7	0.876											
									600	6.02	34.36		27.067	100.4	0.988											
									700	5.32	34.40		27.184	89.2	1.091											
									800	4.88	34.43		27.259	82.1	1.185											
									1000	4.08	34.49		27.395	69.3	1.355											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

113050

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	02	10KT	1	02	SIGT	DT	DD				
									0	14.83	33.64		24.982	298.5	0.000											
									10	14.82	33.64		24.984	298.3	0.030											
									20	14.79	33.64		24.991	297.7	0.060											
									30	14.46	33.62		25.046	292.4	0.089											
									50	14.41	33.62		25.056	291.4	0.148											
									75	12.59	33.52		25.349	263.6	0.218											
									100	11.26	33.60		25.661	233.9	0.280											
									125	10.08	33.79		26.015	200.2	0.335											
									150	9.54	33.94		26.223	180.5	0.383											
									200	9.01	34.12		26.449	159.0	0.470											
									250	8.66	34.30		26.645	140.4	0.547											
									300	8.24	34.31		26.717	133.5	0.618											
									400	7.35	34.37		26.895	116.7	0.749											
									500	6.42	34.37		27.023	104.6	0.867											
									600	5.72	34.39		27.128	94.6	0.974											
									700	5.22	34.42		27.212	86.6	1.072											
									800	4.86	34.44		27.270	81.2	1.165											
									1000	4.13	34.49		27.389	69.8	1.334											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

113060

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	02	10KT	1	02	SIGT	DT	DD				
									0	15.79	33.67		24.794	316.4	0.000											
									10	15.80	33.67		24.791	316.6	0.032											
									20	14.86	33.44		24.822	313.7	0.063											
									30	14.26	33.44		24.950	301.6	0.094											
									50	14.05	33.45		25.001	296.7	0.154											
									75	12.30	33.32		25.250	273.0	0.226											
									100	11.51	33.63		25.638	236.0	0.290											
									125	10.88	33.81		25.892	211.9	0.346											
									150	9.65	33.93		26.197	183.0	0.397											
									200	9.19	34.15		26.443	159.5	0.484											
									250	8.68	34.21		26.571	147.4	0.563											
									300	8.12	34.26		26.696	135.5	0.636											
									400	7.46	34.35		26.864	119.6	0.769											
									500	6.53	34.36		27.000	106.7	0.890											
									600	6.02	34.42		27.114	95.9	0.999											
									700	5.42	34.44		27.204	87.4	1.099											
									800	4.86	34.44		27.270	81.2	1.192											
									1000	4.11	34.50		27.399	68.9	1.360											

RV DAVIU STARR JOURNAL										CALCOFI CRUISE 7201							113060
LATITUDE	LONGITUDE		NO/DAT/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
28 22.0N	117 14.0W		1/12/72			0233	GMT	3689M	350	10KT	1	300	5	5			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	StGT	DT	DD		
0	15.76	33.664	5.73	0.26	2.	0.01	0.0	316.2	0	15.76	33.664	5.73	24.796	316.2	0.000		
10	15.78	33.662	5.80	0.28	1.	0.01	0.0	316.8	10	15.78	33.662	5.80	24.790	316.8	0.032		
30	14.34	33.474	5.97	0.30	2.	0.01	0.0	300.7	20	15.15	33.510	5.88	24.813	314.6	0.063		
55	14.01	33.449	6.19	0.31	2.	0.00	0.0	295.9	30	14.34	33.474	5.97	24.959	300.7	0.094		
70	13.12	33.359	5.79	0.45	3.	0.19	1.6	285.5	50	14.04	33.445	6.15	24.999	296.9	0.154		
85	11.85	33.331	5.43	0.72	6.	0.03	5.6	264.1	75	12.67	33.330	5.71	25.185	279.1	0.226		
100	11.57	33.596	4.36	1.12	11.	0.01	11.8	239.6	100	11.57	33.596	4.36	25.601	239.6	0.292		
130	10.61	33.825	3.40	1.57	19.	0.00	18.8	206.3	125	10.79	33.807	3.46	25.904	210.8	0.349		
155	7.78	33.910	3.50	1.68	23.	0.00	20.8	186.5	150	9.93	33.898	3.48	26.124	189.9	0.400		
180	9.39	33.990	3.25	1.61	27.	0.00	21.8	174.5	200	9.23	34.084	2.75	26.385	165.1	0.490		
214	9.14	34.144	2.38	2.16	35.	0.00	27.2	159.2	250	8.78	34.198	1.94	26.545	149.9	0.571		
279	8.47	34.207	1.73	2.46	44.	0.00	29.9	144.5	300	8.24	34.230	1.49	26.654	139.5	0.646		
376	7.46	34.302	0.75	2.92	59.	0.00	35.2	123.2	400	7.27	34.319	0.59	26.865	119.5	0.781		
473	6.77	34.355	0.35	3.15	69.	0.00	38.8	110.1	500	6.60	34.370	0.33	26.998	106.9	0.901		
603	5.99	34.412	0.26	3.29	82.	0.00	41.2	96.2	600	6.01	34.412	0.26	27.108	96.4	1.011		
751	5.08	34.429	0.31	3.35	96.	0.00	41.2	84.4	700	5.38	34.426	0.29	27.197	88.0	1.111		
898	4.47	34.461	0.45	3.36	108.	0.00	45.3	75.4	800	4.85	34.439	0.35	27.270	81.2	1.204		
1105	3.85	34.509	0.65	3.34	123.	0.00	43.8	65.6	1000	4.13	34.485	0.55	27.385	70.2	1.374		

RV DAVIU STARR JOURNAL										CALCOFI CRUISE 7201							113070
LATITUDE	LONGITUDE		NO/DAT/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
28 02.0N	117 55.0W		1/11/72			2100	GMT	3169M		10KT	1	300	5	6			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	StGT	DT	DD		
0	16.03	33.64							0	16.03	33.64		24.717	323.7	0.000		
10	15.97	33.63							10	15.97	33.63		24.723	323.2	0.032		
20	15.92	33.64							20	15.92	33.64		24.741	321.4	0.063		
30	15.92	33.64							30	15.92	33.64		24.741	321.4	0.097		
50	15.71	33.61							50	15.71	33.61		24.766	319.1	0.161		
75	15.03	33.57							75	15.03	33.57		24.885	307.7	0.240		
100	12.44	33.52							100	12.44	33.52		25.378	260.8	0.312		
125	10.95	33.65							125	10.95	33.65		25.740	226.4	0.373		
150	10.14	33.83							150	10.14	33.83		26.036	198.2	0.427		
200	9.72	34.10							200	9.72	34.10		26.317	171.5	0.521		
250	8.98	34.19							250	8.98	34.19		26.508	153.4	0.605		
300	8.52	34.27							300	8.52	34.27		26.643	140.6	0.681		
400	7.37	34.32							400	7.37	34.32		26.853	120.7	0.817		
500	6.72	34.39							500	6.72	34.39		26.998	106.9	0.938		
600	5.90	34.40							600	5.90	34.40		27.113	96.0	1.047		
700	5.37	34.42							700	5.37	34.42		27.194	88.3	1.147		
800	4.96	34.45							800	4.96	34.45		27.266	81.5	1.241		
1000	4.16	34.49							1000	4.16	34.49		27.384	70.3	1.411		

RV DAVIU STARR JOURNAL										CALCOFI CRUISE 7201							113080
LATITUDE	LONGITUDE		NO/DAT/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 42.0N	118 33.5W		1/11/72			1603	GMT	3888M	360	8KT	1	300	4	7			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	StGT	DT	DD		
0	16.03	33.62							0	16.03	33.62		24.701	325.2	0.000		
10	16.03	33.63							10	16.03	33.63		24.709	324.5	0.032		
20	16.03	33.63							20	16.03	33.63		24.709	324.5	0.065		
30	16.03	33.63							30	16.03	33.63		24.709	324.5	0.098		
50	16.03	33.63							50	16.03	33.63		24.709	324.5	0.163		
75	12.99	33.45							75	12.99	33.45		25.216	276.2	0.238		
100	11.38	33.55							100	11.38	33.55		25.800	239.7	0.303		
125	10.52	33.89							125	10.52	33.89		26.017	200.0	0.359		
150	9.96	33.96							150	9.96	33.96		26.168	185.7	0.408		
200	8.93	34.12							200	8.93	34.12		26.462	157.8	0.495		
250	9.02	34.33							250	9.02	34.33		26.811	143.6	0.573		
300	8.56	34.35							300	8.56	34.35		26.699	135.2	0.645		
400	7.41	34.36							400	7.41	34.36		26.879	118.2	0.778		
500	6.43	34.38							500	6.43	34.38		27.029	104.0	0.896		
600	5.86	34.41							600	5.86	34.41		27.126	94.8	1.003		
700	5.18	34.44							700	5.18	34.44		27.233	84.7	1.100		
800	4.62	34.46							800	4.62	34.46		27.313	77.1	1.190		
1000	4.04	34.49							1000	4.04	34.49		27.399	68.9	1.353		

RV DAVIU STARR JOURNAL										CALCOFI CRUISE 7201							117020
LATITUDE	LONGITUDE		NO/DAT/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
28 56.0N	114 41.5W		1/21/72			0135	GMT	75M	300	8KT	2	270	2	4			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	StGT	DT	DD		
0	14.21	33.67							0	14.21	33.67		25.137	283.7	0.000		
10	14.01	33.67							10	14.01	33.67		25.179	279.7	0.028		
20	13.95	33.66							20	13.95	33.66		25.199	277.8	0.056		
30	13.56	33.62							30	13.56	33.62		25.233	274.6	0.084		
50	13.07	33.74							50	13.07	33.74		25.424	256.4	0.137		



RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

117030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 48.0N	114 56.5W	1/21/72	0325	GMT	99M	300	14KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	14.53	33.66		25.062	290.9	0.000
									10	14.54	33.66		25.059	291.1	0.029
									20	14.53	33.66		25.062	290.9	0.058
									30	14.46	33.65		25.069	290.2	0.087
									50	14.31	33.65		25.101	287.2	0.145
									75	13.64	33.62		25.217	276.1	0.216

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

117035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 38.0N	115 16.0W	1/21/72	1900	GMT	205M	330	10KT	2							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	14.69	33.67		25.035	293.4	0.000
									10	14.65	33.66		25.040	292.9	0.029
									20	14.43	33.66		25.083	288.9	0.058
									30	13.90	33.59		25.140	283.4	0.087
									50	13.06	33.58		25.303	267.9	0.142
									75	11.97	33.57		25.506	248.6	0.207
									100	11.03	33.79		25.850	215.9	0.266
									125	10.95	34.01		26.035	198.4	0.318
									150	10.47	34.16		26.236	179.2	0.366

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

117040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 32.8N	115 40.0W	1/12/72	2158	GMT	929M	300	3KT	1							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	15.12	33.70		24.965	300.1	0.000
									10	15.10	33.69		24.962	300.4	0.030
									20	14.96	33.69		24.992	297.5	0.060
									30	14.34	33.59		25.048	292.2	0.090
									50	13.84	33.53		25.106	286.7	0.148
									75	12.11	33.56		25.472	251.9	0.215
									100	11.09	33.77		25.823	218.5	0.275
									125	10.88	33.96		26.008	200.9	0.328
									150	10.73	34.14		26.175	185.0	0.377
									200	10.11	34.28		26.392	164.4	0.466
									250	9.87	34.40		26.526	151.7	0.547
									300	9.58	34.45		26.614	143.4	0.624
									400	7.75	34.38		26.845	121.4	0.763
									500	6.42	34.37		27.023	104.6	0.883
									600	5.92	34.39		27.103	97.0	0.991
									700	5.36	34.42		27.195	88.2	1.092
									800	4.90	34.45		27.273	80.8	1.185

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

117050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
23 09.0N	116 15.0W	1/13/72	0304	GMT	4260M	360	12KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SI6T	DT	DD
									0	14.95	33.50		24.848	311.2	0.000
									10	14.94	33.61		24.935	302.9	0.031
									20	14.91	33.62		24.949	301.6	0.061
									30	14.91	33.68		24.995	297.2	0.091
									50	14.63	33.64		25.025	294.4	0.150
									75	11.69	33.66		25.628	237.0	0.217
									100	10.53	33.87		26.000	201.6	0.273
									125	9.99	34.00		26.194	183.2	0.321
									150	10.15	34.17		26.299	173.2	0.366
									200	9.92	34.37		26.494	154.7	0.450
									250	9.46	34.39		26.587	145.9	0.528
									300	8.63	34.35		26.689	136.3	0.601
									400	7.79	34.41		26.863	119.7	0.735
									500	6.84	34.42		27.006	106.2	0.855
									600	6.04	34.41		27.103	96.9	0.965
									700	5.43	34.44		27.203	87.5	1.065
									800	4.86	34.46		27.286	79.7	1.158
									1000	4.09	34.50		27.402	68.7	1.324

