

UNIVERSITY OF CALIFORNIA    SCRIPPS INSTITUTION OF OCEANOGRAPHY

# data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6901  
7-30 January 1969

and

CalCOFI Cruise 6902  
26 January - 11 March 1969

SIO Reference 76-14  
1 September 1976

CONTENTS

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CalCOFI Cruise 6901  
7-30 January 1969

and

CalCOFI Cruise 6902  
26 January - 11 March 1969

Sponsored by  
Marine Research Committee

SIO Reference 76-14

Approved for distribution:

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



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## INTRODUCTION

The data in this report was collected during cruises 6901\* and 6902 of the California Cooperative Fisheries Investigations (CalCOFI) program aboard the RV David Starr Jordan, the RV Miller Freeman, both of the Bureau of Commercial Fisheries (now National Marine Fisheries Service), and the RV Alexander Agassiz, of the Scripps Institution of Oceanography. The RV Professor Deryugin, of the U.S.S.R., participated in cruise 6902, but data collected aboard this ship has not been received for inclusion in this report. The report preceding this one in the series was SIO Ref. 71-3, which included all data for 1968.

This data was collected in part and processed completely by personnel of the Data Collection and Processing Group (DCPG, MLR), Scripps Institution of Oceanography.

## STANDARD PROCEDURES

### Hydrographic Cast Data

Most of the hydrographic casts consisted of 18 bottles. At most stations the maximum sampling depth was 600 meters, bottom depth permitting. Temperature, oxygen, and nutrients were determined for all depths on each station, but samples from only five selected depths were used to determine salinity for comparison with the STD.

On STD lowerings where hydrographic casts were not made, a single Nansen bottle was lowered to a depth of approximately 10 meters. Temperature, salinity, oxygen, and nutrients were determined for most of these samples. On the RV David Starr Jordan water samples at some stations were collected with a Niskin rosette lowered on the STD cable.

In general, paired protected reversing thermometers were used to determine temperatures which were recorded in hundredths of a Celsius degree. Temperatures determined using unprotected (pressure) thermometers or surface "bucket" thermometers were recorded to tenths of a degree. Sample bottles used below 100 meters were equipped with unprotected thermometers.

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\*The first two digits represent the year and the second two 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.



Salinities were determined with three types of salinometers:

1. Australian Autolab inductive
2. Washington bridge conductive, and
3. Hytech (now Plessey Environmental Systems) inductive.

The Autolab was used to analyze the samples returned from the RV Miller Freeman. The Washington bridge was used to analyze samples from the 3660 meter cast lowered on station 90.65 during 6902-Alexander Agassiz. Four different Hytech instruments were used for all other samples. With the exception of the samples from the RV Miller Freeman, all samples were analyzed at sea.

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). On 6902-Alexander Agassiz, problems with the microburet necessitated running most of the samples with a 10-ml buret.

Phosphate, silicate, nitrite, and nitrate were determined using a first generation Technicon AutoAnalyzer<sup>R</sup> and methodologies developed at the National Marine Fisheries Service based on the methods of Strickland (1968).

The observed data could not be evaluated using standard DCPG techniques (Klein, 1973) due to the sparsity of salinity data. Temperatures and salinities were compared with the STD values while oxygen and nutrient values were plotted against depth.

#### In Situ Salinity/Temperature/Depth Recorder (STD) Data

A digital data logger was used for recording the data from the STD on the RV Alexander Agassiz and the RV David Starr Jordan. The data taken aboard the RV Miller Freeman during cruise 6902 was tabulated at standard depths from the analog recordings.

The manufacturer of the Hytech Model 9006 STD (now Plessey Environmental Systems) claims an accuracy of  $\pm 0.05^{\circ}\text{C}$  on all temperature ranges with repeatability of  $\pm 0.01^{\circ}\text{C}$ , and an accuracy of  $\pm 0.03^{\text{‰}}$  on all salinity ranges with repeatability of  $\pm 0.01^{\text{‰}}$ .



Comparisons of the sample bottle observations with the STD data from the corresponding depths resulted in the application of the following corrections to the tabulated STD data:

Cruise 6901:

RV Alexander Agassiz: No correction was applied to the temperature. A correction of  $0.03\text{‰}$  was applied to the salinity data for most lowerings. Because the salinity circuits appeared to drift, they required occasional adjustment and, consequently, larger corrections were applied to a few lowerings with the correction indicated by footnote.

RV David Starr Jordan: No correction was applied to the temperature. The salinity sensor had apparently not been tested before it was used for this cruise and the data required a correction varying linearly from  $-0.65\text{‰}$  at the surface to  $-0.74\text{‰}$  at 500 meters.

Cruise 6902:

RV Alexander Agassiz: A temperature correction of  $-0.029^{\circ}\text{C}$  and a salinity correction of  $0.036\text{‰}$  were applied over the entire depth range (0 - 500 meters).

RV David Starr Jordan: A temperature correction of  $-0.016^{\circ}\text{C}$  and a salinity correction of  $-0.054\text{‰}$  were applied over the entire depth range (0 - 500 meters).

RV Miller Freeman: Only the 10-meter samples were available for comparison, but these agreed so well with most of the corresponding STD data that no corrections were applied to either temperature or salinity.

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.

During cruise 6902 the RV Alexander Agassiz occupied some stations previously occupied by the other two ships. These included special stations on lines 90 and 120 for extensive 24-hour day/night net tow studies and other biological work. For this reason the times of the Nansen bottle cast and the STD lowering may have differed by as much as 10 hours. It will be noticed that when some stations were occupied by different ships the reported bottom depths were considerably different, the result of irregular bottom topography, differences in position resulting from uncertainties in dead reckoning navigation, or the rounding of position data to the half minute.

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

1. Data from the sample bottle casts is tabulated with the observed levels of depth on the left of a page, and standard depth values of temperature and oxygen interpolated from these observations on the right.
2. For each STD lowering, temperature and salinity values are read only at standard levels of depth and appear with computed values of DT and DD (see page 7) on the right of the page. Corrections have been applied to the temperature and salinity values as discussed previously in this report. Nutrient data from samples collected with a Niskin rosette is tabulated at observed levels of depth to the left of the STD data.

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
P04	"Reactive" inorganic phosphate-phosphorous	µg at/L
Si03	"Reactive" inorganic silicate-silicon	µg at/L
N02	"Reactive" nitrite-nitrogen	µg at/L
N03	"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

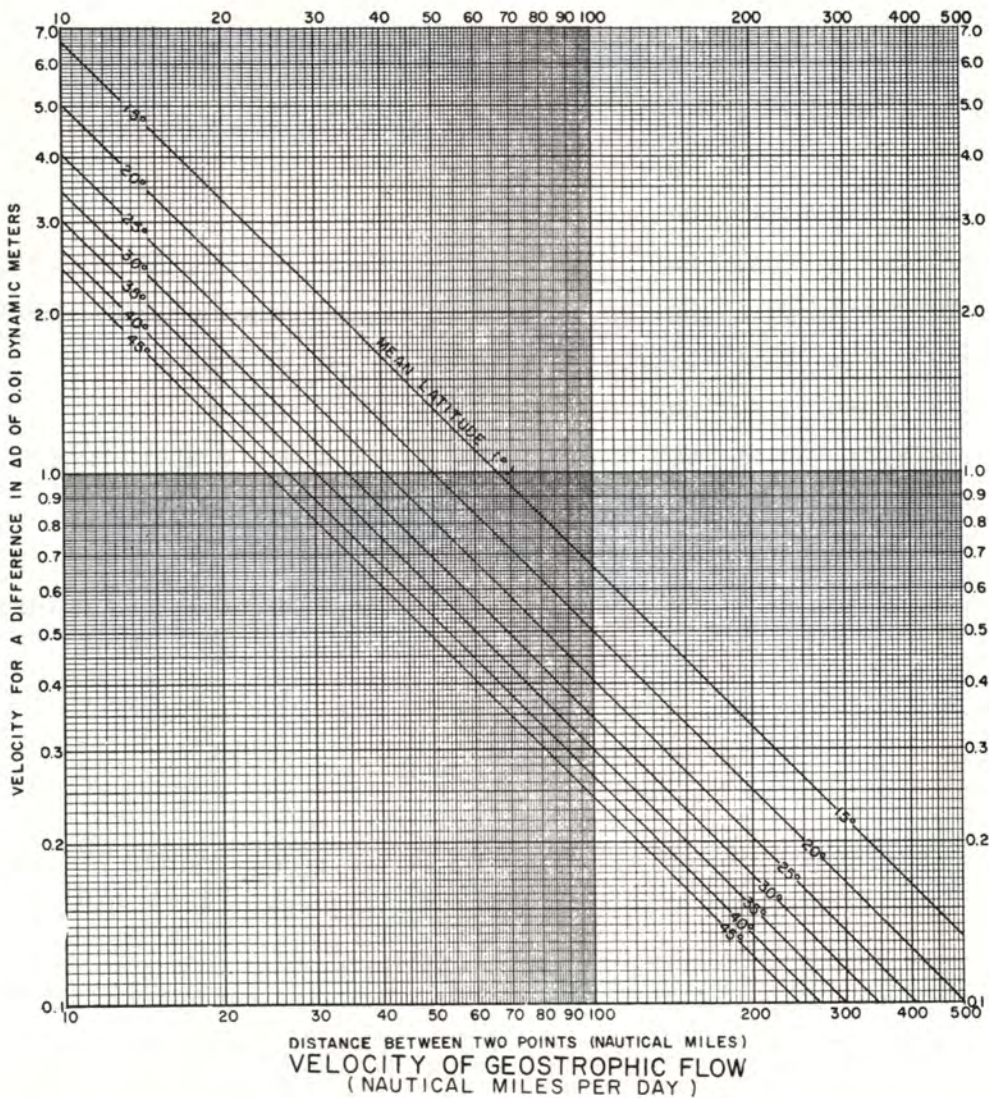
Data which appears to be in error without obvious reason is reported, but flagged uncertain with a U. Such data was not used in the determination of data at standard depths. Footnotes are used to indicate data which has required special processing.



## REFERENCES

- Anderson, G.C., compiler, 1971. "Oxygen Analysis", Marine Technician's Handbook, SIO Ref. No. 71-10, Sea Grant Pub. No. 11.
- Autolab Ind. Pty. Ltd., Sydney, 1960. Inductively Coupled Salinometer MK 111, Model 601, Operating Inst. and Ills. Parts List.
- Bissett Berman Marine Division, 1967. Operation and Maintenance Manual, Laboratory Salinometer Model 6220.
- Brown, N.L., and B.V. Hamon, 1961. An Inductive Salinometer. Deep Sea Research, 8 (1), 65-75.
- Carpenter, J.H., 1965. The Chesapeake Bay Institute technique for Winkler dissolved oxygen method. Limnol. and Oceanogr., 10, 141-143.
- In situ Salinity/Temperature/Depth Monitoring and Recording System, Model 9006, Tech. Rep. No. 102, Hytech Marine Products, The Bissett Berman Corporation (now Plessey Environmental Systems).
- Klein, Hans T., 1973. A new technique for processing physical oceanographic data. SIO Ref. No. 73-14.
- Matthews, D.J., 1939. Tables of the velocity of sound in pure water and seawater for use in echo-sounding and sound-ranging. Second Edition. Hydrographic Department, Admiralty, H.D. 282:pp 52.
- Strickland, J.D.H., and T.R. Parsons, 1968. A practical handbook of seawater analysis. Fish. Res. Board of Canada, Bull. No. 167:pp 311.
- University of Washington, 1960. Univ. of Wash. Dept. of Oceanography, Oct. 1960. Tech. Rep. UW Ref. No. 60-18.





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

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

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



FIGURES  
Cruise 6902

1. CalCOFI Cruise 6902, RV Miller Freeman 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
- 
10. CalCOFI Cruise 6902, RV Alexander Agassiz station positions
  11. CalCOFI Cruise 6902, RV David Starr Jordan station positions
  12. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
  13. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
  14. Horizontal distribution of temperature at 10 meters
  15. Horizontal distribution of salinity at 10 meters
  16. Horizontal distribution of thermosteric anomaly at 10 meters
  17. Horizontal distribution of temperature at 200 meters
  18. Horizontal distribution of salinity at 200 meters
  19. Horizontal distribution of thermosteric anomaly at 200 meters.

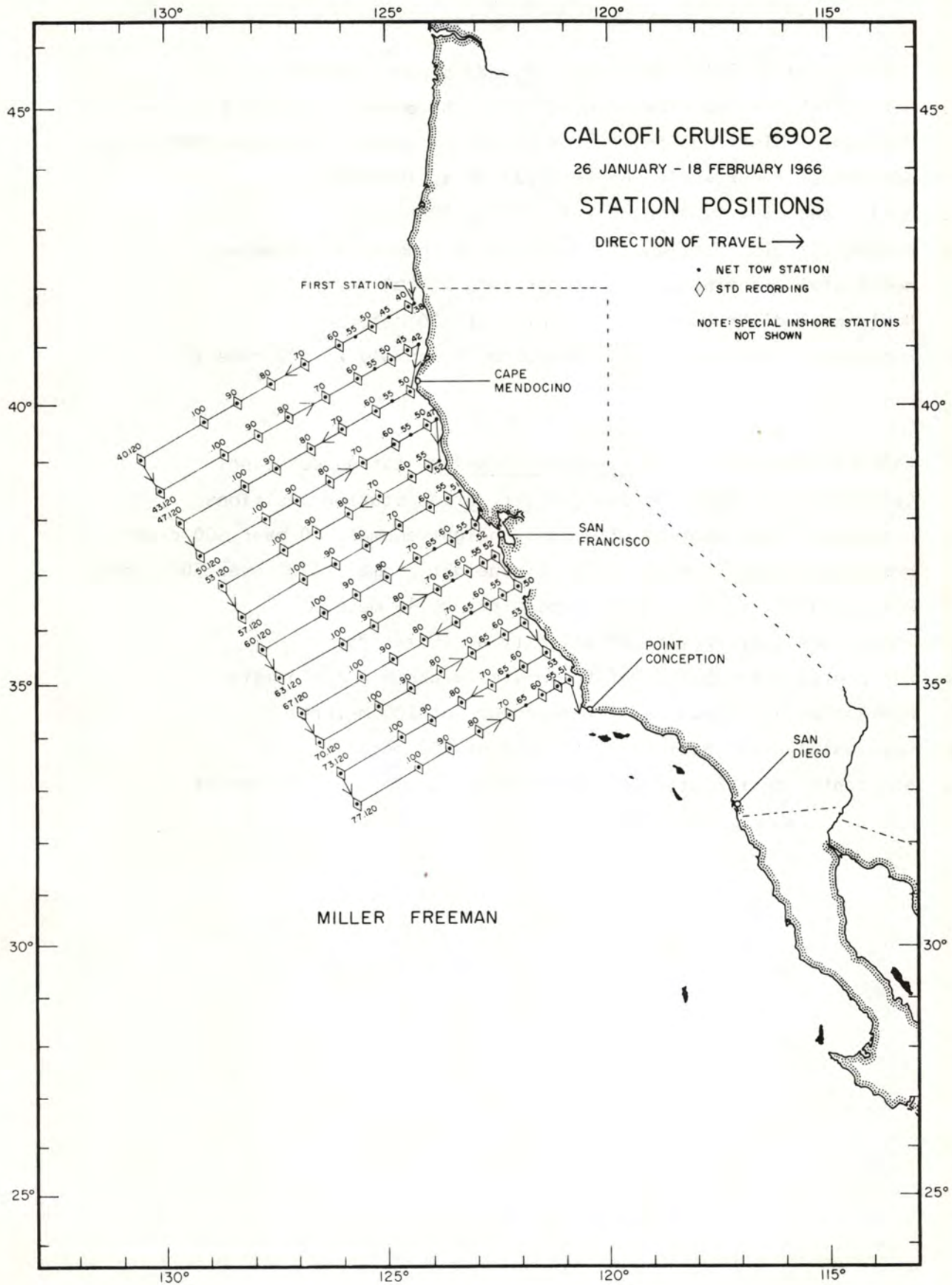


FIGURE 1



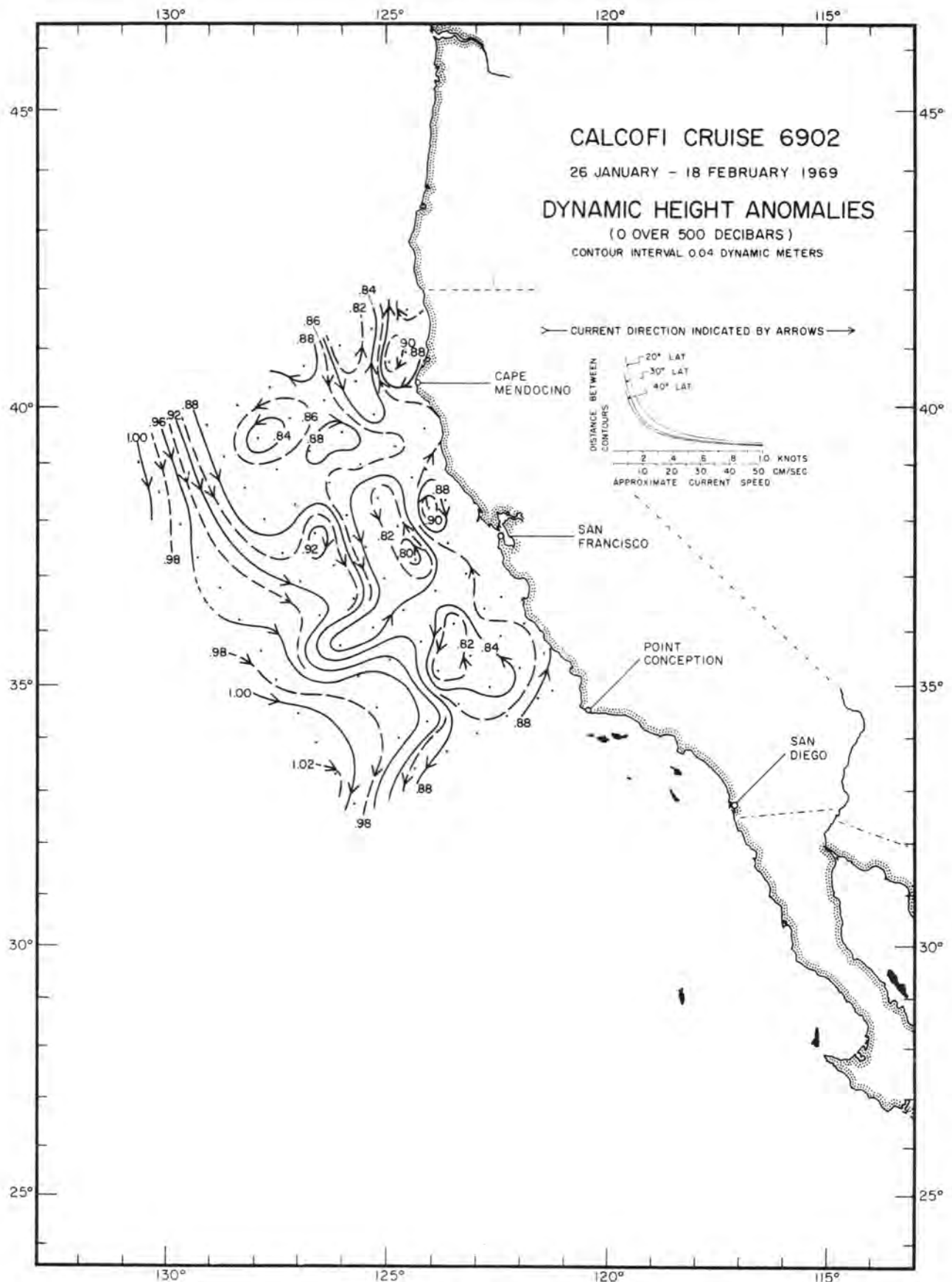


FIGURE 2

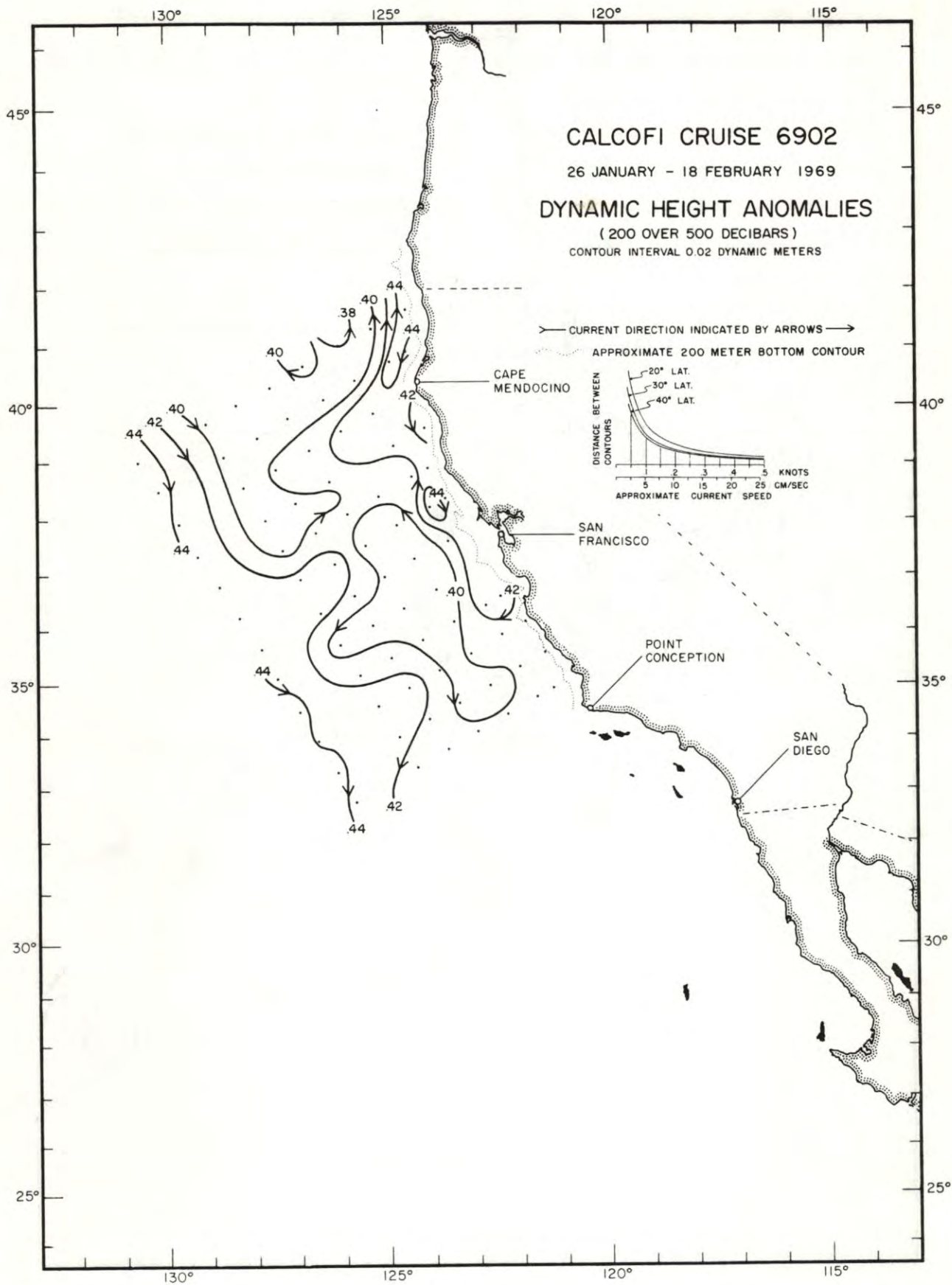


FIGURE 3



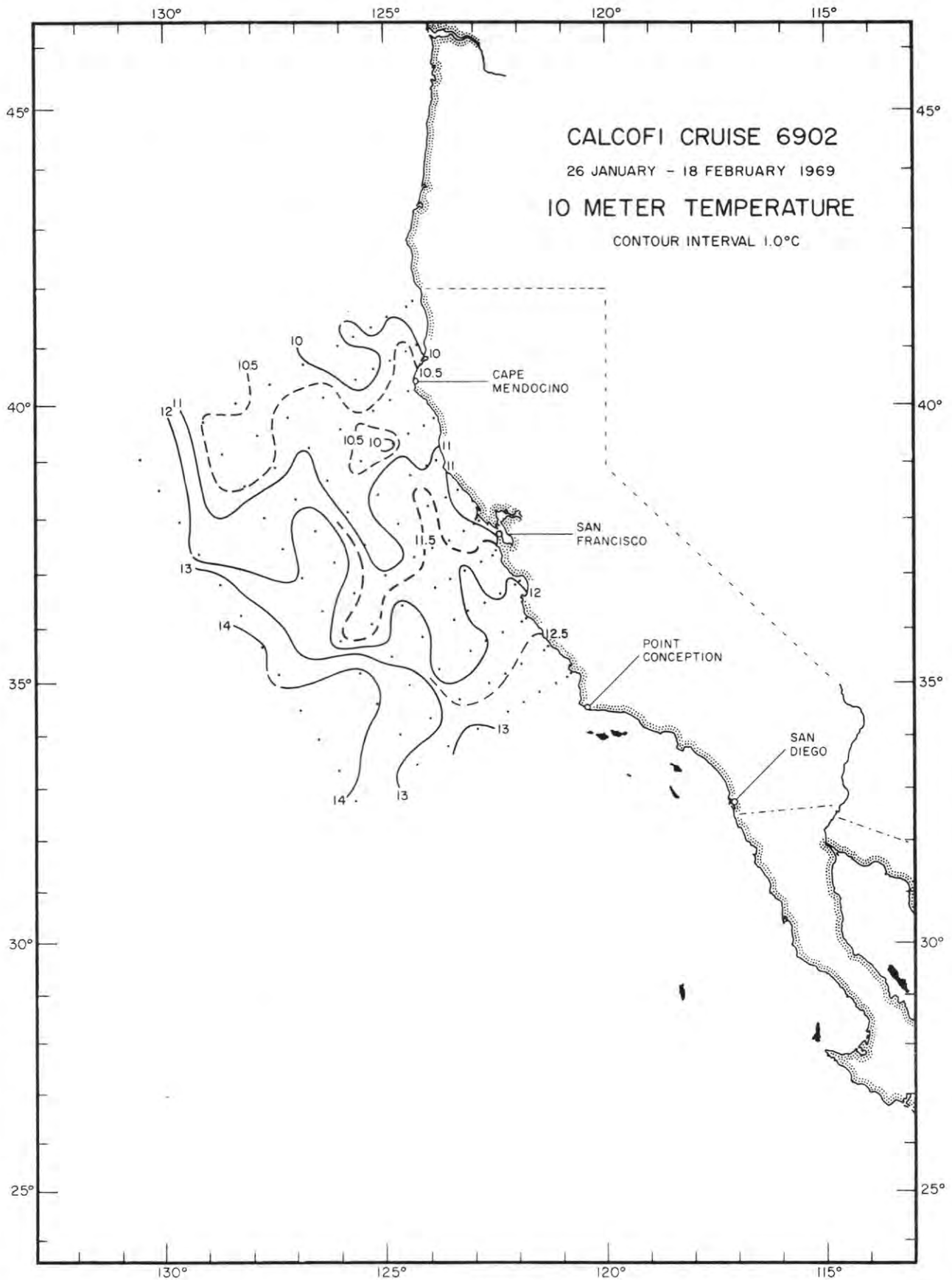


FIGURE 4

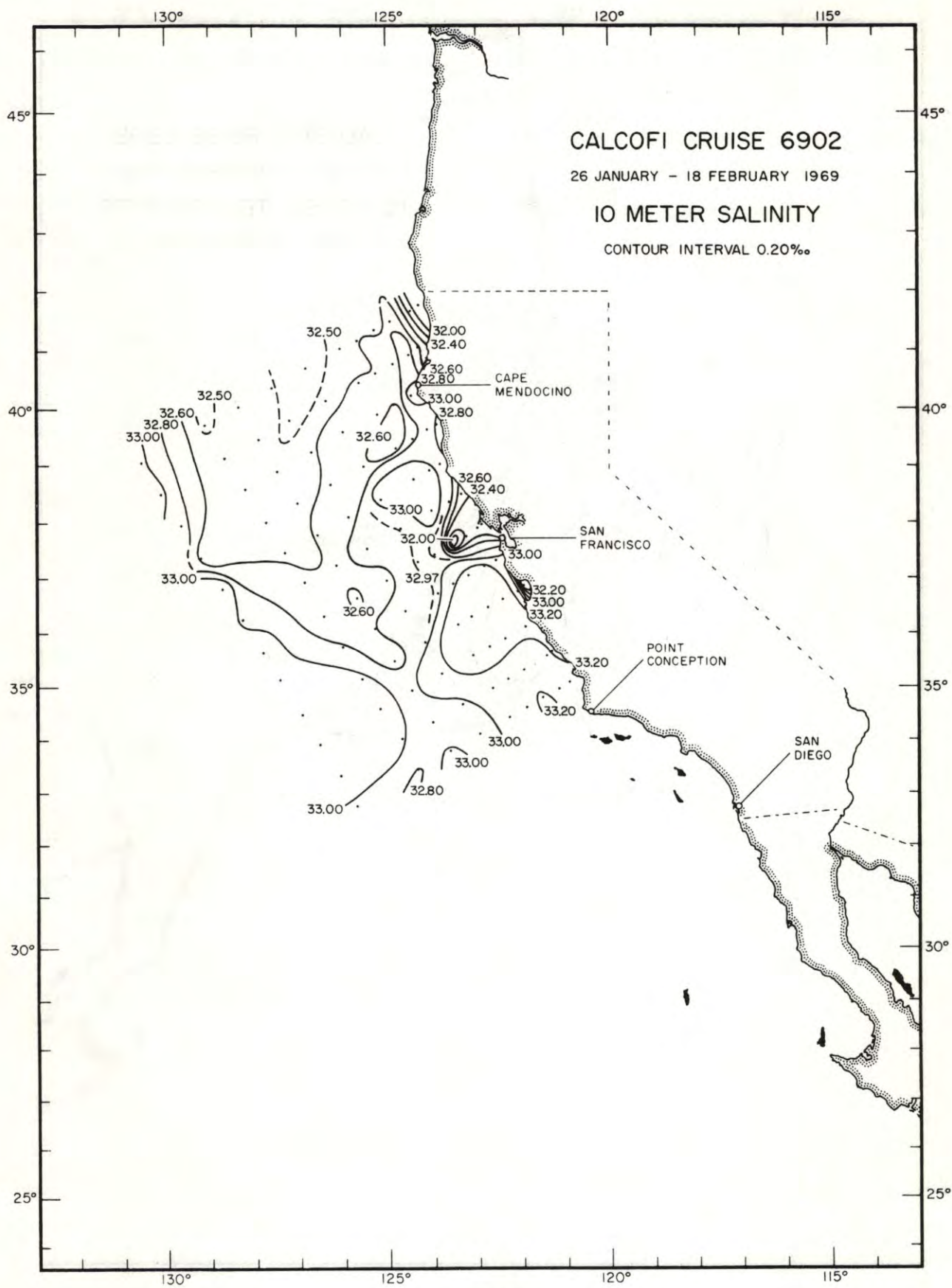


FIGURE 5





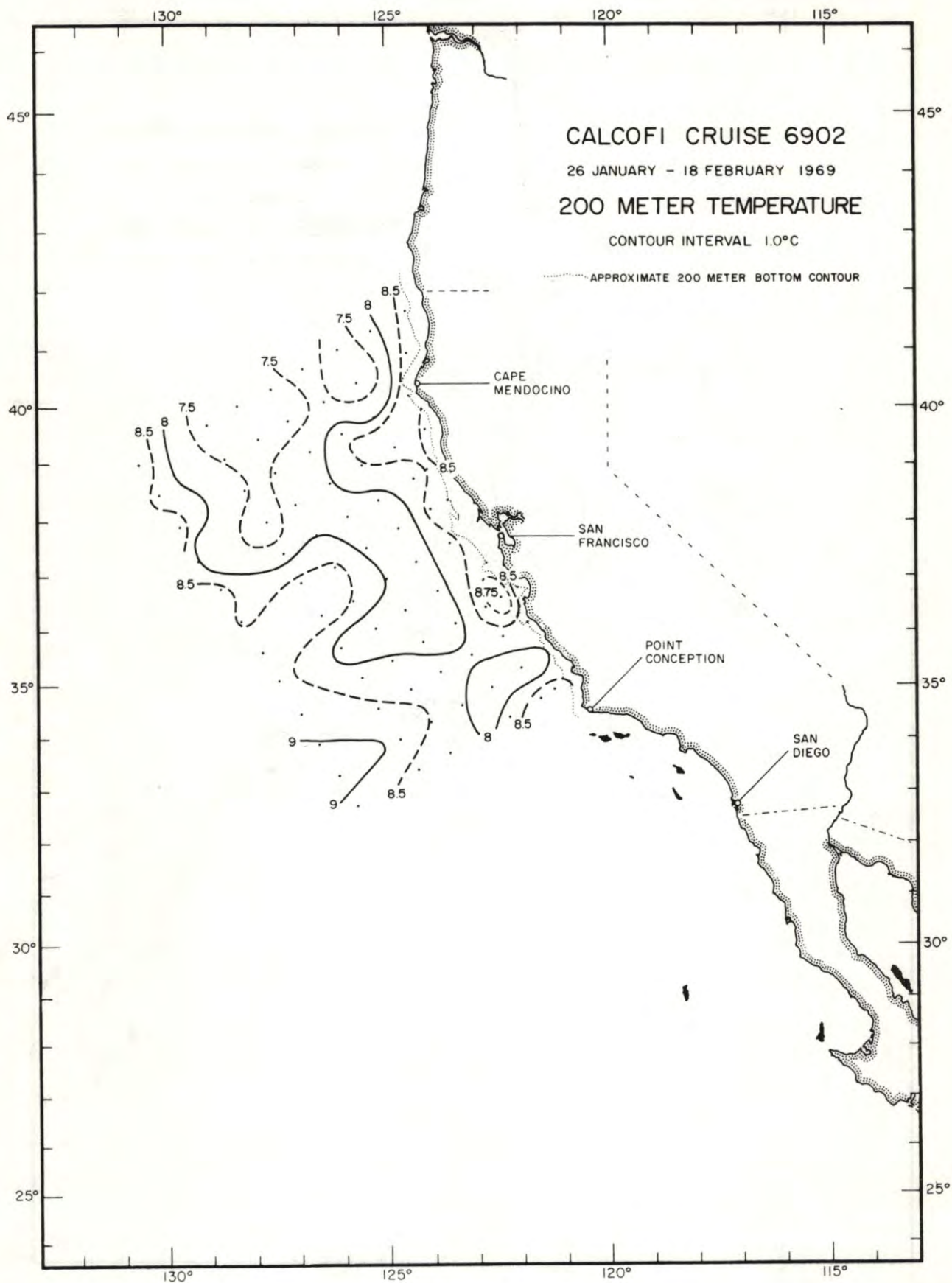


FIGURE 7





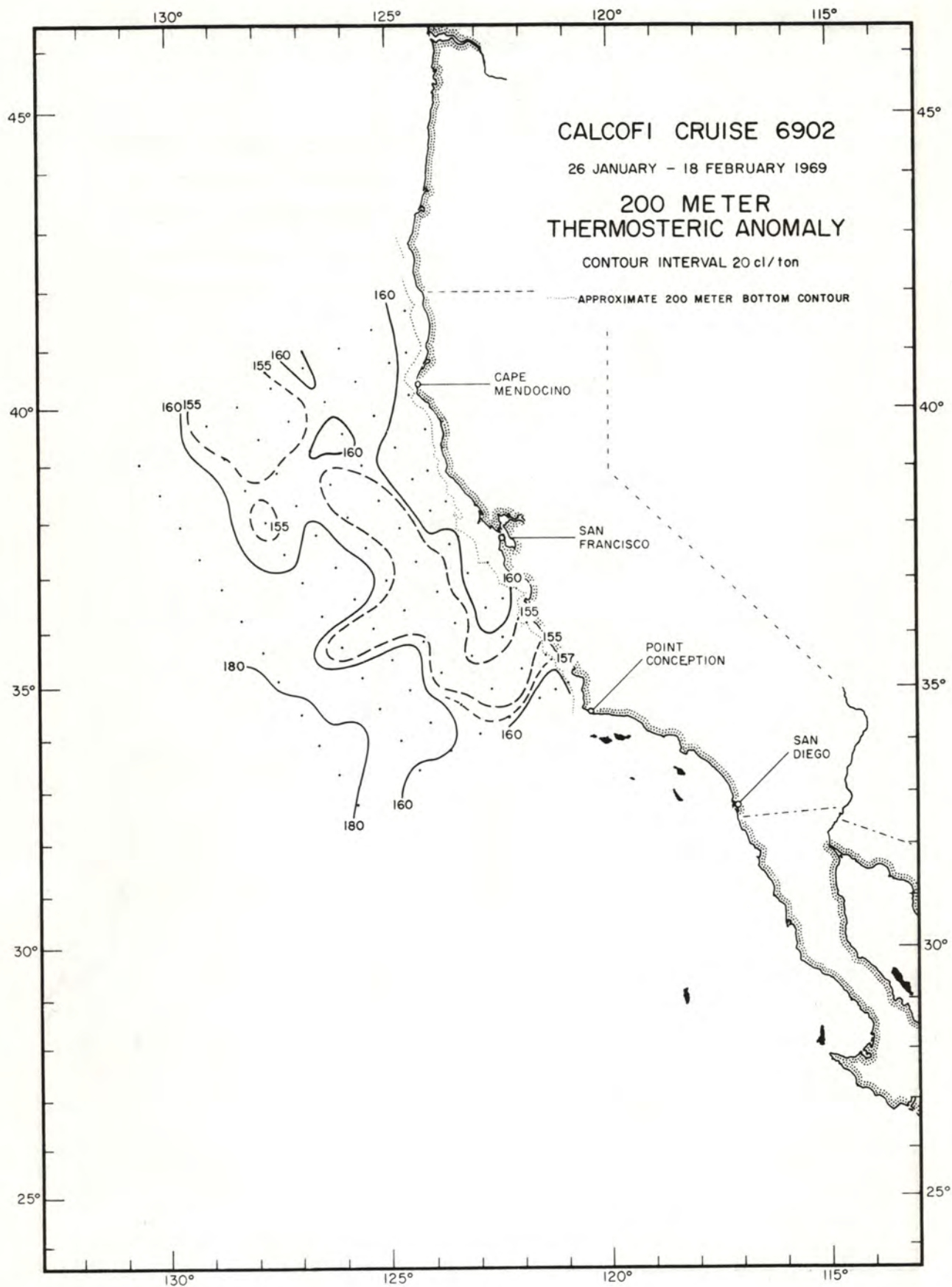


FIGURE 9



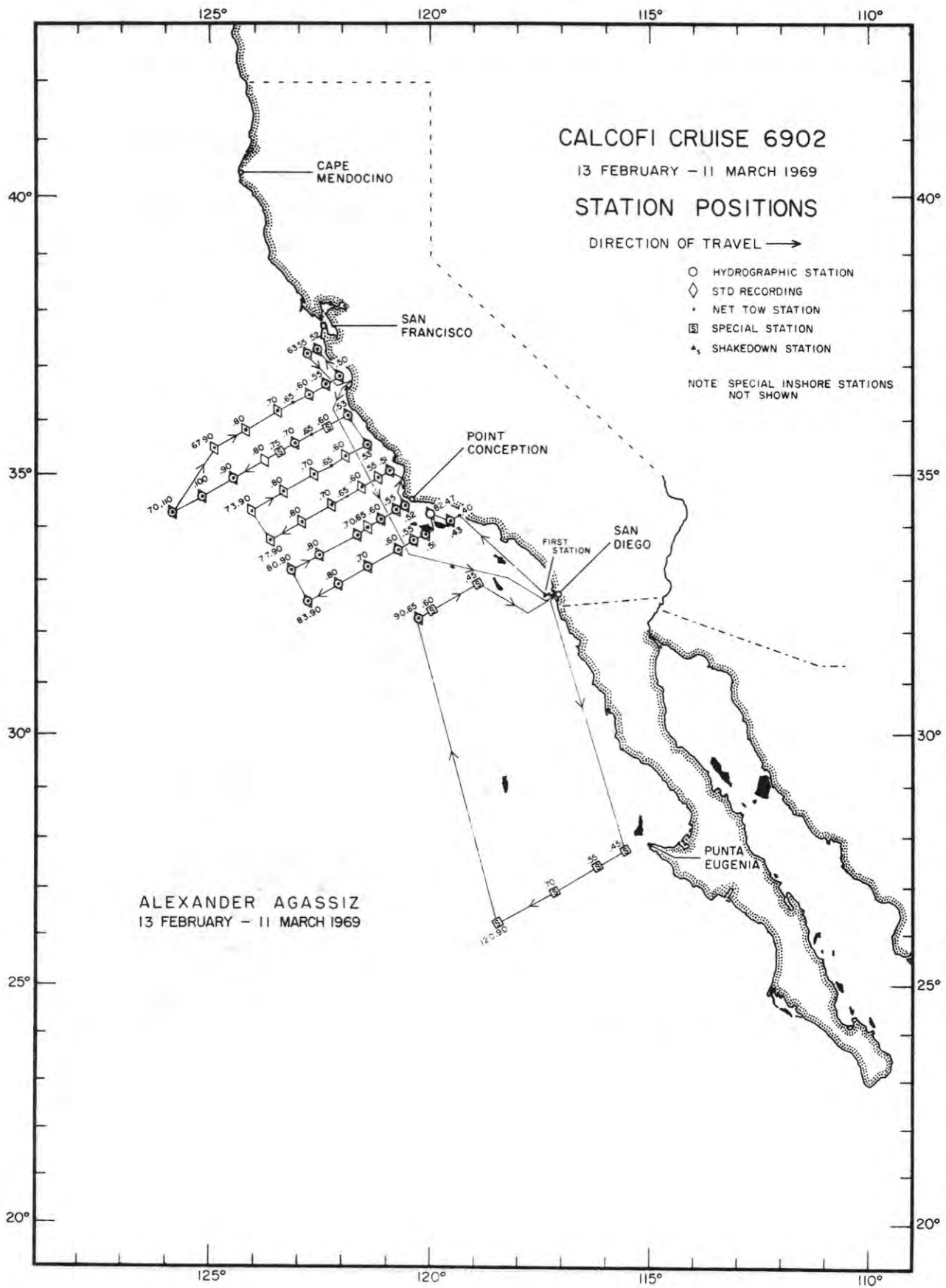


FIGURE 10

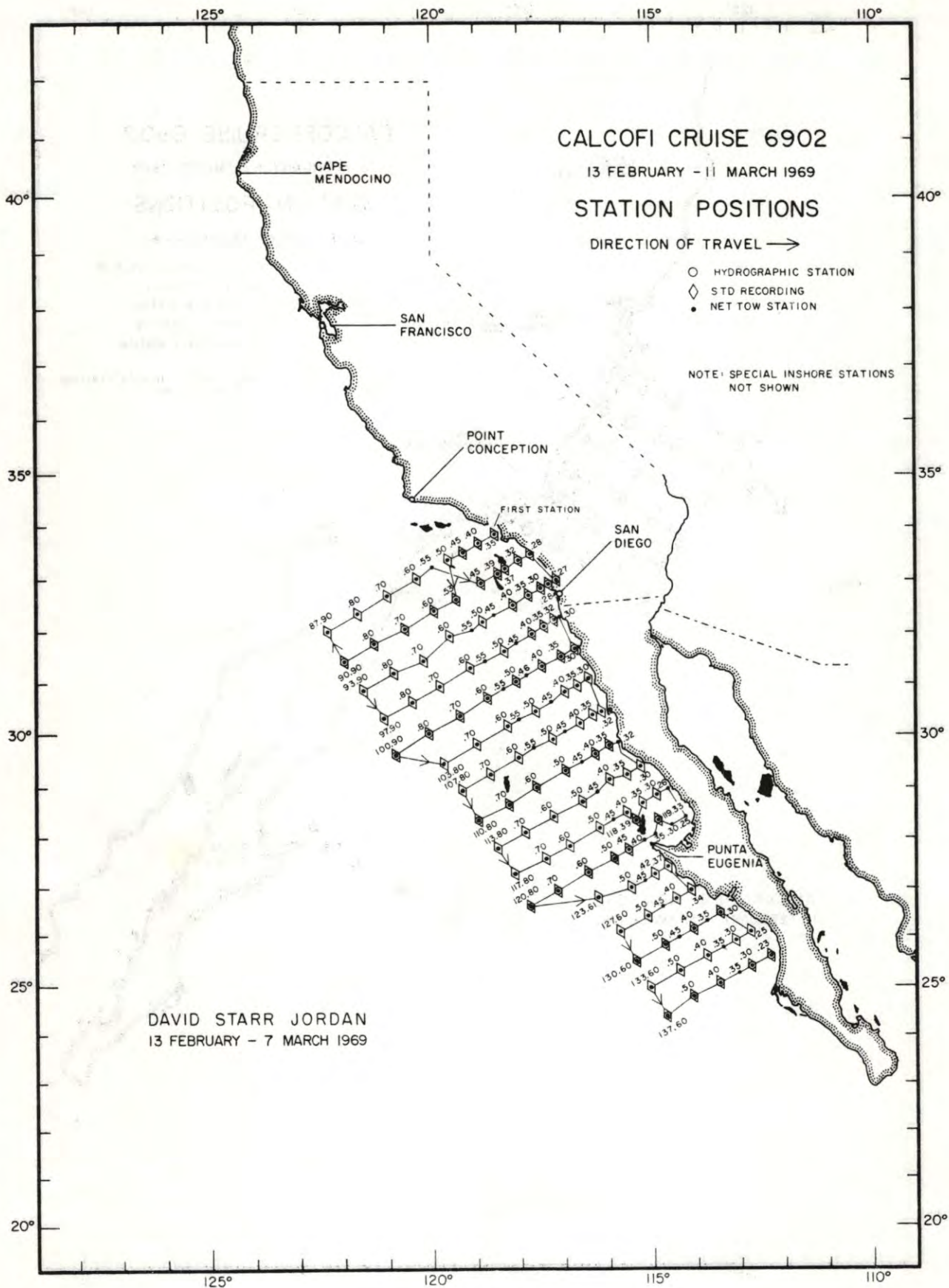


FIGURE II



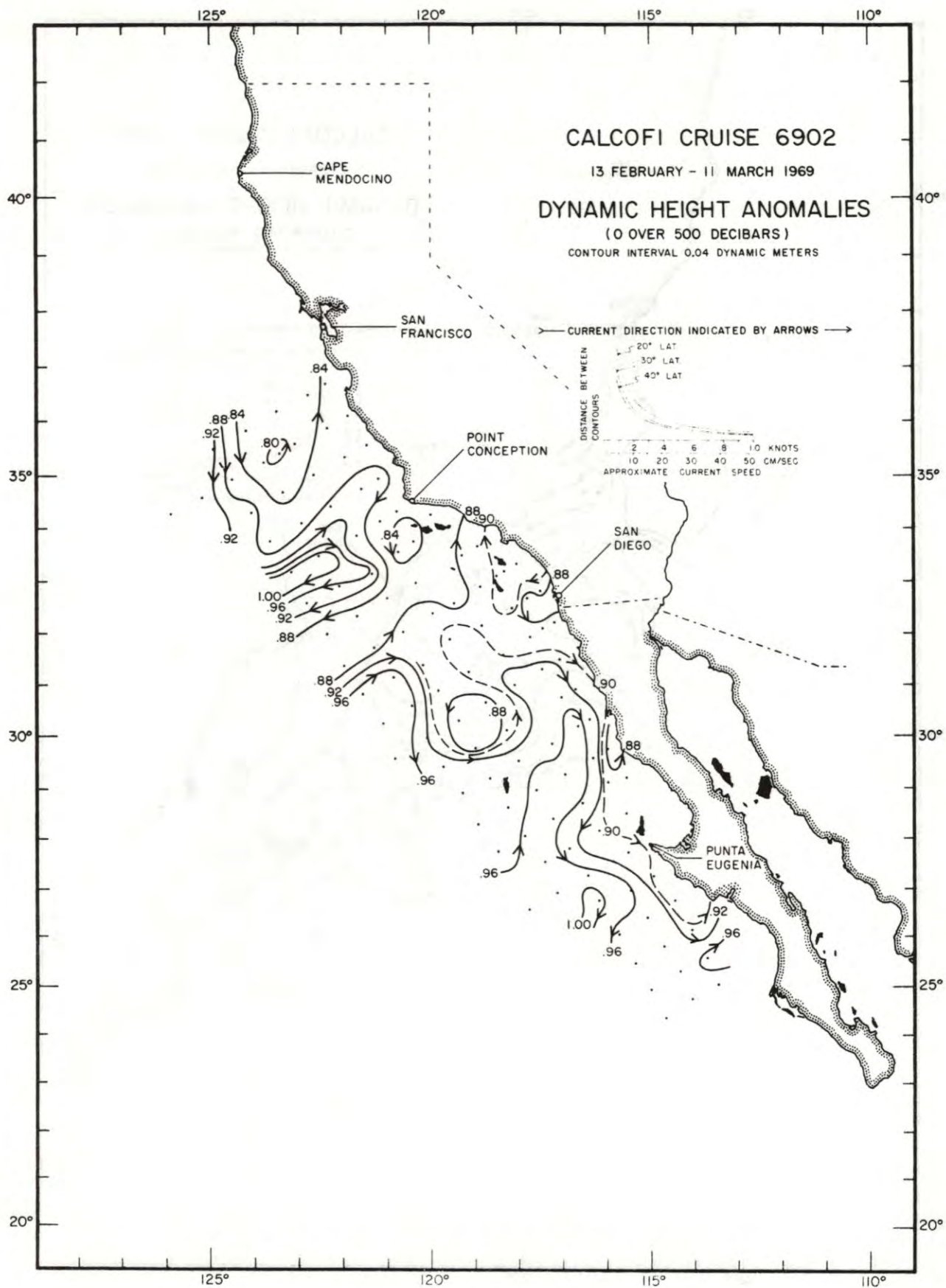


FIGURE 12

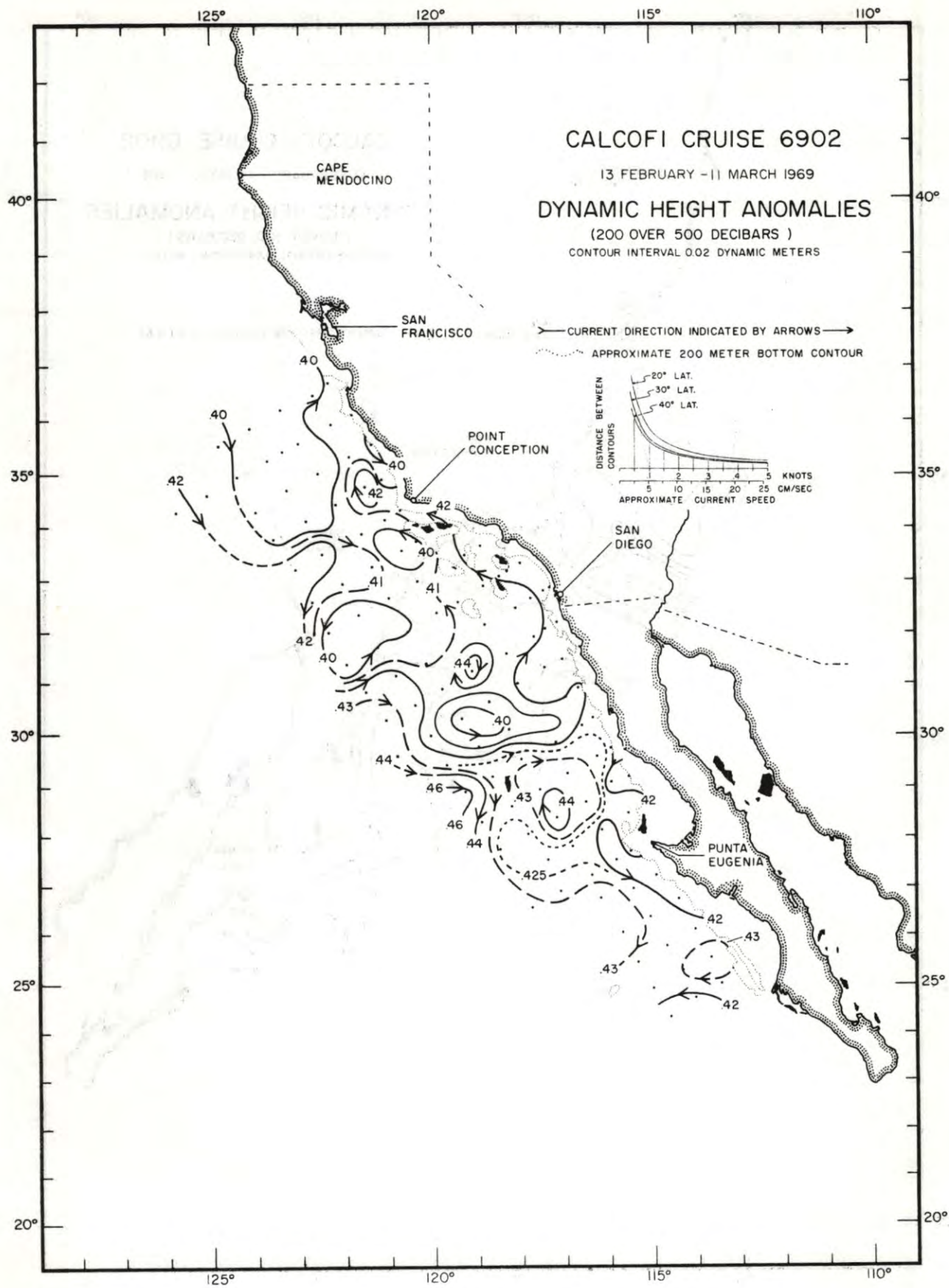


FIGURE 13



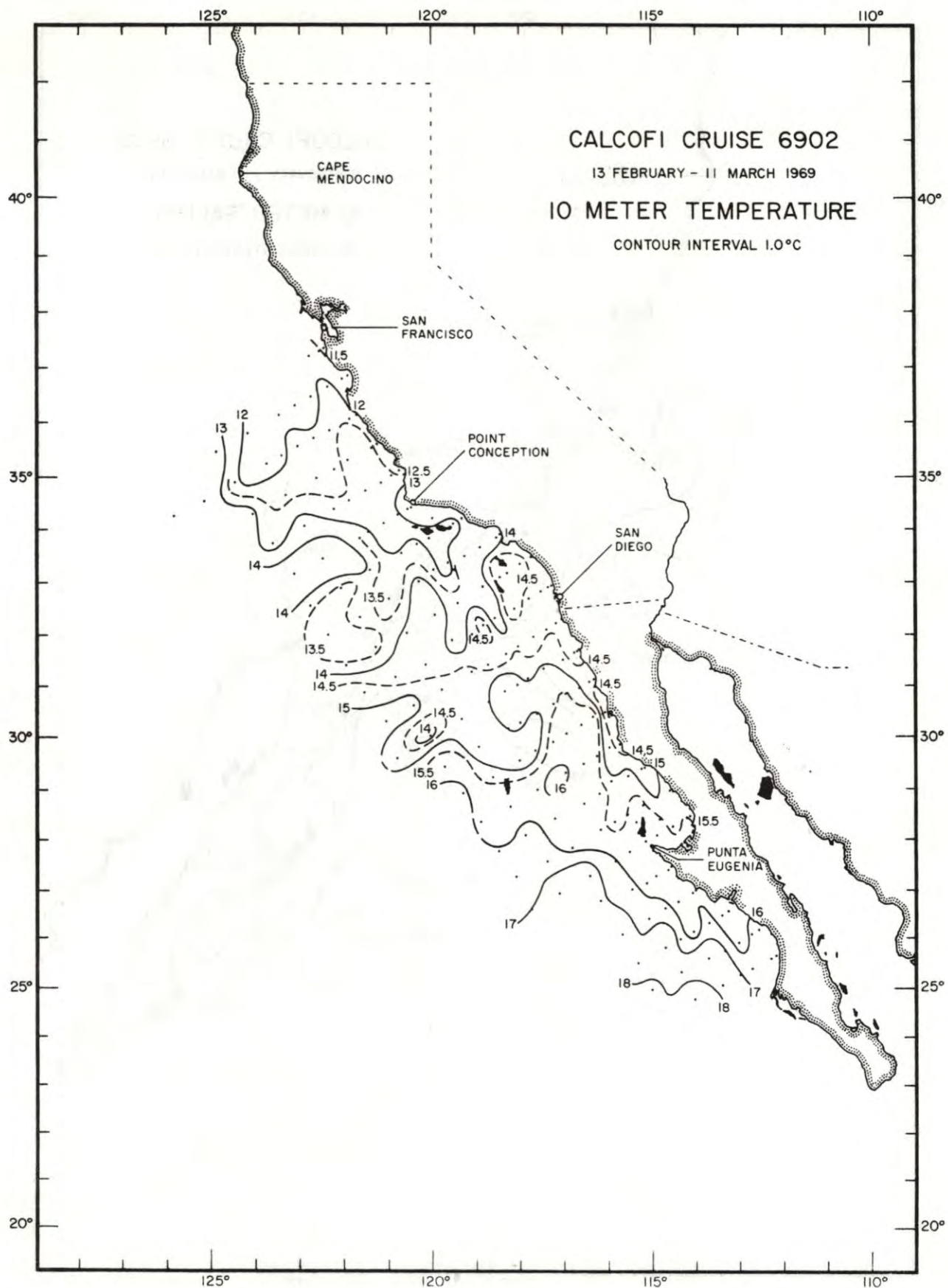


FIGURE 14

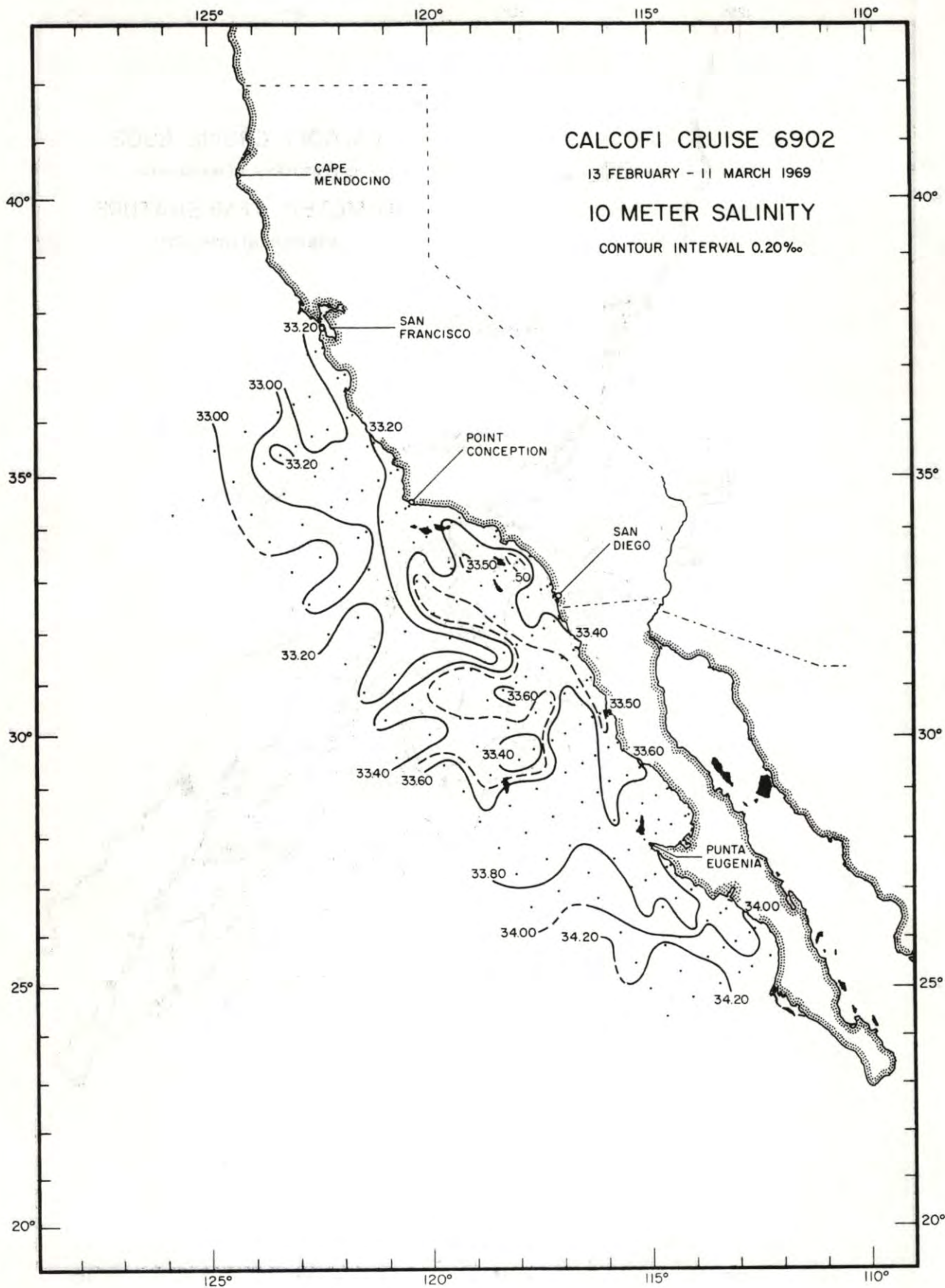


FIGURE 15



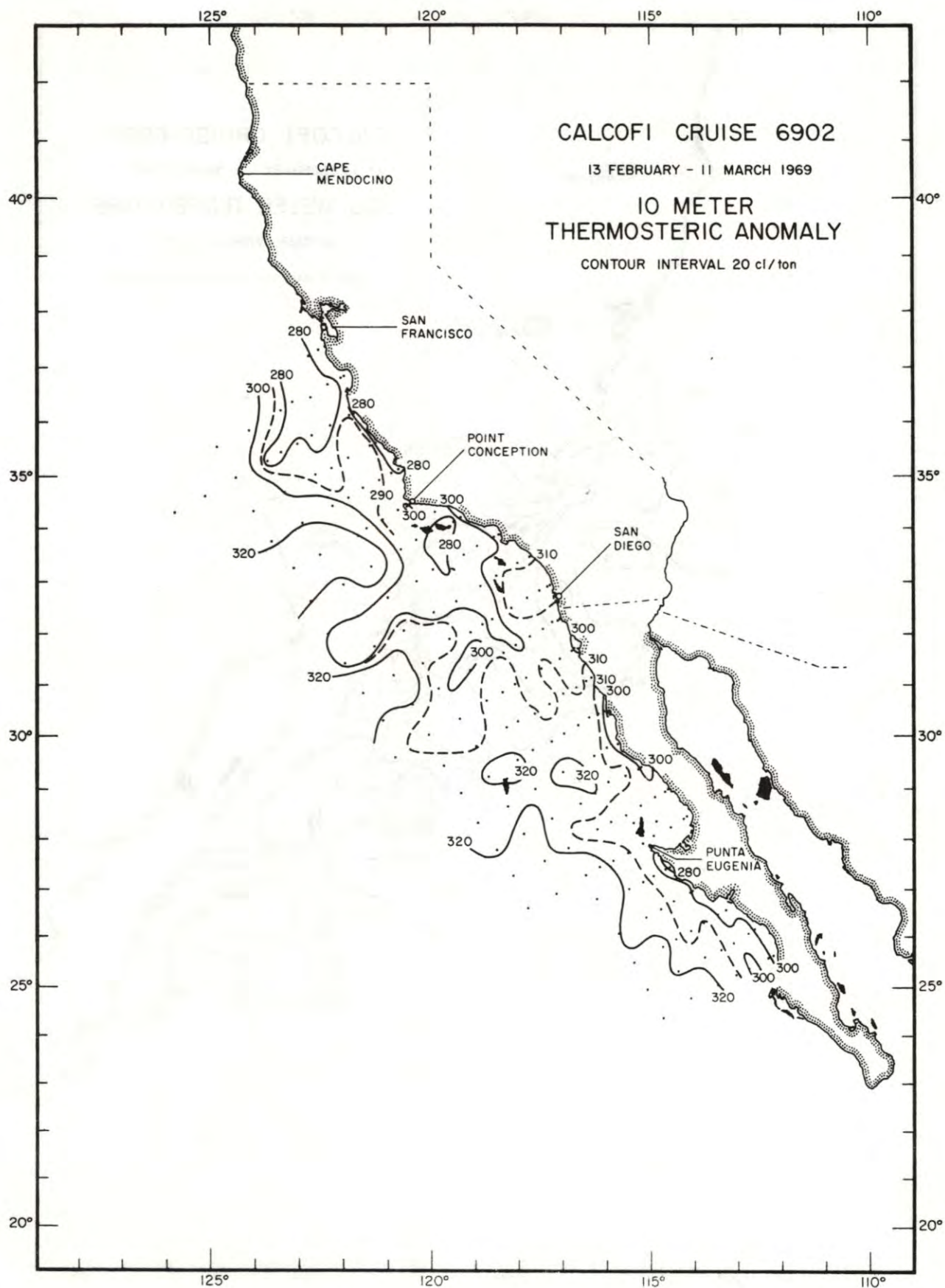


FIGURE 16

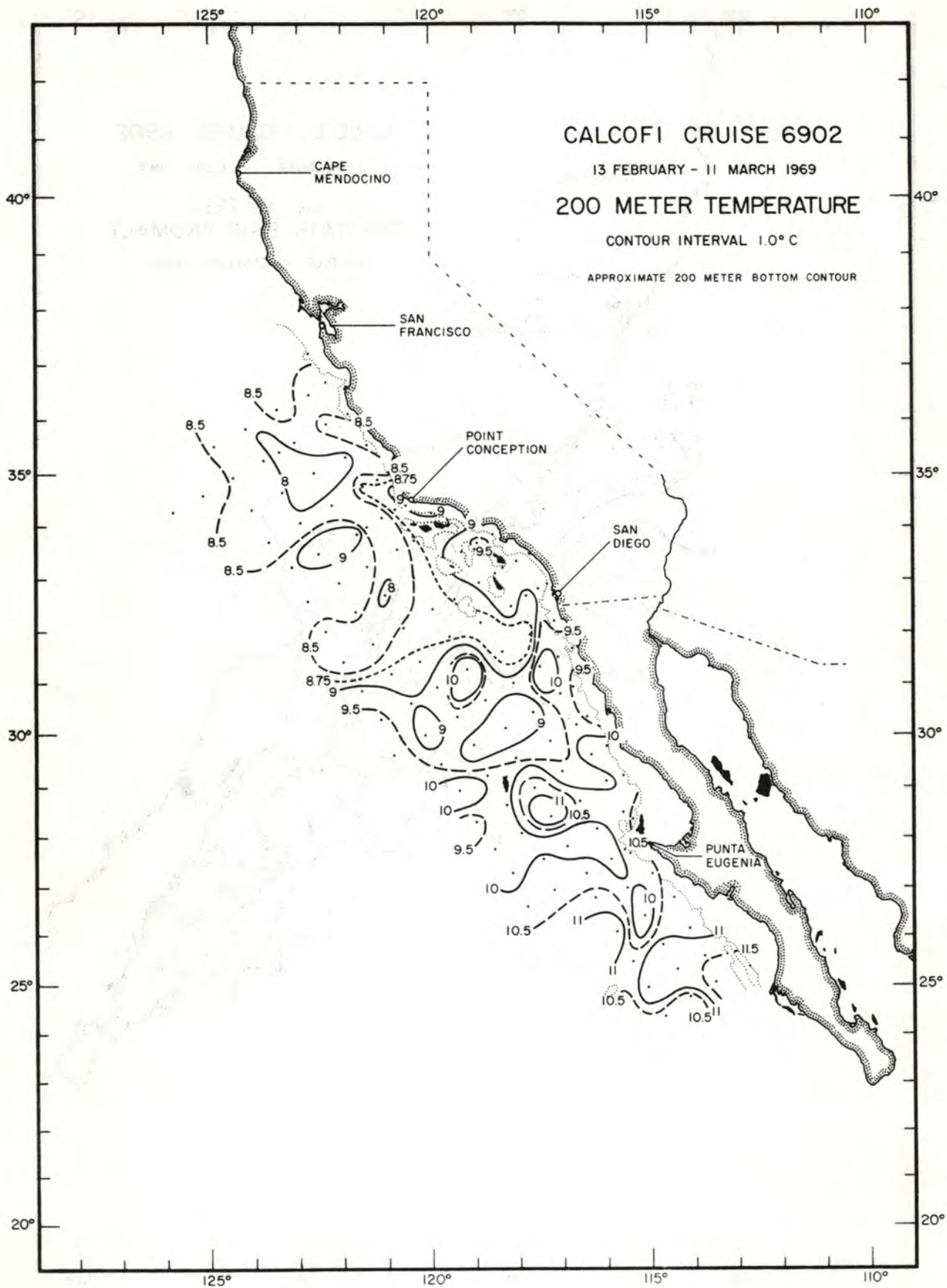


FIGURE 17



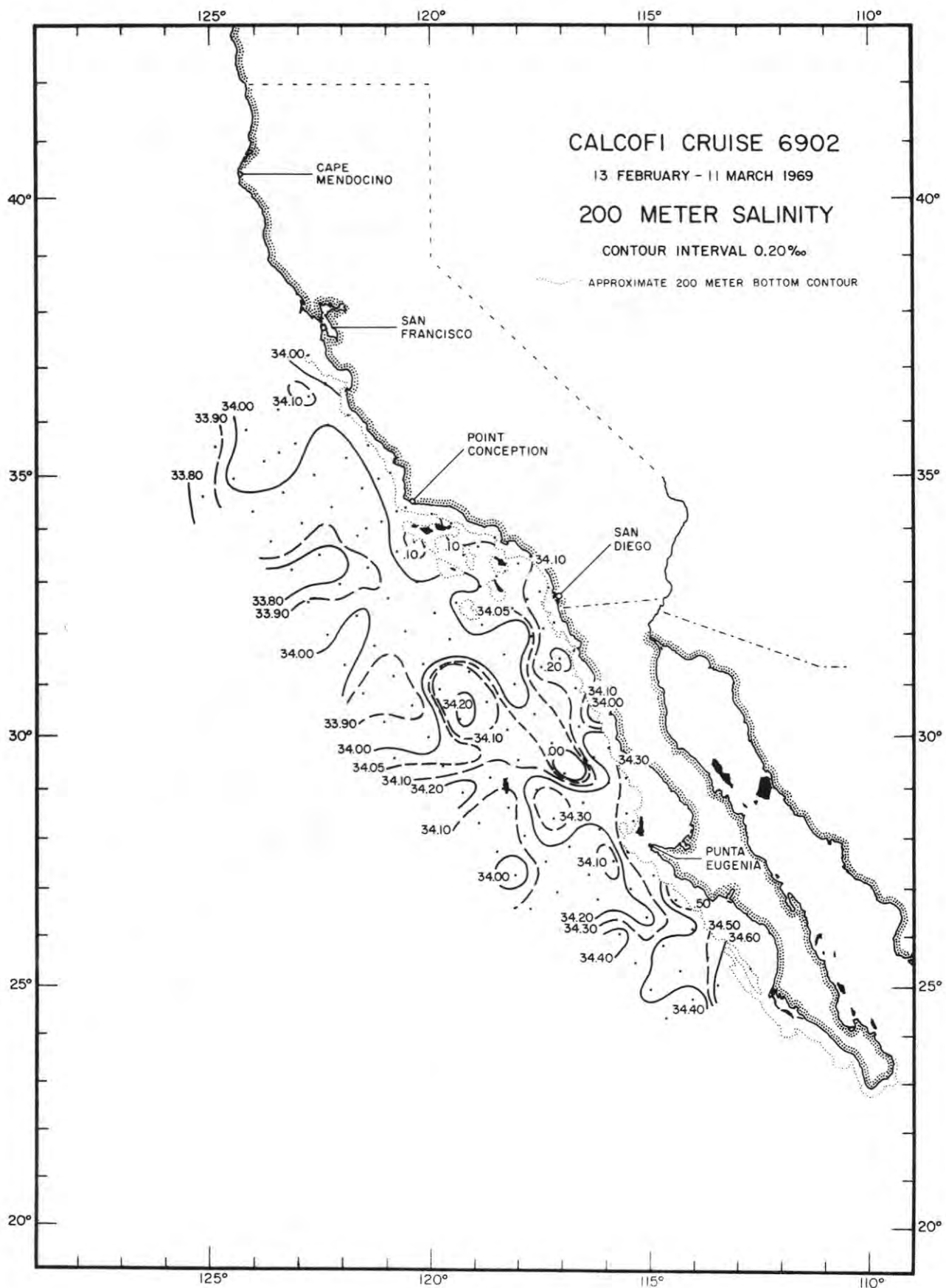


FIGURE 18

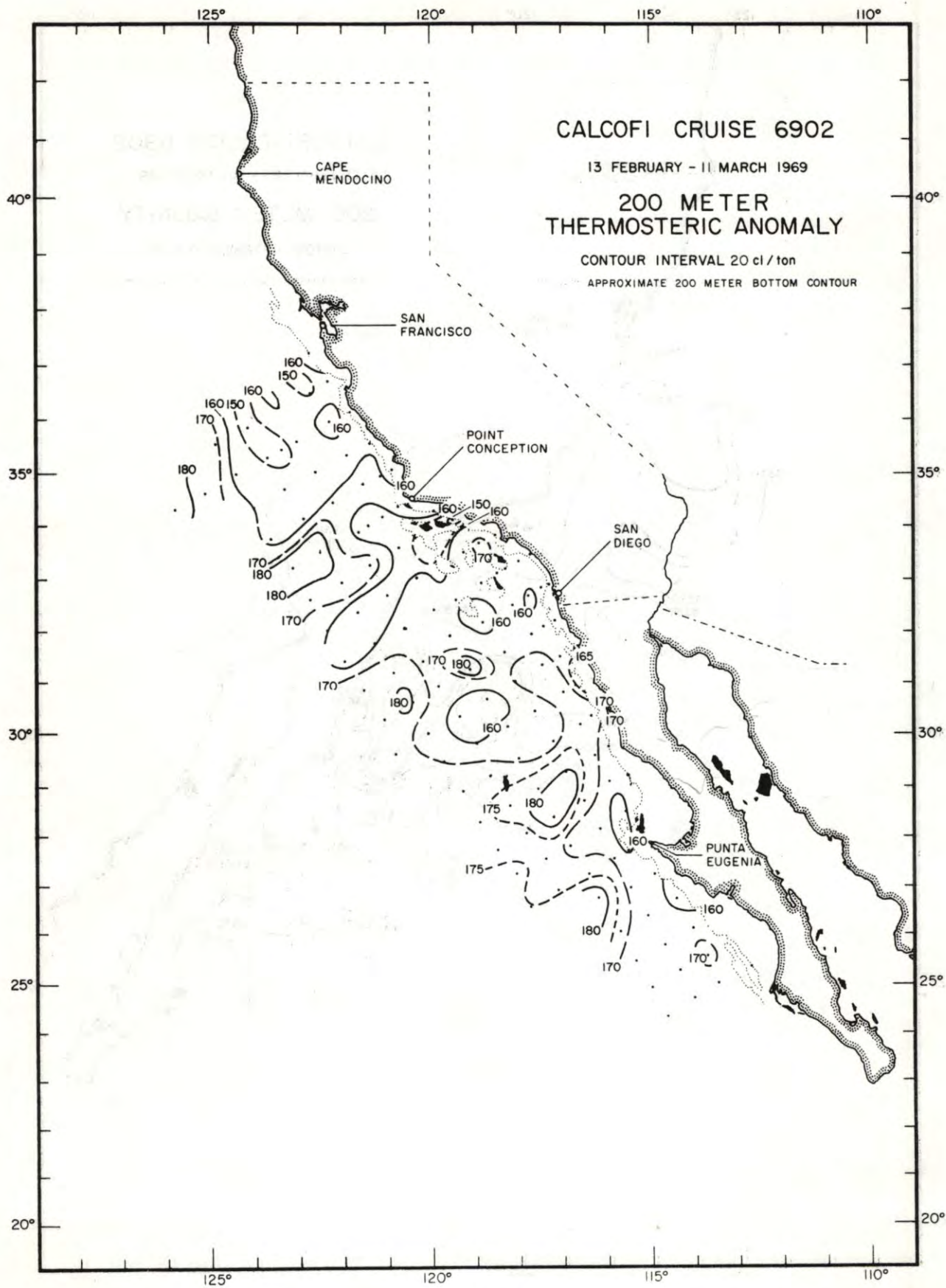


FIGURE 19



PERSONNEL  
Cruise 6902

SHIP'S CAPTAINS

Davis, Laurence E., RV Alexander Agassiz  
Forster, Charles W., RV David Starr Jordan  
Jacobson, Harry, RV Miller Freeman