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						117060	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 48.0N		116 53.0W		1/13/72		0736 GMT			3737M	350	6KT	1					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	14.51	33.53		24.966	300.0	0.000		
									10	14.51	33.53		24.966	300.0	0.030		
									20	14.50	33.54		24.976	299.1	0.060		
									30	14.44	33.54		24.988	297.9	0.090		
									50	14.42	33.54		24.993	297.5	0.150		
									75	13.91	33.48		25.053	291.7	0.224		
									100	11.88	33.47		25.446	254.4	0.293		
									125	10.73	33.68		25.817	219.0	0.352		
									150	10.02	33.87		26.088	193.3	0.405		
									200	8.96	33.99		26.355	167.9	0.497		
									250	8.62	34.17		26.549	149.5	0.578		
									300	8.58	34.32		26.873	137.7	0.652		
									400	7.59	34.34		26.837	122.2	0.788		
									500	6.71	34.36		26.976	109.0	0.911		
									600	5.87	34.37		27.093	97.9	1.022		
									700	5.41	34.41		27.181	89.5	1.124		
									800	4.79	34.44		27.278	80.4	1.218		
									1000	4.16	34.49		27.386	70.1	1.386		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						117060	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 48.0N		116 53.0W		1/13/72		0831 GMT			3737M	350	6KT						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	14.52	33.535	6.00	24.968	299.8	0.000		
									10	14.52	33.532	5.97	24.965	300.1	0.030		
									20	14.49	33.540	5.97	24.976	299.1	0.060		
									30	14.46	33.545	5.96	24.988	297.9	0.090		
									50	14.42	33.540	5.92	24.991	297.6	0.150		
									75	14.01	33.514	5.68	25.058	291.3	0.224		
									100	11.91	33.500	4.68	25.463	252.7	0.292		
									125	10.75	33.714	3.81	25.839	217.0	0.352		
									150	10.03	33.896	3.46	26.106	191.6	0.403		
									200	9.15	34.055	2.97	26.374	166.1	0.495		
									250	8.69	34.185	1.99	26.549	149.5	0.576		
									300	8.43	34.285	1.13	26.668	138.3	0.650		
									400	7.52	34.322	0.67	26.832	122.7	0.787		
									500	6.63	34.344	0.37	26.974	109.2	0.909		
									600	5.84	34.374	0.20	27.099	97.3	1.020		
									700	5.25	34.416	0.28	27.205	87.3	1.121		
									800	4.78	34.451	0.39	27.286	79.6	1.213		
									1097	4.06	34.497	0.59	27.402	68.6	1.379		

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						117070	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 28.0N		117 33.0W		1/13/72		1255 GMT			3737M	340	10KT						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD		
									0	15.67	33.69		24.836	312.4	0.000		
									10	15.67	33.69		24.836	312.4	0.031		
									20	15.67	33.69		24.836	312.4	0.063		
									30	15.66	33.69		24.838	312.2	0.094		
									50	15.55	33.67		24.847	311.3	0.156		
									75	13.58	33.44		25.090	288.2	0.232		
									100	12.09	33.55		25.468	252.2	0.300		
									125	10.98	33.70		25.789	221.7	0.360		
									150	10.62	33.99		26.042	197.6	0.413		
									200	9.69	34.17		26.377	165.8	0.506		
									250	9.36	34.31		26.541	150.3	0.587		
									300	8.74	34.34		26.664	138.6	0.662		
									400	7.81	34.38		26.836	122.2	0.799		
									500	6.65	34.35		26.976	109.0	0.921		
									600	6.04	34.41		27.103	96.9	1.032		
									700	5.57	34.44		27.186	89.1	1.133		
									800	5.07	34.46		27.261	81.9	1.228		
									1000	4.28	34.50		27.381	70.6	1.399		

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 117080

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		DD
													340	8	
									0	16.21	33.62		24.660	329.1	0.000
									10	16.21	33.62		24.660	329.1	0.033
									20	16.21	33.62		24.660	329.1	0.066
									30	16.17	33.61		24.662	329.0	0.099
									50	15.56	33.57		24.768	318.8	0.164
									75	15.26	33.63		24.881	308.1	0.243
									100	12.37	33.45		25.337	264.7	0.315
									125	10.79	33.66		25.791	221.5	0.376
									150	10.27	33.85		26.030	198.8	0.430
									200	10.02	34.28		26.407	163.0	0.522
									250	9.50	34.38		26.572	147.3	0.602
									300	8.62	34.35		26.690	136.1	0.675
									400	7.50	34.34		26.850	120.9	0.810
									500	6.78	34.38		26.982	108.4	0.932
									600	6.03	34.42		27.113	96.0	1.042
									700	5.47	34.45		27.206	87.2	1.142
									800	4.95	34.47		27.283	79.9	1.234
									1000	4.21	34.50		27.389	69.9	1.402

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 119033

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		DD
													340	1 4	
									0	14.57	33.67		25.061	291.0	0.000
									10	14.57	33.67		25.061	291.0	0.029
									20	14.57	33.67		25.061	291.0	0.058
									30	14.57	33.67		25.061	291.0	0.087
									50	14.01	33.65		25.163	281.2	0.145
									75	13.32	33.56		25.235	274.4	0.215

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 120030

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		DD
													360	3 4	
									0	14.21	33.65		25.122	285.2	0.000
									10	14.19	33.65		25.126	284.8	0.029
									20	14.18	33.65		25.128	284.6	0.057
									30	14.14	33.65		25.136	283.8	0.086
									50	13.09	33.62		25.328	265.6	0.141
									75	11.87	33.77		25.680	232.1	0.203

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 120035

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		DD
													340	18KT	
									0	14.39	33.67		25.099	287.3	0.000
									10	14.39	33.68		25.107	286.6	0.029
									20	14.39	33.68		25.107	286.6	0.057
									30	14.09	33.67		25.162	281.3	0.086
									50	13.94	33.69		25.209	276.9	0.142

RV DAVID STARR JORDAN CALCOFI CRUISE 7201 120045

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		DD
													300	2 4	
									0	15.18	33.62		24.891	307.2	0.000
									10	15.07	33.62		24.915	304.9	0.031
									20	15.05	33.62		24.919	304.5	0.061
									30	15.04	33.62		24.921	304.3	0.092
									50	15.03	33.61		24.916	304.8	0.153
									75	12.56	33.45		25.301	268.2	0.225
									100	11.14	33.64		25.713	228.9	0.287
									125	10.42	33.85		26.004	201.3	0.342
									150	10.07	34.04		26.212	181.5	0.390
									200	9.88	34.31		26.454	158.5	0.477
									250	9.22	34.34		26.587	145.9	0.556
									300	8.75	34.33		26.654	139.5	0.630
									400	7.92	34.38		26.820	123.8	0.768
									500	6.60	34.36		26.991	107.6	0.890
									600	6.01	34.40		27.099	97.3	1.001
									700	5.38	34.43		27.201	87.7	1.101
									800	4.94	34.45		27.268	81.3	1.195
									1000	4.20	34.50		27.390	69.8	1.364

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

120045

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
0	15.30	33.623	5.87	0.27	2.	0.02	0.0	309.5	0	15.30	33.623	5.87	24.866	309.5	0.000		
10	15.11	33.616	5.92	0.30	2.	0.01	0.1	306.0	10	15.11	33.616	5.92	24.903	306.0	0.031		
29	15.03	33.614	5.86	0.30	2.	0.01	0.0	304.5	20	15.07	33.617	5.89	24.911	305.2	0.061		
53	15.03	33.614	5.93	0.29	2.	0.01	0.1	304.5	30	15.03	33.616	5.86	24.919	304.5	0.092		
68	13.72	33.464	5.41	0.55	4.	0.04	2.7	289.1	50	15.03	33.616	5.92	24.919	304.5	0.153		
83	12.32	33.584	4.56	1.00	9.	0.02	9.8	253.9	75	13.06	33.508	5.00	25.247	273.3	0.226		
98	11.17	33.642	4.24	1.22	13.	0.02	14.4	229.3	100	11.08	33.656	4.19	25.735	226.8	0.289		
127	10.42	33.851	3.38	1.65	21.	0.01	19.8	201.2	125	10.43	33.837	3.44	25.990	202.6	0.343		
151	10.07	34.017	2.68	1.98	27.	0.01	24.0	183.2	150	10.08	34.012	2.71	26.187	183.9	0.392		
175	9.66	34.149	2.10	2.20	33.	0.00	26.8	170.1	200	9.80	34.247	1.69	26.417	162.0	0.480		
210	9.78	34.274	1.56	2.46	37.	0.01	29.0	159.6	250	9.30	34.328	1.18	26.563	148.1	0.560		
272	8.99	34.337	1.04	2.67	45.	0.01	31.4	142.6	300	8.76	34.355	0.88	26.672	137.9	0.634		
368	8.21	34.370	0.63	2.92	54.	0.01	35.5	128.6	400	7.77	34.360	0.55	26.826	123.3	0.771		
463	6.92	34.342	0.43	3.06	68.	0.00	38.3	113.0	500	6.61	34.353	0.35	26.983	108.3	0.894		
592	6.04	34.390	0.23	3.28	82.	0.00	41.6	96.4	600	5.99	34.393	0.23	27.096	97.6	1.005		
742	5.12	34.432	0.33	3.35	98.	0.01	43.8	84.6	700	5.35	34.421	0.28	27.196	88.1	1.106		
889	4.56	34.480	0.43	3.38	109.	0.01	46.4	75.0	800	4.88	34.452	0.36	27.277	80.5	1.199		
1095	3.79	34.528	0.71	3.36	125.	0.01	46.2	63.6	1000	4.14	34.509	0.56	27.403	68.5	1.366		

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

120050

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
0	15.19	33.65								0	15.19	33.65		24.911	305.2	0.000	
10	15.19	33.66								10	15.19	33.66		24.919	304.5	0.030	
20	15.19	33.66								20	15.19	33.66		24.919	304.5	0.061	
30	15.19	33.65								30	15.19	33.65		24.911	305.2	0.092	
50	15.05	33.63								50	15.05	33.63		24.927	303.7	0.153	
75	12.14	33.47								75	12.14	33.47		25.397	259.0	0.223	
100	11.13	33.63								100	11.13	33.63		25.707	229.5	0.285	
125	10.42	33.86								125	10.42	33.86		26.012	200.6	0.339	
150	10.30	34.06								150	10.30	34.06		26.188	183.8	0.388	
200	9.83	34.28								200	9.83	34.28		26.439	159.9	0.476	
250	9.71	34.46								250	9.71	34.46		26.600	144.7	0.554	
300	9.19	34.42								300	9.19	34.42		26.701	135.1	0.627	
400	7.78	34.39								400	7.78	34.39		26.849	121.1	0.762	
500	6.84	34.39								500	6.84	34.39		26.982	108.4	0.884	
600	6.09	34.43								600	6.09	34.43		27.113	96.0	0.994	
700	5.38	34.45								700	5.38	34.45		27.217	86.2	1.093	
800	5.06	34.47								800	5.06	34.47		27.270	81.1	1.186	
1000	4.15	34.52								1000	4.15	34.52		27.411	67.8	1.353	

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

120060

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
0	15.09	33.62								0	15.09	33.62		24.910	305.3	0.000	
10	15.06	33.62								10	15.06	33.62		24.917	304.7	0.031	
20	15.04	33.62								20	15.04	33.62		24.921	304.3	0.061	
30	14.79	33.58								30	14.79	33.58		24.944	302.0	0.091	
50	13.89	33.49								50	13.89	33.49		25.065	290.6	0.151	
75	12.07	33.60								75	12.07	33.60		25.510	248.2	0.219	
100	11.04	33.76								100	11.04	33.76		25.832	217.7	0.277	
125	10.21	33.85								125	10.21	33.85		26.040	197.9	0.330	
150	9.88	33.96								150	9.88	33.96		26.182	184.4	0.378	
200	9.60	34.22								200	9.60	34.22		26.444	159.4	0.466	
250	9.13	34.33								250	9.13	34.33		26.594	145.3	0.545	
300	8.54	34.35								300	8.54	34.35		26.703	134.9	0.617	
400	7.43	34.34								400	7.43	34.34		26.860	120.0	0.751	
500	6.63	34.37								500	6.63	34.37		26.995	107.2	0.871	
600	5.81	34.38								600	5.81	34.38		27.109	96.4	0.981	
700	5.21	34.42								700	5.21	34.42		27.213	86.5	1.080	
800	4.68	34.45								800	4.68	34.45		27.298	78.5	1.171	
1000	4.05	34.49								1000	4.05	34.49		27.398	69.0	1.336	