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz:

Mantyla, Arnold W. (in charge)	Laboratory Technician, S10
Brennen, Robert E.	Marine Technician, S10
Hemingway, George T.	Marine Technician, S10
Kalin, George A.	Physical Science Technician, BCF*
Kaye, Hugh R.	Electronics Technician, S10
Muus, David A.	Marine Technician, S10
Nishimoto, Robert N.	Fishery Biologist, BCF*
Paloma, Pedro A.	Fishery Biologist, BCF*

RV David Starr Jordan:

Counts, Robert C. (in charge)	Fishery Biologist, BCF*
Ballard, Edward N.	Marine Technician, S10
Farrar, Lloyd J.	Marine Superintendent, BCF*
Graham, Jery	Electronics Technician, S10
Mauck, William W.	Marine Technician, S10
Robertson, Scott B.	Marine Technician, S10
Shuey, Ray	Physical Science Technician, BCF*
Vrooman, Andrew	Fishery Biologist, BCF*

RV Miller Freeman:

Waldron, Kenneth D. (in charge Newport, Oregon to San Francisco, California)	Fishery Biologist, BCF**
Dark, Thomas A. (in charge San Francisco to San Diego, California)	Fishery Biologist, BCF**
Lalanne, Jack J.	Fishery Biologist, BCF**
Sanger, Gerald A.	Oceanographer, BCF**
Solmon, Boyd	Fishery Technician, BCF**
Tanoaka, George	Fishery Biologist, BCF*
Thrailkill, James R.	Fishery Biologist, BCF*

\*Bureau of Commercial Fisheries

now National Marine Fisheries Service  
Southwest Fisheries Center

\*\*Bureau of Commercial Fisheries

now National Marine Fisheries Service  
Northwest Fisheries Center

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
41 43.0N		124 38.0W		01/26/69	1848	GMT			290	25KT	2	300 12			
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
0									0	9.75	32.18		24.818	314.0	0
10									10	9.76	32.17		24.808	314.9	.031
20									20	9.84	32.24		24.850	311.0	.063
30									30	10.75	32.90		25.208	275.8	.092
50									50	10.80	33.19		25.425	256.3	.146
75									75	10.68	33.28		25.516	247.5	.209
100									100	10.32	33.47		25.726	227.7	.269
125									125	9.96	33.58		25.872	213.7	.325
150									150	9.45	33.74		26.081	193.8	.376
200									200	8.69	33.87		26.304	172.7	.470
250									250	8.13	33.98		26.476	155.4	.554
300									300	7.70	34.03		26.578	146.7	.632
400									400	6.71	34.03		26.717	133.5	.777
500									500	6.11	34.10		26.850	120.9	.911
600									600	5.47	34.16		26.977	108.9	1.033

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
41 23.0N		125 23.0W		01/27/69	0306	GMT			3163M	270	30KT	2	220 15		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
0									0	9.93	32.54		25.068	290.2	0
10									10	9.95	32.54		25.065	290.5	.029
20									20	9.95	32.54		25.065	290.5	.058
30									30	9.95	32.55		25.073	289.8	.087
50									50	9.94	32.62		25.129	284.4	.145
75									75	9.47	33.15		25.618	237.8	.210
100									100	8.74	33.56		25.054	195.4	.265
125									125	8.63	33.86		26.306	172.6	.312
150									150	8.28	33.90		26.390	164.5	.354
200									200	7.86	34.01		26.539	150.4	.435
250									250	7.37	34.03		26.625	142.2	.510
300									300	6.98	34.05		26.709	134.3	.581
400									400	5.74	34.06		26.865	119.5	.712
500									500	5.40	34.13		26.762	110.3	.833
600									600	4.92	34.20		27.073	99.8	.944

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
41 03.0N		126 08.0W		01/27/69	1016	GMT			3163M	310	20KT	1	320 15		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
0									0	9.79	32.57		25.115	285.8	0
10									10	9.79	32.57		25.115	285.8	.029
20									20	9.79	32.57		25.115	285.8	.057
30									30	9.74	32.63		25.161	281.3	.086
50									50	9.82	32.66		25.180	279.6	.142
75									75	9.62	33.15		25.594	240.2	.207
100									100	8.63	33.55		26.063	195.6	.262
125									125	7.97	33.79		26.351	168.3	.308
150									150	7.68	33.82		26.416	162.0	.350
200									200	7.23	33.95		26.582	146.3	.428
250									250	6.50	33.97		26.697	135.4	.500
300									300	6.37	34.03		26.761	129.3	.568
400									400	5.56	34.11		26.927	113.6	.694
500									500	5.03	34.17		27.037	103.2	.808
600									600	4.62	34.24		27.138	93.5	.912

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
40 43.0N		126 54.5W		01/27/69	1638	GMT			3068M	300	35KT	6	320 15		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
0									0	10.12	32.45		24.767	299.8	0
10									10	10.12	32.45		24.967	299.8	.030
20									20	10.12	32.45		24.967	299.8	.060
30									30	10.13	32.45		24.965	300.0	.090
50									50	10.13	32.45		24.965	300.0	.150
75									75	10.10	32.47		24.985	298.1	.225
100									100	8.95	32.82		25.444	254.4	.295
125									125	8.30	33.20		25.840	216.8	.354
150									150	8.16	33.53		26.119	190.3	.406
200									200	7.66	33.80		26.404	163.2	.495
250									250	6.89	33.89		26.582	146.3	.575
300									300	6.29	33.95		26.709	134.3	.647
400									400	5.48	34.02		26.865	117.5	.778
500									500	5.00	34.08		26.969	109.5	.898
600									600	4.65	34.18		27.087	98.4	1.007



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
40 23.0N		127 40.0W		01/27/69		2106 GMT			1479M	300	35KT	6	310 19		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	10.43	32.52		24.969	299.7	0
									10	10.43	32.52		24.969	299.7	.030
									20	10.43	32.52		24.969	299.7	.060
									30	10.43	32.52		24.969	299.7	.090
									50	10.44	32.52		24.967	299.8	.150
									75	10.33	32.51		24.978	298.8	.225
									100	8.92	33.11		25.675	232.5	.292
									125	8.23	33.37		25.983	203.2	.347
									150	8.06	33.75		26.306	172.5	.395
									200	7.44	33.88		26.498	154.3	.478
									250	6.87	33.95		26.632	141.5	.553
									300	6.38	33.99		26.729	132.4	.624
									400	5.61	34.03		26.857	120.2	.755
									500	5.01	34.09		26.976	109.0	.874
									600	4.48	34.19		27.114	95.9	.982

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
40 03.0N		128 25.0W		01/28/69		0247 GMT			4588M	320	40KT	6	320 20		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	10.76	32.54		24.927	303.6	0
									10	10.76	32.54		24.927	303.6	.030
									20	10.76	32.54		24.927	303.6	.061
									30	10.76	32.54		24.927	303.6	.091
									50	10.77	32.54		24.926	303.8	.152
									75	10.25	32.53		25.007	296.0	.227
									100	9.37	33.18		25.658	234.1	.294
									125	8.67	33.52		26.034	198.4	.349
									150	8.15	33.74		26.285	174.5	.396
									200	7.42	33.91		26.524	151.8	.479
									250	6.80	33.92		26.618	142.9	.554
									300	6.36	33.98		26.723	132.9	.625
									400	5.68	34.03		26.849	121.0	.757
									500	5.06	34.13		27.002	106.5	.876
									600	4.62	34.21		27.115	95.8	.983

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 43.0N		129 10.0W		01/28/69		0840 GMT			4493M	320	40KT	7	320 20		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	10.49	32.49		24.935	302.9	0
									10	10.50	32.49		24.933	303.0	.030
									20	10.50	32.49		24.933	303.0	.061
									30	10.50	32.49		24.933	303.0	.091
									50	10.50	32.49		24.933	303.0	.152
									75	10.33	32.49		24.962	300.3	.227
									100	8.88	33.05		25.634	236.3	.295
									125	8.49	33.59		26.116	190.5	.349
									150	8.14	33.72		26.271	175.9	.395
									200	7.38	33.92		26.538	150.5	.478
									250	6.87	33.94		26.624	142.3	.553
									300	6.34	33.99		26.734	131.9	.624
									400	5.55	34.04		26.872	118.8	.753
									500	5.17	34.13		26.989	107.7	.872
									600	4.52	34.19		27.099	97.3	.980

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

40120

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 03.0N		130 39.0W		01/28/69		2000 GMT			4116M	350	40KT	1	350 22		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	12.91	33.01		24.893	306.9	0
									10	12.91	33.01		24.893	305.9	.031
									20	12.92	33.01		24.891	307.1	.061
									30	12.92	33.00		24.883	307.8	.092
									50	12.92	33.01		24.891	307.1	.154
									75	12.92	33.01		24.891	307.1	.231
									100	12.92	33.02		24.898	305.3	.308
									125	10.88	33.05		25.302	267.9	.381
									150	10.00	33.24		25.501	239.5	.445
									200	8.84	33.71		26.156	186.8	.553
									250	8.57	33.90		26.346	168.7	.644
									300	7.53	33.93		26.524	151.8	.726
									400	6.28	33.93		26.694	135.7	.875
									500	5.31	34.00		26.870	119.0	1.008
									600	4.72	34.12		27.032	103.6	1.125





## RV MILLER FREEMAN

## CALCDEFI CRUISE 6902

43080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 48.0N		127 13.0W		01/29/69		2001 GMT			4493M	300	35KT	6	300 15		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	10.99	32.49		24.848	311.1	0
									10	10.98	32.49		24.850	311.0	.031
									20	10.97	32.49		24.852	310.8	.062
									30	10.96	32.49		24.853	310.6	.093
									50	10.90	32.49		24.864	309.6	.156
									75	9.18	32.88		25.454	253.4	.226
									100	8.55	33.43		25.982	203.3	.284
									125	8.37	33.70		26.220	180.7	.332
									150	7.98	33.83		26.380	165.5	.376
									200	7.36	33.91		26.533	151.0	.457
									250	6.73	33.96		26.659	139.0	.531
									300	6.03	33.96		26.750	130.4	.600
									400	5.29	33.99		26.864	119.5	.729
									500	4.58	34.07		26.997	107.0	.847
									600	4.60	34.20		27.109	96.4	.955

## RV MILLER FREEMAN

## CALCDEFI CRUISE 6902

43090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 28.0N		127 58.0W		01/29/69		1617 GMT			4302M	300	30KT	1	300 14		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	10.33	32.57		25.024	294.3	0
									10	10.33	32.58		25.032	293.6	.029
									20	10.33	32.58		25.032	293.5	.059
									30	10.33	32.57		25.024	294.3	.088
									50	10.34	32.57		25.023	294.5	.147
									75	9.10	33.28		25.779	222.6	.212
									100	8.49	33.59		26.116	190.5	.264
									125	8.17	33.78		26.313	171.9	.310
									150	7.84	33.80		26.378	165.7	.353
									200	7.35	33.90		26.526	151.5	.434
									250	6.73	33.95		26.651	139.8	.508
									300	6.15	33.95		26.727	132.5	.578
									400	5.44	34.03		26.878	118.3	.708
									500	4.83	34.12		27.020	104.8	.824
									600	4.46	34.20		27.124	94.9	.930

## RV MILLER FREEMAN

## CALCDEFI CRUISE 6902

43100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 08.0N		128 43.0W		01/29/69		1050 GMT			4308M	360	10KT	6	360 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	10.35	32.57		25.021	294.7	0
									10	10.35	32.57		25.021	294.7	.029
									20	10.36	32.57		25.019	294.8	.059
									30	10.36	32.57		25.019	294.8	.089
									50	10.36	32.58		25.027	294.1	.148
									75	10.36	32.71		25.128	284.5	.220
									100	9.15	33.28		25.771	223.3	.284
									125	8.66	33.51		26.027	199.0	.337
									150	8.23	33.68		26.226	180.1	.385
									200	7.46	33.87		26.487	155.3	.471
									250	6.86	33.94		26.626	142.2	.547
									300	6.33	33.97		26.719	133.3	.618
									400	5.55	34.03		26.865	119.5	.748
									500	5.05	34.11		26.987	107.9	.867
									600	4.58	34.21		27.119	95.4	.975

## RV MILLER FREEMAN

## CALCDEFI CRUISE 6902

43120

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 29.0N		130 12.0W		01/29/69		0130 GMT			4825M	360	35KT	2	350 20		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	12.90	33.02		24.702	305.0	0
									10	12.91	33.02		24.700	306.2	.031
									20	12.92	33.02		24.898	305.3	.061
									30	12.93	33.02		24.896	306.5	.092
									50	12.93	33.02		24.896	305.5	.153
									75	12.93	33.02		24.896	306.5	.231
									100	12.91	33.02		24.700	306.2	.308
									125	11.07	33.18		25.369	261.5	.379
									150	9.25	33.31		25.779	222.6	.440
									200	8.23	33.87		26.374	165.0	.539
									250	7.74	33.96		26.517	152.4	.621
									300	7.47	34.01		26.596	145.0	.697
									400	7.09	34.03		26.665	134.5	.845
									500	6.20	34.08		26.823	123.5	.982
									600	5.40	34.12		26.954	111.1	1.106

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
40 14.0N			124 33.0W			01/30/69		1942 GMT			421M	320	20KT	1	320 12		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S10T	DT	DD		
									0	10.65	32.99		25.296	268.5	.0		
									10	10.56	33.01		25.309	267.2	.027		
									20	10.69	33.04		25.328	265.5	.053		
									30	10.73	33.05		25.328	265.4	.080		
									50	10.90	33.23		25.438	255.0	.132		
									75	10.99	33.29		25.469	252.1	.196		
									100	9.86	33.36		25.718	229.4	.257		
									125	9.50	33.65		26.003	201.3	.311		
									150	9.23	33.69		26.078	194.2	.361		
									200	8.90	33.92		26.310	172.1	.454		
									250	8.32	34.02		26.478	155.2	.538		
									300	7.94	34.05		26.559	148.5	.617		

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 55.0N			125 18.0W			01/31/69		0945 GMT			2785M	360	30KT	2	360 12		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S10T	DT	DD		
									0	10.69	32.64		25.017	295.0	.0		
									10	10.58	32.64		25.019	294.9	.030		
									20	10.68	32.64		25.019	294.9	.059		
									30	10.68	32.64		25.019	294.9	.089		
									50	10.67	34.11		25.385	260.0	.144		
									75	9.15	33.23		25.732	227.0	.205		
									100	8.77	33.55		26.042	197.6	.259		
									125	9.00	33.83		26.224	180.3	.307		
									150	8.78	34.92		26.329	170.3	.351		
									200	7.96	33.99		26.509	153.3	.434		
									250	7.28	33.97		26.591	145.5	.510		
									300	6.42	33.96		26.700	135.1	.582		
									400	5.69	34.03		26.848	121.1	.715		
									500	5.23	34.12		26.974	107.2	.835		
									600	4.84	34.19		27.074	99.5	.946		

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 35.0N			126 02.0W			01/31/69		0459 GMT			3918M	360	30KT	1	360 12		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S10T	DT	DD		
									0	10.72	32.67		25.035	293.3	.0		
									10	10.73	32.67		25.033	293.5	.029		
									20	10.74	32.67		25.032	293.7	.059		
									30	10.74	32.67		25.032	293.7	.088		
									50	10.74	32.67		25.032	293.7	.147		
									75	10.14	33.21		25.554	244.0	.215		
									100	9.54	33.55		25.919	209.3	.272		
									125	9.30	34.71		26.082	193.7	.323		
									150	9.13	33.80		26.180	184.5	.371		
									200	8.48	33.93		26.383	165.2	.460		
									250	8.07	34.01		26.508	153.3	.541		
									300	7.59	34.06		26.618	142.9	.618		
									400	6.61	34.10		26.785	127.1	.758		
									500	5.80	34.12		26.905	115.7	.885		
									600	5.10	34.16		27.021	104.7	1.002		

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 15.0N			126 47.0W			01/31/69		0900 GMT			4245M	340	10KT	0	360 10		
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S10T	DT	DD		
									0	10.98A	32.58		24.920	304.3	.0		
									10	10.98	32.58		24.920	304.3	.030		
									20	10.98	32.59		24.927	303.6	.061		
									30	10.98	32.59		24.927	303.6	.091		
									50	10.98A	32.59		24.927	303.6	.152		
									75	9.47	32.73		25.291	269.0	.224		
									100	8.91	33.18		25.731	227.1	.286		
									125	8.73	33.57		26.063	195.5	.340		
									150	8.34	33.70		26.225	180.2	.387		
									200	7.70	33.85		26.437	160.1	.474		
									250	7.14	33.91		26.564	148.1	.553		
									300	6.55	33.99		26.706	134.5	.625		
									400	5.73	34.03		26.843	121.6	.758		
									500	5.10	34.09		26.965	110.0	.879		
									600	4.66	34.19		27.094	97.7	.989		

A) THE REVERSING THERMOMETER TEMPERATURE FROM THE TEN METER BOTTLE WAS USED FOR EXTRAPOLATION FROM 50 METERS TO THE SURFACE.



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
38 55.0N		127 31.0W		01/31/69	1315	GMT	4335M	280	15KT	1	300	10			
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	S1GT	DT	DD
									0	10.57	32.53		24.952	301.2	0
									10	10.57	32.53		24.952	301.2	.030
									20	10.57	32.53		24.952	301.2	.060
									30	10.57	32.52		24.945	301.9	.090
									50	10.57	32.52		24.945	301.9	.151
									75	9.23	32.70		25.306	267.5	.223
									100	8.66	33.32		25.879	213.1	.283
									125	8.52	33.60		25.119	190.3	.334
									150	8.26	33.74		26.268	176.1	.380
									200	7.60	33.88		26.475	156.5	.465
									250	6.93	33.94		26.516	143.1	.542
									300	6.51	33.96		26.588	136.3	.613
									400	5.63	33.99		26.823	123.4	.748
									500	5.16	34.11		26.974	109.1	.869
									600	4.61	34.19		27.100	97.2	.978

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47100

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
38 35.0N		128 17.0W		01/31/69	1740	GMT	4688M	280	20KT	2	300	10			
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	S1GT	DT	DD
									0	10.44	32.54		24.982	298.3	0
									10	10.44	32.54		24.982	298.3	.030
									20	10.45	32.55		24.988	297.8	.060
									30	10.45	32.56		24.996	297.0	.089
									50	10.46	32.56		24.995	297.2	.149
									75	10.46	32.57		25.002	296.4	.224
									100	8.74	33.13		25.718	228.3	.290
									125	8.29	33.40		25.998	201.8	.344
									150	8.30	33.69		25.223	180.4	.392
									200	7.52	33.87		26.479	156.1	.478
									250	6.81	33.88		26.585	145.0	.555
									300	5.88	33.90		26.722	133.1	.627
									400	5.34	34.05		26.906	115.6	.755
									500	4.97	34.13		27.012	105.6	.871
									600	4.42	34.17		27.105	96.8	.978

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

47120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
37 55.5N		129 44.5W		02/01/69	0037	GMT	4727M	320	18KT	2	300	10			
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	S1GT	DT	DD
									0	12.56	32.94		24.907	305.5	0
									10	12.57	32.94		24.905	305.7	.031
									20	12.58	32.94		24.903	305.9	.061
									30	12.58	32.94		24.903	305.9	.092
									50	12.58	32.94		24.903	305.9	.153
									75	12.58	32.94		24.903	305.9	.230
									100	12.48	32.95		24.930	303.4	.307
									125	10.01	33.08		25.475	251.5	.377
									150	9.45	33.46		25.863	214.6	.436
									200	8.78	33.81		26.243	178.5	.536
									250	7.90	33.85		26.408	162.8	.623
									300	7.05	33.99		26.639	140.9	.701
									400	5.72	33.89		26.733	132.0	.842
									500	5.19	34.05		26.923	114.0	.970
									600	4.47	34.08		27.028	104.0	1.085

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

50050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
39 40.0N		124 08.0W		02/02/69	0959	GMT	1012M	330	10KT	1	330	08			
Z	T	S	OZ	P04	S103	N02	N03	DT	Z	T	S	OZ	S1GT	DT	DD
									0	10.63	32.83		25.175	280.0	0
									10	10.65	32.84		25.179	279.5	.028
									20	10.66	32.84		25.177	279.8	.056
									30	10.66	32.84		25.177	279.8	.084
									50	10.12	32.98		25.379	260.6	.138
									75	9.18	33.22		25.720	228.2	.200
									100	9.23	33.68		26.070	194.9	.253
									125	9.23	33.82		26.180	184.5	.301
									150	9.02	33.88		26.260	176.9	.347
									200	8.27	33.90		26.392	164.4	.434
									250	7.30	33.90		26.533	150.9	.514
									300	7.02	34.03		26.674	137.6	.589
									400	6.37	34.10		26.817	124.1	.724
									500	5.55	34.12		26.936	112.8	.849
									600	5.15	34.21		27.054	101.5	.962

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

50060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 20.5N		124 52.0W		02/02/69		0416	GMT		2804M	360	10KT	1	360 10		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	9.97	32.52		25.046	292.3	0
									10	9.97	32.52		25.046	292.3	.029
									20	9.97	32.52		25.046	292.3	.058
									30	9.92	32.52		25.054	291.5	.088
									50	9.85	32.53		25.074	289.7	.146
									75	9.37	33.03		25.541	245.2	.213
									100	9.22	33.57		25.986	202.9	.270
									125	9.40	33.77		25.113	190.8	.319
									150	9.00	33.85		26.240	178.8	.366
									200	8.70	34.00		26.404	163.2	.453
									250	8.10	34.03		26.519	152.3	.534
									300	6.93	34.01		26.671	137.9	.609
									400	6.05	34.00		26.779	127.5	.747
									500	5.53	34.11		26.930	113.3	.873
									600	4.82	34.19		27.076	99.4	.985

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

50070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
39 00.0N		125 36.5W		02/02/69		0024	GMT		4069M	310	20KT	1	310 14		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	10.42	32.60		25.032	293.6	0
									10	10.42	32.60		25.032	293.6	.029
									20	10.42	32.60		25.032	293.6	.059
									30	10.42	32.60		25.032	293.6	.088
									50	10.41	32.62		25.050	291.9	.147
									75	9.72	33.19		25.609	238.8	.214
									100	9.30	33.62		25.012	200.4	.269
									125	8.58	33.67		26.149	187.4	.318
									150	8.42	33.79		26.283	174.7	.364
									200	8.43	34.01		26.454	158.5	.449
									250	7.66	34.01		26.568	147.6	.527
									300	7.46	34.07		26.644	140.4	.601
									400	6.45	34.06		26.775	128.0	.741
									500	5.65	34.11		26.916	114.7	.868
									600	5.15	34.22		27.062	100.8	.982

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

50080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 40.0N		126 21.0W		02/01/69		2005	GMT		4350M	310	30KT	2	310 14		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	10.82	32.64		24.994	297.2	0
									10	10.80	32.65		25.006	296.1	.030
									20	10.79	32.65		25.007	296.0	.059
									30	10.70	32.67		25.039	293.0	.089
									50	10.38	32.70		25.117	285.5	.147
									75	10.05	33.24		25.593	240.3	.213
									100	8.87	33.47		25.964	205.0	.269
									125	8.60	33.70		25.185	184.0	.318
									150	8.27	33.81		26.321	171.0	.363
									200	7.98	33.98		26.498	154.3	.446
									250	7.65	34.02		26.578	146.7	.523
									300	7.08	34.07		26.697	135.4	.596
									400	6.30	34.09		26.818	123.9	.730
									500	5.24	34.13		26.981	108.5	.852
									600	4.98	34.26		27.114	95.9	.961

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

50090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 20.0N		127 04.0W		02/01/69		1554	GMT		4588M	320	30KT	1	320 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	11.77	32.56		24.762	319.3	0
									10	11.78	32.56		24.760	319.5	.032
									20	11.78	32.56		24.760	319.5	.064
									30	11.78	32.56		24.760	319.5	.096
									50	11.78	32.56		24.760	319.5	.160
									75	9.59	32.98		25.466	252.3	.232
									100	8.85	33.40		25.912	209.9	.290
									125	8.68	33.58		26.079	194.1	.341
									150	8.32	33.73		26.251	177.7	.388
									200	7.62	33.87		26.464	157.5	.473
									250	6.92	33.95		26.625	142.2	.550
									300	6.20	33.98		26.744	130.9	.620
									400	5.60	34.05		26.874	118.6	.749
									500	5.03	34.11		26.989	107.7	.868
									600	4.57	34.19		27.104	96.8	.976



RV MILLER FREEMAN

CALCOFI CRUISE 5902

50100

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
38 00.0N		127 49.0W		02/01/69	1120 GMT			4689M	310	20KT	1	310 10			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0									0	11.86	32.57		24.753	320.2	0
10									10	11.85	32.57		24.755	320.0	.032
20									20	11.86	32.57		24.753	320.2	.064
30									30	11.86	32.57		24.753	320.2	.096
50									50	11.87	32.57		24.751	320.4	.160
75									75	9.50	32.84		25.372	261.3	.233
100									100	9.30	33.35		25.802	220.4	.294
125									125	8.55	33.58		25.099	192.2	.346
150									150	8.12	33.73		26.281	174.9	.393
200									200	7.32	33.87		25.507	153.4	.476
250									250	6.72	33.93		25.637	141.1	.551
300									300	6.27	34.00		26.751	130.3	.621
400									400	5.40	34.05		26.898	116.3	.749
500									500	4.87	34.12		27.015	105.2	.865
600									600	4.56	34.21		27.121	95.2	.971

RV MILLER FREEMAN

CALCOFI CRUISE 5902

50120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
37 20.0N		129 16.5W		02/01/69	0430 GMT			4884M	300	25KT	6	300 10			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0									0	11.66	32.57		24.790	315.7	0
10									10	11.65	32.57		24.792	316.5	.032
20									20	11.65	32.57		24.792	316.5	.063
30									30	11.65	32.57		24.792	316.5	.095
50									50	11.66	32.57		24.790	316.7	.159
75									75	11.73	32.61		24.808	315.0	.238
100									100	9.87	32.75		25.241	273.7	.312
125									125	9.02	33.10		25.651	234.7	.376
150									150	8.57	33.45		25.994	202.1	.431
200									200	7.98	33.79		26.349	168.4	.525
250									250	7.27	33.88		26.522	152.0	.607
300									300	6.53	33.90		26.525	142.2	.683
400									400	5.49	33.89		26.761	129.3	.823
500									500	5.03	34.02		26.918	114.4	.950
600									600	4.86	34.14		27.032	103.6	1.065

RV MILLER FREEMAN

CALCOFI CRUISE 5902

53055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
38 56.0N		124 05.0W		02/02/69	1757 GMT			1254M	310	15KT	0	300 08			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0									0	10.96	33.10		25.327	265.6	0
10									10	10.96	33.10		25.327	265.6	.027
20									20	10.96	33.10		25.327	265.6	.053
30									30	10.96	33.10		25.327	265.6	.080
50									50	10.97	33.15		25.364	262.1	.133
75									75	10.52	33.35		25.598	239.8	.196
100									100	10.07	33.63		25.893	211.8	.253
125									125	9.58	33.74		25.060	195.9	.304
150									150	9.29	33.86		26.201	182.5	.352
200									200	8.53	33.96		26.399	163.7	.440
250									250	8.15	34.05		26.527	151.5	.521
300									300	7.64	34.07		26.618	142.9	.597
400									400	6.80	34.07		26.736	131.7	.740
500									500	5.86	34.12		26.897	116.4	.870
600									600	5.25	34.22		27.050	101.9	.986

RV MILLER FREEMAN

CALCOFI CRUISE 5902

53060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
38 46.0N		124 27.0W		02/02/69	2025 GMT			3353M	310	12KT	0	300 08			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0									0	11.47	33.15		25.274	270.6	0
10									10	11.42	33.15		25.283	269.8	.027
20									20	11.41	33.15		25.285	269.6	.054
30									30	11.40	33.15		25.286	269.4	.081
50									50	11.40	33.15		25.286	269.4	.135
75									75	10.33	33.27		25.568	242.6	.199
100									100	9.51	33.66		25.993	202.3	.255
125									125	9.47	33.78		26.109	191.2	.305
150									150	9.10	33.83		26.208	181.8	.352
200									200	8.05	33.87		26.401	163.5	.440
250									250	7.66	33.98		26.545	149.9	.521
300									300	7.29	34.06		26.660	138.9	.595
400									400	6.70	34.13		26.796	126.0	.733
500									500	5.44	34.09		26.925	113.8	.858
600									600	4.89	34.15		27.037	103.2	.973

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

53070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 26.0N		125 11.0W		02/03/69		0100 GMT			3730M	310	12KT	2	300 10		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	11.30	33.14		25.297	268.4	0
									10	11.30	33.13		25.289	269.2	.027
									20	11.20	33.13		25.307	267.5	.054
									30	11.08	33.11		25.313	266.9	.081
									50	10.83	33.23		25.450	253.8	.133
									75	9.16	33.61		25.027	199.0	.190
									100	8.85	33.75		26.185	184.0	.238
									125	8.67	33.84		26.284	174.5	.283
									150	8.44	33.96		26.413	162.4	.325
									200	7.93	34.02		26.537	150.6	.406
									250	7.74	34.08		26.512	143.5	.481
									300	7.40	34.12		26.592	135.9	.553
									400	6.25	34.11		26.840	121.8	.687
									500	5.33	34.16		26.994	107.3	.808
									600	5.00	34.24		27.095	97.5	.916

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

53080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 06.0N		125 53.0W		02/03/69		0456 GMT			4302M	360	10KT	2	340 05		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	10.83	32.71		25.047	292.2	0
									10	10.80	32.70		25.044	292.4	.029
									20	10.72	32.71		25.066	290.4	.058
									30	10.71	32.71		25.068	290.2	.087
									50	10.71	32.71		25.068	290.2	.146
									75	10.67	33.32		25.548	244.5	.213
									100	9.47	33.61		25.477	203.8	.269
									125	8.88	33.79		26.212	181.5	.318
									150	8.58	33.95		26.384	165.2	.362
									200	7.88	33.97		26.505	153.5	.443
									250	7.43	34.00		26.593	145.2	.520
									300	7.05	34.07		26.702	135.0	.592
									400	6.07	34.10		26.855	120.4	.725
									500	5.36	34.11		26.951	111.4	.846
									600	5.02	34.24		27.093	97.8	.957