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

120060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 11.5N		116 30.5W		1/14/72		1230 GMT			3451M	350	7KT				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.38	33.655	5.86	0.30	1.	0.01	0.1	308.8	0	15.38	33.655	5.86	24.875	308.8	0.000
10	15.37	33.650	5.85	0.28	1.	0.01	0.2	309.0	10	15.37	33.650	5.85	24.872	309.0	0.031
30	14.99	33.610	5.92	0.29	2.	0.01	0.2	304.0	20	15.22	33.634	5.89	24.892	307.0	0.062
54	14.32	33.557	5.74	0.40	3.	0.31	0.7	294.2	30	14.99	33.610	5.92	24.924	304.0	0.092
69	12.75	33.493	4.96	0.80	6.	0.04	6.3	268.5	50	14.52	33.571	5.77	24.995	297.2	0.153
84	12.01	33.605	4.34	1.08	10.	0.04	10.6	246.8	75	12.41	33.533	4.69	25.392	259.5	0.223
99	11.18	33.675	3.93	1.37	15.	0.02	14.8	227.0	100	11.13	33.682	3.91	25.746	225.8	0.284
128	10.21	33.825	3.62	1.59	20.	0.01	19.5	199.7	125	10.27	33.812	3.64	25.999	201.8	0.338
153	9.98	33.910	3.28	1.74	23.	0.01	21.6	189.7	150	9.99	33.901	3.33	26.116	190.7	0.388
177	9.81	34.051	2.67	1.97	29.	0.00	24.7	176.5	200	9.81	34.199	1.99	26.379	165.7	0.479
210	9.81	34.255	1.71	2.39	35.	0.00	28.1	161.4	250	9.37	34.344	1.14	26.564	148.0	0.559
273	9.03	34.352	0.98	2.69	45.	0.01	30.8	142.1	300	8.70	34.359	0.83	26.685	136.6	0.633
368	7.88	34.344	0.63	3.00	56.	0.01	34.3	125.9	400	7.51	34.344	0.56	26.852	120.8	0.768
463	6.83	34.348	0.45	3.15	70.	0.00	38.9	111.4	500	6.50	34.359	0.38	27.003	106.4	0.888
590	5.81	34.391	0.26	3.29	85.	0.00	42.8	95.6	600	5.74	34.395	0.26	27.129	94.5	0.996
738	4.95	34.440	0.36	3.36	100.	0.01	44.2	82.1	700	5.14	34.429	0.32	27.228	85.1	1.094
884	4.41	34.477	0.46	3.40	111.	0.00	46.1	73.6	800	4.70	34.457	0.40	27.301	78.2	1.184
1091	3.76	34.522	0.67	3.39	125.	0.00	45.7	63.8	1000	4.03	34.504	0.57	27.411	67.8	1.348

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

120070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 53.0N		117 10.0W		1/14/72		0645 GMT			3926M	300	4KT	2			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.98	33.60							0	14.98	33.60		24.919	304.5	0.000
10	14.98	33.60							10	14.98	33.60		24.919	304.5	0.030
20	14.96	33.60							20	14.96	33.60		24.923	304.1	0.061
30	14.91	33.59							30	14.91	33.59		24.926	303.8	0.091
50	14.77	33.57							50	14.77	33.57		24.941	302.4	0.152
75	13.03	33.49							75	13.03	33.49		25.239	274.0	0.225
100	11.40	33.59							100	11.40	33.59		25.627	237.1	0.289
125	10.85	33.86							125	10.85	33.86		25.936	207.7	0.345
150	9.97	33.99							150	9.97	33.99		26.190	183.6	0.395
200	9.45	34.20							200	9.45	34.20		26.440	159.8	0.483
250	8.99	34.30							250	8.99	34.30		26.593	145.4	0.561
300	8.63	34.37							300	8.63	34.37		26.704	134.8	0.634
400	7.46	34.34							400	7.46	34.34		26.856	120.4	0.767
500	6.51	34.37							500	6.51	34.37		27.011	105.7	0.887
600	5.89	34.41							600	5.89	34.41		27.122	95.1	0.995
700	5.43	34.46							700	5.43	34.46		27.219	86.0	1.094
800	4.96	34.47							800	4.96	34.47		27.282	80.0	1.186
1000	4.21	34.51							1000	4.21	34.51		27.397	69.1	1.354

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

1200A0

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 32.0N		117 49.0W		1/14/72		0135 GMT			3926M	350	6KT	2	340	8	8
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.63	33.66							0	15.63	33.66		24.822	313.7	0.000
10	15.63	33.66							10	15.63	33.66		24.822	313.7	0.031
20	15.60	33.66							20	15.60	33.66		24.829	313.1	0.063
30	15.60	33.66							30	15.60	33.66		24.829	313.1	0.094
50	15.58	33.66							50	15.58	33.66		24.833	312.7	0.157
75	13.10	33.42							75	13.10	33.42		25.171	280.5	0.232
100	11.46	33.54							100	11.46	33.54		25.578	241.8	0.297
125	10.65	33.91							125	10.65	33.91		26.010	200.7	0.353
150	10.19	34.05							150	10.19	34.05		26.199	182.7	0.402
200	9.77	34.24							200	9.77	34.24		26.418	161.9	0.490
250	9.36	34.32							250	9.36	34.32		26.548	149.5	0.570
300	8.91	34.37							300	8.91	34.37		26.660	139.0	0.645
400	7.72	34.39							400	7.72	34.39		26.857	120.2	0.781
500	6.76	34.39							500	6.76	34.39		26.993	107.4	0.902
600	6.04	34.42							600	6.04	34.42		27.111	96.2	1.011
700	5.47	34.43							700	5.47	34.43		27.190	88.7	1.112
800	5.04	34.47							800	5.04	34.47		27.273	80.9	1.206
1000	4.27	34.51							1000	4.27	34.51		27.390	69.7	1.375

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

123037

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 24.0N		114 40.0W		1/15/72		0630 GMT			69M	340	5KT	6			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.26	33.71							0	15.26	33.71		24.942	302.3	0.000
10	15.09	33.71							10	15.09	33.71		24.979	298.7	0.030
20	14.61	33.66							20	14.61	33.66		25.045	292.5	0.060
30	14.12	33.61							30	14.12	33.61		25.110	286.3	0.089
50	13.15	33.53							50	13.15	33.53		25.246	273.3	0.145

RV DAVID STARR JORDAN      CALCOFI CRUISE 7201      123050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
26 58.0N		116 31.0W		1/15/72		1250		GMT	3545M	360	10KT		02	S16T	UT	DD
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S16T	UT	DD	
									0	15.29	33.65		24.889	307.3	0.000	
									10	15.31	33.65		24.885	307.7	0.031	
									20	15.30	33.65		24.887	307.5	0.062	
									30	15.31	33.65		24.885	307.7	0.092	
									50	15.25	33.65		24.898	306.4	0.154	
									75	15.06	33.63		24.924	303.9	0.231	
									100	12.16	33.54		25.924	246.9	0.300	
									125	11.30	33.83		25.832	217.6	0.359	
									150	10.67	33.91		26.007	201.0	0.412	
									200	9.89	34.22		26.382	165.3	0.505	
									250	9.42	34.33		26.346	149.7	0.567	
									300	8.57	34.33		26.682	136.9	0.661	
									400	7.67	34.40		26.843	121.6	0.796	
									500	6.78	34.41		27.006	106.2	0.917	
									600	6.07	34.41		27.100	97.3	1.027	
									700	5.39	34.42		27.192	88.5	1.128	
									800	4.92	34.44		27.263	81.8	1.222	
									1000	4.15	34.49		27.387	70.0	1.392	

RV DAVID STARR JORDAN      CALCOFI CRUISE 7201      123060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 38.0N		116 09.0W		1/15/72		1723		GMT	3737N	010	8KT	0	330	3	5
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S16T	UT	DD
									0	15.74	33.68		24.813	314.6	0.000
									10	15.73	33.68		24.815	314.4	0.031
									20	15.73	33.68		24.815	314.4	0.063
									30	15.73	33.68		24.815	314.4	0.094
									50	15.73	33.68		24.815	314.4	0.158
									75	15.64	33.66		24.820	313.9	0.237
									100	12.57	33.42		25.275	270.6	0.310
									125	11.30	33.64		25.664	231.7	0.374
									150	10.33	33.88		26.043	197.6	0.428
									200	9.93	34.25		26.399	163.7	0.520
									250	9.75	34.42		26.562	148.3	0.601
									300	9.23	34.41		26.640	140.9	0.676
									400	7.76	34.37		26.836	122.3	0.814
									500	6.73	34.38		26.989	107.8	0.936
									600	6.02	34.41		27.106	96.7	1.046
									700	5.43	34.43		27.195	88.2	1.147
									800	4.85	34.45		27.279	80.3	1.240
									1000	4.11	34.50		27.399	68.9	1.407

RV DAVID STARR JORDAN      CALCOFI CRUISE 7201      123060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 38.0N		116 09.0W		1/15/72		1A50		GMT	3737N	010	8KT	0	330	3	5
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S16T	UT	DD
3	15.84	33.676		0.29	1.	0.01	0.0	317.0	0	15.84	33.676		24.787	317.0	0.000
12	15.74	33.675	5.80	0.28	1.	0.01	0.0	315.0	10	15.76	33.677		24.805	315.3	0.032
32	15.73	33.675	5.86	0.28	1.	0.01	0.0	314.7	20	15.74	33.677	5.83	24.810	314.9	0.063
56	15.72	33.677	5.89	0.28	1.	0.01	0.0	314.4	30	15.73	33.677	5.86	24.811	314.8	0.095
70	15.72	33.676	5.83	0.28	1.	0.01	0.0	314.5	50	15.72	33.678	5.88	24.814	314.5	0.158
85	14.77	33.555	5.55	0.43	2.	0.13	1.4	303.5	75	15.53	33.647	5.75	24.832	312.7	0.237
99	12.68	33.421	5.32	0.69	5.	0.02	5.2	272.5	100	12.59	33.426	5.29	25.274	270.7	0.310
127	11.28	33.640	4.20	1.17	13.	0.01	14.0	231.3	125	11.31	33.617	4.29	25.664	235.6	0.374
150	10.67	33.826	3.45	1.62	19.	0.01	19.2	207.2	150	10.67	33.826	3.45	25.942	207.2	0.430
208	9.92	34.235	1.74	2.38	34.	0.01	23.8	182.5	200	9.94	34.194	2.04	26.353	168.1	0.525
269	9.85	34.442	0.74	2.76	41.	0.00	30.2	147.9	250	9.86	34.395	0.93	26.524	151.9	0.608
363	8.34	34.389	0.55	2.92	53.	0.00	35.3	129.1	300	9.41	34.447	0.68	26.639	141.0	0.684
455	7.25	34.372	0.35	3.14	63.	0.00	37.9	115.2	400	7.86	34.379	0.47	26.828	123.1	0.822
562	6.25	34.399	0.21	3.50	77.	0.00	40.9	100.3	500	6.85	34.380	0.28	26.972	109.4	0.946
730	5.28	34.421	0.28	3.37	92.	0.00	43.0	87.2	600	6.12	34.402	0.22	27.068	98.5	1.058
873	4.55	34.463	0.38	3.40	105.	0.00	46.7	76.1	700	5.46	34.417	0.27	27.180	89.6	1.160
1080	3.87	34.513	0.63	3.38	113.	0.00	46.5	65.5	800	4.90	34.441	0.32	27.266	81.5	1.255
									1000	4.08	34.497	0.52	27.399	68.9	1.423

RV DAVID STARR JORDAN      CALCOFI CRUISE 7201      123090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
26 55.0N		114 16.5W		1/16/72		1323		GMT	84W	280	10KT		02	S16T	UT	DD
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S16T	UT	DD	
									0	15.60	33.74		24.890	307.2	0.000	
									10	15.62	33.74		24.890	307.2	0.031	
									20	15.64	33.71		24.924	303.9	0.061	
									30	15.13	33.80		24.945	301.0	0.092	
									50	15.17	33.74		24.993	297.5	0.152	

RV DAVIU STARR JORDAN

CALCOFI CRUISE 7201

127040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES							
26 43.5N	114 29.0W	1/16/72	1005 GMT	2790M	330	7KT									
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	S1GT	DT	DD
									0	16.23	33.82		24.809	314.9	0.000
									10	16.24	33.82		24.807	315.2	0.032
									20	16.24	33.82		24.807	315.2	0.063
									30	16.23	33.82		24.809	314.9	0.095
									50	16.03	33.87		24.893	307.0	0.157
									75	13.60	33.44		25.086	288.6	0.232
									100	11.43	33.62		25.645	235.4	0.298
									125	11.46	33.98		25.919	209.4	0.354
									150	11.03	34.16		26.137	188.6	0.405
									200	10.65	34.38		26.375	166.0	0.495
									250	10.62	34.55		26.513	152.9	0.578
									300	9.82	34.52		26.628	142.0	0.654
									400	8.53	34.48		26.806	125.1	0.795
									500	7.01	34.43		26.990	107.7	0.919
									600	6.16	34.43		27.104	96.9	1.029
									700	5.54	34.44		27.190	88.8	1.131
									800	4.96	34.46		27.274	80.7	1.224
									1000	4.25	34.51		27.392	69.5	1.393

RV DAVIU STARR JORDAN

CALCOFI CRUISE 7201

127050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES							
26 23.0N	115 08.0W	1/16/72	0442 GMT	3357M	330	5KT	0								
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	S1GT	DT	DD
									0	16.19	33.79		24.795	316.3	0.000
									10	16.05	33.76		24.804	315.4	0.032
									20	15.93	33.75		24.823	313.6	0.063
									30	15.88	33.74		24.827	313.2	0.095
									50	14.16	33.52		25.032	293.7	0.155
									75	12.73	33.67		25.437	255.1	0.224
									100	11.37	33.71		25.726	227.7	0.285
									125	10.90	33.97		26.013	200.5	0.339
									150	10.60	34.16		26.213	181.4	0.388
									200	10.19	34.35		26.433	160.6	0.475
									250	9.89	34.46		26.569	147.6	0.555
									300	9.27	34.47		26.680	137.0	0.629
									400	8.05	34.46		26.863	119.7	0.764
									500	7.02	34.43		26.989	107.8	0.885
									600	6.36	34.45		27.093	97.8	0.996
									700	5.65	34.46		27.192	88.5	1.098
									800	5.12	34.47		27.263	81.8	1.192
									1000	4.24	34.50		27.386	70.2	1.363

RV DAVIU STARR JORDAN

CALCOFI CRUISE 7201

127060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DUMINANT WAVES							
26 05.0N	115 46.0W	1/15/72	2332 GMT	3926M	330	10KT	0								
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	S1GT	DT	DD
									0	16.98	33.90		24.696	325.7	0.000
									10	16.71	33.90		24.759	319.7	0.032
									20	16.58	33.88		24.774	318.2	0.064
									30	16.35	33.82		24.781	317.6	0.096
									50	15.70	33.71		24.845	311.6	0.159
									75	14.02	33.54		25.077	289.5	0.235
									100	11.56	33.60		25.606	239.1	0.301
									125	11.14	33.91		25.923	209.0	0.358
									150	10.68	34.02		26.091	193.1	0.409
									200	10.05	34.29		26.410	162.7	0.500
									250	9.52	34.42		26.600	144.6	0.579
									300	8.90	34.38		26.669	138.1	0.652
									400	7.91	34.41		26.845	121.4	0.789
									500	6.80	34.38		26.980	108.7	0.911
									600	6.09	34.43		27.113	96.0	1.021
									700	5.53	34.44		27.191	88.6	1.122
									800	4.94	34.47		27.284	79.8	1.215
									1000	4.13	34.51		27.405	68.3	1.381

RV DAVID STARR JORDAN									CALCOFI CRUISE 7201							127060
Z	LATITUDE		LONGITUDE		MO/DAT/YR	MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04		S103	N02	N03						DT	Z	T
0	16.99	33.892	5.81	0.28	2.	0.00	0.1	326.9	0	16.99	33.892	5.81	24.687	326.5	0.000	
10	16.85	33.881	5.84	0.29	2.	0.00	0.4	324.2	10	16.85	33.881	5.84	24.712	324.2	0.033	
29	16.42	33.835	5.79	0.28	2.	0.01	0.2	318.0	20	16.65	33.864	5.82	24.745	321.0	0.065	
53	15.65	33.699	5.690	0.35	2.	0.06	0.2	311.3	30	16.40	33.834	5.79	24.778	317.9	0.097	
68	14.50	33.527	5.63	0.42	3.	0.09	1.6	300.0	50	15.79	33.725	5.70	24.835	312.5	0.160	
83	15.05	33.570	5.36	0.86	7.	0.03	7.2	268.5	75	13.64	33.538	5.54	25.110	286.3	0.235	
99	11.60	33.575	4.66	1.05	10.	0.01	11.4	241.7	100	11.57	33.608	4.54	25.610	238.8	0.302	
128	11.10	33.955	3.08	1.73	20.	0.00	20.6	206.4	125	11.15	33.911	3.21	25.921	209.2	0.358	
152	10.35	34.031	2.74	1.89	26.	0.00	24.3	186.8	150	10.44	34.027	2.75	26.142	188.1	0.409	
176	10.19	34.155	2.31	2.16	30.	0.00	25.4	175.9	200	10.19	34.393	1.66	26.395	164.1	0.499	
211	10.19	34.362	1.38	2.52	36.	0.00	28.9	159.7	250	9.73	34.410	1.14	26.557	148.8	0.579	
275	9.34	34.395	0.99	2.69	43.	0.00	31.0	143.7	300	9.03	34.398	0.87	26.662	138.8	0.654	
373	8.18	34.368	0.62	2.98	54.	0.00	35.4	126.9	400	7.89	34.392	0.56	26.826	123.2	0.791	
471	7.18	34.371	0.45	3.15	64.	0.00	38.0	114.3	500	6.92	34.377	0.40	26.961	110.4	0.915	
601	6.11	34.409	0.30	3.31	79.	0.00	42.7	97.8	600	6.12	34.409	0.30	27.092	98.0	1.027	
754	5.24	34.445	0.37	3.38	92.	0.00	44.2	85.0	700	5.51	34.435	0.35	27.188	88.9	1.129	
901	4.54	34.470	0.50	3.36	104.	0.00	46.6	75.5	800	5.00	34.453	0.41	27.263	81.8	1.224	
1106	3.86	34.520	0.68	3.37	119.	0.00	46.8	64.9	1000	4.17	34.493	0.59	27.387	70.0	1.394	

RV DAVID STARR JORDAN									CALCOFI CRUISE 7201							130028
Z	LATITUDE		LONGITUDE		MO/DAT/YR	MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04		S103	N02	N03						DT	Z	T
0	17.09	34.34						25.066	0	17.09	34.34			25.066	296.1	0.000
10	17.02	34.33						25.015	10	17.02	34.33			25.015	295.3	0.030
20	17.00	34.33						25.020	20	17.00	34.33			25.020	294.8	0.059
30	16.98	34.33						25.025	30	16.98	34.33			25.025	294.4	0.089
50	15.64	34.17						25.211	50	15.64	34.17			25.211	276.7	0.146

RV DAVID STARR JORDAN									CALCOFI CRUISE 7201							130028
Z	LATITUDE		LONGITUDE		MO/DAT/YR	MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04		S103	N02	N03						DT	Z	T
1	17.08	34.311	5.56	0.57	5.	0.27	1.3	298.0	0	17.08	34.311	5.56	24.987	298.0	0.000	
11	16.99	34.308	5.45	0.59	5.	0.28	1.3	296.2	10	17.00	34.308	5.46	25.005	296.3	0.030	
22	16.99	34.307	5.45	0.56	5.	0.28	1.4	296.3	20	16.99	34.308	5.45	25.005	296.2	0.059	
31	16.99	34.305	5.50	0.59	5.	0.29	1.4	296.4	30	16.99	34.308	5.50	25.004	296.4	0.089	
41	16.94	34.298	5.40	0.60	5.	0.28	1.5	295.8	50	16.99	34.308	5.50	25.004	296.4	0.089	

RV DAVID STARR JORDAN									CALCOFI CRUISE 7201							130030
Z	LATITUDE		LONGITUDE		MO/DAT/YR	MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04		S103	N02	N03						DT	Z	T
0	17.38	34.33						24.930	0	17.38	34.33			24.930	303.4	0.000
10	17.09	34.30						24.976	10	17.09	34.30			24.976	299.0	0.030
20	17.03	34.31						24.998	20	17.03	34.31			24.998	296.9	0.060
30	16.98	34.31						25.009	30	16.98	34.31			25.009	295.8	0.090
50	16.67	34.24						25.029	50	16.67	34.24			25.029	294.0	0.149

RV DAVID STARR JORDAN									CALCOFI CRUISE 7201							130040
Z	LATITUDE		LONGITUDE		MO/DAT/YR	MESSENGER			TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	02	P04		S103	N02	N03						DT	Z	T
0	16.66	33.96						24.817	0	16.66	33.96			24.817	314.2	0.000
10	16.29	33.97						24.910	10	16.29	33.97			24.910	305.3	0.031
20	16.14	33.94						24.921	20	16.14	33.94			24.921	304.2	0.062
30	16.00	33.90						24.923	30	16.00	33.90			24.923	304.1	0.092
50	15.44	33.90						25.048	50	15.44	33.90			25.048	292.2	0.152
75	12.67	33.79						25.342	75	12.67	33.79			25.342	245.2	0.219
100	12.35	34.15						25.082	100	12.35	34.15			25.082	212.8	0.277
125	12.07	34.39						26.122	125	12.07	34.39			26.122	190.0	0.328
150	11.48	34.47						26.295	150	11.48	34.47			26.295	173.6	0.375
200	11.02	34.57						26.457	200	11.02	34.57			26.457	158.2	0.460
250	9.97	34.53						26.610	250	9.97	34.53			26.610	143.7	0.538
300	9.32	34.51						26.703	300	9.32	34.51			26.703	134.6	0.610
400	8.28	34.49						26.855	400	8.28	34.49			26.855	120.4	0.744
500	7.05	34.45						27.003	500	7.05	34.45			27.003	106.4	0.865
600	6.19	34.45						27.116	600	6.19	34.45			27.116	95.7	0.975
700	5.71	34.49						27.208	700	5.71	34.49			27.208	87.0	1.075
800	5.17	34.51						27.289	800	5.17	34.51			27.289	79.3	1.167
1000	4.15	34.52						27.411	1000	4.15	34.52			27.411	67.8	1.333



## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

130040

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S16T	DT	DD				
0	16.56	33.949	5.79	0.36	2.	0.04	0.2	312.8	0	16.56	33.949	5.79	24.832	312.8	0.000				
10	16.40	33.957	5.83	0.37	1.	0.02	0.2	308.7	10	16.40	33.957	5.83	24.875	308.7	0.031				
30	16.24	33.965	5.71	0.40	2.	0.08	0.4	304.6	20	16.32	33.964	5.79	24.898	306.4	0.062				
56	15.77	33.946	5.48	0.56	4.	0.31	1.8	295.8	30	16.24	33.965	5.71	24.918	304.6	0.093				
71	13.99	33.638	5.24	0.58	5.	0.18	3.7	281.7	50	15.86	33.950	5.55	24.988	297.9	0.153				
86	12.57	33.817	3.47	1.44	14.	0.03	15.3	241.4	75	13.52	33.660	4.81	25.271	271.0	0.225				
101	12.70	34.050	2.46	1.87	19.	0.03	21.1	226.6	100	12.69	34.041	2.51	25.731	227.2	0.287				
131	12.19	34.364	1.26	2.39	28.	0.01	26.0	194.1	125	12.34	34.321	1.41	26.015	200.2	0.342				
156	11.57	34.420	1.07	2.53	32.	0.01	27.8	178.9	150	11.71	34.415	1.08	26.209	181.7	0.390				
181	11.37	34.484	0.83	2.50	34.	0.01	28.1	170.6	200	11.20	34.523	0.69	26.387	164.9	0.479				
216	11.02	34.544	0.61	2.73	37.	0.01	28.8	160.1	250	10.35	34.530	0.56	26.544	150.0	0.560				
280	9.72	34.500	0.52	2.86	44.	0.00	30.5	141.9	300	9.47	34.498	0.48	26.669	138.1	0.635				
378	8.67	34.489	0.31	3.04	54.	0.00	35.0	126.5	400	8.39	34.482	0.29	26.829	123.0	0.772				
475	7.43	34.454	0.24	3.19	65.	0.00	36.9	111.5	500	7.14	34.445	0.24	26.983	108.3	0.896				
605	6.15	34.427	0.23	3.26	81.	0.00	41.7	97.0	600	6.19	34.428	0.23	27.098	97.4	1.007				
754	5.39	34.485	0.26	3.40	93.	0.00	43.3	83.7	700	5.62	34.462	0.25	27.197	88.1	1.108				
900	4.68	34.503	0.37	3.40	104.	0.00	46.1	74.5	800	5.16	34.493	0.29	27.277	80.5	1.201				
1107	3.85	34.530	0.66	3.39	121.	0.00	46.1	64.1	1000	4.25	34.517	0.49	27.397	69.1	1.370				

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

130050

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S16T	DT	DD				
0	16.98	33.99							0	16.98	33.99		24.765	319.1	0.000				
10	16.91	33.97							10	16.91	33.97		24.766	319.0	0.032				
20	16.69	33.93							20	16.69	33.93		24.787	317.0	0.064				
30	16.68	33.93							30	16.68	33.93		24.789	316.8	0.096				
50	16.71	33.95							50	16.71	33.95		24.797	316.0	0.159				
75	13.58	33.73							75	13.58	33.73		25.314	266.9	0.232				
100	12.43	34.01							100	12.43	34.01		25.759	224.6	0.294				
125	11.94	34.24							125	11.94	34.24		26.031	198.7	0.348				
150	11.86	34.44							150	11.86	34.44		26.201	182.6	0.396				
200	11.24	34.54							200	11.24	34.54		26.393	164.2	0.485				
250	10.66	34.59							250	10.66	34.59		26.537	150.6	0.567				
300	9.90	34.55							300	9.90	34.55		26.638	141.1	0.643				
400	8.22	34.42							400	8.22	34.42		26.806	125.1	0.782				
500	7.35	34.48							500	7.35	34.48		26.982	108.5	0.907				
600	6.39	34.45							600	6.39	34.45		27.090	98.2	1.019				
700	5.80	34.47							700	5.80	34.47		27.181	89.6	1.121				
800	5.11	34.48							800	5.11	34.48		27.272	80.9	1.216				
1000	4.24	34.51							1000	4.24	34.51		27.394	69.4	1.385				