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

53090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 46.0N		126 39.0W		02/03/69		0900 GMT			4499M	350	10KT	2	340 05		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	12.48	32.68		24.721	323.2	0
									10	12.48	32.68		24.721	323.2	.032
									20	12.47	32.68		24.723	323.0	.065
									30	12.46	32.68		24.725	322.9	.097
									50	12.52	32.70		24.729	322.5	.162
									75	12.57	32.72		24.735	321.9	.243
									100	9.47	32.76		25.315	266.7	.317
									125	8.87	33.19		25.745	225.8	.379
									150	8.92	33.60		26.057	196.1	.432
									200	8.02	33.87		26.406	163.0	.523
									250	7.72	33.97		26.528	151.4	.604
									300	7.13	34.05		26.675	137.5	.678
									400	6.30	34.15		26.865	119.5	.812
									500	5.12	34.10		26.971	109.4	.932
									600	4.76	34.20		27.091	98.0	1.042

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

53100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 26.0N		127 22.0W		02/03/69		1322 GMT			4688M	050	05KT	1	340 05		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	11.77	32.53		24.739	321.6	0
									10	11.78	32.54		24.744	321.0	.032
									20	11.75	32.54		24.750	320.5	.064
									30	11.72	32.54		24.756	319.9	.096
									50	11.72	32.54		24.756	319.9	.160
									75	11.58	32.54		24.781	317.5	.241
									100	8.97	33.09		25.651	234.7	.310
									125	8.59	33.52		26.046	197.2	.364
									150	8.39	33.72		26.233	179.5	.412
									200	7.63	33.89		26.479	155.1	.498
									250	6.90	33.94		26.620	142.7	.574
									300	6.32	33.97		26.721	133.2	.645
									400	5.65	34.03		26.852	120.7	.776
									500	5.15	34.11		26.975	109.0	.896
									600	4.65	34.21		27.111	96.1	1.005



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

53120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 47.0N		128 48.5W		02/03/69	2035	GMT		4825M	200	12KT	0	330 05			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	13.46	33.04		24.806	315.1	0
									10	13.46	33.06		24.822	313.6	.031
									20	13.49	33.07		24.823	313.5	.063
									30	13.49	33.07		24.823	313.5	.094
									50	13.57	33.08		24.825	313.3	.157
									75	13.43	33.05		24.820	313.8	.236
									100	12.12	33.23		25.215	276.2	.310
									125	10.36	33.22		25.524	246.8	.376
									150	9.30	33.46		25.887	212.3	.434
									200	8.57	33.94		25.299	173.2	.532
									250	7.70	33.92		26.492	154.9	.616
									300	6.95	33.97		26.637	141.1	.692
									400	6.13	34.03		25.792	125.4	.831
									500	5.27	34.09		26.945	111.9	.956
									600	4.92	34.18		27.057	101.3	1.068

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 22.0N		123 39.5W		02/05/69	0236	GMT		695M	180	20KT	6	270 03			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	11.07	32.86		25.121	285.2	0
									10	11.08	32.87		25.127	284.6	.028
									20	11.17	33.07		25.266	271.4	.056
									30	11.22	33.11		25.288	269.3	.083
									50	11.25	33.14		25.306	267.5	.137
									75	10.57	33.48		25.690	231.0	.200
									100	9.89	33.55		25.861	214.8	.256
									125	9.39	33.68		26.044	197.4	.308
									150	9.17	33.86		26.220	180.6	.356
									200	8.69	33.99		26.398	163.8	.444
									250	8.22	34.00		26.478	156.2	.526
									300	7.73	34.06		26.597	144.9	.603
									400	6.24	34.04		26.786	126.9	.745
									500	5.57	34.13		26.941	112.3	.870
									600	5.14	34.23		27.071	99.9	.983

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
38 12.0N		124 02.0W		02/04/69	2300	GMT		3683M	190	22KT	6	320 04			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	11.64	33.15		25.242	273.6	0
									10	11.64	33.15		25.242	273.6	.027
									20	11.64	33.15		25.242	273.6	.055
									30	11.62	33.15		25.246	273.2	.082
									50	11.52	33.21		25.311	267.1	.136
									75	11.22	33.22		25.373	261.2	.203
									100	10.53	33.41		25.543	235.5	.265
									125	9.87	33.49		25.817	218.9	.323
									150	9.15	33.67		26.075	194.4	.375
									200	8.73	33.91		26.329	170.3	.468
									250	8.27	33.93		26.415	162.1	.553
									300	7.93	34.05		26.560	148.4	.633
									400	6.94	34.10		26.740	131.3	.778
									500	6.22	34.16		26.883	117.7	.909
									600	5.48	34.20		27.007	105.0	1.028

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 52.0N		124 40.0W		02/04/69	2000	GMT		4062M	190	22KT	2	320 03			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	11.29	32.93		25.136	283.7	0
									10	11.28	32.94		25.145	282.8	.028
									20	11.28	32.94		25.145	282.8	.057
									30	11.26	32.93		25.141	283.2	.085
									50	11.12	33.14		25.329	265.4	.140
									75	9.62	33.55		25.906	210.6	.200
									100	9.18	33.69		25.986	193.4	.251
									125	8.72	33.84		26.276	175.4	.297
									150	8.54	33.91		26.359	167.5	.341
									200	7.58	33.95		26.518	152.4	.422
									250	6.92	33.99		26.657	139.2	.497
									300	6.82	34.10		26.757	129.7	.566
									400	6.09	34.11		26.961	119.9	.696
									500	5.91	34.24		26.986	108.0	.816
									600	5.17	34.26		27.091	98.0	.926

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 32.0N			125 29.5W			02/04/69		1615 GMT			4302M	190	20KT	2	320 04		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD		
0	11.15	32.67											24.959	300.5	0		
10	10.88	32.87											25.162	281.2	.029		
20	10.94	33.08											25.315	266.7	.057		
30	10.90	33.14											25.368	261.6	.083		
50	10.85	33.15											25.385	260.1	.135		
75	10.86	33.21											25.430	255.8	.200		
100	9.68	33.57											25.911	210.0	.259		
125	8.72	33.66											26.135	188.7	.309		
150	8.45	33.75											26.247	178.1	.356		
200	7.75	33.90											26.469	157.0	.441		
250	7.40	34.05											26.637	141.1	.517		
300	6.97	34.10											26.736	131.7	.588		
400	5.51	34.03											26.869	119.1	.718		
500	4.92	34.09											26.986	108.0	.836		
600	4.69	34.22											27.115	95.8	.944		

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57090

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 12.0N			126 13.0W			02/04/69		1125 GMT			4517M	240	10KT	1	320 03		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD		
0	12.62	32.78											24.771	318.4	0		
10	12.62	32.78											24.771	318.4	.032		
20	12.62	32.78											24.771	318.4	.064		
30	12.62	32.78											24.771	318.4	.096		
50	12.60	32.78											24.775	318.1	.159		
75	10.85	32.60											24.958	300.7	.237		
100	9.72	33.35											25.733	225.9	.304		
125	9.29	33.66											26.045	197.3	.357		
150	8.96	33.79											26.199	182.7	.405		
200	8.53	33.96											26.399	163.7	.493		
250	8.08	34.05											26.538	150.5	.574		
300	7.60	34.07											26.624	142.3	.649		
400	6.77	34.12											26.779	127.6	.790		
500	5.82	34.16											26.934	112.9	.916		
600	5.28	34.22											27.047	102.2	1.031		

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57100

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 52.0N			126 56.0W			02/04/69		0725 GMT			4593M	240	05KT	1	320 03		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD		
0	12.07	32.73											24.838	312.1	0		
10	12.07	32.74											24.845	311.4	.031		
20	12.07	32.74											24.845	311.4	.062		
30	12.07	32.74											24.845	311.4	.094		
50	12.05	32.75											24.857	310.3	.156		
75	10.63	32.96											25.276	270.4	.229		
100	9.84	33.25											25.636	236.2	.293		
125	9.25	33.46											25.896	211.5	.349		
150	9.13	33.83											26.203	182.3	.399		
200	8.62	33.93											26.362	167.2	.488		
250	8.20	34.01											26.489	155.2	.571		
300	7.72	34.06											26.599	144.7	.648		
400	6.73	34.11											26.777	127.9	.790		
500	6.12	34.20											26.928	113.5	.917		
600	5.46	34.24											27.041	102.8	1.032		

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57120

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 12.5N			128 21.0W			02/04/69		0024 GMT			4593M	270	03KT	1	320 06		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD		
0	13.51	32.93											24.711	324.1	0		
10	13.45	32.93											24.723	323.0	.032		
20	13.45	32.93											24.723	323.0	.065		
30	13.45	32.93											24.723	323.0	.097		
50	13.45	32.94											24.731	322.3	.162		
75	13.45	32.94											24.731	322.3	.243		
100	10.77	33.03											25.306	267.5	.317		
125	9.85	33.19											25.587	240.8	.381		
150	9.35	33.56											25.957	205.6	.438		
200	8.47	33.81											26.291	173.9	.534		
250	7.70	33.89											26.468	157.1	.619		
300	6.99	33.96											26.623	142.4	.696		
400	5.82	34.00											26.808	124.9	.834		
500	4.97	34.09											26.980	108.5	.956		
600	4.68	34.19											27.092	97.9	1.065		



RV MILLER FREEMAN

CALCOFI CRUISE 6902

60052

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 54.0N		123 01.5W		02/05/69	1030	GMT				82M	340	10KT	2	290 03		
Z	T	S	DZ	P04	S103	N02	N03	DT	Z	T	S	DZ	S10T	DT	DD	
									0	10.92	29.17		22.288	555.5	0	
									10	11.07	32.32		24.702	325.0	.044	
									20	11.47	32.93		25.103	286.8	.075	
									30	11.43	33.04		25.196	278.0	.103	
									50	11.64	33.17		25.258	272.1	.158	

RV MILLER FREEMAN

CALCOFI CRUISE 6902

60060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 37.0N		123 37.0W		02/05/69	1452	GMT				3353M	270	10KT	1	290 04		
Z	T	S	DZ	P04	S103	N02	N03	DT	Z	T	S	DZ	S10T	DT	DD	
									0	11.16	31.66		24.175	375.3	0	
									10	11.37	31.97		24.378	355.9	.037	
									20	11.98	32.91		24.994	297.3	.069	
									30	11.77	33.02		25.118	285.5	.098	
									50	11.48	33.04		25.187	278.9	.155	
									75	10.13	33.37		25.580	232.0	.219	
									100	9.68	33.61		25.942	207.1	.275	
									125	9.14	33.85		26.217	180.9	.324	
									150	8.88	33.93		26.321	171.1	.368	
									200	8.22	34.01		26.485	155.5	.451	
									250	7.62	34.03		26.590	145.6	.529	
									300	7.49	34.10		26.663	138.6	.602	
									400	6.51	34.13		26.822	123.6	.738	
									500	5.53	34.13		26.946	111.8	.862	
									600	5.33	34.23		27.049	102.0	.975	

RV MILLER FREEMAN

CALCOFI CRUISE 6902

60070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 17.0N		124 21.0W		02/05/69	1938	GMT				3918M	180	40KT	6	180 12		
Z	T	S	DZ	P04	S103	N02	N03	DT	Z	T	S	DZ	S10T	DT	DD	
									0	11.10	32.95		25.185	279.0	0	
									10	11.10	32.97		25.201	277.5	.028	
									20	11.10	33.02		25.240	273.9	.055	
									30	11.04	33.23		25.413	257.4	.082	
									50	10.47	33.31		25.575	241.9	.132	
									75	9.45	33.59		25.965	204.9	.188	
									100	8.86	33.74		26.176	184.9	.237	
									125	8.49	33.84		26.311	172.0	.283	
									150	8.57	33.95		26.385	165.0	.325	
									200	7.94	34.03		26.543	150.0	.406	
									250	7.37	34.07		26.657	139.2	.480	
									300	6.89	34.07		26.724	132.9	.550	
									400	6.14	34.16		26.894	116.8	.680	
									500	5.56	34.21		27.005	105.2	.797	
									600	5.07	34.28		27.119	95.4	.904	

RV MILLER FREEMAN

CALCOFI CRUISE 6902

60080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 56.5N		125 04.0W		02/06/69	0318	GMT				4403M	290	55KT	0	290 18		
Z	T	S	DZ	P04	S103	N02	N03	DT	Z	T	S	DZ	S10T	DT	DD	
									0	11.09	32.78		25.055	291.4	0	
									10	11.09	32.78		25.055	291.4	.029	
									20	11.09	32.79		25.063	290.7	.058	
									30	11.08	32.85		25.111	286.1	.087	
									50	10.92	33.13		25.357	262.7	.142	
									75	9.86	33.41		25.757	224.7	.203	
									100	8.88	33.52		26.001	201.5	.257	
									125	8.60	33.70		26.185	184.0	.306	
									150	8.48	33.92		26.376	165.9	.350	
									200	8.00	33.95		26.471	155.8	.432	
									250	7.26	34.00		26.617	143.0	.509	
									300	7.01	34.08		26.715	133.7	.580	
									400	5.87	34.07		26.857	120.3	.712	
									500	5.34	34.15		26.985	108.1	.832	
									600	4.95	34.25		27.109	96.3	.940	



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

60090

LATITUDE 36 37.0N			LONGITUDE 125 47.0W			MO/DAY/YR 02/06/69		MESSENGER TIME 1705 GMT			BOTTOM 4688M		WIND 300		SPEED 55KT		WEATHER 6		DOMINANT WAVES 300 25		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD						
									0	11.68	32.60		24.809	314.8	0						
									10	11.68	32.59		24.802	315.6	.032						
									20	11.69	32.59		24.800	315.7	.063						
									30	11.69	32.59		24.800	315.7	.095						
									50	11.67	32.59		24.803	315.4	.158						
									75	10.43	32.78		25.171	280.4	.233						
									100	9.62	33.26		25.580	232.0	.297						
									125	9.23	33.67		26.063	195.6	.351						
									150	9.02	33.78		25.182	184.3	.399						
									200	8.47	33.92		26.377	165.8	.489						
									250	7.87	33.97		26.506	153.5	.570						
									300	7.35	34.08		26.668	138.2	.646						
									400	6.43	34.13		26.832	122.6	.781						
									500	5.70	34.16		25.949	111.5	.904						
									600	4.99	34.21		27.073	99.8	1.016						

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

60100

LATITUDE 36 17.0N			LONGITUDE 126 30.0W			MO/DAY/YR 02/06/69		MESSENGER TIME 2237 GMT			BOTTOM 4688M		WIND 310		SPEED 25KT		WEATHER 1		DOMINANT WAVES 300 15		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD						
									0	12.31	32.73		24.792	315.4	0						
									10	12.30	32.73		24.794	316.3	.032						
									20	12.30	32.73		24.794	316.3	.063						
									30	12.30	32.73		24.794	316.3	.095						
									50	12.30	32.73		24.794	316.3	.158						
									75	12.00	32.70		24.827	313.1	.237						
									100	10.07	33.15		25.519	247.3	.308						
									125	9.44	33.38		25.802	220.3	.367						
									150	9.26	33.61		26.011	200.5	.420						
									200	8.77	33.87		25.292	173.9	.515						
									250	7.88	34.33		26.473	156.6	.600						
									300	6.97	34.01		26.666	138.4	.676						
									400	6.43	34.10		26.809	124.8	.813						
									500	5.47	34.11		26.337	112.6	.937						
									600	5.07	34.25		27.095	97.6	1.049						

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

60120

LATITUDE 35 37.0N			LONGITUDE 127 54.0W			MO/DAY/YR 02/07/69		MESSENGER TIME 0615 GMT			BOTTOM 4688M		WIND 320		SPEED 10KT		WEATHER 2		DOMINANT WAVES 320 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD						
									0	14.01	33.09		24.732	322.2	0						
									10	14.01	33.09		24.732	322.2	.032						
									20	13.98	33.09		24.739	321.6	.064						
									30	13.95	33.11		24.760	319.5	.097						
									50	13.94	33.12		24.770	318.6	.161						
									75	13.92	33.11		24.766	318.9	.241						
									100	11.00	33.03		25.265	271.4	.315						
									125	10.08	33.14		25.510	248.2	.381						
									150	9.59	33.39		25.786	221.9	.440						
									200	8.67	33.83		26.276	175.4	.541						
									250	7.81	33.90		26.460	157.9	.625						
									300	7.18	33.92		26.566	147.9	.705						
									400	6.15	33.99		26.758	129.6	.848						
									500	5.44	34.08		26.917	114.5	.976						
									600	4.90	34.18		27.059	101.0	1.090						

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

60152

LATITUDE 37 19.0N			LONGITUDE 122 36.0W			MO/DAY/YR 02/08/69		MESSENGER TIME 1430 GMT			BOTTOM 82M		WIND 160		SPEED 20KT		WEATHER 2		DOMINANT WAVES 200 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD						
									0	11.76	33.03		25.127	284.5	0						
									10	11.77	33.03		25.126	284.7	.029						
									20	11.77	33.03		25.126	284.7	.057						
									30	11.79	33.04		25.130	284.3	.085						
									50	11.87	33.09		25.153	282.1	.142						

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

63052

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 18.5N		122 36.5W		02/27/69		1514 GMT			93M	150	24KT	1	150 08 10		
Z	T	S	O2	PC4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	11.55	32.92		25.081	289.0	0
10									10	11.56	32.92		25.079	289.1	.029
20									20	11.63	33.01		25.136	283.7	.058
30									30	11.69	33.10		25.195	278.2	.086
50									50	11.67	33.20		25.276	270.4	.141
75									75	11.41	33.36		25.447	254.1	.207

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

63052

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 18.5N		122 36.5W		02/27/69		1532 GMT			93M	150	24KT	1	150 08 10		
Z	T	S	O2	PC4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.62	.64	1.	.05	.1		0				6.62		
9			6.71	.74	1.	.04	.2		10				6.71		
19			6.68	.80	1.	.07	.6		20				6.65		
29			6.34	.86	3.	.23	2.7		30				6.33		
49			6.12	.96	5.	.28	4.1		50				6.10		
74			5.30	1.45	11.	.23	10.8								

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 13.0N		122 50.0W		02/08/69		1230 GMT			293M	180	15KT	2	200 05		
Z	T	S	O2	PC4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	11.75	33.22		25.276	270.4	0
10									10	11.75	33.22		25.276	270.4	.027
20									20	11.75	33.22		25.276	270.4	.054
30									30	11.75	33.22		25.276	270.4	.081
50									50	11.73	33.25		25.303	267.8	.135
75									75	10.82	33.41		25.592	240.4	.199
100									100	9.98	33.67		25.939	207.4	.256
125									125	9.52	33.75		26.061	195.8	.306
150									150	9.28	33.81		26.164	186.0	.355
200									200	8.51	33.94		26.371	166.3	.445
250									250	7.99	33.96		26.481	155.9	.527

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

63055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 13.0N		122 50.0W		02/27/69		1720 GMT			331M	140	30KT	2	140 10 09		
Z	T	S	O2	PC4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.30		6.	.04	1.3		0				6.30		
8			6.26		6.	.41	3.0		10				6.26		
25			6.22		7.	.45	4.3		20				6.23		
34			6.03		7.	.15	4.8		30				6.12		
45			5.79		8.	.08	1.2U		50				5.47		
58			4.92	.84	16.	.26	18.4		75				4.26		
71			4.43	1.19	19.	.13	24.4		100				3.60		
88			3.77	1.41	25.	.11	28.3		125				3.44		
109			3.55	1.27U	27.	.04	24.5U								
130			3.42	1.83	29.	.04	39.8								

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

63055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
37 12.5N		122 45.5W		02/27/69		1740 GMT			331M	140	30KT	2	140 10 09		
Z	T	S	O2	PC4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	11.66	33.09		25.192	278.4	0
10									10	11.66	33.09		25.192	278.4	.028
20									20	11.66	33.09		25.192	278.4	.056
30									30	11.66	33.10		25.200	277.6	.084
50									50	11.27	33.39		25.496	249.5	.136
75									75	10.88	33.49		25.643	235.5	.197
100									100	10.45	33.57		25.781	222.4	.255
125									125	9.86	33.70		25.983	203.2	.309
150									150	9.50	33.79		26.112	190.9	.359
200									200	8.85	33.95		26.342	169.1	.451
250									250	8.44	34.02		26.460	157.9	.534
300									300	7.99	34.07		26.567	147.8	.613



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
37 03.0N		123 12.0W		02/08/69	0933 GMT			2576M	180	20KT	0	200 06			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	12.16	33.25		25.223	275.5	0
									10	12.16	33.25		25.223	275.5	.028
									20	12.16	33.25		25.223	275.5	.055
									30	12.12	33.25		25.230	274.8	.083
									50	11.49	33.20		25.309	267.3	.137
									75	10.12	33.50		25.783	222.2	.199
									100	9.63	33.69		26.013	200.3	.252
									125	9.23	33.81		26.172	185.3	.301
									150	9.12	33.95		26.299	173.2	.346
									200	8.58	34.01		25.431	160.7	.431
									250	8.27	34.10		26.548	149.5	.511
									300	8.02	34.14		26.517	143.0	.586
									400	6.85	34.12		26.768	128.6	.728
									500	6.20	34.15		26.878	118.2	.858
									600	5.41	34.24		27.047	102.2	.975

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 42.5N		123 55.0W		02/08/69	0454 GMT			3918M	200	12KT		200 06			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	12.00	32.97		25.036	293.2	0
									10	11.92	32.96		25.043	292.5	.029
									20	11.83	32.97		25.068	290.2	.058
									30	11.82	32.97		25.070	290.0	.088
									50	11.82	32.98		25.078	289.3	.146
									75	11.26	33.05		25.234	274.4	.216
									100	9.42	33.55		25.938	207.4	.277
									125	8.87	33.69		26.135	188.7	.327
									150	8.39	33.84		26.327	170.5	.373
									200	7.81	33.98		26.523	151.9	.455
									250	7.18	33.99		26.621	142.5	.530
									300	6.73	34.05		26.730	132.3	.601
									400	5.92	34.07		26.851	120.8	.732
									500	5.30	34.14		26.981	108.4	.853
									600	4.87	34.24		27.110	96.2	.961

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 23.0N		124 38.5W		02/08/69	0040 GMT			4270M	180	04KT	2	190 07			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	12.23	32.89		24.931	303.2	0
									10	12.12	32.89		24.952	301.3	.030
									20	12.10	32.89		24.956	300.9	.060
									30	12.10	32.89		24.956	300.9	.091
									50	12.09	32.89		24.957	300.7	.151
									75	10.36	33.12		25.447	254.2	.221
									100	9.27	33.55		25.762	205.1	.278
									125	8.97	33.73		25.151	187.3	.328
									150	8.34	33.80		26.303	172.8	.374
									200	7.51	33.93		26.527	151.5	.456
									250	6.83	33.98		26.661	138.8	.530
									300	6.43	34.02		26.746	130.8	.600
									400	5.58	34.05		26.877	118.4	.729
									500	5.15	34.19		27.038	103.0	.845
									600	4.75	34.25		27.132	94.2	.950

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 03.0N		125 20.0W		02/07/69	2035 GMT			4593M	310	05KT	2	320 07			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S1GT	DT	DD
									0	11.45	32.82		25.022	294.6	0
									10	11.26	32.80		25.040	292.8	.029
									20	11.24	32.80		25.044	292.5	.059
									30	11.23	32.80		25.046	292.3	.088
									50	11.23	32.81		25.054	291.6	.147
									75	9.67	33.38		25.765	223.9	.211
									100	9.12	33.63		26.049	195.9	.264
									125	8.85	33.78		26.209	181.8	.312
									150	8.47	33.85		26.322	171.0	.357
									200	7.88	33.99		26.520	152.2	.439
									250	6.92	33.97		26.641	140.7	.514
									300	6.47	33.99		26.717	133.5	.585
									400	5.80	34.07		26.866	119.4	.716
									500	5.14	34.14		27.000	105.7	.834
									600	4.84	34.25		27.122	95.1	.941

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 43.0N		126 03.0W		02/07/69		1650 GMT			4688M	310	08KT	2	320 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	11.53	32.83		25.015	295.3	0
									10	11.53	32.83		25.015	295.3	.030
									20	11.53	32.83		25.015	295.3	.059
									30	11.52	32.83		25.017	295.1	.089
									50	11.49	32.89		25.069	290.1	.147
									75	9.87	33.47		25.802	220.4	.212
									100	9.11	33.69		26.097	192.3	.264
									125	8.62	33.77		26.237	179.1	.310
									150	8.52	33.91		26.362	167.2	.354
									200	7.85	33.97		26.509	153.2	.435
									250	7.07	34.00		26.644	140.5	.511
									300	6.78	34.06		26.731	132.2	.581
									400	5.81	34.08		26.872	118.8	.712
									500	5.38	34.17		26.996	107.1	.830
									600	4.77	34.23		27.114	95.9	.938

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

63120

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 05.0N		127 30.0W		02/07/69		1010 GMT			4669M	320	05KT	1	320 10		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	13.95	33.06		24.722	323.2	0
									10	13.96	33.06		24.720	323.4	.032
									20	13.97	33.06		24.718	323.6	.065
									30	13.97	33.06		24.718	323.6	.097
									50	13.98	33.06		24.715	323.8	.162
									75	13.98	33.06		24.715	323.8	.243
									100	11.50	33.07		25.206	277.0	.319
									125	10.70	33.20		25.536	245.7	.385
									150	9.41	33.39		25.815	219.1	.444
									200	8.69	33.79		26.242	178.6	.545
									250	7.93	33.90		25.443	159.5	.631
									300	7.19	33.97		26.604	144.3	.709
									400	6.03	33.39		26.774	128.1	.851
									500	5.19	34.07		26.939	112.5	.976
									600	4.84	34.19		27.074	99.6	1.088

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

67050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 48.0N		122 05.0W		02/08/69		2106 GMT			494M	090	10KT	2	270 03		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	12.17	33.08		25.089	288.2	0
									10	12.17	33.13		25.137	283.6	.029
									20	11.95	33.26		25.270	271.0	.056
									30	11.92	33.28		25.291	269.0	.083
									50	11.86	33.29		25.310	267.2	.137
									75	11.06	33.40		25.542	245.2	.202
									100	9.75	33.63		25.746	206.7	.259
									125	8.95	33.84		26.240	178.8	.307
									150	8.82	33.92		26.323	170.9	.352
									200	8.39	34.01		26.460	157.9	.435
									250	8.16	34.05		26.526	151.7	.515
									300	7.65	34.06		26.609	143.8	.591
									400	6.52	34.12		26.799	125.7	.731

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

6705C

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 48.0N		122 05.0W		02/26/69		1731 GMT			159M	110	15KT	1	130 07 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	11.65	33.05		25.163	281.1	0
									10	11.66	33.05		25.161	281.3	.028
									20	11.65	33.05		25.163	281.1	.056
									30	11.67	33.07		25.175	280.0	.084
									50	11.45	33.29		25.378	260.7	.139
									75	10.75	33.50		25.674	232.5	.201
									100	10.08	33.60		25.868	214.2	.257
									125	9.76	33.70		25.999	201.7	.309



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

67050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 48.0N		122 05.0W		02/26/69		1758 GMT			159M	110	15KT	1	130 07 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	11.70	33.087	5.99	.82	10.	.26	5.6	279.3	0	11.70		5.99			
8	11.67	33.089	6.01	.82	10.	.20	5.9	278.6	10	11.67		6.01			
24	11.68		5.99	.90	10.	.33	6.9		20	11.68		5.99			
32	11.69		5.93	.20U	10.	.04	2.5U		30	11.69		5.95			
42	11.69	33.175	5.74	.90	11.	.35	9.2	272.6	50	11.51		5.30			
54	11.39		5.05	1.17	15.	.31	14.3		75	10.75		4.44			
65	11.02		4.62	1.35	18.	.05	18.2		100	10.11		3.79			
80	10.61	33.529	4.36	1.45	19.	.04	21.3	228.1							
94	10.13	33.619	3.96	1.45	22.	.02	26.0	213.6							
107	10.09		3.60	1.75	26.	.07	27.7								

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

67055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 39.0N		122 26.0W		02/08/69		2325 GMT			2203M	180	22KT	2	270 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	11.78								0	11.78	33.28		25.317	266.5	0
10	11.78								10	11.78	33.28		25.317	266.5	.027
20	11.78								20	11.78	33.28		25.317	266.5	.053
30	11.76								30	11.76	33.27		25.313	266.9	.080
50	11.75								50	11.75	33.29		25.331	265.2	.133
75	10.71								75	10.71	33.42		25.619	237.8	.197
100	10.29								100	10.29	33.63		25.855	215.3	.254
125	9.70								125	9.70	33.79		26.079	194.0	.306
150	9.52								150	9.52	33.83		26.140	188.3	.354
200	8.88								200	8.88	33.96		26.345	168.9	.445
250	8.24								250	8.24	34.02		26.490	155.0	.528
300	7.58								300	7.58	34.07		26.612	143.4	.605
400	6.83								400	6.83	34.16		26.802	125.4	.745
500	5.75								500	5.75	34.15		26.935	112.9	.870
600	5.06								600	5.06	34.26		27.104	96.8	.981

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

67055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 39.0N		122 25.0W		02/26/69		1422 GMT			2037M	260	02KT	1	290 06 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.09								0	12.09	33.20		25.197	277.9	0
10	12.10								10	12.10	33.20		25.195	278.1	.028
20	12.10								20	12.10	33.21		25.203	277.3	.056
30	12.10								30	12.10	33.21		25.203	277.3	.083
50	12.11								50	12.11	33.21		25.201	277.5	.139
75	10.54								75	10.54	33.37		25.610	238.6	.204
100	9.61								100	9.61	33.63		25.970	204.5	.260
125	9.21								125	9.21	33.79		26.159	186.4	.309
150	9.05								150	9.05	33.86		26.240	178.8	.356
200	8.39								200	8.39	34.00		26.452	158.7	.441
250	7.81								250	7.81	34.03		26.562	148.2	.520
300	7.47								300	7.47	34.10		26.666	138.3	.594
400	6.67								400	6.67	34.18		26.840	121.9	.729
500	6.04								500	6.04	34.22		26.954	111.1	.852

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

67055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 39.0N		122 25.0W		02/26/69		1458 GMT			2037M	260	02KT	1	290 06 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.02	.52	5.	.00	1.7		0			6.02			
9				.56	5.	.06	1.2		10			6.02			
29				.58	5.	.04	1.4		20			6.01			
39			6.01	.64	5.	.02	.0		30			6.01			
54			5.77	.38	7.	.03	.1		50			5.87			
69			4.92	1.17	14.	.09	14.2		75			4.57			
84			4.12	1.53	19.	.09	23.7		100			3.78			
104			3.74		25.	.05			125			3.33			
128			3.28		30.	.06			150			2.97			
153			2.94		35.	.09									

RV MILLER FREEMAN

CALCOFI CRUISE 6902

67060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 28.0N		122 47.0W		02/09/69		0205 GMT			3091M	180	25KT	2	270 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	12.15	33.26		25.232	274.6	0
10									10	12.15	33.26		25.232	274.6	.027
20									20	12.15	33.26		25.232	274.6	.055
30									30	12.13	33.28		25.252	272.7	.082
50									50	12.10	33.30		25.273	270.7	.137
75									75	10.85	33.46		25.625	237.2	.201
100									100	9.91	33.68		25.959	205.5	.257
125									125	9.57	33.77		26.085	193.5	.307
150									150	9.26	33.86		26.206	182.0	.355
200									200	8.73	33.95		26.360	167.4	.444
250									250	8.32	34.05		26.502	153.9	.526
300									300	7.86	34.06		26.578	145.7	.603
400									400	6.55	34.07		26.769	128.6	.746
500									500	5.90	34.14		25.908	115.4	.875
600									600	5.43	34.27		27.069	100.2	.989

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 28.0N		122 47.0W		02/26/69		1037 GMT			2945M	270	10KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	11.82	33.23		25.271	270.9	0
10									10	11.83	33.23		25.269	271.1	.027
20									20	11.83	33.23		25.269	271.1	.054
30									30	11.84	33.23		25.267	271.2	.081
50									50	11.76	33.24		25.290	269.1	.136
75									75	10.35	33.42		25.682	231.8	.199
100									100	9.35	33.63		26.012	200.4	.253
125									125	9.15	33.89		26.241	178.7	.301
150									150	8.78	33.97		26.368	166.6	.345
200									200	8.38	34.12		26.547	149.6	.425
250									250	7.75	34.12		26.641	140.7	.500
300									300	7.09	34.13		26.745	130.9	.570
400									400	6.39	34.20		26.893	116.9	.699
500									500	5.86	34.28		27.024	104.4	.816

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 28.0N		122 47.0W		02/26/69		1114 GMT			2945M	270	10KT	1			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0			6.02	.40	5.	.03	.0		0				6.02		
9			6.11	.50	5.	.06	2.2		10				6.11		
29			6.13	.54	5.	.06	2.0		20				6.12		
39			6.03	.380	6.	.05	1.3		30				6.13		
54			5.50	.80	9.	.19	7.9		50				5.69		
69			4.39	1.25	18.	.04	18.9		75				4.21		
84			4.05	1.35	22.	.04	19.9		100				3.71		
104			3.62		27.	.03			125				2.98		
128			2.91		32.	.03			150				2.95		
153			2.96	1.89	36.	.04	29.7								

RV MILLER FREEMAN

CALCOFI CRUISE 6902

67070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 08.0N		123 29.0W		02/07/69		0730 GMT			3673M	180	25KT		270 07		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0									0	11.83	33.28		25.308	267.4	0
10									10	11.83	33.28		25.308	267.4	.027
20									20	11.83	33.28		25.308	267.4	.054
30									30	11.83	33.28		25.308	267.4	.080
50									50	11.80	33.28		25.313	266.8	.134
75									75	9.92	33.55		25.856	215.3	.195
100									100	9.27	33.77		26.134	188.8	.245
125									125	8.83	33.89		26.298	173.3	.291
150									150	8.39	33.93		26.397	163.9	.334
200									200	7.85	34.00		26.533	151.0	.414
250									250	7.64	34.11		26.650	139.9	.489
300									300	7.35	34.13		26.707	134.5	.560
400									400	6.41	34.17		26.866	119.3	.692
500									500	5.55	34.19		26.991	107.5	.811
600									600	5.07	34.27		27.111	96.1	.919



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

67070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 09.0N		123 30.0W		02/26/69	C506	NC2	NC3	DT	3541M	280	18KT	1	290 08 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									C	11.63	32.96		25.097	287.4	0
									10	11.63	32.96		25.097	287.4	.029
									20	11.58	33.00		25.137	283.6	.057
									30	11.61	33.09		25.202	277.5	.085
									50	11.66	33.21		25.285	269.5	.140
									75	11.62	33.31		25.370	261.5	.207
									100	10.04	33.67		25.929	208.3	.266
									125	9.56	33.81		26.118	190.4	.317
									150	9.14	33.88		26.241	178.7	.363
									200	8.60	34.03		26.443	159.5	.450
									250	7.93	34.07		26.576	146.9	.528
									300	7.33	34.13		26.710	134.2	.601
									400	6.43	34.19		26.880	118.1	.732
									500	5.81	34.26		27.014	105.3	.850

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

67080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 48.0N		124 12.0W		02/28/69	1125	NC2	NC3	DT	4002M	180	20KT	6	180 08		
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.22	32.93		24.964	300.1	0
									10	12.22	32.93		24.964	300.1	.030
									20	12.22	32.93		24.964	300.1	.060
									30	12.22	32.93		24.964	300.1	.090
									50	12.23	32.93		24.962	300.3	.150
									75	11.27	33.23		25.372	261.3	.221
									100	9.62	33.51		25.874	213.5	.281
									125	9.53	33.71		26.045	197.3	.333
									150	8.92	33.83		26.237	179.1	.380
									200	7.89	33.94		26.400	155.0	.466
									250	7.19	34.01		26.635	141.3	.542
									300	6.81	34.07		26.734	131.9	.612
									400	6.13	34.18		26.911	115.1	.741
									500	5.74	34.25		27.015	105.3	.857
									600	5.52	34.30		27.081	99.0	.966