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

130060

Z	LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S16T	DT	DD				
0	17.88	34.25							0	17.88	34.25		24.748	320.8	0.000				
10	17.89	34.25							10	17.89	34.25		24.745	321.0	0.032				
20	17.89	34.25							20	17.89	34.25		24.745	321.0	0.064				
30	17.87	34.25							30	17.87	34.25		24.750	320.5	0.096				
50	17.85	34.25							50	17.85	34.25		24.755	320.1	0.161				
75	13.70	33.75							75	13.70	33.75		25.305	267.8	0.235				
100	12.38	34.06							100	12.38	34.06		25.807	220.0	0.296				
125	12.30	34.38							125	12.30	34.38		26.070	195.0	0.349				
150	12.04	34.59							150	12.04	34.59		26.282	174.8	0.396				
200	11.47	34.65							200	11.47	34.65		26.436	160.2	0.482				
250	9.96	34.46							250	9.96	34.46		26.558	148.7	0.561				
300	9.93	34.56							300	9.93	34.56		26.640	140.8	0.637				
400	8.44	34.47							400	8.44	34.47		26.812	124.5	0.776				
500	7.34	34.46							500	7.34	34.46		26.967	109.8	0.901				
600	6.49	34.47							600	6.49	34.47		27.092	98.0	1.014				
700	5.62	34.46							700	5.62	34.46		27.195	88.2	1.116				
800	5.07	34.47							800	5.07	34.47		27.269	81.2	1.209				
1000	4.27	34.50							1000	4.27	34.50		27.382	70.5	1.380				

RV DAVIU STARR JORDAN										CALCOFI CRUISE 7201							133060
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
25 29.0N		115 24.0W		1/17/72		1203	6M1		3641M	350	5KT	0					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	St0T	DT	DD		
0	17.87	34.253	5.47	0.37	1.	0.00	0.1	320.3	0	17.87	34.253	5.47	24.752	320.3	0.000		
10	17.86	34.252	5.47	0.36	1.	0.01	0.1	320.6	10	17.88	34.252	5.47	24.749	320.6	0.032		
30	17.86	34.248	5.44	0.37	1.	0.01	0.2	320.4	20	17.87	34.252	5.46	24.750	320.5	0.064		
55	17.85	34.248		0.37	1.	0.01	0.2	320.2	30	17.86	34.248	5.44	24.751	320.4	0.096		
65	14.56	33.744	4.71	0.77	5.	0.07	5.5	285.4	50	17.85	34.249	5.07	24.753	320.3	0.161		
84	13.49	33.771	3.64	1.20	10.	0.03	11.5	262.2	75	13.96	33.721	4.37	25.228	275.1	0.236		
99	12.80	33.876	3.21	1.50	14.	0.02	16.7	241.3	100	12.78	33.892	3.15	25.598	239.9	0.300		
130	12.46	34.327	1.44	2.28	25.	0.01	25.2	201.8	125	12.47	34.254	1.71	25.936	207.5	0.357		
153	12.06	34.487	0.89	2.47	30.	0.01	27.5	182.7	150	12.11	34.472	0.94	26.178	184.7	0.407		
178	11.92	34.604	0.52	2.69	34.	0.01	28.1	171.6	200	11.68	34.645	0.35	26.392	164.4	0.496		
213	11.43	34.634	0.29	2.77	36.	0.01	28.8	160.6	250	9.95	34.460	0.29	26.559	148.5	0.577		
275	9.90	34.500	0.55	2.78	42.	0.00	30.1	144.4	300	9.85	34.550	0.28	26.646	140.3	0.652		
371	8.85	34.492	0.28	2.98	50.	0.01	33.7	129.0	400	8.63	34.472	0.28	26.815	124.3	0.791		
467	7.55	34.444	0.29	3.10	62.	0.01	36.4	113.9	500	7.24	34.449	0.27	26.972	109.3	0.916		
595	6.49	34.471	0.21	3.30	76.	0.00	40.4	97.9	600	6.45	34.472	0.21	27.099	97.4	1.028		
742	5.32	34.468	0.32	3.37	93.	0.00	43.9	84.1	700	5.63	34.470	0.28	27.202	87.6	1.129		
886	4.65	34.487	0.44	3.39	105.	0.01	46.3	75.4	800	5.01	34.475	0.37	27.279	80.2	1.222		
1092	3.90	34.522	0.66	3.35	122.	0.00	46.4	65.1	1000	4.20	34.506	0.55	27.394	69.4	1.390		

RV DAVIU STARR JORDAN										CALCOFI CRUISE 7201							133025
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
26 04.0N		112 47.0W		1/18/72		1457	6M1		80M	040	2KT	6					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	St0T	DT	DD		
0	18.90	34.51							0	18.90	34.51		24.692	326.0	0.000		
10	18.88	34.52							10	18.88	34.52		24.705	324.8	0.033		
20	18.87	34.52							20	18.87	34.52		24.707	324.6	0.065		
30	18.85	34.51							30	18.85	34.51		24.710	324.3	0.098		
50	18.81	34.51							50	18.81	34.51		24.715	323.9	0.163		

RV DAVIU STARR JORDAN										CALCOFI CRUISE 7201							133030
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
25 55.0N		113 07.5W		1/18/72		1218	6M1		192M	310	5KT	0					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	St0T	DT	DD		
0	18.70	34.49							0	18.70	34.49		24.727	322.7	0.000		
10	18.70	34.50							10	18.70	34.50		24.735	321.9	0.032		
20	18.56	34.49							20	18.56	34.49		24.762	319.3	0.064		
30	18.24	34.44							30	18.24	34.44		24.804	315.4	0.096		
50	14.70	33.97							50	14.70	33.97		25.264	271.7	0.155		
75	13.11	34.11							75	13.11	34.11		25.702	230.0	0.218		
100	12.49	34.24							100	12.49	34.24		25.925	208.8	0.274		
125	12.13	34.38							125	12.13	34.38		26.103	191.9	0.324		
150	11.90	34.45							150	11.90	34.45		26.201	182.6	0.372		

RV DAVIU STARR JORDAN										CALCOFI CRUISE 7201							133040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
25 34.5N		113 45.5W		1/18/72		0711	6M1		2790M	340	5KT	0					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	St0T	DT	DD		
0	16.45	33.89							0	16.45	33.89		24.812	314.7	0.000		
10	16.68	33.98							10	16.68	33.98		24.827	313.2	0.031		
20	17.21	34.21							20	17.21	34.21		24.879	308.3	0.063		
30	17.00	34.22							30	17.00	34.22		24.936	302.8	0.093		
50	17.03	34.24							50	17.03	34.24		24.944	302.0	0.154		
75	13.41	34.04							75	13.41	34.04		25.587	240.9	0.222		
100	12.58	34.20							100	12.58	34.20		25.876	213.4	0.280		
125	11.94	34.31							125	11.94	34.31		26.085	193.6	0.331		
150	11.69	34.42							150	11.69	34.42		26.217	181.0	0.379		
200	10.75	34.46							200	10.75	34.46		26.420	161.7	0.467		
250	10.17	34.52							250	10.17	34.52		26.568	147.7	0.546		
300	9.39	34.45							300	9.39	34.45		26.845	140.4	0.621		
400	7.99	34.44							400	7.99	34.44		26.857	120.3	0.758		
500	7.09	34.46							500	7.09	34.46		27.002	106.5	0.879		
600	6.22	34.45							600	6.22	34.45		27.112	96.1	0.988		
700	5.48	34.46							700	5.48	34.46		27.213	86.6	1.088		
800	5.06	34.50							800	5.06	34.50		27.294	78.8	1.180		
1000	4.29	34.54							1000	4.29	34.54		27.412	67.7	1.345		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

133050

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
25 13.5N			114 24.0W			1/18/72			0234 GMT			3689M			350			8KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD											
									0	17.36	34.10		24.759	319.7	0.000											
									10	17.40	34.12		24.764	319.2	0.032											
									20	17.52	34.19		24.789	316.8	0.064											
									30	17.53	34.19		24.786	317.0	0.096											
									50	17.33	34.14		24.796	316.1	0.159											
									75	14.41	33.78		25.179	279.7	0.234											
									100	12.74	33.94		25.644	235.5	0.299											
									125	11.96	34.27		26.050	196.9	0.354											
									150	11.60	34.41		26.226	180.1	0.402											
									200	11.22	34.57		26.420	161.7	0.489											
									250	10.50	34.59		26.565	148.0	0.569											
									300	9.96	34.59		26.659	139.1	0.644											
									400	8.47	34.51		26.839	122.0	0.782											
									500	7.12	34.45		26.990	107.6	0.904											
									600	6.31	34.46		27.108	96.5	1.014											
									700	5.65	34.46		27.192	88.5	1.115											
									800	5.06	34.49		27.286	79.6	1.209											
									1000	4.29	34.53		27.404	68.4	1.376											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

133060

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
24 54.0N			115 02.3W			1/17/72			2119 GMT			4116M			350			7KT			2			350 1 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD											
									0	17.88	34.24		24.740	321.5	0.000											
									10	17.85	34.24		24.747	320.8	0.032											
									20	17.81	34.24		24.757	319.9	0.064											
									30	17.80	34.24		24.759	319.6	0.096											
									50	17.77	34.24		24.767	318.9	0.160											
									75	13.82	33.91		25.403	258.4	0.233											
									100	12.42	34.22		25.923	209.0	0.292											
									125	12.16	34.48		26.174	185.1	0.342											
									150	12.02	34.66		26.341	169.3	0.387											
									200	11.66	34.72		26.455	158.4	0.471											
									250	11.07	34.69		26.541	150.2	0.551											
									300	10.31	34.62		26.622	142.6	0.627											
									400	8.87	34.53		26.791	126.5	0.769											
									500	7.66	34.50		26.952	111.2	0.896											
									600	6.36	34.46		27.101	97.1	1.009											
									700	5.64	34.48		27.209	86.9	1.109											
									800	5.08	34.49		27.284	79.8	1.202											
									1000	4.20	34.51		27.398	69.0	1.369											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

133060

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
24 54.0N			115 02.0W			1/17/72			2207 GMT			4116M			350			7KT			2			350 1 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD											
									0	17.87	34.232	5.53	24.736	321.8	0.000											
									10	17.82	34.226	5.55	24.744	321.1	0.032											
									20	17.80	34.226	5.53	24.749	320.7	0.064											
									30	17.79	34.226	5.51	24.751	320.4	0.096											
									50	17.78	34.223	5.53	24.750	320.5	0.161											
									75	13.95	34.010	4.54	25.453	253.6	0.233											
									100	12.65	34.200	1.91	25.863	214.7	0.292											
									125	12.19	34.404	0.91	26.110	191.2	0.344											
									150	12.13	34.590	0.40	26.264	176.5	0.390											
									200	11.87	34.698	0.17	26.398	163.8	0.478											
									250	11.33	34.696	0.10	26.497	154.4	0.560											
									300	10.60	34.645	0.08	26.588	145.7	0.638											
									400	8.97	34.523	0.15	26.769	128.6	0.783											
									500	7.64	34.482	0.15	26.942	112.2	0.911											
									600	6.41	34.464	0.18	27.097	97.5	1.025											
									700	5.70	34.472	0.20	27.195	88.2	1.126											
									800	5.13	34.479	0.27	27.269	81.2	1.220											
									1000	4.14	34.502	0.47	27.398	69.0	1.389											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

137023

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
25 34.0N			112 19.0W			1/18/72			2104 GMT			73M			250			3KT			1			250 1 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD											
									0	19.35	34.55		24.608	354.0	0.000											
									10	19.09	34.54		24.667	328.4	0.033											
									20	19.07	34.54		24.672	328.0	0.066											
									30	18.93	34.50		24.677	327.5	0.099											
									50	18.66	34.52		24.760	319.5	0.164											

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						137023
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 34.0N		112 19.0W		1/18/72		2138		GMT	75M	250	3KT	1	250 1 4			
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
0	19.59	34.507	5.46	0.38	2.	0.01	0.0	343.1	0	19.59	34.507	5.46	24.513	343.1	0.000	
10	19.10	34.505	5.49	0.40	2.	0.00	0.1	331.2	10	19.10	34.505	5.49	24.638	331.2	0.034	
19	19.05	34.507	5.47	0.42	3.	0.00	0.1	329.9	20	19.04	34.506	5.45	24.653	329.7	0.067	
29	18.93	34.490	5.24	0.48	3.	0.13	0.6	328.2	30	18.92	34.490	5.24	24.672	328.0	0.100	
52	18.62	34.491	5.18	0.53	3.	0.16	0.4	320.7	50	18.65	34.489	5.19	24.739	321.5	0.165	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						137030
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 17.0N		112 45.5W		1/19/72		0018		GMT	464M	340	4KT	1	270 1 4			
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
0	19.31	34.54											24.610	333.8	0.000	
10	18.91	34.53											24.705	324.8	0.033	
20	18.88	34.54											24.720	323.4	0.065	
50	18.85	34.53											24.720	323.4	0.098	
50	17.08	34.29											24.971	299.5	0.160	
75	14.43	34.02											25.360	262.5	0.231	
100	13.36	34.26											25.767	223.8	0.292	
125	12.41	34.40											26.064	195.5	0.346	
150	12.03	34.52											26.230	179.7	0.393	
200	11.34	34.66											26.468	157.1	0.480	
250	10.81	34.63											26.541	150.2	0.559	
300	10.61	34.62											26.569	147.6	0.637	
400	10.34	34.61											26.609	143.8	0.790	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						137040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 00.0N		113 24.0W		1/19/72		0504		GMT	3357M	330	3KT	1	270 1 4			
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
0	20.44	34.52											24.300	363.4	0.000	
10	20.46	34.53											24.302	363.2	0.036	
20	20.46	34.53											24.302	363.2	0.073	
30	20.46	34.53											24.302	363.2	0.109	
50	18.15	34.11											24.574	337.2	0.179	
75	13.70	33.89											25.412	257.5	0.254	
100	13.51	34.43											25.868	214.2	0.314	
125	12.43	34.43											26.083	193.7	0.366	
150	11.97	34.54											26.257	177.2	0.413	
200	11.53	34.68											26.448	159.0	0.499	
250	10.83	34.66											26.561	148.3	0.578	
300	10.17	34.63											26.654	139.5	0.653	
400	8.95	34.57											26.810	124.7	0.793	
500	7.52	34.50											26.973	109.3	0.918	
600	6.62	34.49											27.090	98.1	1.030	
700	5.89	34.49											27.186	89.1	1.133	
800	5.19	34.49											27.271	81.0	1.227	
1000	4.30	34.51											27.387	70.0	1.398	

RV DAVID STARR JORDAN										CALCOFI CRUISE 7201						137040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 00.0N		113 23.5W		1/19/72		0606		GMT	3357M	330	3KT	1	270 1 4			
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
3	20.44	34.490	5.30	0.37	2.	0.02	0.1	365.6	0	20.44	34.490	5.30	24.277	365.6	0.000	
13	20.43	34.488	5.29	0.37	2.	0.01	0.2	365.5	10	20.43	34.489	5.29	24.277	365.5	0.037	
33	20.38	34.482	5.25	0.39	2.	0.02	0.0	364.6	20	20.41	34.486	5.28	24.281	365.2	0.073	
57	17.90	34.085	4.85	0.64	5.	0.31	2.4	333.2	30	20.39	34.443	5.26	24.285	364.8	0.110	
71	15.32	33.935	3.93	1.15	8.	0.10	9.4	287.1	50	18.89	34.214	4.97	24.470	347.2	0.181	
86	13.70	33.974	3.18	1.46	13.	0.03	14.8	251.3	75	14.76	33.927	3.74	25.216	276.2	0.260	
102	13.51	34.233	1.98	2.01	19.	0.02	24.8	228.6	100	13.53	34.209	2.12	25.692	230.9	0.324	
133	12.26	34.331	1.41	2.31	26.	0.00	25.7	197.9	125	12.58	34.324	1.46	25.972	204.3	0.379	
156	12.14	34.493	0.82	2.56	30.	0.00	28.0	183.7	150	12.15	34.452	0.96	26.154	187.0	0.429	
181	11.69	34.566	0.63	2.66	34.	0.00	28.5	170.3	200	11.49	34.616	0.47	26.406	163.1	0.518	
216	11.35	34.646	0.35	2.78	37.	0.00	28.8	158.4	250	10.93	34.658	0.18	26.540	150.3	0.599	
280	10.54	34.641	0.10	2.91	41.	0.00	27.9	144.9	300	10.32	34.636	0.11	26.632	141.6	0.675	
378	7.99	34.590	0.14	3.04	50.	0.01	30.9	130.0	400	9.05	34.570	0.17	26.792	126.4	0.817	
474	7.92	34.504	0.24	3.20	61.	0.00	34.9	114.5	500	7.58	34.495	0.23	26.959	110.6	0.943	
603	6.49	34.483	0.15	3.29	77.	0.00	40.0	97.0	600	6.52	34.483	0.15	27.098	97.4	1.056	
753	5.51	34.486	0.25	3.35	90.	0.00	45.4	85.0	700	5.81	34.471	0.20	27.191	88.6	1.158	
899	4.69	34.491	0.46	3.42	104.	0.00	45.7	75.5	800	5.22	34.487	0.32	27.264	81.7	1.252	
1106	4.03	34.540	0.52	3.45	118.	0.00	46.3	65.1	1000	4.29	34.511	0.49	27.388	70.0	1.423	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

137050

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
24 40.0N			114 03.0W			1/19/72			1035 GMT			3357M			350			6KT								
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SI6T	DT	DD											
									0	20.50	34.51		24.276	365.7	0.000											
									10	20.50	34.51		24.276	365.7	0.037											
									20	20.49	34.51		24.279	365.4	0.073											
									30	20.50	34.51		24.276	365.7	0.110											
									50	20.46	34.51		24.287	364.6	0.183											
									75	14.08	34.16		25.541	245.2	0.260											
									100	12.76	34.36		25.965	205.0	0.317											
									125	12.20	34.51		26.190	183.6	0.366											
									150	11.84	34.59		26.321	171.2	0.411											
									200	11.09	34.67		26.522	152.1	0.494											
									250	10.54	34.65		26.605	144.2	0.571											
									300	9.98	34.62		26.679	137.2	0.644											
									400	8.66	34.55		26.840	121.9	0.781											
									500	7.44	34.50		26.984	108.2	0.904											
									600	6.50	34.48		27.099	97.4	1.015											
									700	5.73	34.47		27.190	88.7	1.117											
									800	5.12	34.50		27.267	79.5	1.210											
									1000	4.26	34.52		27.399	68.9	1.377											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

137060

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
24 20.0N			114 41.0W			1/19/72			1504 GMT			3737M			340			10KT			2			340 1 4		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SI6T	DT	DD											
									0	19.91	34.49		24.417	352.3	0.000											
									10	19.92	34.49		24.414	352.5	0.035											
									20	19.92	34.49		24.414	352.5	0.071											
									30	19.92	34.49		24.414	352.5	0.106											
									50	19.24	34.40		24.522	342.2	0.176											
									75	16.64	34.58		25.296	268.5	0.253											
									100	14.75	34.64		25.768	223.7	0.315											
									125	14.22	34.78		25.989	202.6	0.369											
									150	12.96	34.78		26.249	177.9	0.417											
									200	11.42	34.70		26.485	155.6	0.503											
									250	10.26	34.65		26.654	139.5	0.579											
									300	9.59	34.61		26.737	131.7	0.650											
									400	8.19	34.51		26.881	118.0	0.782											
									500	7.29	34.49		26.998	106.9	0.902											
									600	6.38	34.47		27.107	96.6	1.012											
									700	5.53	34.50		27.238	84.1	1.111											
									800	4.86	34.51		27.325	75.9	1.200											
									1000	4.10	34.54		27.432	65.8	1.360											

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

137060

LATITUDE			LONGITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM			WIND			SPEED			WEATHER			DOMINANT WAVES		
24 20.0N			114 41.0W			1/19/72			1621 GMT			3737M			340			10KT			2			340 1 4		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	O2	SI6T	DT	DD											
1	19.90	34.474	4.79U	0.44	2.	0.01	0.0	353.2	0	19.90	34.474		24.407	353.2	0.000											
11	19.87	34.471	5.30	0.39	2.	0.01	0.1	352.6	10	19.87	34.472		24.412	352.7	0.035											
31	19.89	34.491	4.99	0.43	2.	0.00	2.2	351.7	20	19.88	34.481	5.16	24.417	352.2	0.071											
54	17.10	34.220	3.78	1.14	8.	0.32	9.0	305.1	30	19.89	34.491	5.01	24.422	351.7	0.106											
70	16.59	34.599	1.74	2.16	19.	0.10	21.1	266.0	50	17.61	34.239	4.10	24.805	315.3	0.173											
85	15.90	34.707	1.16	2.49	24.	0.04	23.4	243.0	75	16.39	34.655	1.45	25.412	257.5	0.245											
100	14.92	34.711	1.04	2.64	28.	0.02	27.3	222.0	100	14.92	34.711	1.04	25.785	222.0	0.306											
130	13.71	34.794	0.16	2.92	38.	0.33	28.6	191.4	125	13.87	34.782	0.31	26.065	195.4	0.359											
155	12.89	34.768	0.11	3.02	42.	1.05	26.8	177.5	150	13.05	34.777	0.12	26.229	179.8	0.406											
179	12.12	34.748	0.11	2.90	44.	0.83	26.5	164.6	200	11.48	34.720	0.11	26.488	155.2	0.492											
213	11.12	34.701	0.12	2.92	46.	1.28	25.8	150.3	250	10.33	34.658	0.16	26.647	140.2	0.569											
275	9.92	34.630	0.19	2.97	52.	1.93	25.3	135.5	300	9.60	34.610	0.18	26.735	131.9	0.640											
370	3.84	34.555	0.14	3.07	59.	0.05	32.4	124.2	400	8.45	34.530	0.15	26.857	120.3	0.773											
465	7.63	34.487	0.17	3.14	70.	0.00	35.7	111.8	500	7.29	34.484	0.16	26.992	107.5	0.894											
592	6.50	34.490	0.15	3.31	85.	0.00	36.4	96.6	600	6.42	34.491	0.15	27.117	95.6	1.004											
739	5.15	34.498	0.22	3.40	106.	0.00	43.3	80.0	700	5.48	34.495	0.19	27.240	84.0	1.103											
885	4.40	34.513	0.36	3.38	119.	0.00	45.9	70.8	800	4.78	34.504	0.27	27.329	75.6	1.191											
1092	3.79	34.553	0.57	3.40	130.	0.02	45.4	61.7	1000	4.00	34.534	0.48	27.438	65.2	1.350											

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

## TEN METER DATA

					Z	T	S	02	DT
63.050	01/26/72	0814GMT	37 21.5N	122 30.0W	10	10.46		6.53	
		BOTTOM	37M	WIND 330 25KT					
				WEATHER					
				DOMINANT WAVES					
63.052	01/26/72	0716GMT	37 18.5N	122 46.0W	10	10.47	33.486	6.12	229.0
		BOTTOM	84M	WIND 340 25KT					
				WEATHER					
				DOMINANT WAVES					
63.055	01/26/72	0459GMT	37 12.5N	122 52.0W	10	10.24	33.143	5.80	250.6
		BOTTOM	338M	WIND 320 20KT					
				WEATHER					
				DOMINANT WAVES					
67.048	01/25/72	1036GMT	36 52.5N	121 57.0W	10	10.72	33.469	4.66	234.4
		BOTTOM	48M	WIND 170 06KT					
				WEATHER					
				DOMINANT WAVES					
67.055	01/25/72	1520GMT	36 39.0N	122 26.0W	10	11.17	33.512	6.31	238.9
		BOTTOM	2185M	WIND 200 25KT					
				WEATHER 5					
				DOMINANT WAVES 310 10 10					
70.051	01/25/72	0309GMT	36 11.0N	121 46.5W	10	10.66	33.648	5.17	220.2
		BOTTOM	297M	WIND 310 19KT					
				WEATHER					
				DOMINANT WAVES					
70.065	01/24/72	1520GMT	35 43.0N	122 44.0W	10	10.57	33.133	5.06	256.8
		BOTTOM	1295M	WIND 340 21KT					
				WEATHER 1					
				DOMINANT WAVES 320 11 10					
70.070	01/24/72	1123GMT	35 32.5N	123 05.5W	10	10.95	33.040	6.52	270.0
		BOTTOM	576M	WIND 350 20KT					
				WEATHER					
				DOMINANT WAVES					
73.050	01/22/72	1158GMT	35 37.0N	121 17.0W	10	11.32		5.26	
		BOTTOM	93M	WIND 310 15KT					
				WEATHER					
				DOMINANT WAVES					
73.053	01/22/72	1436GMT	35 31.5N	121 29.0W	10	11.36	33.344	6.51	254.5
		BOTTOM	778M	WIND 320 18KT					
				WEATHER 2					
				DOMINANT WAVES 320 11 17					
73.065	01/22/72	2300GMT	35 07.5N	122 18.5W	10	11.08	33.060	6.70	270.7
		BOTTOM	3918M	WIND 300 13KT					
				WEATHER 1					
				DOMINANT WAVES 300 08 07					
73.070	01/23/72	0240GMT	34 58.5N	122 40.0W	10	11.90	32.906	6.56	296.3
		BOTTOM	4072M	WIND 300 10KT					
				WEATHER 1					
				DOMINANT WAVES 300 08 07					
73.080	01/23/72	0712GMT	34 38.0N	123 21.0W	10	12.10	32.931	6.54	298.0
		BOTTOM	4139M	WIND 270 09KT					
				WEATHER					
				DOMINANT WAVES					