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

67080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 48.5N		124 12.0W		02/25/69	2345	NC2	NC3	DT	3938M	290	13KT	1	270 10 10		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.02	32.80		24.901	306.1	0
									10	11.93	32.80		24.918	304.5	.031
									20	11.77	32.82		24.963	300.2	.061
									30	11.61	32.84		25.008	295.9	.091
									50	10.74	32.86		25.179	279.6	.148
									75	9.71	33.26		25.665	233.4	.213
									100	9.14	33.55		25.983	203.2	.268
									125	8.93	33.79		26.204	182.2	.317
									150	8.75	33.89		26.310	172.1	.361
									200	8.00	34.06		26.558	148.6	.443
									250	7.34	34.06		26.653	139.6	.517
									300	6.85	34.13		26.776	127.9	.586
									400	5.96	34.18		26.932	113.1	.711
									500	5.45	34.25		27.045	102.4	.825

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

67090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 28.0N		124 55.0W		02/09/69	1545	NC2	NC3	DT	4403M	270	10KT	2	270 07		
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.35	32.75		24.800	315.7	0
									10	12.34	32.75		24.802	315.5	.032
									20	12.34	32.75		24.802	315.5	.063
									30	12.36	32.75		24.798	315.9	.095
									50	12.13	32.71		24.811	314.7	.158
									75	11.14	32.95		25.178	279.7	.233
									100	10.35	33.04		25.386	259.9	.301
									125	9.51	33.24		25.682	231.8	.363
									150	9.24	33.58		25.991	202.5	.418
									200	8.19	33.84		26.457	167.7	.512
									250	7.42	33.93		26.540	150.3	.593
									300	6.73	33.98		26.675	137.5	.667
									400	5.75	34.02		26.832	122.6	.802
									500	5.10	34.10		26.973	109.2	.923
									600	4.89	34.24		27.108	95.4	1.032

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

6709C

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
35 28.5N		124 56.0W		02/25/69	1848	GMT	4428M	270	13KT	1	270 10 10				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.38	33.08		24.853	310.6	0
									10	13.36	33.08		24.857	310.3	.031
									20	13.34	33.08		24.861	309.9	.062
									30	13.36	33.08		24.857	310.3	.093
									50	13.35	33.09		24.867	309.3	.155
									75	13.27	33.08		24.875	308.5	.233
									100	10.88	33.08		25.325	265.7	.305
									125	10.07	33.23		25.581	241.4	.369
									150	9.38	33.49		25.898	211.3	.426
									200	8.48	33.85		26.321	171.1	.524
									250	7.90	34.01		26.533	151.0	.606
									300	6.98	34.01		26.664	138.5	.681
									400	6.14	34.13		26.870	119.0	.814
									500	5.32	34.17		27.003	106.4	.933

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

57100

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
35 08.0N		125 37.0W		02/09/69	1950	GMT	4612M	320	10KT	2	270 07				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.17	33.02		24.645	330.4	0
									10	14.11	33.02		24.658	329.3	.033
									20	14.10	33.02		24.660	329.1	.066
									30	14.10	33.02		24.660	329.1	.099
									50	14.07	33.02		24.666	328.5	.165
									75	13.98	33.02		24.685	326.7	.247
									100	10.87	32.93		25.211	276.5	.323
									125	10.07	33.14		25.511	248.0	.389
									150	9.32	33.43		25.861	214.8	.448
									200	8.29	33.78		26.295	173.5	.546
									250	7.49	33.91		26.514	152.7	.630
									300	6.79	33.97		26.659	139.1	.705
									400	5.67	34.00		26.826	123.1	.841
									500	5.29	34.10		26.951	111.3	.963
									600	4.71	34.19		27.089	98.3	1.074

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

67120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 27.0N		127 00.5W		02/13/69	1810	GMT	4884M	350	10KT	1	350 09				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.38	33.14		24.694	325.8	0
									10	14.38	33.14		24.694	325.8	.033
									20	14.38	33.14		24.694	325.8	.065
									30	14.38	33.14		24.694	325.8	.098
									50	14.33	33.13		24.696	325.6	.163
									75	14.29	33.13		24.705	324.8	.245
									100	12.58	33.19		25.096	287.5	.322
									125	11.19	33.09		25.278	270.2	.392
									150	10.06	33.32		25.653	234.5	.456
									200	8.97	33.71		26.135	188.7	.564
									250	8.26	33.90		26.393	164.2	.654
									300	7.59	33.97		26.547	149.6	.735
									400	6.28	33.97		26.726	132.7	.881
									500	5.30	34.04		26.902	115.9	1.011
									600	4.76	34.17		27.067	100.3	1.125

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

70053

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 06.0N		121 54.0W		02/15/69	0136	GMT	1165M	140	30KT		180 05				
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.13	33.21		25.197	277.9	0
									10	12.13	33.21		25.197	277.9	.028
									20	12.13	33.21		25.197	277.9	.056
									30	12.13	33.21		25.197	277.9	.083
									50	12.12	33.21		25.199	277.7	.139
									75	10.50	33.30		25.562	243.2	.205
									100	9.81	33.61		25.921	209.1	.262
									125	9.08	33.72		26.126	189.7	.312
									150	8.65	33.83		26.279	175.1	.358
									200	8.50	34.08		26.498	154.3	.442
									250	7.94	34.10		26.598	144.8	.519
									300	7.68	34.12		26.652	139.7	.592
									400	6.70	34.11		26.781	127.5	.731
									500	6.00	34.14		26.896	116.5	.860
									600	5.36	34.23		27.045	102.4	.976



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70C53

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 06.5N		121 54.0W		02/22/69		C152 GMT			1044M	110	10KT	2	340 06 10		
Z	T	S	C2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.35	33.09		25.063	290.7	0
10									10	12.48	33.13		25.069	290.1	.029
20									20	12.45	33.15		25.090	288.1	.058
30									30	12.39	33.17		25.117	285.5	.087
50									50	11.97	33.29		25.289	269.1	.142
75									75	10.20	33.43		25.715	228.7	.205
100									100	9.41	33.63		26.002	201.4	.259
125									125	9.06	33.75		26.152	187.1	.308
150									150	9.02	33.89		26.268	176.2	.354
200									200	8.28	34.01		26.476	156.3	.439
250									250	7.91	34.04		26.555	148.9	.517
300									300	7.65	34.14		26.672	137.8	.591
400									400	6.92	34.19		26.814	124.3	.728
500									500	6.12	34.21		26.936	112.8	.853

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70053

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
36 06.5N		121 54.0W		02/22/69		0251 GMT			1044M	110	10KT	2	340 05 10		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.38	33.15H	6.23	.50	2.	.06	.4	286.2	0	12.38			6.23		
9	12.38	33.161	6.24	.46	4.	.07	.4	285.0	10	12.38			6.23		
29	12.34		6.08	.50	4.	.14	1.4		20	12.36			6.15		
38	12.34		6.10	.52	4.	.14	1.4		30	12.34			6.08		
48	12.31		5.99	.48		.21	2.7		50	12.18			5.89		
63	11.10	33.375	5.11	1.05		.10	13.4	247.7	75	10.77			4.59		
78	10.09		4.49	1.41		.06	19.9		100	9.38			4.01		
98	9.41		4.03	1.63		.05	24.5		125	9.19			3.67		
123	9.19		3.73	1.77		.05	26.3		150	9.02			3.23		
143	9.13		3.19	1.97		.04	29.0		200	8.24			3.18		
174	8.56		3.36	1.93		.04	28.9		250	8.08			2.50		
204	8.21		3.14	2.07		.05	30.4		300	7.89			1.73		
233	8.11		2.79	2.23		.05	30.8		400	6.80			1.03		
272	8.03		2.12	2.55		.05	32.6		500	6.00			.62		
332	7.65		1.39	3.22		.05	34.4								
406	6.72	34.180	1.01	3.40		.04	36.3	122.5							
480	6.16	34.216	.69	3.56		.05	38.6	112.8							
560	5.53		.46	3.64		.05	39.6								

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

70060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 53.0N		122 23.0W		02/14/69		2223 GMT			3163M	180	35KT	6	180 05		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.34	33.23		25.173	280.2	0
10									10	12.33	33.23		25.175	280.0	.028
20									20	12.34	33.23		25.173	280.2	.056
30									30	12.34	33.23		25.173	280.2	.084
50									50	12.36	33.24		25.177	279.8	.140
75									75	10.30	33.31		25.605	239.1	.206
100									100	9.54	33.65		25.997	201.9	.261
125									125	9.26	33.84		26.190	183.5	.310
150									150	8.93	33.92		26.305	172.6	.355
200									200	8.26	34.00		26.472	156.8	.439
250									250	7.89	34.04		26.558	148.5	.517
300									300	7.53	34.09		26.650	139.9	.592
400									400	6.51	34.09		26.790	125.5	.730
500									500	5.71	34.15		26.940	112.4	.856
600									600	5.17	34.22		27.060	101.0	.969

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 53.0N		122 22.5W		02/22/69		1601 GMT			2974M	110	09KT	1	270 12 10		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.28	33.26		25.208	276.9	0
10									10	12.34	33.26		25.196	278.0	.028
20									20	12.34	33.26		25.196	278.0	.056
30									30	12.34	33.26		25.196	278.0	.083
50									50	12.35	33.27		25.202	277.5	.139
75									75	11.14	33.52		25.620	237.7	.204
100									100	10.36	33.70		25.898	211.3	.261
125									125	9.93	33.79		26.041	197.7	.312
150									150	9.45	33.88		26.184	184.1	.361
200									200	8.68	34.00		26.407	162.9	.449
250									250	8.09	34.08		26.560	148.4	.529
300									300	7.59	34.13		26.672	137.7	.603
400									400	6.78	34.19		26.833	122.5	.738
500									500	5.81	34.25		27.006	106.1	.859

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 53.0N		122 22.5W		07/22/69		1658 GMT			2974M	110	09KT	1	270 12 10		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	12.29	33.233	5.92	.56	3.	.20	1.4	279.1	0	12.29			5.92		
10	12.29	33.232	5.96	.54	3.	.18	1.5	279.2	10	12.29			5.95		
20	12.31		5.98	.54	2.	.18	1.3		20	12.30			5.97		
30	12.33		6.02	.62	2.	.20	1.1		30	12.31			5.99		
40	12.41	33.415	5.98	.52	4.	.31	1.5	267.9	50	12.38			5.89		
60	11.88		5.11	.74	9.	.16	9.5		75	11.08			4.45		
78	10.88		4.30	1.41	16.	.61	18.7		100	10.19			3.43		
97	10.25		3.50	1.37	22.	.04	19.7		125	9.79			3.20		
121	9.87		3.21	1.73	24.	.01	24.0		150	9.30			3.12		
141	9.47		3.18	1.87	30.	.07	27.0		200	8.55			2.59		
169	8.98		2.93	2.09	34.	.02	30.5		250	7.83			2.31		
198	8.59		2.59	2.23	38.	.05	32.4		300	7.64			1.61		
226	8.04		2.56	2.47	41.	.03	34.0		400	6.87			.92		
267	7.76		2.08	2.59	47.	.03	34.9		500	6.09			.43		
319	7.56		1.37	2.93	55.	.02	37.2								
390	6.93	34.190	1.00	3.04	64.	.05	39.2	124.5							
463	6.46	34.293	.46	3.32	76.	.00	40.5	110.8							
542	5.57		.40	3.52	88.	.01	42.2								

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

70070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 33.0N		123 06.0W		02/14/69		1705 GMT			3907M	180	30KT	2	320 05		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	11.88	33.26							0	11.88	33.26		25.283	269.7	0
10	11.88	33.26							10	11.88	33.26		25.283	269.7	.027
20	11.88	33.26							20	11.88	33.26		25.283	269.7	.054
30	11.88	33.26							30	11.88	33.26		25.283	269.7	.081
50	11.88	33.26							50	11.88	33.26		25.283	269.7	.135
75	10.18	33.50							75	10.18	33.50		25.774	223.2	.197
100	9.51	33.71							100	9.51	33.71		25.048	197.0	.250
125	9.13	33.82							125	9.13	33.82		26.196	183.0	.298
150	8.91	33.89							150	8.91	33.89		26.285	174.5	.343
200	6.18	33.99							200	6.18	33.99		26.476	155.4	.428
250	7.60	34.02							250	7.60	34.02		26.585	146.1	.505
300	7.22	34.10							300	7.22	34.10		26.702	135.0	.578
400	6.23	34.11							400	6.23	34.11		26.843	121.6	.711
500	5.73	34.18							500	5.73	34.18		26.961	110.4	.833
600	5.19	34.27							600	5.19	34.27		27.097	97.5	.943

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 33.0N		123 05.0W		02/23/69		0733 GMT			3844M	180	30KT	6			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	12.25	33.16							0	12.25	33.16		25.136	283.7	0
10	12.25	33.16							10	12.25	33.16		25.136	283.7	.028
20	12.25	33.16							20	12.25	33.16		25.136	283.7	.057
30	12.21	33.18							30	12.21	33.18		25.159	281.5	.085
50	11.37	33.32							50	11.37	33.32		25.424	256.4	.139
75	10.05	33.46							75	10.05	33.46		25.757	224.7	.200
100	9.47	33.71							100	9.47	33.71		26.055	196.4	.253
125	9.08	33.85							125	9.08	33.85		26.227	180.0	.300
150	8.58	33.93							150	8.58	33.93		26.368	166.6	.344
200	8.14	34.03							200	8.14	34.03		26.513	152.9	.426
250	7.71	34.08							250	7.71	34.08		26.616	143.1	.501
300	7.05	34.11							300	7.05	34.11		26.733	132.0	.572
400	6.47	34.22							400	6.47	34.22		26.898	116.4	.702
500	5.63	34.28							500	5.63	34.28		27.052	101.7	.817



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
35 33.0N		123 05.0W		02/23/69		0818 GMT		3844M		180		30KT		6			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	12.27	33.159	6.08	.28	4.	.03	.0	284.2	0	12.27		6.08					
10	12.26	33.159	6.06	.54	4.	.07	.6	284.0	10	12.26		6.06					
29	12.29		6.12	.46	4.	.10	.6		20	12.28		6.08					
39	12.19		6.15	.48	4.	.12	.9		30	12.28		6.12					
49	11.95		6.20	.48	4.	.06	.9		50	11.93		6.16					
65	11.65	33.348	5.32	.48	8.	.07	10.2	259.2	75	10.65		4.68					
80	10.12		4.39		18.	.07	20.0		100	9.44		3.88					
100	9.44		3.88		26.	.04	23.0		125	9.15		3.21					
124	9.17		3.22		31.	.07	26.4		150	8.73		3.07					
143	8.85		3.10		34.	.06	30.0		200	8.13		2.62					
173	8.37		2.95		40.	.03	31.2		250	7.60		2.21					
202	8.11		2.59	2.25	45.	.03	31.9		300	7.03		1.80					
230	7.79		2.39	2.39	48.	.07	34.2		400	6.58		.83					
269	7.43		2.03	2.53	54.	.03	36.0		500	5.67		.41					
327	6.73		1.59	2.75	64.	.04	37.4										
398	6.60	34.204	.85	3.08	74.	.04	40.1	119.2									
468	5.90	34.265	.46	3.24	85.	.02	40.9	106.0									
541	5.45		.34	3.44	97.	.01	42.3										

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70075

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
35 23.0N		123 27.0W		02/23/69		1533 GMT		3164M		320		07KT		2		C70 03 04	
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	11.77	33.25		25.296	268.5	0		
									10	11.77	33.25		25.296	268.5	.027		
									20	11.77	33.26		25.304	267.8	.054		
									30	11.78	33.26		25.302	268.0	.081		
									50	11.80	33.27		25.306	267.6	.134		
									75	10.39	33.49		25.729	227.3	.196		
									100	9.50	33.73		26.065	195.4	.250		
									125	9.02	33.91		26.283	174.7	.297		
									150	8.57	33.97		26.401	163.5	.339		
									200	7.75	34.03		26.571	147.4	.419		
									250	7.19	34.06		26.674	137.6	.492		
									300	6.79	34.11		26.769	128.6	.560		
									400	6.32	34.24		26.933	113.0	.686		
									500	5.57	34.25		27.036	103.3	.800		

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70075

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
35 23.0N		123 27.0W		02/23/69		1629 GMT		3164M		320		07KT		2		070 03 04	
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	11.80	33.248	6.15	.70	5.	.16	2.8	269.2	0	11.80		6.15					
9	11.79	33.246	6.17	.60	5.	.16	2.7	269.2	10	11.79		6.17					
29	11.80		6.20	.60	5.	.11	2.8		20	11.80		6.19					
54	11.64		5.85	.68	7.	.16	5.9		30	11.79		6.19					
64	10.29	33.521	4.35	1.47	18.	.06	21.3	223.4	50	11.67		5.91					
75	9.93		4.00	1.61	22.	.04	24.7		75	9.93		4.00					
90	9.56		3.57	1.81	26.	.04	28.5		100	9.35		3.34					
105	9.26		3.25	1.89	31.	.20	30.5		125	8.94		2.99					
129	8.87		2.96	2.01	36.	.02	33.5		150	8.44		2.97					
149	8.46		2.97	2.09	39.	.03	34.8		200	7.75		2.64					
174	8.02		2.93	2.15	42.	.03	36.1		250	7.21		2.15					
204	7.72		2.59	2.31	47.	.04	38.3		300	6.81		1.46					
234	7.35		2.36	2.49	53.	.04	40.6		400	6.32		.70					
274	7.02		1.81	2.69	57.	.01	42.9		500	5.61		.45					
334	6.57		1.07	3.10	68.	.01	45.7										
408	6.29	34.216	.68	3.16	75.	.01	47.6	114.4									
483	5.71	34.217	.49	3.28	80.	.01	47.4	107.4									
559	5.32		.32	3.40	88.	.02	48.1										

RV MILLER FREEMAN CALCOFI CRUISE 6902 70080

LATITUDE 35 13.5N LONGITUDE 123 47.5W MO/DAY/YR 02/14/69 MESSENGER TIME 1306 GMT BOTTOM 4116M WIND 180 SPEED 20KT WEATHER 6 DOMINANT WAVES 180 02

Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.70	33.18		25.255	272.4	0
									10	11.71	33.18		25.253	272.6	.027
									20	11.72	33.18		25.251	272.8	.055
									30	11.73	33.18		25.249	273.0	.082
									50	10.48	33.29		25.558	243.6	.134
									75	9.67	33.66		25.983	203.2	.190
									100	9.28	33.83		26.179	184.6	.239
									125	9.00	33.94		26.310	172.1	.284
									150	8.82	33.98		26.370	165.5	.327
									200	8.36	34.07		26.511	153.0	.408
									250	7.84	34.07		26.589	145.7	.485
									300	7.37	34.13		26.704	134.8	.557
									400	6.54	34.19		26.865	119.5	.690
									500	5.83	34.22		26.980	108.6	.810
									600	5.15	34.29		27.118	95.5	.919

RV ALEXANDER AGASSIZ CALCCFI CRUISE 6902 70080

LATITUDE 35 13.0N LONGITUDE 123 47.5W MO/DAY/YR 02/24/69 MESSENGER TIME 1106 GMT BOTTOM 3926M WIND 240 SPEED 22KT WEATHER 2 DOMINANT WAVES

Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	11.80	33.17		25.228	274.9	0
									10	11.80	33.17		25.228	274.9	.028
									20	11.80	33.18		25.236	274.2	.055
									30	11.81	33.18		25.234	274.4	.082
									50	11.83	33.20		25.246	273.3	.137
									75	10.34	33.46		25.714	228.7	.201
									100	9.49	33.74		26.075	194.5	.254
									125	8.97	33.84		26.237	179.1	.301
									150	8.73	33.94		26.352	168.1	.345
									200	8.13	34.09		26.562	148.3	.426
									250	7.59	34.15		26.688	136.3	.499
									300	6.75	34.10		26.766	128.9	.567
									400	6.18	34.20		26.920	114.3	.694
									500	5.65	34.28		27.050	102.0	.808

RV MILLER FREEMAN CALCOFI CRUISE 6902 70090

LATITUDE 34 53.0N LONGITUDE 124 30.0W MO/DAY/YR 02/14/69 MESSENGER TIME 0920 GMT BOTTOM 4479M WIND 180 SPEED 10KT WEATHER 6 DOMINANT WAVES 270 06

Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.55	32.98		24.722	323.2	0
									10	13.66	32.98		24.719	323.4	.032
									20	13.66	32.98		24.719	323.4	.065
									30	13.66	32.98		24.719	323.4	.097
									50	13.66	32.98		24.719	323.4	.162
									75	13.41	32.96		24.755	320.0	.243
									100	11.49	33.07		25.208	276.9	.318
									125	10.25	33.19		25.520	247.2	.384
									150	9.33	33.52		25.929	208.3	.442
									200	8.32	33.84		26.337	169.5	.538
									250	7.68	33.93		26.503	153.9	.620
									300	7.07	33.97		26.620	142.7	.697
									400	6.09	34.03		26.798	125.9	.836
									500	5.34	34.12		26.961	110.4	.960
									600	4.92	34.21		27.081	99.0	1.071

RV ALEXANDER AGASSIZ CALCCFI CRUISE 6902 70090

LATITUDE 35 53.5N LONGITUDE 124 25.0W MO/DAY/YR 02/24/69 MESSENGER TIME 1825 GMT BOTTOM 4295M WIND 260 SPEED 15KT WEATHER 2 DOMINANT WAVES 270 15 10

Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.04	32.81		24.905	305.7	0
									10	12.04	32.81		24.905	305.7	.031
									20	12.04	32.82		24.913	305.0	.061
									30	12.04	32.81		24.905	305.7	.092
									50	11.94	32.82		24.931	303.2	.153
									75	10.78	33.06		25.327	265.5	.224
									100	9.68	33.26		25.670	233.0	.287
									125	9.54	33.68		26.020	199.7	.342
									150	9.22	33.87		26.220	180.7	.390
									200	8.45	34.03		26.460	157.9	.476
									250	7.89	34.08		26.590	145.6	.554
									300	7.02	34.08		26.714	133.8	.626
									400	6.34	34.20		26.899	116.2	.756
									500	5.18	34.19		27.035	103.4	.872



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70090

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	S1GT	DT	DD				
0	12.07	32.786	6.20	.40	2.	.00	.0	308.0	0	12.07					6.20				
9	12.08	32.783	6.25	.36	2.	.04	.0	308.4	10	12.08					6.25				
28	12.08		6.29	.40	2.	.05	.0		20	12.08					6.27				
37	12.08		6.22	.38	2.	.02	.0		30	12.08					6.27				
46	12.07		6.26	.40	2.	.06	.0		50	12.05					6.27				
57	11.92	32.820	6.28	.40	2.	.06	.4	302.8	75	10.85					5.99				
71	11.10		6.04	.48	4.	.05	3.2		100	9.97					5.17				
89	10.15		5.71	.50	7.	.03	3.1		125	9.65					3.98				
111	9.90		4.57	1.09	18.	.03	13.2		150	8.91					3.53				
128	9.58		3.88	1.65	25.	.03	24.5		200	8.45					2.82				
155	8.78		3.47	1.69	32.	.03	25.2		250	7.39					2.87				
181	8.89		2.67	1.91	37.	.03	27.0		300	6.79					2.66				
207	8.24		2.94	2.15	41.	.04	31.4		400	6.34					1.02				
242	7.54		3.53U	1.99U	44.	.05	30.3U		500	5.15					.84				
295	6.79		2.79	2.35	56.	.02	34.6												
363	6.85	34.163	1.11	2.93	70.	.02	38.0	125.4											
432	5.82	34.135U	.95	2.93	90.	.03	38.7												
510	5.08		.83	3.22	106.	.00	41.1												

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

70100

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	S1GT	DT	DD				
	34	33.0N	125	12.0W	02/14/69	0532	GMT			4593M	260	15KT				270	06		
0									0	14.04	33.05				24.695	325.7		0	
10									10	14.05	33.05				24.693	325.9		.033	
20									20	14.05	33.05				24.693	325.9		.065	
30									30	14.05	33.05				24.693	325.9		.098	
50									50	14.00	33.04				24.696	325.6		.163	
75									75	12.84	33.01				24.906	305.6		.243	
100									100	11.12	33.01				25.228	274.9		.316	
125									125	10.08	33.26				25.603	239.3		.380	
150									150	9.50	33.41				25.816	219.1		.438	
200									200	8.58	33.78				26.251	177.8		.539	
250									250	7.91	33.93				26.469	157.0		.625	
300									300	7.25	33.97				26.595	145.1		.703	
400									400	6.12	33.99				26.762	129.2		.845	
500									500	5.49	34.13				26.951	111.3		.971	
600									600	5.04	34.18				27.043	102.6		1.084	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70100

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	S1GT	DT	DD				
	34	33.5N	125	11.0W	02/25/69	0221	GMT			4459M	270	18KT				260	11	08	
0									0	13.60	33.12				24.840	311.9		0	
10									10	13.60	33.12				24.840	311.9		.031	
20									20	13.61	33.12				24.837	312.1		.062	
30									30	13.60	33.12				24.840	311.9		.094	
50									50	13.61	33.12				24.837	312.1		.156	
75									75	13.61	33.12				24.837	312.1		.235	
100									100	11.90	33.09				25.148	282.6		.310	
125									125	10.28	33.18				25.507	248.4		.377	
150									150	9.84	33.45				25.791	221.4		.436	
200									200	8.72	33.82				26.260	176.9		.537	
250									250	7.82	33.98				26.521	152.1		.621	
300									300	7.07	34.02				26.660	139.0		.696	
400									400	6.11	34.09				26.842	121.6		.832	
500									500	5.52	34.19				26.995	107.2		.952	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70100

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	S1GT	DT	DD
0	13.64	33.082	5.94	.38	2.	.02	.2	315.5	0	13.64		5.94			
10	13.64	33.087	5.93	.40	2.	.03	.1	315.1	10	13.64		5.93			
40	13.65		5.94	.36	2.	.02	.2		20	13.64		5.93			
65	13.65		5.95	.40	1.	.02	.2		30	13.65		5.94			
85	13.55		5.96	.32	1.	.03	.2		50	13.65		5.94			
100	11.82		5.87	.54	3.	.15	.7		75	13.60		5.95			
114	11.06	33.186	5.80	.68	5.	.05	4.5	260.9	100	11.82		5.87			
135	10.15		5.42	.76	9.	.10	4.0		125	10.54		5.62			
155	9.62		5.04	1.01	14.	.02	13.1		150	9.73		5.13			
180	9.05		4.62	1.31	21.	.03	20.2		200	8.65		4.10			
204	8.58		3.99	1.67	30.	.10	27.4		250	7.82		3.05			
230	8.15		3.51	1.95	37.	.05	30.9		300	7.03		2.88			
260	7.66		2.86	2.23	46.	.04	34.8		400	6.07		1.60			
295	7.08		2.95						500	5.52		.75			
344	6.63		2.13	2.65	59.	.01	39.3								
409	5.99	34.059	1.53	2.87	75.	.01	41.9	122.5							
484	5.60	34.139	.85	3.16	91.	.05	42.8	111.9							
564	5.18		.50	3.40	108.	.01	44.4								

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70110

Z	LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
	T	S	O2	PC4	S103	NC2	NC3	DT	Z	T	S	O2	S1GT	DT	DD
0	13.81		33.16						0	13.81	33.16		24.827	313.1	0
10	13.81		33.16						10	13.81	33.16		24.827	313.1	.031
20	13.81		33.16						20	13.81	33.16		24.827	313.1	.063
30	13.81		33.16						30	13.81	33.16		24.827	313.1	.094
50	13.81		33.16						50	13.81	33.16		24.827	313.1	.157
75	13.82		33.16						75	13.82	33.16		24.825	313.3	.236
100	13.64		33.14						100	13.64	33.14		24.847	311.3	.314
125	11.35		33.23						125	11.35	33.23		25.357	262.7	.387
150	10.03		33.32						150	10.03	33.32		25.658	234.1	.449
200	8.95		33.77						200	8.95	33.77		26.185	184.0	.556
250	8.01		33.97						250	8.01	33.97		26.486	155.5	.642
300	7.28		33.99						300	7.28	33.99		26.607	144.0	.720
400	6.11		34.07						400	6.11	34.07		26.827	123.1	.858
500	5.32		34.17						500	5.32	34.17		27.003	106.4	.978

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

70110

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	S1GT	DT	DD
0	13.96	33.143	5.89	.44	1.	.03	.1	317.3	0	13.96		5.89			
10	13.96	33.141	5.88	.36	1.	.02	.1	317.4	10	13.96		5.88			
39	13.95		5.91	.36	1.	.02	.1		20	13.96		5.88			
64	13.85		5.95	.32	2.	.04	.0		30	13.95		5.90			
84	13.75		6.12	.34	2.	.04	.0		50	13.91		5.93			
98	12.18	33.174	5.92	.46	3.	.04	1.3	281.4	75	13.79		6.07			
112	11.61		5.82	.54	4.	.06	2.4		100	12.07		5.91			
133	10.34		5.49	.52	7.	.05	2.5		125	10.83		5.64			
152	9.58		5.04	1.15	15.	.04	14.9		150	9.64		5.09			
177	9.15		4.48	1.47	23.	.09	21.9		200	8.87		3.97			
200	8.87		3.97	1.65	28.	.07	25.3		250	7.94		3.15			
226	8.41		3.56	1.85	35.	.08	28.9		300	7.28		2.56			
255	7.85		3.07	2.11	43.	.11	32.3		400	6.08		1.78			
290	7.40		2.62	2.35	51.	.06	34.9		500	5.28		.98			
339	6.84		2.36	2.53	59.	.04	37.5								
404	6.03	34.040	1.74	2.77	76.	.04	40.4	124.0							
478	5.40	34.101	1.13	3.06	97.	.03	43.0	112.5							
558	5.10		.65	3.24	114.	.03	43.5								



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

70120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 53.0N		126 35.5W		02/13/69	2215 GMT				4688M	99	05KT	2	350 09		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S12	DT	DD
0									0	14.48	33.10		24.642	330.8	0
10									10	14.39	33.10		24.661	329.0	.033
20									20	14.38	33.10		24.663	328.8	.066
30									30	14.37	33.10		24.665	328.6	.099
50									50	14.37	33.10		24.665	328.5	.165
75									75	14.34	33.09		24.664	328.7	.247
100									100	12.54	33.09		25.026	294.2	.326
125									125	11.32	33.04		25.216	276.1	.398
150									150	10.00	33.17		25.547	244.7	.464
200									200	9.03	33.78		26.180	184.5	.572
250									250	8.02	33.92		26.445	159.3	.660
300									300	7.42	33.96		26.563	148.1	.740
400									400	6.18	33.99		26.755	130.0	.884
500									500	5.30	34.09		26.942	112.2	1.010
600									600	4.88	34.18		27.062	100.8	1.123

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

73053

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 31.4N		121 28.5W		02/15/69	1618 GMT				733M	180	15KT	2	180 08		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S12	DT	DD
0									0	12.70	33.17		25.057	291.2	0
10									10	12.70	33.17		25.057	291.2	.029
20									20	12.70	33.17		25.057	291.2	.058
30									30	12.68	33.17		25.061	290.9	.087
50									50	12.39	33.21		25.148	282.6	.145
75									75	11.14	33.22		25.388	259.8	.213
100									100	9.68	33.43		25.802	220.4	.274
125									125	9.01	33.67		26.098	192.3	.326
150									150	8.39	33.83		26.319	171.3	.372
200									200	7.92	33.95		26.483	155.7	.455
250									250	7.69	34.06		26.603	144.3	.532
300									300	7.53	34.15		26.697	135.4	.604
400									400	6.65	34.13		26.803	125.3	.740
500									500	6.16	34.19		26.915	114.8	.866
600									600	5.62	34.24		27.022	104.6	.983

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

73053

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 31.5N		121 28.5W		02/21/69	0927 GMT				741M	330	18KT	2	320 12 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S12	DT	DD
0									0	12.67	33.13		25.032	293.6	0
10									10	12.68	33.13		25.030	293.8	.029
20									20	12.68	33.14		25.038	293.1	.059
30									30	12.68	33.14		25.038	293.1	.088
50									50	12.47	33.18		25.109	286.3	.146
75									75	10.76	33.21		25.447	254.1	.214
100									100	9.95	33.39		25.726	227.6	.275
125									125	9.35	33.53		25.934	207.9	.330
150									150	8.91	33.74		26.168	185.6	.380
200									200	8.72	34.06		26.448	159.1	.467
250									250	8.21	34.15		26.597	144.9	.545
300									300	7.48	34.19		26.735	131.8	.617
400									400	6.51	34.20		26.877	118.3	.747
500									500	5.85	34.28		27.020	104.8	.865

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

73053

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 31.5N		121 28.5W		02/21/69	1013 GMT				741M	330	18KT	2	320 12 12		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S12	DT	DD
0	12.71	33.128	6.27	.48	2.	.02	.0	294.5	0	12.71			6.27		
10	12.68	33.129	6.31	.46	2.	.08	.0	293.9	10	12.68			6.31		
30	12.69		6.29	.46	3.	.07	.0		20	12.69			6.30		
54	12.08		5.96	.64	4.	.14	4.1		30	12.69			6.29		
64	11.66	33.226	5.66	.70	5.	.06	5.9	268.3	50	12.22			6.05		
74	10.66		5.38	.98	8.	.06	10.7		75	10.62			5.37		
89	10.36		5.25	1.03	9.	.05	12.3		100	9.91			4.92		
105	9.69		4.75	1.19	14.	.08	14.6		125	9.21			4.30		
129	9.15		4.23	1.51	21.	.08	20.9		150	8.82			3.82		
149	8.83		3.85	1.75	25.	.04	26.6		200	8.50			3.06		
174	8.69		3.12	2.03	31.	.04	28.3		250	8.14			1.66		
204	8.48		3.05	2.07	33.	.05	28.9		300	7.42			1.28		
234	8.44		1.81	2.49	40.	.05	34.1		400	6.54			.78		
274	7.62		1.43	2.79	50.	.03	37.2		500	6.00			.47		
333	7.27		1.13	2.91	55.	.03	38.1								
407	6.46	34.190	.75	3.08	65.	.03	40.5	118.5							
481	6.10	34.234	.52	3.22	71.	.06	41.7	110.8							
558	5.66		.31	3.42	82.	.05	42.3								

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

73060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
35 17.5N			121 58.0W			02/15/69		2000 GMT			2410M		230		10KT		0		250 10		
Z	T	S	02	PC4	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD						
									0	12.62	33.14		25.049	292.0	0						
									10	12.52	33.14		25.069	290.1	.029						
									20	12.49	33.14		25.075	289.5	.058						
									30	12.48	33.15		25.084	288.7	.087						
									50	11.73	33.21		25.272	270.8	.143						
									75	9.96	33.39		25.724	227.8	.206						
									100	9.31	33.57		25.972	204.3	.260						
									125	8.89	33.75		26.179	184.6	.309						
									150	8.48	33.84		26.313	171.9	.355						
									200	7.75	33.95		26.508	153.3	.437						
									250	7.51	34.04		26.613	143.3	.513						
									300	7.27	34.11		26.702	134.9	.585						
									400	6.39	34.11		26.822	123.6	.720						
									500	5.78	34.20		26.971	109.5	.842						
									600	5.25	34.27		27.090	98.1	.953						

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

73060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
35 18.5N			121 57.5W			02/21/69		0535 GMT			2974M		010		24KT		1		320 14 11		
Z	T	S	02	PC4	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD						
									0	12.62	33.06		24.988	297.8	0						
									10	12.61	33.06		24.990	297.7	.030						
									20	12.62	33.06		24.986	298.0	.060						
									30	12.51	33.13		25.063	290.7	.089						
									50	12.12	33.20		25.192	278.4	.146						
									75	10.97	33.29		25.472	251.7	.213						
									100	9.96	33.48		25.795	221.1	.272						
									125	8.97	33.65		26.088	193.2	.325						
									150	8.58	33.84		26.298	173.3	.371						
									200	7.92	33.94		26.475	156.4	.455						
									250	7.38	34.01		26.608	143.8	.532						
									300	7.11	34.09		26.709	134.3	.604						
									400	6.29	34.15		26.866	119.3	.736						
									500	5.71	34.18		26.963	110.1	.856						