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

## TEN METER DATA

					Z	T	S	02	DT
77.048	01/22/72	0725GMT	35 07.0N	120 42.5W	10	11.36	33.546	6.13	239.6
	BOTTOM	34M	WIND 290 09KT	WEATHER					
			DOMINANT WAVES						
77.055	01/22/72	0206GMT	34 55.5N	121 13.5W	10	11.56	33.543	6.14	243.3
	BOTTOM	556M	WIND 320 20KT	WEATHER 1					
			DOMINANT WAVES 310 10 11						
77.065	01/21/72	1823GMT	34 34.0N	121 46.0W	10	10.88	33.395	6.14	242.6
	BOTTOM	3673M	WIND 330 11KT	WEATHER 1					
			DOMINANT WAVES 330 03 03						
77.070	01/21/72	1439GMT	34 24.0N	122 19.0W	10	10.85	33.378	4.11U	243.3
	BOTTOM	3999M	WIND 330 11KT	WEATHER					
			DOMINANT WAVES						
77.080	01/21/72	0930GMT	34 04.5N	122 57.0W	10	10.52	33.203	6.30	250.8
	BOTTOM	4231M	WIND 340 14KT	WEATHER 2					
			DOMINANT WAVES						
77.090	01/21/72	0405GMT	33 44.5N	123 38.5W	10	11.89	33.297	5.02	267.3
	BOTTOM	4049M	WIND 310 10KT	WEATHER					
			DOMINANT WAVES						
80.051	01/19/72	2252GMT	34 26.0N	120 32.5W	10	12.07	33.517	6.27	254.3
	BOTTOM	131M	WIND 310 09KT	WEATHER 2					
			DOMINANT WAVES 310 08 12						
80.055	01/20/72	0252GMT	34 19.0N	120 48.5W	10	12.00	33.515	6.21	253.2
	BOTTOM	774M	WIND 320 13KT	WEATHER 2					
			DOMINANT WAVES 310 08 12						
80.070	01/20/72	1142GMT	33 49.0N	121 51.5W	10	11.29	33.591		235.1
	BOTTOM	3737M	WIND 320 15KT	WEATHER					
			DOMINANT WAVES						
80.090	01/20/72	2258GMT	33 09.0N	123 14.0W	10	12.70	33.362	6.12	277.2
	BOTTOM	4231M	WIND 300 10KT	WEATHER 1					
			DOMINANT WAVES 350 04 06						
82.047	01/19/72	1905GMT	34 15.0N	119 59.0W	10	12.13	33.526	4.94	254.7
	BOTTOM	556M	WIND 040 03KT	WEATHER 2					
			DOMINANT WAVES 270 02 03						
83.040	01/19/72	1608GMT	34 13.5N	119 21.5W	10	12.23	33.48	6.70	259.9
	BOTTOM	22M	WIND 060 09KT	WEATHER 2					
			DOMINANT WAVES 060 01 03						
83.051	01/19/72	0807GMT	33 51.5N	120 07.5W	10	12.52	33.53	3.56U	261.5
	BOTTOM	140M	WIND 300 06KT	WEATHER					
			DOMINANT WAVES						

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

## TEN METER DATA

					Z	T	S	02	DT
83.055	01/19/72	0533GMT	33 44.0N	120 24.0W	10	11.97	33.49	5.13	254.5
	BOTTOM	796M	WIND 330	06KT WEATHER					
	DOMINANT WAVES								
83.070	01/18/72	2000GMT	33 15.0N	121 25.5W	10	11.28	33.524	6.25	239.9
	BOTTOM	3794M	WIND 340	10KT WEATHER 2					
	DOMINANT WAVES 300 06 09								
83.080	01/18/72	1426GMT	32 55.5N	122 08.0W	10	11.79	33.417	5.52	256.7
	BOTTOM	4174M	WIND 310	10KT WEATHER					
	DOMINANT WAVES								
83.090	01/18/72	0952GMT	32 33.5N	122 49.0W	10	12.45	33.332	6.30	274.8
	BOTTOM	4183M	WIND 320	15KT WEATHER					
	DOMINANT WAVES								
87.033	01/16/72	2120GMT	33 53.5N	118 29.0W	10	12.78	33.505	7.06	268.2
	BOTTOM	116M	WIND 270	06KT WEATHER 0					
	DOMINANT WAVES								
87.040	01/17/72	0115GMT	33 40.0N	118 57.5W	10	12.53	33.499	4.84	264.0
	BOTTOM	796M	WIND 270	10KT WEATHER 0					
	DOMINANT WAVES 270 01 02								
87.045	01/17/72	0455GMT	33 29.5N	119 18.5W	10	12.72	33.497	5.95	267.7
	BOTTOM	1645M	WIND 300	12KT WEATHER					
	DOMINANT WAVES 300								
87.050	01/17/72	0752GMT	33 19.5N	119 39.0W	10	11.56	33.497	5.91	246.7
	BOTTOM	75M	WIND 300	16KT WEATHER 0					
	DOMINANT WAVES								
87.055	01/17/72	1053GMT	33 10.0N	120 00.0W	10	13.08	33.381	6.05	282.9
	BOTTOM	1295M	WIND 300	12KT WEATHER 0					
	DOMINANT WAVES								
87.070	01/17/72	2101GMT	32 39.5N	121 03.0W	10	13.06	33.294	6.25	289.0
	BOTTOM	3545M	WIND 330	15KT WEATHER 2					
	DOMINANT WAVES 330 05 04								
87.080	01/18/72	0217GMT	32 19.5N	121 44.0W	10	12.32	33.332	6.35	272.5
	BOTTOM	4078M	WIND 320	12KT WEATHER 2					
	DOMINANT WAVES 330 05 04								
93.027	01/12/72	0410GMT	32 55.5N	117 19.0W	10	12.85	33.49		270.6
	BOTTOM	M	WIND	KT WEATHER					
	DOMINANT WAVES								
93.028	01/12/72	0522GMT	32 54.5N	117 22.0W	10	12.98	33.49		273.0
	BOTTOM	M	WIND	KT WEATHER					
	DOMINANT WAVES								



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 7201

## TEN METER DATA

					Z	T	S	02	DT
93.030	01/12/72 0740GMT 32 50.5N 117 31.0W BOTTOM M WIND KT WEATHER DOMINANT WAVES				10	13.12	33.49		275.7
93.035	01/12/72 1057GMT 32 40.5N 117 51.5W BOTTOM M WIND KT WEATHER DOMINANT WAVES				10	12.21	33.50	6.71	258.1
93.040	01/12/72 1520GMT 32 30.0N 118 12.0W BOTTOM 1701M WIND 250 04KT WEATHER 0 DOMINANT WAVES 250 03 08				10	12.88	33.36	6.34	280.7
93.045	01/12/72 1906GMT 32 20.0N 118 32.0W BOTTOM 833M WIND 300 11KT WEATHER 1 DOMINANT WAVES 300 03 05				10	12.70	33.40	6.24	274.4
93.050	01/12/72 2216GMT 32 10.0N 118 53.5W BOTTOM 1479M WIND 320 23KT WEATHER 1 DOMINANT WAVES 320 05 04				10	12.88	33.40	6.14	277.8
93.055	01/13/72 0200GMT 32 00.0N 119 14.5W BOTTOM 1577M WIND 340 20KT WEATHER 1 DOMINANT WAVES 310 10 04				10	12.98	33.50	6.16	272.3

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

## TEN METER DATA

						Z	T	S	02	0T
97.029	01/22/72	0942GMT	32 17.5N	117 04.5W		10	12.68	33.489		267.5
		BOTTOM	47M	WIND	00KT WEATHER					
		DOMINANT WAVES								
97.030	01/22/72	0911GMT	32 16.0N	117 07.5W		10	12.79	33.476		270.5
		BOTTOM	56M	WIND	060 03KT WEATHER					
		DOMINANT WAVES								
97.035	01/04/72	1317GMT	32 05.5N	117 27.5W		10	13.00	33.458		275.4
		BOTTOM	1298M	WIND	150 20KT WEATHER 0					
		DOMINANT WAVES 100 08 05								
97.045	01/04/72	2100GMT	31 46.5N	118 08.5W		10	13.03	33.489		274.1
		BOTTOM	1479M	WIND	060 13KT WEATHER 0					
		DOMINANT WAVES 100 08 05								
97.050	01/05/72	0038GMT	31 36.0N	118 30.5W		10	13.07	33.498		274.2
		BOTTOM	2595M	WIND	350 11KT WEATHER 0					
		DOMINANT WAVES 050 02 05								
97.055	01/05/72	0313GMT	31 25.5N	118 49.5W		10	13.32	33.314		292.4
		BOTTOM	778M	WIND	KT WEATHER					
		DOMINANT WAVES								
97.070	01/05/72	1630GMT	30 55.0N	119 50.5W		10	14.30	33.430		303.1
		BOTTOM	3738M	WIND	240 08KT WEATHER 0					
		DOMINANT WAVES 050 03 07								
97.080	01/05/72	2159GMT	30 34.5N	120 31.5W		10	14.48	33.453		305.0
		BOTTOM	3926M	WIND	340 11KT WEATHER 0					
		DOMINANT WAVES 350 04 05								
97.090	01/06/72	0258GMT	30 13.5N	121 10.5W		10	14.11	33.411		300.7
		BOTTOM	3738M	WIND	240 08KT WEATHER 0					
		DOMINANT WAVES								
100.029	01/22/72	0519GMT	31 42.0N	116 43.5W		10	12.47	33.497		263.0
		BOTTOM	103M	WIND	00KT WEATHER					
		DOMINANT WAVES								
100.035	01/07/72	1618GMT	31 30.5N	117 07.0W		10	13.32	33.398		286.3
		BOTTOM	1110M	WIND	030 01KT WEATHER 2					
		DOMINANT WAVES 280 02 04								
100.050	01/07/72	0646GMT	31 00.0N	118 07.0W		10	12.78	33.362		278.7
		BOTTOM	1828M	WIND	290 02KT WEATHER 0					
		DOMINANT WAVES								
100.070	01/06/72	1958GMT	30 21.0N	119 28.0W		10	14.64	33.501		304.8
		BOTTOM	3738M	WIND	010 04KT WEATHER 0					
		DOMINANT WAVES 340 01 04								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

TEN METER DATA

	Z	T	S	02	DT
100.090 01/06/72 0758GMT 29 40.0N 120 46.5W BOTTOM 3926M WIND 020 06KT WEATHER 0 DOMINANT WAVES	10	15.66	33.634		316.5
103.029 01/21/72 2318GMT 31 07.0N 116 21.0W BOTTOM 32M WIND 300 12KT WEATHER 2 DOMINANT WAVES 300 03 04	10	12.82	33.493		269.8
103.030 01/21/72 2230GMT 31 06.0N 116 24.5W BOTTOM 65M WIND 300 12KT WEATHER 2 DOMINANT WAVES 300 03 04	1	12.90	33.476		272.6
103.040 01/08/72 0045GMT 30 48.0N 117 04.0W BOTTOM 1656M WIND 240 04KT WEATHER 2 DOMINANT WAVES 300 02 05	10	13.62	33.472		286.6
103.045 01/08/72 0318GMT 30 36.0N 117 24.0W BOTTOM 2275M WIND 070 08KT WEATHER DOMINANT WAVES	10	13.62	33.375		293.7
103.050 01/08/72 0607GMT 30 26.0N 117 44.5W BOTTOM 2416M WIND 290 06KT WEATHER DOMINANT WAVES	10	14.02	33.396		300.0
103.070 01/08/72 1606GMT 29 46.5N 119 04.0W BOTTOM 3357M WIND 340 11KT WEATHER 2 DOMINANT WAVES 300 01 04	10	15.01	33.519		311.0
103.080 01/08/72 2103GMT 29 26.0N 119 43.0W BOTTOM 3452M WIND 320 10KT WEATHER 2 DOMINANT WAVES 320 03 04	10	15.06	33.515		312.4
107.031 01/21/72 1828GMT 30 28.0N 116 07.0W BOTTOM 45M WIND 350 10KT WEATHER 2 DOMINANT WAVES 330 03 04	10	12.78	33.558		264.3
107.032 01/21/72 1723GMT 30 26.0N 116 11.0W BOTTOM 445M WIND 350 10KT WEATHER 2 DOMINANT WAVES 330 03 04	10	12.82	33.539		266.4
107.035 01/10/72 0508GMT 30 21.5N 116 22.5W BOTTOM 1664M WIND 310 08KT WEATHER DOMINANT WAVES	10	13.32	33.500		278.9
107.040 01/10/72 0200GMT 30 11.0N 116 42.0W BOTTOM 2791M WIND 340 10KT WEATHER 2 DOMINANT WAVES 350 03 04	10	13.82	33.471		290.6
107.050 01/09/72 2115GMT 29 51.0N 117 23.0W BOTTOM 2416M WIND 350 08KT WEATHER 1 DOMINANT WAVES 350 03 04	10	13.72	33.418		292.5