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

73070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
34 58.0N			122 40.0W			02/16/69		0055 GMT			4116M		270		10KT				270 10		
Z	T	S	02	PC4	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD						
									0	12.62	33.14		25.049	292.0	0						
									10	12.46	33.14		25.080	289.0	.029						
									20	12.42	33.15		25.096	287.6	.058						
									30	12.41	33.16		25.105	285.6	.087						
									50	12.25	33.18		25.151	282.3	.144						
									75	10.06	33.45		25.754	224.9	.208						
									100	9.05	33.64		26.068	195.1	.260						
									125	8.75	33.76		26.209	181.8	.308						
									150	8.23	33.87		26.374	166.0	.352						
									200	7.44	33.92		26.529	151.3	.433						
									250	7.04	33.98		26.632	141.5	.508						
									300	6.98	34.11		26.743	131.1	.578						
									400	6.23	34.16		26.882	117.9	.708						
									500	5.81	34.22		26.983	108.3	.827						
									600	5.22	34.30		27.117	95.6	.935						

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

73070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
34 59.0N			122 40.0W			02/20/69		2344 GMT			4061M		320		30KT		1		320 16 13		
Z	T	S	02	PC4	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD						
									0	12.26A	33.10A		25.088	288.3	0						
									10	12.26	33.10		25.088	288.3	.029						
									20	12.26	33.10		25.088	288.3	.058						
									30	12.27	33.10		25.086	288.5	.087						
									50	12.27	33.10		25.086	288.5	.144						
									75	11.69	33.21		25.280	270.1	.215						
									100	10.32	33.46		25.718	228.4	.277						
									125	9.24	33.70		26.084	193.6	.331						
									150	8.67	33.89		26.323	170.9	.377						
									200	7.63	33.94		26.518	152.4	.459						
									250	7.11	34.01		26.646	140.2	.534						
									300	6.81	34.09		26.750	130.4	.604						
									400	6.37	34.20		26.895	116.6	.732						
									500	5.67	34.25		27.024	104.4	.849						

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

73080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 38.0N		123 22.0W		02/16/69	0455	GMT		4116M	270	05KT		270 08			
Z	T	S	D2	PC4	SIG3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.43	32.90		24.901	305.1	0
									10	12.43	32.90		24.901	305.1	.031
									20	12.48	32.97		24.945	301.9	.061
									30	12.47	33.03		25.003	296.4	.091
									50	12.40	33.09		25.053	291.6	.150
									75	11.32	33.20		25.340	264.4	.220
									100	9.73	33.62		25.942	207.1	.279
									125	9.27	33.73		26.103	191.8	.330
									150	8.89	33.88		26.281	174.9	.376
									200	8.06	33.96		26.470	155.9	.461
									250	7.34	34.01		26.614	143.3	.538
									300	6.84	34.04		26.707	134.5	.609
									400	5.97	34.11		26.876	118.5	.740
									500	5.55	34.20		26.999	105.8	.859
									600	5.05	34.25		27.098	97.4	.967

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

7308C

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 39.0N		123 23.0W		02/20/69	1539	GMT		4213M	330	30KT	2	330 16 13			
Z	T	S	D2	PC4	SIG3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.47A	33.01A		24.978	298.8	0
									10	12.47	33.01		24.978	298.8	.030
									20	12.47	33.01		24.978	298.8	.060
									30	12.47	33.01		24.978	298.8	.090
									50	12.02	33.23		25.234	274.4	.147
									75	10.32	33.40		25.671	232.8	.211
									100	9.65	33.65		25.978	203.6	.266
									125	9.16	33.79		26.167	185.7	.315
									150	8.75	33.91		26.326	170.6	.360
									200	8.12	33.99		26.485	155.5	.443
									250	7.55	34.05		26.615	143.1	.520
									300	6.94	34.08		26.725	132.8	.591
									400	5.92	34.14		26.906	115.6	.720
									500	5.32	34.24		27.058	101.2	.834

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

73090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 18.5N		124 04.0W		02/16/69	0850	GMT		4465M	340	05KT	0	270 08			
Z	T	S	D2	PC4	SIG3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
									0	13.32	32.93		24.750	320.5	0
									10	13.32	32.93		24.750	320.5	.032
									20	13.32	32.93		24.750	320.5	.064
									30	13.24	32.91		24.750	320.5	.096
									50	12.47	32.75		24.777	317.9	.160
									75	11.99	32.75		24.868	309.2	.239
									100	10.83	32.88		25.179	279.6	.313
									125	10.08	33.23		25.580	241.5	.379
									150	9.41	33.47		25.877	213.2	.436
									200	8.47	33.81		26.291	173.9	.535
									250	7.86	33.96		26.500	154.1	.619
									300	7.18	33.98		26.613	143.4	.695
									400	5.72	34.01		26.828	123.0	.833
									500	5.34	34.16		26.992	107.4	.954
									600	5.16	34.28		27.108	95.4	1.062

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

73090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 18.5N		124 04.0W		02/20/69	1008	GMT		3263M	340	27KT	2	340 15 12			
Z	T	S	D2	PC4	SIG3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
									0	13.1CA	32.91A		24.778	317.8	0
									10	13.1C	32.91		24.778	317.8	.032
									20	13.10	32.91		24.778	317.8	.064
									30	13.06	32.91		24.786	317.1	.095
									50	12.13	32.80		24.880	308.1	.158
									75	12.11	32.95		25.000	296.7	.234
									100	9.92	33.09		25.498	249.3	.303
									125	9.75	33.50		25.845	216.3	.362
									150	8.91	33.80		26.215	181.2	.412
									200	8.07	33.92		26.438	160.0	.499
									250	7.30	33.97		26.588	145.7	.577
									300	6.74	34.02		26.705	134.7	.649
									400	5.51	34.05		26.885	117.6	.780
									500	5.24	34.20		27.036	103.3	.896

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.

## RV MILLER FREEMAN

## CALCIFI CRUISE 6902

73100

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES			
33 58.5N		124 45.0W		02/16/69	1300 GMT		4688M		180	07KT	0	270 04			
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
									0	13.54	33.01		24.747	320.8	0
									10	13.68	33.01		24.739	321.6	.032
									20	13.68	33.01		24.739	321.6	.064
									30	13.68	33.01		24.739	321.6	.097
									50	13.68	33.01		24.739	321.6	.161
									75	13.17	33.01		24.841	311.8	.241
									100	11.13	33.07		25.273	270.7	.314
									125	10.06	33.26		25.607	239.0	.378
									150	9.53	33.64		25.990	202.5	.434
									200	8.96	34.92		26.301	173.0	.530
									250	8.49	34.04		26.468	157.2	.614
									300	8.14	34.09		26.560	148.4	.693
									400	7.25	34.17		26.752	130.2	.838
									500	6.58	34.19		25.860	120.0	.970
									600	5.77	34.22		26.988	107.9	1.091

## RV MILLER FREEMAN

## CALCIFI CRUISE 6902

73120

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES			
33 18.0N		126 09.5W		02/16/69	1930 GMT		4422M		200	10KT	2	270 05			
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
									0	14.74	33.13		24.609	333.9	0
									10	14.72	33.13		24.614	333.4	.033
									20	14.72	33.13		24.614	333.4	.067
									30	14.70	33.12		24.610	333.8	.100
									50	14.63	33.10		24.610	333.8	.167
									75	14.06	32.99		24.645	330.5	.251
									100	13.19	32.98		24.814	314.4	.332
									125	11.34	33.02		25.197	278.0	.406
									150	10.32	33.23		25.539	245.4	.473
									200	9.15	33.69		26.091	192.9	.584
									250	8.25	33.88		26.379	165.6	.676
									300	7.53	34.00		26.579	146.6	.756
									400	6.75	34.09		26.758	129.6	.899
									500	5.84	34.15		26.924	113.9	1.027
									600	5.28	34.21		27.039	103.0	1.142

## RV ALEXANDER AGASSIZ

## CALCIFI CRUISE 6902

77048

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES			
35 08.5N		120 43.5W		02/19/69	0425 GMT		56M		300	18KT	1	290 06 08			
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
									0	12.39A	33.30A		25.217	276.0	0
									10	12.35	33.31		25.225	275.2	.028
									20	12.22	33.31		25.258	272.1	.055

## RV MILLER FREEMAN

## CALCIFI CRUISE 6902

77051

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM		WIND	SPEED	WEATHER	DOMINANT WAVES			
35 02.0N		120 56.5W		02/18/69	0425 GMT		274M			00KT		270 03			
Z	T	S	DT	P04	S103	N02	N03	DT	Z	T	S	DT	S1GT	DT	DD
									0	12.63	33.17		25.071	289.9	0
									10	12.62	33.17		25.073	289.8	.029
									20	12.47	33.15		25.086	288.5	.058
									30	12.32	33.24		25.184	279.1	.086
									50	11.00	33.27		25.451	253.7	.140
									75	10.73	33.57		25.732	227.0	.200
									100	10.42	33.61		25.817	218.9	.256
									125	9.73	33.81		26.090	193.0	.309
									150	9.36	33.92		26.236	179.1	.356
									200	8.47	34.03		26.463	157.6	.442
									250	8.12	34.08		26.555	148.9	.520

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

77051

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 02.0N			120 56.5W			02/19/69		0235 GMT			342M	320	19KT	1	290 06 07		
Z	T	S	02	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD		
0									0	12.53A	33.23A		25.136	283.7	0		
10									10	12.53	33.23		25.136	283.7	.028		
20									20	12.53	33.23		25.136	283.7	.057		
30									30	12.33	33.27		25.206	277.1	.085		
50									50	11.55	33.33		25.398	258.8	.139		
75									75	9.86	33.42		25.765	224.0	.199		
100									100	9.37	33.69		26.055	196.3	.252		
125									125	9.47	33.91		26.211	181.6	.300		
150									150	9.32	33.98		26.290	174.1	.345		
200									200	8.45	34.06		26.483	155.7	.429		
250									250	8.00	34.15		26.628	142.0	.506		
300									300	7.76	34.17		26.679	137.1	.578		

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

77051

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
35 02.0N			120 56.5W			02/19/69		0312 GMT			342M	320	19KT	1	290 06 07		
Z	T	S	02	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD		
0	12.59	33.217	6.23	.50	5.	.05	1.4	285.7	0	12.59			6.23				
9	12.59	33.214	6.19	.46	5.	.08	1.7	286.0	10	12.58			6.18				
29	12.41		6.02	.58	6.	.15	3.1		20	12.49			6.10				
44	11.49	33.287	5.47	.84	8.	.12	8.3	260.9	30	12.35			5.99				
59	10.93		4.93	.86	13.	.04	12.9		50	11.27			5.23				
74	9.94		4.82	1.23	15.	.02	17.1		75	9.89			4.80				
90	9.39		4.35	1.47	21.	.00	21.8		100	9.46			3.92				
109	9.53		3.53	1.59	28.	.01	21.8		125	9.48			3.01				
133	9.45		2.81	1.93	34.	.00	27.5		150	9.35			2.60				
163	9.21		2.54	2.17	39.	.00	30.6		200	8.40			2.42				
193	8.41		2.44	2.23	45.	.00	32.1		250	8.01			1.81				
234	8.09		1.89	2.31	56.	.02	31.7		300	7.80			1.57				
269	7.94	34.127	1.76	2.55	61.	.05	35.2	142.8									
309	7.76	34.154	1.50	2.69		.05	36.5	138.3									

## RV MILLER FREEMAN

## CALCCFI CRUISE 6902

77055

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 54.5N			121 13.0W			02/18/69		0200 GMT			563M	320	10KT		320 04		
Z	T	S	02	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD		
0									0	12.82	33.11		24.987	297.9	0		
10									10	12.76	33.12		25.007	296.0	.030		
20									20	12.67	33.13		25.032	293.6	.059		
30									30	12.67	33.13		25.032	293.6	.089		
50									50	12.58	33.15		25.065	290.5	.147		
75									75	11.38	33.18		25.313	266.9	.217		
100									100	9.99	33.39		25.719	228.2	.280		
125									125	10.07	33.71		25.955	205.9	.334		
150									150	9.17	33.87		26.228	179.9	.383		
200									200	8.81	33.97		26.363	167.1	.472		
250									250	8.32	34.07		26.517	152.5	.554		
300									300	7.82	34.16		26.662	138.7	.629		
400									400	6.77	34.18		26.826	123.1	.765		
500									500	6.07	34.23		26.958	110.7	.888		

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

77055

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 54.5N			121 13.0W			02/19/69		0613 GMT			556M	320	22KT	5			
Z	T	S	02	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD		
0									0	12.62	33.14		25.049	292.0	0		
10									10	12.62	33.14		25.049	292.0	.029		
20									20	12.62	33.14		25.049	292.0	.058		
30									30	12.61	33.14		25.051	291.8	.088		
50									50	12.62	33.15		25.057	291.2	.146		
75									75	11.87	33.19		25.231	274.7	.217		
100									100	10.41	33.33		25.601	239.5	.282		
125									125	10.23	33.72		25.935	207.7	.339		
150									150	9.58	33.85		26.146	187.7	.389		
200									200	8.64	34.03		26.437	160.1	.477		
250									250	8.21	34.12		26.573	147.2	.556		
300									300	7.75	34.17		26.681	137.0	.629		
400									400	6.97	34.24		26.846	121.3	.764		
500									500	6.06	34.25		26.975	109.1	.886		

A) THE DATA FOR THIS LOWERING WERE ACT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.

## RV MILLER FREEMAN

## CALCOFI CRUISE 5902

77060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 44.0N		121 34.0W		02/17/69		2325 GMT			896M	180	15KT	6	270 04		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	13.07	33.23		25.031	293.7	0
10									10	12.95	33.21		25.039	293.0	.029
20									20	12.87	33.23		25.070	290.0	.059
30									30	12.83	33.23		25.078	289.2	.088
50									50	12.73	33.23		25.098	287.4	.145
75									75	11.62	33.40		25.440	254.8	.214
100									100	10.67	33.52		25.704	229.7	.275
125									125	10.06	33.74		25.980	203.5	.329
150									150	9.37	33.77		25.118	190.4	.379
200									200	8.62	33.98		26.401	163.5	.469
250									250	7.65	33.95		26.523	152.0	.550
300									300	6.94	33.98		26.646	140.2	.625
400									400	6.13	34.07		26.824	123.4	.762
500									500	5.62	34.18		26.974	109.1	.884
600									600	5.56	34.27		27.053	101.7	.996

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

7706C

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 44.5N		121 35.0W		02/16/69		0927 GMT			903M	300	24KT	2			
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.77A	33.07A		24.966	299.9	0
10									10	12.77	33.08		24.974	299.1	.030
20									20	12.78	33.08		24.972	299.3	.060
30									30	12.78	33.08		24.972	299.3	.090
50									50	12.56	33.05		24.992	297.5	.150
75									75	11.55	33.31		25.383	260.2	.220
100									100	10.45	33.58		25.782	222.3	.281
125									125	9.90	33.72		25.991	202.4	.334
150									150	9.45	33.80		26.122	190.0	.384
200									200	8.82	33.92		26.323	170.9	.476
250									250	8.11	33.96		26.463	157.6	.560
300									300	7.02	33.92		26.588	145.8	.638
400									400	5.98	33.99		26.780	127.5	.780
500									500	5.44	34.05		26.894	116.8	.907

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

77070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.0N		122 16.0W		02/17/69		1845 GMT			4021M	180	16KT	2	270 04		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.91	33.08		24.947	301.8	0
10									10	12.88	33.07		24.945	301.9	.030
20									20	12.86	33.07		24.949	301.6	.060
30									30	12.76	33.07		24.968	299.7	.091
50									50	12.67	33.09		25.001	296.6	.150
75									75	11.05	33.19		25.380	260.5	.220
100									100	9.84	33.44		25.783	222.2	.281
125									125	9.37	33.68		26.048	197.0	.334
150									150	9.10	33.84		26.216	181.1	.382
200									200	8.25	33.99		26.465	157.4	.468
250									250	7.68	34.05		26.597	144.9	.546
300									300	7.09	34.07		26.696	135.5	.618
400									400	6.36	34.17		26.873	118.7	.750
500									500	5.67	34.22		27.000	106.7	.869
600									600	5.22	34.26		27.086	98.6	.978

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

7707C

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.0N		122 16.0W		02/19/69		1500 GMT			4111M	340	21KT	2	320 08 08		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.80	33.02		24.922	304.1	0
10									10	12.80	33.02		24.922	304.1	.030
20									20	12.80	33.02		24.922	304.1	.061
30									30	12.80	33.02		24.922	304.1	.091
50									50	12.77	33.02		24.928	303.6	.152
75									75	11.47	33.15		25.274	270.6	.224
100									100	10.15	33.35		25.655	234.4	.288
125									125	9.37	33.66		26.032	198.5	.343
150									150	9.05	33.77		26.169	185.5	.391
200									200	8.35	33.93		26.403	163.3	.480
250									250	7.64	33.99		26.555	148.8	.560
300									300	7.04	34.04		26.679	137.1	.634
400									400	6.25	34.14		26.859	120.1	.767
500									500	5.68	34.21		26.991	107.6	.887

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

77080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 04.0N		122 57.0W		02/17/69	1445 GMT				4263M	180	20KT		270 04		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	13.29	32.95		24.771	318.5	0
10									10	13.14	32.90		24.762	319.3	.032
20									20	12.97	32.94		24.827	313.2	.064
30									30	12.95	32.95		24.838	312.1	.095
50									50	12.04	33.13		25.153	282.2	.154
75									75	11.06	33.25		25.425	256.2	.222
100									100	9.87	33.54		25.856	215.2	.282
125									125	9.18	33.59		26.008	200.8	.334
150									150	8.61	33.81		26.270	176.0	.382
200									200	8.00	33.94		26.464	157.6	.467
250									250	7.36	33.98		26.588	145.8	.544
300									300	6.74	34.01		26.697	135.4	.617
400									400	6.01	34.08		26.847	121.2	.750
500									500	5.36	34.17		26.998	106.9	.869
600									600	5.26	34.31		27.120	95.3	.977

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

77080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 05.0N		122 56.0W		02/19/69	2028 GMT				4241M	330	18KT	1	330 09 08		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	13.32	32.95		24.765	319.0	0
10									10	13.32	32.95		24.765	319.0	.032
20									20	13.31	32.95		24.767	318.9	.064
30									30	12.83	32.98		24.885	307.6	.095
50									50	12.62	33.08		25.003	296.4	.156
75									75	11.05	33.33		25.489	250.1	.224
100									100	10.04	33.49		25.789	221.6	.284
125									125	9.37	33.77		26.118	190.4	.336
150									150	8.94	33.84		26.241	178.7	.383
200									200	8.06	33.94		26.455	158.4	.469
250									250	7.45	33.98		26.575	147.0	.547
300									300	6.78	34.03		26.707	134.5	.619
400									400	5.70	34.07		26.878	118.3	.750
500									500	5.33	34.19		27.017	105.0	.867

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

77090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 43.0N		123 39.0W		02/17/69	1040 GMT				4403M	180	15KT	0	270 05		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.94	33.03		24.902	306.0	0
10									10	12.94	33.03		24.902	306.0	.031
20									20	12.76	33.02		24.930	303.4	.061
30									30	12.69	33.03		24.951	301.3	.091
50									50	12.30	33.18		25.142	283.2	.150
75									75	10.85	33.27		25.478	251.2	.217
100									100	9.99	33.37		25.704	229.7	.278
125									125	9.15	33.65		26.060	195.9	.332
150									150	8.85	33.81		26.232	179.5	.379
200									200	8.13	33.93		26.436	160.1	.466
250									250	7.38	33.94		26.553	149.0	.545
300									300	6.60	33.95		26.668	138.1	.619
400									400	5.77	34.01		26.822	123.6	.754
500									500	5.43	34.18		26.997	106.9	.875
600									600	4.95	34.27		27.125	94.8	.982

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

77090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 44.0N		123 39.0W		02/20/69	0139 GMT				4155M	340	16KT	2	340 15 12		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.66A	32.89A		24.849	311.1	0
10									10	12.67	32.90		24.854	310.5	.031
20									20	12.69	32.90		24.851	310.9	.062
30									30	12.69	32.92		24.866	309.4	.093
50									50	12.22	33.16		25.142	283.2	.153
75									75	11.42	33.30		25.399	258.7	.221
100									100	10.14	33.54		25.811	219.6	.281
125									125	9.35	33.64		26.020	199.7	.334
150									150	9.05	33.77		26.169	185.5	.383
200									200	8.21	33.99		26.471	156.8	.470
250									250	7.53	33.98		26.563	148.1	.548
300									300	6.86	34.03		26.696	135.5	.621
400									400	5.71	34.07		26.877	118.4	.753
500									500	5.17	34.20		27.044	102.5	.869

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

77100

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 24.0N		124 20.0W		02/17/69		0615 GMT			4688M	180	15KT		270 05		
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	DT	SIGT	DT	DD
									0	12.85	32.81		24.750	320.5	0
									10	12.83	32.80		24.746	320.8	.032
									20	12.49	32.78		24.796	316.0	.064
									30	12.24	32.75		24.821	313.7	.096
									50	12.01	32.90		24.980	298.5	.157
									75	10.74	33.00		25.288	269.3	.228
									100	10.15	33.31		25.630	235.7	.292
									125	9.03	33.69		26.110	191.1	.346
									150	8.73	33.73		25.188	183.7	.393
									200	8.28	33.99		26.461	157.8	.480
									250	7.36	33.98		26.588	145.8	.558
									300	6.86	34.08		26.736	131.8	.630
									400	6.08	34.10		26.854	120.5	.761
									500	5.51	34.18		26.988	107.8	.881
									600	5.14	34.26		27.095	97.7	.990

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

77120

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 44.0N		125 42.0W		02/16/69		2311 GMT			4574M	150	15KT		270 05		
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	DT	SIGT	DT	DD
									0	13.55	32.87		24.657	329.3	0
									10	13.46	32.88		24.683	325.9	.033
									20	13.43	32.87		24.681	327.0	.066
									30	13.41	32.87		24.685	326.6	.098
									50	13.40	32.87		24.687	326.4	.164
									75	13.42	32.94		24.737	321.7	.245
									100	12.77	32.94		24.962	300.3	.323
									125	10.80	33.03		25.301	268.1	.395
									150	9.78	33.35		25.723	227.9	.458
									200	8.96	33.85		25.262	175.7	.561
									250	8.14	33.95		26.451	158.8	.647
									300	7.50	34.02		26.599	144.7	.725
									400	6.52	34.08		26.781	127.4	.866
									500	5.62	34.14		26.943	112.1	.992
									600	5.23	34.23		27.061	100.9	1.105

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80051

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 26.0N		120 33.0W		02/18/69		1225 GMT			101M	130	09KT				
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	DT	SIGT	DT	DD
									0	13.15A	33.23A		25.007	296.0	0
									10	13.21	33.24		25.011	295.7	.030
									20	13.18	33.32		25.078	289.2	.059
									30	13.00	33.34		25.129	284.3	.088
									50	12.46	33.43		25.304	267.7	.143
									75	11.01	33.66		25.752	225.1	.205

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80052

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.5N		120 36.5W		02/18/69		0928 GMT			308M	100	20KT	2			
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	DT	SIGT	DT	DD
									0	13.37	33.21		24.955	300.9	0
									10	13.35	33.22		24.967	299.8	.030
									20	13.23	33.31		25.061	290.9	.060
									30	12.88	33.38		25.184	279.2	.088
									50	12.63	33.45		25.287	269.4	.143
									75	10.82	33.69		25.809	219.7	.205
									100	10.45	33.73		25.898	211.2	.259
									125	9.84	33.86		26.110	191.1	.310
									150	9.55	33.95		26.229	179.9	.357
									200	9.12	34.06		26.384	165.1	.445
									250	8.79	34.12		26.484	155.6	.527
									300	8.34	34.17		26.592	145.3	.605

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80052

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 24.5N		120 36.5W		02/18/69		1005 GMT			308M	100	20KT	2			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.27	33.255	6.36	.34	2.	.03	.0	295.7	0	13.27		6.36			
9	13.29	33.248	6.38	.30	2.	.02	.0	296.6	10	13.27		6.33			
29	12.81		4.98	.70	8.	.24	5.3		20	13.05		5.69			
44	12.66		4.36	.84	10.	.28	6.6		30	12.80		4.93			
54	11.55	33.582	4.21	1.15	16.	.14	13.8	240.2	50	12.01		4.26			
69	11.05		4.00	1.69	19.	.15	17.4		75	10.96		3.87			
84	10.85		3.68	1.63	21.	.05	20.2		100	10.57		3.45			
104	10.49		3.39	1.77	24.	.46	19.9		125	9.93		2.97			
129	9.83		2.89	1.85	31.	.03	24.1		150	9.48		2.56			
149	9.49		2.57	2.27	36.	.03	28.1		200	9.13		2.20			
184	9.30		2.41	2.25	39.	.03	29.9		250	8.74		1.74			
214	8.97	34.095	2.01	2.75	45.	.03	31.5	160.2							
254	8.73	34.117	1.72	2.81	52.	.03	32.2	155.0							

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 19.0N		120 46.0W		02/18/69		0604 GMT			741M	C40	08KT	6			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.84	33.07		24.953	301.2	0
10									10	12.81	33.25		25.097	287.4	.029
20									20	12.65	33.29		25.160	281.5	.058
30									30	12.67	33.33		25.187	278.9	.086
40									40	12.11	33.40		25.348	263.5	.140
50									50	10.69	33.61		25.770	223.4	.202
60									60	9.92	33.84		26.081	193.8	.254
70									70	9.66	33.91		26.179	184.5	.302
80									80	9.35	33.97		26.271	175.9	.348
90									90	8.95	34.06		26.412	162.5	.434
100									100	8.31	34.13		26.566	147.9	.514
110									110	7.87	34.18		26.671	137.9	.588
120									120	7.13	34.26		26.840	121.9	.723
130									130	6.53	34.30		26.953	111.1	.846

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 19.0N		120 48.0W		02/18/69		0711 GMT			741M	040	08KT	6			
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.85	33.140	6.17	.52	0.	.05	1.0	296.2	0	12.85		6.17			
9	12.85	33.236	6.39	.56	0.	.04	1.1	299.2	10	12.84		6.39			
27	12.62		6.30	.54	1.	.12	2.2		20	12.70		6.34			
37	12.67		6.29	.40	1.	.13	1.8		30	12.64		6.30			
46	12.55		5.88	.60	1.	.13	3.0		40	12.38		5.66			
61	11.74	33.451	5.12	.92	6.	.09	10.6	253.2	50	10.82		4.83			
75	10.82		4.83	1.05	14.	.00	13.6		60	10.03		3.27			
94	10.19		3.34	1.31	25.	.00	17.7		70	9.65		2.93			
118	9.70		3.04	1.69	32.	.00	23.8		80	9.39		2.67			
137	9.58		2.75	2.01	34.	.01	28.7		90	8.87		2.32			
165	9.16		2.60	2.13	37.	.00	30.7		100	8.37		1.93			
193	8.91		2.34	2.21	42.	.00	30.7		110	7.91		1.45			
221	8.74		2.26	2.25	44.	.01	31.9		120	7.17		.89			
258	8.26		1.83	2.55	54.	.01	35.5		130	6.64		.62			
314	7.82		1.35	2.79		.01	37.9								
386	7.22	34.244	.94	2.99		.00	40.3	124.3							
459	6.95	34.264	.72	3.08		.00	40.5	119.2							
539	6.25		.53	3.22		.00	41.4								

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 09.5N		121 09.0W		02/18/69		0217 GMT			2130M	180	17KT	6	220 07 08		
Z	T	S	O2	PO4	SIO3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	12.81	33.21		25.067	290.3	0
10									10	12.79	33.23		25.086	288.5	.029
20									20	12.67	33.25		25.125	284.8	.058
30									30	12.59	33.27		25.156	281.8	.086
40									40	12.42	33.31		25.219	275.8	.142
50									50	11.17	33.44		25.553	244.1	.207
60									60	10.16	33.58		25.838	216.9	.265
70									70	9.58	33.73		26.052	196.6	.318
80									80	9.21	33.85		26.206	182.0	.366
90									90	8.10	33.97		26.472	156.7	.452
100									100	7.54	34.03		26.601	144.5	.529
110									110	7.23	34.10		26.700	135.1	.601
120									120	6.64	34.19		26.852	120.7	.734
130									130	6.06	34.25		26.975	109.1	.856

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

80060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTCM		WIND SPEED		WEATHER		DOMINANT WAVES	
34 09.5N		121 09.0W		02/18/69		0306 GMT				2130M		180 17KT		6		220 07 08	
Z	T	S	OZ	PC4	SIO3	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD		
0	12.84	33.227	6.36	.50	3.	.04	.1	289.6	0	12.84		6.36					
9	12.84	33.229	6.35	.38	3.	.03	.3	289.5	10	12.83		6.34					
29	12.55		6.04	.52	5.	.14	2.1		70	12.69		6.19					
39	12.48	33.273	5.98	.56	5.	.17	2.8	279.6	30	12.54		6.03					
49	12.46		5.93	.42	5.	.04	1.2		50	12.42		5.88					
64	11.65		4.98	1.05	10.	.03	11.3		75	11.08		4.50					
78	10.94		4.40	1.19	15.	.01	16.1		100	10.21		4.11					
99	10.24		4.14	.640	18.	.00	8.20		125	9.53		3.40					
122	9.58		3.44	1.53	27.	.04	22.3		150	9.11		3.26					
142	9.27		3.26	2.09	30.	.10	27.9		200	8.11		2.63					
172	8.64		3.25	2.13	36.	.07	24.5		250	7.74		2.33					
201	8.09		2.61	1.370	41.	.02	21.50		300	7.37		1.19					
231	7.82		2.84	2.03	44.	.02	32.0		400	6.81		.77					
271	7.66		1.56	2.49	57.	.06	35.2		500	6.26		.46					
331	7.05		1.05	2.75		.01	38.3										
405	6.80	34.203	.76	3.02		.01	39.3	121.8									
479	6.39	34.251	.49	2.750		.03	36.90	113.0									
560	5.88		.39	3.60		.01	42.6										

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

80065

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTCM		WIND SPEED		WEATHER		DOMINANT WAVES	
33 59.5N		121 25.5W		02/17/69		2335 GMT				3348M		180 13KT		5		220 08 10	
Z	T	S	OZ	PC4	SIO3	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD		
									0	13.18	32.55		24.824	313.4	0		
									10	13.16	32.59		24.828	313.1	.031		
									20	13.01	32.98		24.850	311.0	.063		
									30	12.94	32.98		24.864	309.7	.094		
									50	12.71	33.17		25.055	291.4	.154		
									75	12.35	33.25		25.186	278.9	.226		
									100	10.66	33.30		25.535	245.8	.292		
									125	9.55	33.57		25.926	208.6	.349		
									150	9.10	33.77		26.161	186.3	.399		
									200	8.18	33.97		26.460	157.9	.487		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

80068

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTCM		WIND SPEED		WEATHER		DOMINANT WAVES	
33 50.0N		121 41.0W		02/17/69		1933 GMT				3554M		180 12KT		1		220 06 08	
Z	T	S	OZ	PC4	SIO3	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD		
									0	13.58	32.98		24.736	321.8	0		
									10	13.54	32.98		24.744	321.1	.032		
									20	13.37	32.96		24.763	319.3	.064		
									30	13.15	32.92		24.776	318.0	.096		
									50	12.93	32.93		24.827	313.1	.159		
									75	11.88	33.22		25.252	272.7	.233		
									100	10.35	33.39		25.658	234.1	.297		
									125	9.35	33.57		25.965	204.9	.352		
									150	8.95	33.75		26.170	185.5	.402		
									200	8.16	33.96		26.455	158.3	.489		
									250	7.51	34.01		26.590	145.6	.567		
									300	6.84	34.03		26.699	135.2	.639		
									400	5.81	34.07		26.864	119.5	.772		
									500	5.30	34.18		27.013	105.4	.890		

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

80068

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				BOTTCM		WIND SPEED		WEATHER		DOMINANT WAVES	
33 50.0N		121 41.0W		02/17/69		2022 GMT				3554M		180 12KT		1		220 06 08	
Z	T	S	OZ	PC4	SIO3	NO2	NO3	DT	Z	T	S	OZ	SIGT	DT	DD		
0	13.58	32.963	6.10	.50	2.	.01	.0	323.1	0	13.58		6.10					
10	13.50	32.961	6.12	.32	2.	.02	.0	321.7	10	13.50		6.12					
29	13.14		6.21	.32	2.	.02	.0		20	13.31		6.18					
39	13.04		6.18	.36	2.	.02	.0		30	13.13		6.21					
48	12.94		6.17	.36	2.	.02	.0		50	12.86		6.15					
62	12.76	33.110	6.02	.48	4.	.11	2.1	287.6	75	11.61		5.85					
77	11.51		5.82	.60	6.	.03	5.1		100	10.49		5.12					
96	10.69		5.22	.92	11.	.00	12.1		125	9.48		4.41					
120	9.60		4.61	1.37	18.	.00	20.2		150	8.96		3.84					
139	9.21		3.91	1.67	25.	.01	25.2		200	8.18		3.35					
167	8.60		3.74	1.81	33.	.02	28.9		250	7.58		2.79					
195	8.25		3.42	1.97	38.	.01	30.3		300	6.97		2.33					
223	7.89		3.06	2.05	45.	.02	32.3		400	5.77		1.40					
261	7.45		2.69	2.25	56.	.01	35.0		500	5.28		.59					
317	6.75			2.51		.01	38.1										
388	5.86	34.047	1.53	2.81		.02	42.4	121.9									
461	5.46	34.131	.80	3.04		.00	44.0	110.9									
541	5.12		.51	3.32		.01	44.9										



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 29.0N		122 32.0W		C2/17/69	1133	GMT				3974M	170	14KT				
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	14.62	33.12		24.627	332.1	0	
									10	14.63	33.13		24.633	331.6	.033	
									20	14.64	33.13		24.631	331.8	.066	
									30	14.62	33.13		24.635	331.4	.100	
									50	14.56	33.12		24.640	330.9	.166	
									75	14.46	33.10		24.646	330.4	.249	
									100	13.27	32.97		24.790	316.6	.331	
									125	11.83	33.16		25.215	276.2	.405	
									150	11.03	33.37		25.524	246.9	.472	
									200	9.25	33.70		26.083	193.7	.583	
									250	8.41	33.95		26.410	162.7	.675	
									300	7.63	34.01		26.573	147.2	.754	
									400	6.31	34.08		26.809	124.8	.896	
									500	5.59	34.18		26.978	108.8	1.018	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 29.0N		122 32.0W		O2/17/69	1232	GMT				3974M	170	14KT				
Z	T	S	O2	PC4	SI03	NU2	NU3	DT	Z	T	S	O2	SIGT	DT	DD	
0	14.65	33.121	5.90	.92U	1.	.01	.0	332.7	0	14.65		5.90				
8	14.66	33.109	5.90	.36	1.	.01	.0	333.8	10	14.66		5.90				
35	14.59		5.90	.34	1.	.01	.0		20	14.64		5.90				
57	14.50		5.90	.28	1.	.01	.0		30	14.61		5.90				
74	14.48	33.087	5.90	.34	1.	.02	.0	331.7	50	14.53		5.90				
88	13.51		5.99	.46	2.	.02	.0		75	14.42		5.91				
101	13.04		6.00	.44	2.	.05	.0		100	13.07		6.00				
119	12.26		5.94	.52	6.	.08	.0		125	11.91		5.91				
137	11.24		5.52	.70	6.	.04	5.7		150	10.75		5.31				
160	10.43		5.16	.86	10.	.04	11.1		200	9.21		4.14				
183	9.53		4.71	1.33	17.	.04	18.5		250	8.40		3.37				
206	9.13		3.94	1.61	26.	.05	24.3		300	7.54		2.78				
233	8.64		3.45	1.95	35.	.05	28.6		400	6.34		1.55				
266	8.17		3.31	2.01	41.	.04	30.3		500	5.59		.65				
312	7.32		2.56	2.51		.04	35.0									
372	6.59	34.059	1.88	2.61		.03	38.6	129.9								
443	6.01	34.109	1.09	2.59		.04	38.4	119.0								
518	5.46		.55													

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 11.0N		123 09.5W		C2/17/69	0425	GMT				4117M	270	14KT	1			
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	14.73	33.11		24.556	335.1	0	
									10	14.60	33.11		24.624	332.5	.033	
									20	14.58	33.11		24.628	332.1	.067	
									30	14.57	33.11		24.630	331.9	.100	
									50	14.56	33.11		24.632	331.7	.166	
									75	14.55	33.11		24.635	331.5	.250	
									100	13.22	33.10		24.901	306.1	.330	
									125	12.01	33.17		25.189	278.7	.404	
									150	10.01	33.28		25.630	236.7	.469	
									200	8.97	33.78		26.190	183.6	.576	
									250	8.20	34.00		26.481	155.9	.663	
									300	7.45	34.03		26.614	143.3	.740	
									400	6.41	34.10		26.811	124.6	.879	
									500	5.65	34.19		26.979	108.7	1.001	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

80090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 11.0N		123 09.5W		02/17/69	0527 GMT					4117M	270	10KT	1	190		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	14.66	33.10R	5.80	.04	2.	.02	.0	333.8	0	14.66		5.80				
9	14.61	33.101	5.87	.06	2.	.02	.0	333.3	10	14.61		5.87				
47	14.57		5.87	.07	2.	.02	.0		20	14.60		5.87				
83	14.48		5.88	.09	2.	.03	.0		30	14.59		5.87				
103	12.42		5.96	.15	4.	.02	1.6		50	14.56		5.87				
117	12.20		5.96	.22	4.	.04	2.1		75	14.50		5.88				
136	10.65	33.132	5.69	.29	7.	.05	6.3	258.0	100	12.71		5.95				
155	9.87		5.01	.34	14.	.03	3.1U		125	11.59		5.89				
175	9.45		4.47	.57	20.	.03	15.5		150	10.02		5.20				
203	8.83		3.84	.98	30.	.02	26.5		200	8.89		3.90				
232	8.50		3.50	.90U	36.	.02	22.4U		250	8.16		3.42				
256	8.04		3.40	.86U	42.	.01	20.7U		300	7.39		2.89				
289	7.56		3.04	1.38		.00	32.4		400	6.26		1.29				
333	6.92		2.36	1.78		.02	35.5		500	5.57		.74				
385	6.39		1.42	1.99		.02	38.6		600	5.02		.43				
466	5.79	34.146	.95	2.43		.18	40.0	113.6								
553	5.26	34.19F	.49	2.77		.03	41.6	103.7								
526	4.90		.40	2.53U		2.00U	35.0U									

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

82047

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 15.0N		119 59.0W		02/15/69	2028 GMT					574M	090	05KT	1	060 08 06		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	13.21	33.30							0	13.21	33.30		25.057	291.3	0	
10	13.21	33.30							10	13.21	33.30		25.057	291.3	.029	
20	13.20	33.32							20	13.20	33.32		25.074	289.6	.058	
30	12.80	33.35							30	12.80	33.35		25.177	279.9	.087	
50	11.69	33.54							50	11.69	33.54		25.535	245.7	.140	
75	10.55	33.66							75	10.55	33.66		25.827	218.1	.198	
100	10.07	33.81							100	10.07	33.81		26.033	198.5	.250	
125	9.77	33.89							125	9.77	33.89		26.146	187.8	.299	
150	9.51	33.96							150	9.51	33.96		26.243	178.5	.346	
200	9.06	34.08							200	9.06	34.08		26.410	162.7	.433	
250	8.57	34.15							250	8.57	34.15		26.542	150.2	.513	
300	8.13	34.17							300	8.13	34.17		26.624	142.3	.589	
400	7.23	34.19							400	7.23	34.19		26.771	128.4	.730	
500	6.55	34.25							500	6.55	34.25		26.911	115.1	.858	

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

82047

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 15.0N		119 59.0W		02/15/69	2129 GMT					574M	090	05KT	1	060 08 06		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	13.34	33.303	6.39	.44	2.	.00	.4	293.5	0	13.34		6.39				
9	13.25	33.304	6.42	.40	2.	.00	.3	291.7	10	13.24		6.40				
29	13.10		5.94						20	13.17		6.16				
43	12.32	33.484	4.84	.60	11.	.22	6.7	261.2	30	13.05		5.85				
53	11.85		4.50	1.03	14.	.00	8.9		50	11.99		4.58				
68	11.02		4.04	1.27	19.	.01	13.1		75	10.75		3.73				
83	10.52		3.40	1.31	24.	.00	13.1		100	10.18		3.09				
99	10.20		3.11	1.47	28.	.02	13.1		125	9.82		2.77				
124	9.83		2.78	1.41	32.	.01	13.8		150	9.51		2.50				
143	9.58		2.56	1.95	36.	.03	19.2		200	9.00		1.97				
173	9.28		2.29	1.69U	41.	.03	16.0U		250	8.50		1.32				
203	8.97		1.93	2.15	49.	.04	19.3		300	8.07		.88				
233	8.67		1.51	1.95U	57.	.02	17.2U		400	7.20		.89				
272	8.29		1.12	2.55		.04	21.5		500	6.60		.19				
331	7.83		.72	2.93		.05	23.1									
385	7.33		.92			.03	23.3									
443	6.88	34.216	.67			.01	22.8	121.9								
501	6.60	34.251	.18			.02	16.8	115.7								

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

83043

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME					BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 07.5N		119 33.5W		02/15/69	1605 GMT					246M	130	20KT	6	130 04 10		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	12.85	33.42							0	12.85	33.42		25.213	276.4	0	
10	12.90	33.42							10	12.90	33.42		25.211	276.6	.028	
20	12.86	33.43							20	12.86	33.43		25.227	275.1	.055	
30	12.67	33.45							30	12.67	33.45		25.279	270.1	.083	
50	11.74	33.53							50	11.74	33.53		25.518	247.4	.135	
75	11.14	33.62							75	11.14	33.62		25.69R	230.3	.195	
100	10.43	33.75							100	10.43	33.75		25.924	208.8	.250	
175	10.17	33.84							175	10.17	33.84		26.039	197.9	.301	
15	9.28	34.03							15	9.28	34.03		26.335	169.7	.348	
200	8.57	34.16							200	8.57	34.16		26.549	149.4	.429	



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

83043

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
34 07.5N		119 33.5W		02/15/69		1639 GMT			246M	130	20KT	6	130 04 10		
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.89	33.417	6.13	.46	4.	.02	.1	276.6	0	12.89		6.13			
9	12.90	33.421	6.13	.58	4.	.05	1.0	276.5	10	12.89		6.11			
28	12.50		5.52	.68	8.	.13	5.8		20	12.73		5.85			
43	11.83		4.80	.92	13.	.21	10.9		30	12.41		5.42			
52	11.57		4.56	1.03	15.	.02	12.7		50	11.62		4.60			
66	11.43		4.38	1.17	16.	.17	14.5		75	11.21		4.09			
81	11.03	33.649	3.88	1.31	20.	.04	16.2	226.3	100	10.50		3.34			
101	10.48		3.32		25.	.00			125	10.16		3.06			
126	10.14		3.05		29.	.00			150	9.00		2.16			
146	9.06		2.25		43.	.06			200	8.57		1.83			
177	8.60	34.159	1.86		52.	.00		149.9							
201	8.57	34.163	1.83		53.	.00		143.2							

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

83051

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 51.5N		120 08.0W		02/16/69		0222 GMT			168M	270	12KT	1	240 07 09		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.73	33.36							0	12.73	33.36		25.198	277.8	0
10	12.59	33.39							10	12.59	33.39		25.248	273.0	.028
20	12.52	33.43							20	12.52	33.43		25.293	268.8	.055
30	12.10	33.43							30	12.10	33.43		25.373	261.2	.081
50	11.17	33.50							50	11.17	33.50		25.599	239.7	.132
75	9.51	33.91							75	9.51	33.91		26.204	182.2	.185
100	9.07	34.02							100	9.07	34.02		26.361	167.3	.229
125	8.65	34.09							125	8.65	34.09		26.482	155.8	.270
150	8.62	34.10							150	8.62	34.10		26.495	154.6	.309

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

83051

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 51.5N		120 08.0W		02/16/69		0253 GMT			168M	270	12KT	1	240 07 09		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.80	33.378	6.13	.60	6.	.12	3.2	277.8	0	12.80		6.13			
9	12.58	33.401	8.36	.54	5.	.21	3.5	272.0	10	12.56		8.30			
28	11.97		5.23	.86	10.	.13	9.0		20	12.30		7.04			
38	11.27		4.63	1.19	15.	.10	14.5		30	11.84		5.08			
53	10.34	33.725	3.74	1.61	24.	.05	21.5	209.1	50	10.51		3.92			
67	9.66		2.96	1.91	32.	.06	26.8		75	9.52		2.93			
81	9.46		2.91	1.99	35.	.05	27.6		100	9.18		2.52			
99	9.19		2.53	2.09	39.	.03	29.4		125	8.81		2.23			
120	8.90	34.078	2.30	2.23	44.	.05	30.8	160.4							
137	8.55	34.118	2.02	2.43	50.	.02	32.0	152.2							

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

83055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 44.0N		120 24.5W		02/16/69		0527 GMT			1110M	310	11KT	1	300		
Z	T	S	O2	PC4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.16	33.39							0	13.16	33.39		25.136	283.7	0
10	13.16	33.39							10	13.16	33.39		25.136	283.7	.028
20	13.05	33.39							20	13.05	33.39		25.158	281.6	.057
30	13.01	33.39							30	13.01	33.39		25.166	280.9	.085
50	13.00	33.40							50	13.00	33.40		25.176	279.9	.141
75	10.86	33.53							75	10.86	33.53		25.678	232.2	.206
100	10.05	33.69							100	10.05	33.69		25.943	207.0	.261
125	9.68	33.89							125	9.68	33.89		26.160	186.3	.311
150	9.25	34.01							150	9.25	34.01		26.325	170.8	.356
200	8.70	34.11							200	8.70	34.11		26.490	155.1	.439
250	8.29	34.18							250	8.29	34.18		26.608	143.9	.516
300	7.61	34.24							300	7.61	34.24		26.756	129.8	.587
400	7.02	34.27							400	7.02	34.27		26.863	119.7	.717
500	6.39	34.30							500	6.39	34.30		26.971	109.4	.838

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

83C60

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 44.0N		120 45.0W		02/16/69		0826 GMT			1258M	330	09KT	1			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	CD
0										13.05	33.33		25.112	286.0	0
10										13.05	33.33		25.112	286.0	.029
20										12.97	33.33		25.128	284.5	.057
30										12.93	33.34		25.143	283.0	.086
50										12.76	33.35		25.180	279.5	.142
75										10.45	33.51		25.727	227.5	.206
100										9.93	33.62		25.909	210.3	.261
125										9.53	33.74		26.068	195.1	.312
150										9.12	33.89		26.252	177.7	.359
200										8.43	34.05		26.485	155.5	.444
250										7.97	34.16		26.640	140.8	.520
300										7.35	34.19		26.748	130.6	.591
400										6.65	34.27		26.908	115.4	.719
500										5.82	34.33		27.068	100.2	.833

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

83C70

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 13.5N		121 26.0W		02/16/69		1340 GMT			3738M	330	10KT	1			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	CD
0										13.97A	33.01A		24.679	327.2	0
10										13.98	33.01		24.677	327.4	.033
20										13.95	33.01		24.675	327.6	.066
30										14.01	33.02		24.678	327.3	.098
50										14.02	33.03		24.684	326.7	.164
75										13.93	33.01		24.687	326.4	.246
100										12.34	33.09		25.065	290.5	.324
125										11.07	33.31		25.470	252.0	.392
150										9.51	33.45		25.846	216.2	.451
200										8.65	33.83		26.273	175.7	.551
250										8.00	34.00		26.511	153.1	.635
300										7.71	34.12		26.647	140.1	.711
400										6.75	34.21		26.853	120.6	.847
500										6.27	34.30		26.987	107.9	.967

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

83080

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 55.5N		122 06.5W		02/16/69		1843 GMT			4165M	330	04KT	1	29C 10 08		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	CD
0										13.46	32.98		24.760	319.5	0
10										13.40	32.99		24.780	317.6	.032
20										13.30	32.98		24.792	316.5	.064
30										13.28	33.01		24.819	313.9	.095
50										13.23	33.02		24.837	312.2	.158
75										13.01	33.09		24.935	302.9	.235
100										11.92	33.12		25.167	280.7	.309
125										10.65	33.26		25.498	249.3	.376
150										9.45	33.47		25.864	214.5	.434
200										8.64	33.84		26.288	174.2	.533
250										8.04	33.99		26.497	154.4	.617
300										7.68	34.10		26.636	141.2	.693
400										6.94	34.24		26.850	120.9	.830
500										6.27	34.28		26.971	109.4	.952

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

83C90

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 34.0N		122 48.0W		02/16/69		2327 GMT			4270M	320	03KT	1	24C 12 08		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	CD
0										13.71	32.99		24.717	323.6	0
10										13.58	32.99		24.743	321.1	.032
20										13.18	33.01		24.839	312.0	.064
30										13.07	33.04		24.884	307.7	.095
50										13.05	33.12		24.942	302.2	.156
75										13.00	33.27		25.075	289.5	.231
100										11.44	33.28		25.380	260.5	.300
125										10.60	33.53		25.724	227.8	.361
150										9.21	33.63		26.035	198.3	.415
200										8.85	33.93		26.326	170.6	.509
250										8.32	34.08		26.525	151.7	.592
300										7.70	34.12		26.649	140.0	.667
400										6.58	34.15		26.828	123.0	.804
500										5.67	34.21		26.992	107.4	.925

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

87035

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
33 50.0N		118 37.5W		C2/13/69		0240 GMT		482M		250		05KT		1			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			8.20	.51	6.	.C3	.3		0	14.05	33.31		24.893	306.8	0		
10			8.14	.45	6.	.C3	.9		10	13.85	33.33		24.950	301.4	.030		
50			5.59	1.05		.C3	9.3		20	13.64	33.35		25.009	295.9	.060		
80			4.41	1.30	20.	.C1	13.6		30	13.15	33.38		25.131	284.2	.089		
110			3.82	1.53	22.	.C1	18.0		50	12.33	33.43		25.329	265.3	.145		
150			3.28	1.81	31.	.C2	23.4		75	11.14	33.57		25.659	234.0	.207		
200			2.57	1.98	38.	.C1	25.4		100	10.60	33.74		25.887	212.3	.264		
250			2.20	2.07	40.	.C0	28.0		125	10.04	33.90		26.108	191.3	.315		
300			1.78	2.24	45.	.C0	29.2		150	9.76	33.96		26.202	182.4	.362		
400			1.05	1.95L	42.L	.C0	24.7L		200	9.29	34.15		26.427	161.0	.450		
									250	8.75	34.17		26.529	151.3	.530		
									300	8.33	34.19		26.610	143.7	.606		
									400	7.57	34.25		26.769	128.5	.748		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

87040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
33 40.0N		118 58.0W		C2/14/69		0448 GMT		833M		100		02KT		1		270 05 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			7.75	.23	2.	.C7	.2		0	14.19	33.43		24.956	300.8	0		
10			8.18	.25	1.	.C1	.3		10	13.87	33.43		25.023	294.5	.030		
40			7.48	.42	4.	.17	1.3		20	13.24	33.41		25.136	283.8	.059		
60			7.19	.57	6.	.22	3.7		30	13.07	33.44		25.193	278.3	.087		
80			5.43	1.16	15.	.C5	12.7		50	12.93	33.43		25.213	276.4	.143		
110			4.70	1.42	21.	.C1	16.8		75	12.02	33.47		25.419	256.8	.210		
150			3.70	1.44	22.	.C5	17.4		100	10.65	33.61		25.770	223.4	.270		
200			3.34	1.75	30.	.C9	21.4		125	10.27	33.70		25.913	209.8	.325		
250			2.56	2.07	41.	.C5	28.5		150	10.05	33.88		26.091	193.0	.376		
300			1.97	2.18	48.	.C1	31.3		200	9.51	34.03		26.298	173.3	.469		
400			1.39	1.87L	39.L	.C7	24.8L		250	8.80	34.12		26.482	155.8	.554		
500			.67	2.45	72.	.C1	37.7		300	8.37	34.20		26.611	143.5	.631		
									400	7.43	34.25		26.790	126.6	.772		
									500	6.58	34.29		26.938	112.5	.899		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

87045

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
33 30.0N		119 16.0W		C2/14/69		0740 GMT		1701M		280		02KT					
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			6.36	.25	2.	.C4	.3		0	14.05	33.50		25.040	292.9	0		
10			6.52	.25	2.	.C0	.3		10	14.05	33.50		25.040	292.9	.029		
30				.40	3.	.11	.8		20	14.05	33.50		25.040	292.9	.059		
50			5.70	.62	5.	.19	3.4		30	14.04	33.50		25.042	292.7	.088		
80			4.80	1.13	13.	.11	11.8		50	13.21	33.44		25.165	281.0	.146		
110			3.76	1.53	23.	.18	15.0		75	12.02	33.46		25.412	257.5	.213		
150			2.80	1.87	31.	.C3	22.8		100	10.63	33.59		25.765	223.9	.274		
200			2.69	1.90	34.	.C3	24.6		125	10.05	33.77		26.005	201.1	.328		
250			1.95	2.05	44.	.13	29.3		150	9.84	33.95		26.181	184.4	.377		
300			1.58	2.18	50.	.C6	31.1		200	9.24	34.08		26.381	165.4	.466		
400			1.08	2.32	58.	.11	33.4		250	8.71	34.14		26.512	153.0	.547		
500			.53	2.52	75.	.C8	37.9		300	8.10	34.19		26.644	140.4	.623		
									400	7.43	34.25		26.790	126.6	.763		
									500	6.56	34.29		26.941	112.3	.889		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

87050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
33 20.0N		119 35.5W		C2/14/69		1050 GMT		73M		300		12KT					
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	12.79	33.38		25.202	277.5	0		
									10	12.75	33.38		25.202	277.5	.028		
									20	12.80	33.38		25.200	277.7	.056		
									30	12.80	33.38		25.200	277.7	.083		
									50	12.63	33.40		25.248	273.0	.139		

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 87060

LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BOTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
33 00.0N			120 21.5W			C2/16/69			C93C GMT			650M			300			02KT			0			300 08		
Z	T	S	C2	PC4	SIC3	AC2	AC3	DT	Z	T	S	O2	SIGT	DT	DD											
									C	14.14	33.52		25.036	293.2	0											
									10	14.14	33.52		25.036	293.2	.029											
									20	14.14	33.52		25.036	293.2	.059											
									40	14.03	33.50		25.044	292.5	.088											
									50	13.81	33.48		25.074	289.6	.146											
									75	11.71	33.34		25.377	260.8	.216											
									100	10.40	33.51		25.743	226.0	.277											
									125	9.75	33.63		25.946	206.7	.332											
									150	9.03	33.88		26.258	177.0	.380											
									200	8.53	34.00		26.430	160.7	.466											
									250	8.02	34.06		26.555	148.9	.546											
									300	7.45	34.14		26.655	135.6	.619											
									400	6.87	34.24		26.860	120.0	.752											
									500	6.30	34.28		26.967	109.8	.874											

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 87070

LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BOTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
32 39.5N			121 02.0W			C2/16/69			C93C GMT			3642M			290			02KT			1			300 08		
Z	T	S	C2	PC4	SIC3	AC2	AC3	DT	Z	T	S	O2	SIGT	DT	DD											
									C	13.0E	33.19		24.998	296.9	0											
									10	13.07	33.19		25.000	296.7	.030											
									20	12.86	33.20		25.049	292.0	.059											
									30	12.81	33.21		25.067	290.3	.088											
									50	12.83	33.22		25.070	290.0	.147											
									75	11.05	33.21		25.396	259.0	.216											
									100	9.71	33.36		25.743	226.0	.277											
									125	9.21	33.57		25.988	202.7	.331											
									150	8.76	33.76		26.207	181.9	.379											
									200	8.00	33.95		26.471	156.8	.466											
									250	7.72	34.06		26.599	144.7	.543											
									300	7.15	34.10		26.711	134.1	.615											
									400	6.75	34.21		26.847	121.2	.748											
									500	5.93	34.24		26.983	108.3	.869											

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 87080

LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BOTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
32 20.0N			121 42.0W			C2/16/69			C114 GMT			4117M			280			10KT			1			310 08		
Z	T	S	C2	PC4	SIC3	AC2	AC3	DT	Z	T	S	O2	SIGT	DT	DD											
									C	13.95	33.33		24.929	303.4	0											
									10	13.77	33.30		24.943	302.1	.030											
									20	13.57	33.29		24.977	298.9	.060											
									30	13.55	33.31		24.996	297.0	.090											
									50	13.53	33.31		25.000	296.7	.150											
									75	11.81	33.33		25.350	263.3	.220											
									100	10.21	33.51		25.776	222.9	.281											
									125	9.74	33.82		26.096	192.5	.334											
									150	9.48	33.90		26.201	182.5	.381											
									200	8.58	34.06		26.470	157.0	.468											
									250	7.94	34.09		26.590	145.6	.546											
									300	7.26	34.13		26.719	133.3	.618											
									400	6.66	34.27		26.912	115.0	.747											
									500	5.91	34.28		27.017	105.0	.863											

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 87090

LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BOTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
31 59.0N			122 24.0W			C2/15/69			C112 GMT			4404M			260			06KT			0			260 08		
Z	T	S	C2	PC4	SIC3	AC2	AC3	DT	Z	T	S	O2	SIGT	DT	DD											
									0	13.35	33.12		24.882	307.9	0											
									10	13.22	33.18		24.960	300.4	.030											
									20	13.23	33.25		25.014	295.3	.060											
									30	13.36	33.36		25.073	289.7	.090											
									50	13.36	33.38		25.088	288.3	.148											
									75	11.14	33.37		25.504	248.7	.215											
									100	10.15	33.58		25.833	217.4	.274											
									125	9.22	33.69		26.080	194.0	.326											
									150	8.96	33.85		26.246	178.2	.373											
									200	8.25	33.97		26.444	159.5	.459											
									250	7.55	34.00		26.576	146.9	.537											
									300	6.85	34.06		26.716	133.6	.610											
									400	5.97	34.12		26.884	117.7	.740											
									500	5.56	34.22		27.013	105.4	.857											



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90028

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 28.5N		117 46.5W		C2/17/69		C746 GMT		223M			2	280 01			
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.18	.23	1.	.CO	.0		0	14.46	33.29		24.792	316.5	0
30			6.10	.31	1.	.CO	.1		10	14.31	33.35		24.870	309.1	.031
50			5.88	.37	3.	.C2	.1		20	14.38	33.41		24.901	306.1	.062
80			4.39	1.10	13.	.13	10.5		30	14.16	33.40		24.940	302.4	.093
110			3.37	1.56	22.	.C5	17.0		50	13.26	33.41		25.132	284.1	.151
150			2.69	1.70	27.	.C6	19.9		75	11.13	33.63		25.707	229.4	.216
200			2.36	1.30	36.	.C1	12.50		100	10.56	33.80		25.941	207.2	.271
									125	10.11	33.91		26.104	191.7	.322
									150	9.80	34.00		26.226	180.1	.369
									200	9.32	34.09		26.376	165.9	.457

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90032

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 20.5N		118 03.0W		C2/17/69		C551 GMT		768M	300	04KT	2	300 03			
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.11	.31	1.	.CO	.0		0	14.75	33.52		24.907	305.5	0
10			6.10	.28	1.	.CO	.0		10	14.61	33.51		24.929	303.4	.030
40			6.12	.28	1.	.CO	.0		20	14.52	33.51		24.948	301.6	.061
60			5.85	.34	3.	.C7	.1		30	14.48	33.52		24.965	300.0	.091
80			4.92	.56	10.	.C1	8.1		50	14.24	33.51		25.008	295.9	.151
110			3.51	1.58	23.	.CO	17.6		75	13.20	33.43		25.159	281.5	.223
150			3.04	1.78	32.	.CO	22.0		100	11.40	33.56		25.604	239.2	.289
200			2.48	1.95	39.	.CO	24.9		125	10.42	33.75		25.926	208.6	.346
250			1.84	2.12	46.	.CO	27.8		150	9.76	33.86		26.124	189.8	.396
300			1.41	2.21	53.	.CO	29.8		200	9.30	34.07		26.363	167.1	.487
400			.87	2.38	67.	.CO	34.1		250	8.92	34.18		26.510	153.1	.569
500			.54	2.55	80.	.CO	37.3		300	8.42	34.23		26.627	142.0	.646
									400	7.22	34.23		26.804	125.3	.785
									500	6.41	34.28		26.953	111.1	.910

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90037

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 11.0N		118 22.5W		C2/17/69		C146 GMT		1202M	290	10KT	1	310 04 10			
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.18	.25	1.	.CO	.0		0	14.94	33.48		24.835	312.4	0
10			6.00	.28	1.	.CO	.0		10	14.84	33.48		24.857	310.3	.031
30			6.15	.31	1.	.CO	.0		20	14.63	33.51		24.925	303.8	.062
50			5.33	.55	5.	.13	3.8		30	14.57	33.52		24.945	301.9	.092
80			4.29	1.19	12.	.C2	11.9		50	13.77	33.39		25.013	295.5	.152
110			3.64	1.56	20.	.C3	18.0		75	11.84	33.41		25.407	258.0	.222
150			3.41	1.70	26.	.CO	21.4		100	11.15	33.62		25.696	230.5	.283
200			2.62	1.92	34.	.C1	25.3		125	10.40	33.72		25.906	210.5	.339
250			1.89	2.09	40.	.C1	28.8		150	9.66	33.84		26.125	189.7	.390
300			1.41	2.24	48.	.CO	31.8		200	9.21	34.05		26.362	167.2	.481
400			.87	2.41	61.	.CO	34.7		250	8.51	34.13		26.535	150.8	.562
500			.54	2.52	73.	.CO	37.5		300	8.25	34.22		26.645	140.3	.638
									400	7.18	34.22		26.801	125.5	.776
									500	6.40	34.27		26.946	111.8	.902

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90039

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 07.0N		118 30.5W		C2/16/69		C248 GMT		1387M	320	01KT	1	290 05 07			
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.99	.11	1.	.CO	.0		0	15.09	33.50		24.818	314.0	0
10			6.09	.28	1.	.CO	.1		10	14.79	33.48		24.868	309.3	.031
30			6.05	.28	1.	.CO	.1		20	14.56	33.50		24.932	303.1	.062
50			5.52	.48	4.	.C4	2.5		30	14.55	33.50		24.934	302.9	.092
80			4.50	1.16	13.	.C2	11.6		50	14.29	33.47		24.966	299.9	.153
110			3.72	1.47	22.	.C5	17.0		75	12.20	33.39		25.323	265.9	.224
150			2.96	1.53	31.	.CO	17.7		100	10.72	33.60		25.757	224.7	.286
200			2.65	1.52	38.	.CO	25.4		125	10.19	33.76		25.973	204.1	.340
250			2.34	2.01	46.	.C2	28.5		150	9.76	33.94		26.186	183.9	.389
300			1.85	2.09	52.	.C1	31.3		200	9.16	34.05		26.370	166.4	.478
400			.95	2.35	66.	.CO	34.9		250	8.28	34.04		26.500	154.1	.561
500			.47	2.46	77.	.CO	37.8		300	7.88	34.12		26.622	142.5	.637
									400	7.02	34.21		26.816	124.1	.776
									500	6.41	34.28		26.953	111.1	.900

## RV DAVID STARR JORCAN

## CALCCEFI CRUISE 6902

90045

LATITUDE 32 54.5N			LONGITUDE 118 55.5W			MO/DAY/YR 02/16/69		PASSENGER TIME 1904 GMT			BOTTOM 1757M	WIND 320	SPEED 08KT	WEATHER 1	DOMINANT WAVES 32C OR		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			6.38	.31	1.	.00	.0		0	14.05	33.47		25.016	295.1	0		
10			6.44	.25	1.	.00	.0		10	11.92	33.47		25.043	292.5	.029		
30			6.03	.49	4.	.16	1.7		20	13.82	33.47		25.064	290.6	.059		
50			5.10	.93	10.	.10	4.5		30	13.71	33.48		25.094	287.7	.088		
80			4.28	1.36	17.	.06	14.9		50	12.81	33.46		25.299	268.3	.143		
110			3.65	1.64	25.	.02	19.4		75	11.08	33.53		25.639	235.9	.207		
150			3.25	1.78	30.	.00	22.8		100	10.20	33.68		25.909	210.2	.263		
200			2.75	1.92	37.	.01	25.6		125	9.77	33.79		26.068	195.2	.314		
250			2.34	2.07	45.	.01	27.8		150	9.50	33.87		26.175	185.0	.362		
300			1.66	2.21	54.	.01	30.7		200	9.01	34.00		26.355	167.8	.452		
400			.80	2.41	68.	.00	34.5		250	8.65	34.12		26.506	153.6	.535		
500			.54	2.45	78.	.00	37.7		300	7.83	34.17		26.669	138.1	.610		
									400	7.08	34.25		26.839	122.0	.746		
									500	6.35	34.29		26.964	110.1	.868		

## RV ALEXANDER AGASSIZ

## CALCCEFI CRUISE 6902

90045

LATITUDE 32 54.5N			LONGITUDE 118 55.5W			MO/DAY/YR 03/11/69		PASSENGER TIME 1716 GMT			BOTTOM 1664M	WIND 320	SPEED 20KT	WEATHER 1	DOMINANT WAVES 310 06 08		
Z	T	S	O2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	13.45	33.54		25.194	278.2	0		
									10	13.45	33.54		25.194	278.2	.028		
									20	13.37	33.53		25.202	277.4	.056		
									30	13.35	33.53		25.206	277.1	.083		
									50	13.22	33.52		25.225	275.3	.139		
									75	10.85	33.64		25.758	224.6	.202		
									100	10.41	33.77		25.943	207.0	.256		
									125	9.61	33.95		26.219	180.8	.305		
									150	9.20	34.02		26.340	169.3	.350		
									200	8.65	34.13		26.507	153.4	.432		
									250	8.34	34.20		26.616	143.1	.508		
									300	7.77	34.23		26.725	132.8	.580		
									400	6.86	34.27		26.885	117.6	.710		
									500	6.30	34.34		27.015	105.3	.828		

## RV ALEXANDER AGASSIZ

## CALCCEFI CRUISE 6902

90045

LATITUDE 32 54.5N			LONGITUDE 118 55.5W			MO/DAY/YR 03/11/69		PASSENGER TIME 2324 GMT			BOTTOM 1664M	WIND 320	SPEED 15KT	WEATHER 1	DOMINANT WAVES 300 05 09		
Z	T	S	O2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0	13.75	33.495	6.06	.50	1.	.01	.0	287.4	0	13.75		6.06					
10	13.72	33.493	6.21	.42	1.	.02	.0	286.9	10	13.77		6.21					
30	13.28		5.87	.52	2.	.05	.5		20	13.58		6.04					
55	11.64		4.31	1.25	15.	.11	12.2		30	13.28		5.87					
65	11.23		3.91	1.47	19.	.09	14.7		50	11.98		4.64					
75	10.83		3.80	1.55	22.	.08	16.1		75	10.83		3.80					
89	10.60	33.712	3.56	1.71	25.	.04	18.5	214.4	100	10.39		3.33					
104	10.31		3.26	1.83	28.	.03	20.9		125	9.86		3.12					
130	9.75		3.11	1.93	32.	.01	22.6		150	9.32		3.07					
150	9.32		3.07	2.07	36.	.03	23.9		200	8.79		2.25					
175	8.93		2.48	2.31	42.	.01	27.0		250	8.28		1.52					
205	8.77		2.22	2.55	45.	.01	29.1		300	7.76		1.23					
234	8.40		1.83	2.65	50.	.01	30.3		400	6.89		.91					
274	8.10		1.35	2.87	56.	.01	33.8		500	6.35		.43					
332	7.33		1.17	3.02	64.	.01	35.4										
406	6.46	34.266	.88	3.24	72.	.01	35.8	117.9									
479	6.48	34.313	.46	3.36	80.	.01	38.9	109.5									
558	5.96		.34	3.48	87.	.01	40.0										

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90053

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 36.5N		119 25.5W		C2/14/69	1535	GMT				833M	310	04KT	2	280 07 08		
Z	T	S	C2	PC4	SID3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	13.75	33.50		25.093	287.8	0	
10									10	13.78	33.50		25.095	287.6	.029	
20									20	13.78	33.49		25.088	288.3	.058	
30									30	13.78	33.49		25.088	288.3	.087	
50									50	13.78	33.50		25.095	287.6	.144	
75									75	11.46	33.45		25.508	248.3	.212	
100									100	10.32	33.62		25.842	216.6	.270	
125									125	9.72	33.74		26.037	198.1	.323	
150									150	9.32	33.88		26.212	181.5	.371	
200									200	8.83	34.06		26.431	160.7	.458	
250									250	8.35	34.12		26.552	149.2	.538	
300									300	7.86	34.18		26.672	137.8	.612	
400									400	7.18	34.22		26.801	125.5	.749	
500									500	6.56	34.28		26.933	113.0	.875	

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90053

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 36.5N		119 25.5W		C2/14/69	1619	GMT				833M	310	04KT	1	280 07 08		
Z	T	S	C2	PC4	SID3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	13.83	33.457	6.27	.34	2.	.03	.6	288.8	0	13.83		6.27				
10	13.80	33.502	6.28	.34	2.	.08	.6	287.8	10	13.80		6.28				
29	13.80		6.35	.40	2.	.04	.6		20	13.80		6.33				
57	13.42		5.94	.51	4.	.09	2.7		30	13.75		6.34				
67	11.77	33.462	5.05	.56	10.	.06	9.9	252.9	50	13.51		6.04				
81	10.75		4.58	1.25	14.	.03	14.1		75	11.07		4.73				
96	10.16		4.02	1.53	20.	.01	18.2		100	10.08		3.91				
110	9.94		3.70	1.58	23.	.02	19.3		125	9.71		3.45				
134	9.58		3.35	1.75	27.	.02	21.6		150	9.35		3.24				
155	9.29		3.21	1.84	30.	.02	22.6		200	8.87		2.64				
184	9.00		2.85	1.87	33.	.03	24.6		250	8.37		2.15				
213	8.77		2.49	2.01	38.	.01	25.7		300	7.84		1.45				
242	8.46		2.26	2.09	42.	.01	28.8		400	7.07		.79				
290	7.94		1.55	2.24	50.	.01	31.0		500	6.41		.46				
344	7.43		1.12	2.25	57.	.03	33.9									
426	6.93		.68	2.46	65.	.00	36.8									
508	6.36	34.302	.44	2.49	73.	.00	37.4	108.9								
590	5.96	34.318	.38	2.55	78.	.00	38.2	102.8								

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90060

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 24.5N		119 57.0W		C2/14/69	2029	GMT				929M	200	01KT	2	290 05 05		
Z	T	S	C2	PC4	SID3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	14.32	33.52		24.998	296.8	0	
10									10	14.25	33.52		25.005	296.2	.030	
20									20	14.19	33.52		25.026	294.2	.059	
30									30	14.18	33.52		25.028	294.0	.089	
50									50	14.18	33.52		25.028	294.0	.148	
75									75	13.23	33.45		25.169	280.6	.220	
100									100	10.98	33.53		25.657	234.2	.285	
125									125	10.08	33.70		25.945	206.8	.341	
150									150	9.45	33.84		26.153	187.1	.390	
200									200	8.60	33.98		26.404	163.2	.480	
250									250	7.88	34.08		26.591	145.5	.559	
300									300	7.48	34.12		26.680	137.0	.632	
400									400	6.84	34.21		26.840	121.8	.767	
500									500	6.07	34.24		26.966	109.9	.889	