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## CALCOFI CRUISE 7201

## TEN METER DATA

					Z	T	S	02	0T
107.070	01/09/72	1015GMT	29 11.0N	118 41.0W	10	15.18	33.609		308.0
		BOTTOM	2981M	WIND 030 10KT					
		DOMINANT WAVES							
107.080	01/09/72	0147GMT	28 48.0N	119 20.0W	10	14.79	33.538		305.1
		BOTTOM	3926M	WIND 360 15KT					
		DOMINANT WAVES 350 03 04							
110.032	01/21/72	1320GMT	29 51.0N	115 50.0W	10	12.62	33.557		261.4
		BOTTOM	39M	WIND 360 12KT					
		DOMINANT WAVES							
110.045	01/10/72	1610GMT	29 26.0N	116 40.0W	10	14.10	33.523		292.3
		BOTTOM	465M	WIND 320 09KT					
		DOMINANT WAVES 330 04 07							
110.050	01/10/72	1850GMT	29 20.0N	117 00.0W	10	14.04	33.436		297.5
		BOTTOM	2981M	WIND 360 08KT					
		DOMINANT WAVES 320 05 05							
110.055	01/10/72	2146GMT	29 06.5N	117 19.0W	10	14.32	33.484		299.5
		BOTTOM	3358M	WIND 320 08KT					
		DOMINANT WAVES 320 05 06							
110.070	01/11/72	0558GMT	28 36.5N	118 18.0W	10	16.09	33.693		321.2
		BOTTOM	3738M	WIND 320 08KT					
		DOMINANT WAVES							
113.029	01/21/72	0743GMT	29 24.0N	115 13.0W	10	13.90	33.646		279.3
		BOTTOM	24M	WIND 280 08KT					
		DOMINANT WAVES							
113.030	01/21/72	0843GMT	29 22.0N	115 18.0W	10	13.73	33.673		274.0
		BOTTOM	60M	WIND 280 08KT					
		DOMINANT WAVES							
113.035	01/12/72	1521GMT	29 11.5N	115 38.0W	10	13.70	33.657		274.6
		BOTTOM	1298M	WIND 340 14KT					
		DOMINANT WAVES 340 03 06							
113.040	01/12/72	1225GMT	29 01.0N	115 57.0W	10	14.24	33.620		288.0
		BOTTOM	1577M	WIND 340 14KT					
		DOMINANT WAVES							
113.045	01/12/72	0945GMT	28 52.5N	116 17.0W	10	14.44	33.578		295.1
		BOTTOM	1670M	WIND 340 11KT					
		DOMINANT WAVES							
113.050	01/12/72	0722GMT	28 41.5N	116 37.0W	10	14.80	33.636		298.2
		BOTTOM	4309M	WIND 340 10KT					
		DOMINANT WAVES							

RV DAVID STARR JORDAN

CALCOFI CRUISE 7201

TEN METER DATA

					Z	T	S	02	DT
115.070	01/11/72	2128GMT	28 02.0N	117 55.0W	10	16.05	33.651		323.4
		POTOM	3169M	WIND 360 10KT					
		DOMINANT WAVES	300 05 06						
115.080	01/11/72	1632GMT	27 42.0N	118 33.5W	10	16.04	33.642		323.8
		POTOM	3889M	WIND 360 08KT					
		DOMINANT WAVES	300 04 07						
117.025	01/21/72	0057GMT	28 58.0N	114 36.5W	10	14.16	33.662		283.3
		POTOM	47M	WIND 300 08KT					
		DOMINANT WAVES	270 02 04						
117.026	01/21/72	0143GMT	28 56.0N	114 41.5W	10	14.41	33.657		288.7
		POTOM	75M	WIND 300 08KT					
		DOMINANT WAVES	270 02 04						
117.030	01/21/72	0337GMT	28 48.0N	114 56.5W	10	14.52	33.688		288.6
		POTOM	99M	WIND 300 14KT					
		DOMINANT WAVES							
117.035	01/12/72	1915GMT	28 38.0N	115 16.0W	10	14.70	33.670		293.6
		POTOM	205M	WIND 330 10KT					
		DOMINANT WAVES	340 06 06						
117.040	01/12/72	2217GMT	28 33.0N	115 40.0W	10	15.14	33.703		300.3
		POTOM	929M	WIND 300 03KT					
		DOMINANT WAVES	300 06 07						
117.045	01/13/72	0042GMT	28 18.0N	115 55.0W	10	15.21	33.651		305.5
		POTOM	2981M	WIND 310 10KT					
		DOMINANT WAVES	310 06 07						
117.050	01/13/72	0327GMT	28 09.0N	116 15.0W	10	14.92	33.617		302.0
		POTOM	4261M	WIND 360 12KT					
		DOMINANT WAVES							
117.070	01/13/72	1528GMT	27 28.0N	117 33.0W	10	15.64	33.687		312.0
		POTOM	3738M	WIND 340 10KT					
		DOMINANT WAVES							
117.080	01/13/72	1805GMT	27 06.0N	118 10.5W	10	16.31	33.625		330.9
		POTOM	4499M	WIND 320 08KT					
		DOMINANT WAVES	340 08 08						
119.033	01/20/72	1530GMT	28 19.0N	114 53.0W	10	14.57	33.667		291.2
		POTOM	110M	WIND 330 15KT					
		DOMINANT WAVES	340 01 04						
120.024	01/20/72	2106GMT	28 24.0N	114 10.5W	10	14.42	33.791		279.1
		POTOM	34M	WIND 060 08KT					
		DOMINANT WAVES	060 03 04						

## RV DAVID STARR JORDAN

## CALCOFT CRUISE 7201

## TEN METER DATA

						Z	T	S	02	DT
120.025	01/20/72	2018GMT	28 22.5N	114 15.0W		10	14.30	33.721		281.8
		BOTTOM	47M	WIND 090 05KT	WEATHER 1					
		DOMINANT WAVES	090 03 04							
120.030	01/20/72	1745GMT	28 13.0N	114 34.0W		10	14.20	33.658		284.4
		BOTTOM	95M	WIND 340 10KT	WEATHER 1					
		DOMINANT WAVES	360 03 04							
120.035	01/20/72	1306GMT	28 02.5N	114 54.0W		10	14.50	33.672		289.4
		BOTTOM	80M	WIND 340 18KT	WEATHER					
		DOMINANT WAVES								
120.040	01/15/72	0110GMT	27 56.5N	115 14.0W		10	14.06	33.659		281.5
		BOTTOM	39M	WIND 330 09KT	WEATHER 0					
		DOMINANT WAVES	320 03 04							
120.050	01/14/72	1730GMT	27 33.0N	115 52.5W		10	15.20	33.637		306.4
		BOTTOM	3738M	WIND 360 04KT	WEATHER 2					
		DOMINANT WAVES	310 06 08							
120.070	01/14/72	0715GMT	26 53.0N	117 10.0W		10	14.96	33.598		304.2
		BOTTOM	3926M	WIND 300 04KT	WEATHER 2					
		DOMINANT WAVES								
120.080	01/14/72	0216GMT	26 32.0N	117 49.0W		10	15.62	33.663		313.3
		BOTTOM	3926M	WIND 350 06KT	WEATHER 2					
		DOMINANT WAVES	340 08 08							
123.036	01/15/72	0553GMT	27 26.0N	114 36.0W		10	15.26	33.727		301.0
		BOTTOM	43M	WIND 200 04KT	WEATHER 0					
		DOMINANT WAVES								
123.037	01/15/72	0643GMT	27 24.0N	114 40.0W		10	15.03	33.703		298.0
		BOTTOM	69M	WIND 340 05KT	WEATHER 0					
		DOMINANT WAVES								
123.042	01/15/72	0845GMT	27 14.0N	114 49.0W		10	15.10	33.702		299.5
		BOTTOM	1021M	WIND 350 09KT	WEATHER 0					
		DOMINANT WAVES	350 04 04							
123.045	01/15/72	1040GMT	27 08.0N	115 10.0W		10	15.26	33.672		305.0
		BOTTOM	3832M	WIND 360 13KT	WEATHER					
		DOMINANT WAVES								
123.050	01/15/72	1320GMT	26 58.0N	115 31.0W		10	15.30	33.659		306.8
		BOTTOM	3546M	WIND 360 10KT	WEATHER					
		DOMINANT WAVES								
127.033	01/16/72	1433GMT	26 57.5N	114 02.0W		10	15.18	33.771		296.1
		BOTTOM	63M	WIND 280 04KT	WEATHER 2					
		DOMINANT WAVES	300 01 06							

## RV DAVID STARR JORDAN

## CALCOFFI CRUISE 7211

## TEN METER DATA

					Z	T	S	02	DT
127.034	01/16/72	1338GMT	26 55.0M	114 06.5W	10	15.66	33.727		309.5
		BOTTOM	84M	WIND 280 10KT					
				WEATHER					
				DOMINANT WAVES					
127.040	01/16/72	1042GMT	26 43.5M	114 29.0W	10	16.22	33.813		315.2
		BOTTOM	2791M	WIND 330 07KT					
				WEATHER					
				DOMINANT WAVES					
127.045	01/16/72	0743GMT	26 33.0M	114 48.5W	10	16.20	33.817		314.5
		BOTTOM	3358M	WIND 330 08KT					
				WEATHER 0					
				DOMINANT WAVES					
127.050	01/16/72	0513GMT	26 23.0M	115 08.0W	10	16.20	33.776		317.5
		BOTTOM	3358M	WIND 330 05KT					
				WEATHER 0					
				DOMINANT WAVES					
130.030	01/16/72	2012GMT	26 29.0M	113 29.0W	10	17.16	34.300		300.6
		BOTTOM	76M	WIND 030 01KT					
				WEATHER 0					
				DOMINANT WAVES 300 01 06					
130.035	01/16/72	2220GMT	26 19.0M	113 48.0W	10	15.78	33.919		298.0
		BOTTOM	260M	WIND 090 01KT					
				WEATHER 0					
				DOMINANT WAVES 090 01 04					
130.050	01/17/72	0654GMT	25 48.0M	114 47.0W	10	16.88	33.956		319.4
		BOTTOM	3642M	WIND 330 08KT					
				WEATHER 0					
				DOMINANT WAVES					
133.023	01/18/72	1605GMT	26 08.5M	112 40.0W	10	18.66	34.492		321.6
		BOTTOM	73M	WIND 00KT					
				WEATHER 1					
				DOMINANT WAVES 270 01 04					
133.025	01/18/72	1509GMT	26 04.0M	112 47.0W	10	18.84	34.505		324.9
		BOTTOM	30M	WIND 040 02KT					
				WEATHER 6					
				DOMINANT WAVES 300 01 05					
133.030	01/18/72	1231GMT	25 55.0M	113 07.5W	10	18.67	34.483		322.4
		BOTTOM	192M	WIND 310 08KT					
				WEATHER 0					
				DOMINANT WAVES					
133.035	01/18/72	1011GMT	25 44.5M	113 26.0W	10	18.41	34.477		316.7
		BOTTOM	465M	WIND 320 07KT					
				WEATHER 0					
				DOMINANT WAVES					
133.040	01/18/72	0743GMT	25 34.5M	113 45.5W	10	16.44	33.891		314.4
		BOTTOM	2791M	WIND 340 05KT					
				WEATHER 0					
				DOMINANT WAVES					
133.050	01/18/72	0303GMT	25 13.5M	114 24.0W	10	17.24	34.067		319.4
		BOTTOM	3690M	WIND 350 05KT					
				WEATHER					
				DOMINANT WAVES					

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 7201

## TEN METER DATA

			Z	T	S	02	DT
137.022	01/18/72 2009GMT 25 36.0N 112 15.0W BOTTOM 52M WIND 200 05KT WEATHER 1 DOMINANT WAVES 250 01 04		10	18.90	34.493		327.3
137.030	01/19/72 0038GMT 25 17.0N 112 45.5W BOTTOM 465M WIND 340 04KT WEATHER 1 DOMINANT WAVES 270 01 04		10	18.88	34.519		324.9
137.035	01/19/72 0300GMT 25 10.5N 113 05.0W BOTTOM 1392M WIND 320 04KT WEATHER DOMINANT WAVES		10	20.20	34.544		355.6
137.050	01/19/72 1107GMT 24 39.5N 114 03.0W BOTTOM 3358M WIND 350 06KT WEATHER DOMINANT WAVES		10	20.50	34.524		364.6



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