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

90060

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 24.5N		115 57.0W		C2/14/69	2127	GMT				929M	200	01KT	1	290 05 05		
Z	T	S	O2	PC4	SID3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	14.33	33.538	6.27	.34	3.	.02	1.0	295.7	0	14.33		6.27				
10	14.30	33.539	6.28	.31	3.	.03	1.2	295.0	10	14.30		6.28				
30	14.21		6.35	.42	4.	.00	.4		20	14.25		6.32				
59	14.18		6.21	.34	3.	.08	.4		30	14.21		6.35				
69	13.61	33.504	5.94	.45	5.	.20	2.9	284.0	50	14.15		6.25				
84	12.03		5.18	.51	11.	.10	11.2		75	12.95		5.65				
99	11.04		4.55	1.15	16.	.08	14.8		100	11.00		4.51				
115	10.46		4.04	1.42	20.	.04	17.0		125	10.08		3.76				
139	9.62		3.44	1.67	28.	.04	22.1		150	9.42		3.30				
159	9.30		3.22	1.75	31.	.04	24.9		200	8.67		2.94				
188	8.87		3.03	1.84	35.	.04	25.7		250	7.96		2.15				
219	8.36		2.73	1.92	41.	.05	27.8		300	7.48		1.39				
248	7.98		2.19	2.04	47.	.05	31.5		400	6.66		.79				
297	7.51		1.42	2.24	55.	.01	33.0		500	5.98		.46				
351	7.00		1.02	2.35	63.	.01	34.0		600	5.41		.34				
435	6.44		.67	2.46	73.	.01	37.8									
519	5.85	34.305	.42	2.52	82.	.02	39.6	102.4								
603	5.40	34.352	.34	2.55	89.	.00	40.8	93.7								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

90060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 25.0N		119 57.5W		03/11/69		0105 GMT		854M	320	23KT	1	300 12 08			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
2	13.23	33.446	6.01	.60	2.	.09	.3	280.9	0	13.23		6.01			
11	13.22	33.448	6.03	.50	2.	.08	.3	280.6	10	13.22		6.03			
30	13.23		6.04	.52	2.	.09	.3		20	13.22		6.03			
54	13.28		5.97	.56	1.	.12	.6		30	13.23		6.04			
63	13.30		5.89	.54	2.	.16	.5		50	13.27		5.98			
72	13.30	33.504	5.87	.52	2.	.39	.0	278.0	75	13.29		5.66			
86	13.27		4.90	.56	2.	.15	.7		100	11.15		5.03			
100	11.15		5.03	1.13	10.	.17	9.2		125	9.62		4.20			
122	9.72		4.23	1.63	21.	.00	18.6		150	9.18		3.82			
141	9.31		4.04	1.67	25.	.00	21.2		200	8.56		2.61			
163	9.02		3.42	1.99	33.	.02	24.2		250	7.80		2.67			
190	8.70		2.51	2.07	38.	.01	26.2		300	7.16		2.10			
217	8.31		2.91	2.21	42.	.01	27.6		400	6.41		.93			
252	7.77		2.64	2.37	50.	.02	28.5		500	5.80		.42			
305	7.11		2.04	2.61	54.	.00	31.3								
373	6.60	34.155	1.18	3.06	71.	.00	33.7	122.8							
444	6.13	34.235	.63	3.32	83.	.03	35.7	111.0							
523	5.68		.39	3.58	93.	.03	38.4								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

90060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 25.0N		119 57.5W		03/11/69		0215 GMT		854M	320	23KT	1	300 12 08			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.23A	33.52A		25.223	275.5	0
									10	13.23	33.52		25.223	275.5	.028
									20	13.23	33.52		25.223	275.5	.055
									30	13.23	33.53		25.230	274.8	.083
									50	13.15	33.54		25.246	273.3	.138
									75	13.15	33.54		25.246	273.3	.206
									100	10.62	33.41		25.627	237.0	.271
									125	9.41	33.68		26.041	197.7	.326
									150	9.05	33.84		26.224	180.3	.374
									200	8.31	34.04		26.495	154.5	.459
									250	7.68	34.09		26.628	142.0	.535
									300	7.08	34.11		26.729	132.4	.606
									400	6.25	34.24		26.942	112.1	.733
									500	5.88	34.30		27.037	103.2	.847

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

90065

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 16.0N		120 17.0W		03/10/69		1418 GMT		3513M	290	16KT	8	310 10 12			
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
08		33.366													
401B		34.130													
602	5.18	34.259	.41					94.2							
804B		34.397													
903	4.27	34.438	.46					75.1							
1205B		34.502													
1225	3.40	34.516	.82					60.8							
1507	2.81	34.553	1.16					52.9							
1606B		34.562													
1757	2.32	34.589	1.62					46.2							
2008B		34.608													
2028	2.03	34.612	1.97					42.2							
2260	1.89	34.631	2.25					39.7							
2410B		34.633													
2510	1.78	34.638	2.38					38.4							
2761	1.691	34.654	2.58					36.5							
2811B		34.639													
3012	1.641	34.651	2.70					36.4							
3211B		34.659													
3231	1.591	34.660	2.79					35.4							
3410	1.566	34.658	2.93					35.4							
3561	1.564	34.669	2.95					34.5							
3610B		34.663													
3660	1.547	34.663	2.99					34.8							

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.  
 B) SPECIAL SAMPLES FOR IODINE AND MOLYBDENUM WERE COLLECTED FROM LEXAN BOTTLES AT THESE DEPTHS.



## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

9CC65

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 16.0N		120 17.0W		C3/10/69		1551 GMT			3813M	290	16KT	8	310 10 12		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.97A	33.42A		24.995	297.2	0
									10	13.96	33.42		24.997	297.0	.030
									20	13.97	33.42		24.995	297.2	.059
									30	13.96	33.42		24.997	297.0	.089
									50	13.93	33.41		24.995	297.1	.149
									75	12.85	33.36		25.174	280.1	.221
									100	10.90	33.36		25.539	245.4	.258
									125	9.66	33.56		25.907	210.4	.345
									150	9.24	33.75		26.123	189.9	.396
									200	8.29	34.00		26.467	157.2	.484
									250	7.71	34.06		26.600	144.6	.562
									300	6.98	34.11		26.743	131.1	.633
									400	6.20	34.17		26.894	116.7	.762
									500	5.61	34.25		27.031	103.7	.878

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

9CC70

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 02.5N		120 36.5W		C2/15/69		C250 GMT			3926M	190	10KT	1	280 06 06		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.01	33.15		24.779	317.8	0
									10	14.01	33.15		24.779	317.8	.032
									20	14.00	33.15		24.781	317.6	.064
									30	13.75	33.15		24.824	313.4	.095
									50	13.16	33.25		25.028	294.0	.156
									75	11.21	33.09		25.274	270.6	.227
									100	10.17	33.39		25.689	231.1	.290
									125	9.68	33.57		25.911	210.0	.346
									150	9.10	33.81		26.193	183.3	.396
									200	8.55	34.96		26.390	164.6	.484
									250	7.86	34.04		26.563	148.2	.565
									300	7.22	34.07		26.678	137.2	.638
									400	6.08	34.17		26.909	115.3	.769
									500	5.61	34.24		27.023	104.5	.885

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

9CC70

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 02.5N		120 36.5W		C2/15/69		C406 GMT			3926M	190	10KT	1	280 06 06		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
	0	13.98	33.146					317.5	C	13.98			6.29		
	10	13.99	33.146					317.7	10	13.95			6.35		
	29	13.78							20	13.88			6.40		
	38	13.34							30	13.73			6.43		
	52	12.85	33.252					288.0	50	12.92			6.22		
	67	11.54							75	11.05			5.76		
	91	10.38							100	10.13			5.01		
	109	9.95							125	9.71			4.42		
	129	9.65							150	9.09			3.92		
	148	9.12							200	8.61			3.00		
	176	8.88							250	7.95			2.35		
	210	8.48							300	7.25			1.83		
	238	8.10							400	6.15			1.05		
	286	7.48							500	5.58			.46		
	339	6.64													
	421	6.04													
	503	5.56	34.256					102.7							
	585	5.19	34.309					94.6							

A) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE DIGITAL DATA LOGGER. THE TABULATED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

9C080

LATITUDE 31 44.5N			LONGITUDE 121 15.5W			MC/DAY/YR C2/15/69			MESSENGER TIME C62R GMT			BOTTOM 3832M		WIND 170		SPEED 1KT		WEATHER 1		DOMINANT WAVES 280 06 06		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
0			6.35	.11	3.	.C4	.3		0	13.41	33.28		25.001	296.5	0							
10			6.34	.34	3.	.C2	.0		10	13.40	33.28		25.003	296.4	.030							
30			6.34	.31	3.	.11	.0		20	13.40	33.29		25.011	295.6	.059							
50			6.30	.31	3.	.C3	.2		30	13.41	33.29		25.009	295.8	.089							
80			5.85	.57	5.	.C8	3.9		50	13.36	33.25		25.019	294.9	.148							
110			4.20	1.44	19.	.C3	17.2		75	12.80	33.30		25.138	283.5	.221							
150			3.38	1.75	31.	.C4	23.5		100	10.20	33.32		25.629	236.8	.286							
200			2.93	1.58	38.	.C3	26.7		125	9.54	33.70		26.036	198.2	.341							
250			2.07	2.15	48.	.C4	31.0		150	9.01	33.85		26.238	179.0	.389							
300			1.56	2.26	55.	.C2	31.9		200	8.33	33.98		26.445	159.3	.475							
400			.90	2.43	68.	.C2	35.4		250	7.88	34.07		26.583	146.2	.554							
500			.54	2.55	80.	.C1	39.7		300	7.27	34.13		26.718	133.4	.626							
									400	6.63	34.24		26.892	116.9	.756							
									500	5.68	34.21		26.991	107.6	.875							

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

9CC9C

LATITUDE 31 24.5N			LONGITUDE 122 00.0W			MC/DAY/YR C2/15/69			MESSENGER TIME 1443 GMT			BOTTOM 3926M		WIND 210		SPEED 08KT		WEATHER 5		DOMINANT WAVES 250 08 06		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
0			6.31	.55	3.	.C3	.6		0	13.53	33.34		25.023	294.5	0							
10			6.33	.37	3.	.C0	.1		10	13.51	33.34		25.027	294.1	.029							
40			6.31	.37	3.	.C3	.2		20	13.51	33.34		25.027	294.1	.059							
60			6.21	.40	3.	.C6	1.1		30	13.51	33.34		25.027	294.1	.088							
80			5.26	1.05	11.	.C1	10.4		50	13.51	33.35		25.035	293.3	.147							
110			4.18	1.58	22.	.C0	18.7		75	13.24	33.33		25.074	289.6	.221							
150			3.07	1.90	33.	.C1	24.9		100	10.19	33.52		25.787	221.8	.285							
200			2.56	2.04	41.	.C0	28.1		125	9.32	33.75		26.110	191.1	.337							
250			2.04	2.15	49.	.C0	30.8		150	9.02	33.86		26.244	178.4	.384							
300			1.55	2.32	56.	.C0	33.2		200	8.28	34.02		26.484	155.6	.469							
400			.65	2.52	69.	.C0	36.7		250	7.68	34.09		26.628	142.0	.545							
500			.43	2.60	79.	.C0	39.0		300	7.21	34.15		26.742	131.1	.616							
									400	6.44	34.23		26.910	115.2	.744							
									500	5.86	34.29		27.032	103.7	.860							

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

93027

LATITUDE 32 56.0N			LONGITUDE 117 15.0W			MC/DAY/YR C2/17/69			MESSENGER TIME 1223 GMT			BOTTOM PRM		WIND 59		SPEED 01KT		WEATHER 2		DOMINANT WAVES 280 03 5		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
0			6.35	.28	2.	.C0	.0		0	14.34	33.31		24.833	312.6	0							
10			6.37	.28	2.	.C0	.2		10	14.34	33.31		24.833	312.6	.031							
30			4.98	.65	8.	.C1	4.5		20	14.33	33.32		24.842	311.7	.063							
50			4.12	1.15	14.	.C6	11.1		30	13.90	33.37		24.971	299.5	.093							
80			3.66	1.47	19.	.10	15.4		50	12.36	33.32		25.239	274.0	.151							
									75	11.48	33.61		25.628	236.9	.215							

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

93028

LATITUDE 32 54.5N			LONGITUDE 117 22.0W			MC/DAY/YR C2/17/69			MESSENGER TIME 1355 GMT			BOTTOM 537M		WIND 010		SPEED 03KT		WEATHER 2		DOMINANT WAVES 280 03 4		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
0			6.51	.25	2.	.C0	.1		0	14.36	33.33		24.844	311.5	0							
10			6.23	.34	3.	.C0	.1		10	14.36	33.33		24.844	311.5	.031							
30			5.04	.74	7.	.33	4.3		20	14.29	33.34		24.866	309.4	.062							
50			4.06	1.27	14.	.30	11.7		30	13.80	33.43		25.037	293.1	.092							
80			3.30	1.56	21.	.06	16.9		50	12.41	33.46		25.337	264.6	.148							
110			2.87	1.73	28.	.06	20.6		75	11.18	33.67		25.729	227.3	.210							
150			2.67	1.84	32.	.14	23.2		100	10.24	33.79		25.988	202.7	.264							
200			2.05	2.01	38.	.11	26.2		125	9.97	33.90		26.120	190.2	.314							
250			1.80	2.12	43.	.04	28.3		150	9.75	33.99		26.227	180.0	.361							
300			1.42	2.18	46.	.03	29.3		200	9.35	34.16		26.419	161.8	.448							
400			1.02	2.32	58.	.04	32.3		250	8.99	34.20		26.515	152.7	.529							
500			.77	2.43	70.	.01	36.8		300	8.72	34.25		26.596	145.0	.606							
									400	7.66	34.26		26.764	129.0	.749							
									500	6.63	34.23		26.885	117.6	.880							



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

93030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 50.5N		117 31.0W		C2/17/69		1555 GMT			833M	160	01KT	2	270 03 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.32	.31	2.	.00	.1		0	14.46	33.34		24.830	312.8	0
10			6.32	.31	2.	.00	.0		10	14.44	33.34		24.835	312.4	.031
30			5.72	.34	3.	.00	.1		20	14.40	33.35		24.851	310.9	.062
50			4.90	.48	9.	.04	7.3		30	14.24	33.43		24.946	301.8	.093
80			3.30	1.53	20.	.00	17.1		50	13.34	33.37		25.085	288.6	.152
110			2.82	1.78	26.	.00	21.0		75	11.43	33.54		25.583	241.2	.219
150			2.80	1.84	31.	.00	23.5		100	10.76	33.76		25.874	213.5	.276
200			2.11	2.01	37.	.00	25.7		125	10.19	33.92		26.098	192.3	.328
250			1.70	2.12	42.	.00	27.7		150	9.70	34.03		26.266	176.3	.374
300			1.49	2.21	46.	.00	29.2		200	9.50	34.16		26.401	163.5	.461
400			1.03	2.32	55.	.00	31.4		250	9.22	34.22		26.493	154.7	.543
500			.80	2.43	67.	.00	35.8		300	8.84	34.28		26.601	144.5	.620
									400	7.94	34.26		26.723	132.9	.765
									500	6.81	34.24		26.868	119.2	.899

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

93035

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 40.5N		117 51.5W		C2/17/69		2231 GMT			648M	300	01KT	1	270 03 10		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.48	.25	2.	.00	.2		0	14.56	33.34		24.809	314.8	0
10			6.38	.42	2.	.01	.2		10	14.44	33.34		24.835	312.4	.031
30			5.66	.42	3.	.07	.3		20	14.45	33.40		24.879	308.2	.062
50			4.44	1.13	12.	.08	10.4		30	14.03	33.39		24.959	300.6	.093
80			3.19	1.67	23.	.07	18.9		50	12.60	33.46		25.301	268.1	.150
110			2.83	1.84	27.	.00	21.3		75	11.18	33.65		25.714	228.8	.212
150			3.02	1.84	32.	.02	23.5		100	10.57	33.82		25.954	205.9	.267
200			2.45	1.98	39.	.00	26.4		125	10.24	33.93		26.097	192.4	.318
250			1.74	2.18	45.	.00	28.6		150	9.56	34.00		26.266	176.3	.364
300			1.36	2.24	51.	.01	30.5		200	8.93	34.10		26.446	159.2	.450
400			1.01	2.41	61.	.00	33.8		250	8.62	34.15		26.534	150.9	.530
500			.55	2.55	76.	.00	37.9		300	8.21	34.21		26.644	140.5	.605
									400	7.20	34.22		26.799	125.8	.744
									500	6.25	34.25		26.950	111.4	.869

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

93040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 30.0N		118 11.5W		C2/18/69		C317 GMT			1387M	310	02KT	0	270 03 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.06	.28	2.	.00	.0		0	14.82	33.45		24.838	312.1	0
10			6.05	.28	2.	.00	.0		10	14.77	33.44		24.841	311.8	.031
40			6.07	.28	2.	.00	.0		20	14.58	33.45		24.889	307.2	.062
60			5.13	.71	7.	.14	4.8		30	14.56	33.45		24.894	306.8	.093
80			4.26	1.16	13.	.02	11.7		50	14.50	33.46		24.914	304.8	.154
110			3.51	1.53	20.	.01	17.6		75	12.47	33.46		25.326	265.7	.226
150			2.85	1.78	28.	.01	22.7		100	11.14	33.62		25.698	230.3	.289
200			2.30	1.95	36.	.00	26.2		125	10.65	33.75		25.886	212.4	.345
250			1.84	2.05	44.	.01	29.1		150	10.05	33.91		26.107	191.4	.396
300			1.34	2.21	49.	.00	30.9		200	9.42	34.09		26.359	167.5	.487
400			.84	2.35	63.	.01	35.5		250	8.82	34.16		26.510	153.1	.570
500			.36	2.52	74.	.01	38.7		300	8.41	34.24		26.637	141.1	.646
									400	7.05	34.24		26.830	122.8	.783
									500	6.37	34.30		26.974	109.1	.906

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

93050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 10.0N		118 52.5W		C2/18/69		C853 GMT			1664M	150	03KT	1	270 05 07		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	14.72	33.55		24.936	302.7	0
10									10	14.73	33.55		24.934	302.9	.030
20									20	14.64	33.55		24.954	301.1	.061
30									30	14.61	33.55		24.960	300.5	.091
50									50	14.37	33.52		24.988	297.8	.151
75									75	12.88	33.45		25.238	274.0	.223
100									100	10.85	33.55		25.688	231.2	.286
125									125	9.80	33.77		26.047	197.1	.340
150									150	9.35	33.91		26.224	180.3	.388
200									200	8.65	34.08		26.474	156.5	.474
250									250	8.27	34.13		26.572	147.3	.552
300									300	7.88	34.17		26.661	138.8	.626
400									400	7.10	34.24		26.828	123.0	.763
500									500	6.45	34.30		26.964	110.1	.886

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

93060

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTDM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 54.0N		119 38.0W		02/18/69	1432	GMT		2791M	340	07KT	1	290 10 09			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CC
									0	14.01	33.13		24.763	319.2	0
									10	13.94	33.15		24.793	316.4	.032
									20	13.79	33.16		24.832	312.7	.063
									30	13.79	33.16		24.832	312.7	.095
									50	13.74	33.19		24.865	309.9	.157
									75	12.85	33.22		25.059	291.1	.233
									100	10.86	33.22		25.437	255.1	.301
									125	10.08	33.44		25.743	226.0	.362
									150	9.37	33.71		26.071	194.8	.415
									200	8.57	33.95		26.385	165.0	.507
									250	7.73	34.02		26.566	147.8	.587
									300	7.29	34.07		26.668	138.1	.661
									400	6.75	34.20		26.845	121.4	.796
									500	6.09	34.28		26.995	107.2	.916

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

93070

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTDM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 24.5N		120 14.0W		02/18/69	1900	GMT		4213M	310	17KT	1	290 10 10			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CC
									0	14.23	33.30		24.848	311.1	0
									10	14.22	33.29		24.842	311.7	.031
									20	14.26	33.35		24.880	308.1	.062
									30	14.71	33.58		24.962	300.3	.093
									50	14.69	33.58		24.966	299.9	.153
									75	12.68	33.49		25.308	267.3	.224
									100	11.34	33.57		25.623	237.4	.288
									125	10.77	33.83		25.927	208.5	.344
									150	10.43	33.95		26.080	194.0	.395
									200	8.85	33.99		26.366	166.8	.487
									250	7.85	34.02		26.548	149.5	.568
									300	7.27	34.07		26.671	137.9	.642
									400	6.40	34.15		26.852	120.7	.777
									500	5.82	34.24		26.997	107.0	.897

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

93080

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTDM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 10.0N		120 54.0W		02/18/69	2342	GMT		4117M	270	17KT	1	280 10 08			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CC
									0	14.26	33.14		24.719	323.4	0
									10	14.26	33.14		24.719	323.4	.032
									20	14.25	33.14		24.721	323.2	.065
									30	14.25	33.16		24.736	321.8	.097
									50	14.05	33.16		24.778	317.8	.161
									75	13.56	33.17		24.886	307.5	.240
									100	13.32	33.26		25.004	296.3	.316
									125	10.74	33.15		25.404	258.2	.386
									150	9.69	33.53		25.878	213.1	.445
									200	8.85	33.87		26.273	175.7	.544
									250	8.06	33.98		26.486	155.4	.629
									300	7.51	34.04		26.613	143.3	.706
									400	6.29	34.13		26.851	120.8	.843
									500	5.63	34.18		26.973	109.2	.964

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

93090

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTDM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 50.0N		121 34.5W		02/19/69	0355	GMT		4117M	290	17KT					
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CC
									0	14.88	33.19		24.625	332.3	0
									10	14.88	33.19		24.625	332.3	.033
									20	14.85	33.19		24.623	332.5	.067
									30	14.85	33.19		24.623	332.5	.100
									50	14.84	33.24		24.672	327.9	.166
									75	14.67	33.21		24.686	326.6	.248
									100	11.92	33.11		25.160	281.5	.325
									125	10.72	33.32		25.540	245.3	.391
									150	10.32	33.60		25.827	218.0	.450
									200	9.07	33.87		26.244	178.4	.551
									250	8.27	34.00		26.470	156.9	.637
									300	7.68	34.05		26.597	144.9	.715
									400	6.54	34.11		26.802	125.4	.855
									500	5.75	34.18		26.958	110.6	.979



## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

94C3C

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 42.5N		117 27.0W		02/14/69		2329 GMT		593M		260		07KT		2		230 04 12	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
	0A	14.58	33.35										24.813	314.5	0		
	10	14.57	33.35										24.815	314.3	.031		
	20	14.52	33.45										24.902	306.0	.063		
	30	14.47	33.46										24.921	304.2	.093		
	50	13.54	33.48										25.129	284.4	.152		
	75	11.39	33.59										25.629	236.8	.218		
	100	10.82	33.84										25.926	208.6	.274		
	125	10.42	33.91										26.050	196.8	.325		
	150	9.89	34.05										26.250	177.8	.373		
	200	9.38	34.18										26.436	160.2	.459		
	250	9.13	34.22										26.508	153.4	.540		
	300	8.57	34.26										26.628	142.0	.616		
	400	7.81	34.28										26.758	129.6	.758		
	500	6.74	34.23										26.870	119.0	.889		

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

94030

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 42.5N		117 27.0W		02/15/69		0020 GMT		593M		260		07KT		2		230 04 12	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
	0A	14.65	33.352	6.16	.38	2.	.01	315.8	0	14.55	33.352	6.15	24.799	315.8	0		
	10	14.54	33.441	6.11	.32	2.	.02	307.0	10	14.54	33.441	6.11	24.891	307.0	.031		
	15	14.53	33.453	6.05	.28	2.	.02	306.0	20	14.51	33.460	6.07	24.912	305.0	.062		
	20	14.51	33.460	6.07	.20	2.	.03	305.0	30	14.47	33.464	5.99	24.924	303.9	.092		
	25	14.50	33.467	6.04	.34	2.	.02	304.3	50	12.85	33.475	5.01	25.263	271.6	.150		
	30	14.47	33.464	5.99	.34	2.	.02	303.9	75	11.40	33.641	4.01	25.667	233.7	.214		
	35	14.44	33.469	5.95	.32	2.	.00	303.0	100	10.86	33.841	3.00	25.919	209.2	.269		
	40	14.28	33.472	5.76	.32	3.	.01	299.5									
	44	13.70	33.484	5.45	.38	5.	.04	287.2									
	49	12.98	33.479	5.05	.36	7.	.01	273.8									
	54	12.40	33.459		.52	8.	.01	264.5									
	59	12.08	33.464		.70	9.	.01	258.3									
	64	11.84	33.504	4.56	.40	11.	.00	251.1									
	69	11.50	33.576	4.20	.12	15.	.12	239.8									
	74	11.42	33.608	4.03	1.15	16.	3.20	236.0									
	79	11.29	33.773	3.91	1.37	17.	.93	221.5									
	89	11.04	33.770	3.28	1.35	22.	.00	217.5									
	99	10.87	33.841	3.02	1.77	25.	1.02	209.4									

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

97032

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 12.0N		117 15.0W		02/20/69		1346 GMT		1387M		190		12KT		1		280 06 08	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	14.43	33.42		24.898	306.4	0		
									10	14.42	33.42		24.900	306.1	.031		
									20	14.42	33.42		24.900	306.1	.061		
									30	14.42	33.42		24.900	306.1	.092		
									50	12.50	33.42		25.289	269.2	.150		
									75	11.21	33.64		25.701	230.0	.212		
									100	11.13	33.90		25.917	209.5	.268		
									125	10.59	33.92		26.029	198.9	.320		
									150	10.15	34.01		26.175	185.0	.368		
									200	9.45	34.13		26.386	165.0	.458		
									250	9.32	34.28		26.524	151.8	.539		
									300	9.04	34.34		26.616	143.1	.615		
									400	7.83	34.27		26.747	130.6	.759		
									500	6.93	34.30		26.899	116.3	.889		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

97C32

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 12.0N		117 15.0W		02/20/69		1439 GMT		1387M		190		12KT		1		280 06 08	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
	1	14.33	33.414	6.14	.31	3.	.01	304.8	0	14.33			6.14				
	10	14.35	33.411	6.16	.34	2.	.02	305.4	10	14.35			6.16				
	29	14.36		6.10	.31	2.	.01	.0	20	14.36			6.13				
	39	13.82		5.30	.48	7.	.19	2.7	30	14.34			6.03				
	50	12.03	33.517	4.56	1.02	10.	.07	9.6	50	12.03			4.56				
	65	11.35		4.45	1.16	13.	.07	11.9	75	11.34			3.70				
	83	11.34		3.08	1.70	21.	.04	18.2	100	10.93			2.87				
	102	10.87		2.84	1.81	25.	.05	20.6	125	10.42			2.77				
	121	10.52		2.85	1.87	27.	.05	21.5	150	9.95			2.52				
	139	10.10		2.47	1.98	29.	.06	23.3	200	9.35			2.31				
	165	9.80		2.58	2.05	32.	.08	24.4	250	9.14			1.58				
	198	9.37		2.33	2.15	37.	.07	26.3	300	9.06			1.04				
	225	9.13		1.58	2.32	40.	.07	27.5	400	7.86			.90				
	270	9.14		1.29	2.52	44.	.09	29.3	500	6.83			.54				
	322	8.94		.54	2.58	48.	.09	31.0									
	403	7.81		.50	2.66	56.	.08	32.9									
	482	7.03	34.306	.56	2.80	69.	.08	36.4	117.1								
	561	6.08	34.291	.48	2.83	78.	.09	39.3	106.3								

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

97035

LATITUDE 32 06.0N			LONGITUDE 117 25.0W			MC/DAY/YR C2/20/69			MESSENGER TIME 1115 GMT			BOTTOM 1295M		WIND 180		SPEED 12KT		WEATHER 5		DOMINANT WAVES		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
0			6.C1	.25	2.	.C0	.C		0	14.33	33.43		24.927	303.6	0							
10			6.10	.28	2.	.C0	.0		10	14.32	33.43		24.927	303.6	.030							
30			6.03	.28	2.	.C0	.C		20	14.34	33.43		24.925	303.8	.061							
50			5.75	.57	5.	.11	3.3		30	14.34	33.43		24.925	303.8	.091							
80			3.96	1.25	17.	.C3	15.3		50	12.45	33.21		25.129	284.4	.150							
110			2.75	1.50	26.	.21	21.0		75	11.05	33.44		25.574	242.0	.216							
150			2.44	2.12	31.	.C0	24.3		100	10.70	33.77		25.893	211.8	.274							
200			2.25	2.21	35.	.C0	25.8		125	10.56	33.96		26.065	195.4	.325							
250			1.63	2.43	42.	.C4	28.6		150	10.16	34.03		26.189	183.7	.373							
300			1.26	2.55	48.	.C7	30.2		200	9.56	34.15		26.383	165.2	.462							
400			.51	2.72	60.	.C4	33.2		250	9.07	34.18		26.486	155.4	.545							
500			.60	2.53	73.	.C5	38.9		300	8.67	34.26		26.612	143.5	.622							
									400	7.35	34.24		26.793	126.3	.763							
									500	6.32	34.24		26.933	113.0	.889							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

97040

LATITUDE 31 57.0N			LONGITUDE 117 47.5W			MC/DAY/YR C2/20/69			MESSENGER TIME 0827 GMT			BOTTOM 1387M		WIND 150		SPEED 03KT		WEATHER 1		DOMINANT WAVES		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
0			6.C2	.28	2.	.C1	.0		0	14.15	33.41		24.941	302.3	0							
10			6.C2	.28	2.	.C0	.C		10	14.15	33.41		24.941	302.3	.030							
40				.C6	2.	.C2	.C		20	14.15	33.41		24.941	302.3	.061							
60			5.83	.31	3.	.C9	.2		30	14.18	33.41		24.943	302.1	.091							
80			5.16	.71	9.	.C8	7.4		50	14.11	33.42		24.966	300.0	.151							
110			4.C4	1.C8	19.	.C0	12.9		75	12.27	33.25		25.202	277.5	.224							
150			3.42	1.75	28.	.13	22.2		100	10.75	33.45		25.628	236.9	.289							
200			2.61	2.18	39.	.15	27.8		125	9.95	33.68		25.952	206.2	.345							
250			1.84	1.98L	41.	.C8	22.4L		150	9.26	33.82		26.175	185.0	.394							
300			1.20	2.46	50.	.C6	30.1		200	8.55	34.00		26.427	161.0	.482							
500			.49	2.CC	79.	.67	37.1		250	8.65	34.24		26.593	145.3	.561							
									300	8.26	34.27		26.683	136.7	.634							
									400	7.08	34.24		26.831	122.7	.769							
									500	6.32	34.28		26.965	110.0	.892							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

97050

LATITUDE 31 36.0N			LONGITUDE 118 24.0W			MC/DAY/YR C2/20/69			MESSENGER TIME 0316 GMT			BOTTOM 1577M		WIND 270		SPEED 06KT		WEATHER 1		DOMINANT WAVES 280 06 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
									0	14.16	33.30		24.863	309.7	0							
									10	14.12	33.30		24.869	309.1	.031							
									20	14.13	33.30		24.869	309.1	.062							
									30	14.14	33.32		24.882	307.9	.093							
									50	14.26	33.49		24.988	297.8	.154							
									75	11.81	33.28		25.312	267.0	.225							
									100	10.71	33.34		25.557	243.7	.289							
									125	9.58	33.52		25.889	212.2	.346							
									150	9.27	33.81		26.165	185.9	.397							
									200	8.57	33.96		26.393	164.3	.486							
									250	7.90	34.03		26.549	149.5	.566							
									300	7.56	34.13		26.677	137.3	.640							
									400	6.86	34.20		26.830	122.8	.776							
									500	6.22	34.28		26.978	108.8	.898							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

97060

LATITUDE 31 15.5N			LONGITUDE 118 10.0W			MC/DAY/YR C2/19/69			MESSENGER TIME 2117 GMT			BOTTOM 3926M		WIND 290		SPEED 18KT		WEATHER 1		DOMINANT WAVES 280 11 10		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD							
									0	14.55	33.58		24.996	297.1	0							
									10	14.55	33.58		24.996	297.1	.030							
									20	14.54	33.58		24.998	296.9	.059							
									30	14.53	33.58		25.000	296.7	.089							
									50	14.45	33.57		25.001	296.6	.149							
									75	11.68	33.62		25.559	239.7	.216							
									100	11.10	33.79		25.837	217.1	.274							
									125	10.88	33.92		25.977	203.7	.327							
									150	10.76	33.95		26.053	196.5	.378							
									200	10.51	34.15		26.721	180.6	.474							
									250	9.92	34.29		26.432	160.6	.562							
									300	9.35	34.29		26.527	151.6	.643							
									400	7.43	34.24		26.782	127.4	.788							
									500	6.79	34.31		26.926	113.7	.916							



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

97C70

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 55.0N		119 5C.5W		C2/19/69	1646	NC2	NC3	DT	290	16KT	1	290 10 09			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.71	33.52		24.916	304.7	0
									10	14.69	33.52		24.920	304.3	.030
									20	14.69	33.52		24.920	304.3	.061
									30	14.67	33.51		24.916	304.6	.091
									50	13.28	33.26		25.012	295.5	.152
									75	11.13	33.29		25.444	254.5	.221
									100	10.28	33.49		25.748	225.5	.281
									125	9.82	33.66		25.958	205.6	.336
									150	9.40	33.87		26.191	183.4	.385
									200	9.08	34.11		26.430	160.8	.473
									250	9.12	34.25		26.533	151.0	.553
									300	8.22	34.22		26.650	139.9	.628
									400	6.96	34.23		26.840	121.9	.765
									500	6.29	34.29		26.977	108.9	.887

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

97080

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 36.0N		120 29.0W		C2/19/69	1223	NC2	NC3	DT	310	14KT	5	270 10 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									C	15.11	33.43		24.760	319.5	0
									10	15.11	33.43		24.760	319.5	.032
									20	15.11	33.43		24.760	319.5	.064
									30	15.12	33.43		24.758	319.7	.096
									50	15.09	33.42		24.757	319.8	.160
									75	14.07	33.16		24.774	318.2	.240
									100	11.95	33.12		25.162	281.3	.316
									125	10.92	33.26		25.458	253.1	.383
									150	9.92	33.45		25.778	222.7	.443
									200	9.03	33.84		26.227	180.0	.546
									250	8.28	33.97		26.445	159.3	.633
									300	7.57	34.03		26.597	144.9	.711
									400	6.55	34.14		26.819	123.8	.851
									500	6.15	34.28		26.982	108.4	.973

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

97090

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 18.0N		121 09.0W		C2/19/69	0808	NC2	NC3	DT	300	18KT	6	270 08 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.10	33.44		24.770	318.6	0
									10	15.10	33.44		24.770	318.6	.032
									20	15.10	33.44		24.770	318.6	.064
									30	15.11	33.44		24.768	318.8	.096
									50	15.09	33.43		24.764	319.1	.160
									75	14.82	33.37		24.777	317.9	.240
									100	12.96	33.35		25.145	282.9	.315
									125	11.10	33.37		25.511	248.0	.382
									150	10.31	33.68		25.891	212.0	.441
									200	9.54	33.96		26.238	179.0	.540
									250	9.20	34.16		26.450	158.9	.627
									300	8.83	34.28		26.602	144.4	.705
									400	8.14	34.38		26.787	126.9	.847
									500	6.50	34.32		26.973	109.3	.973

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100C30

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 40.5N		116 46.5W		C2/21/69	C402	NC2	NC3	DT	408M	330	12KT	1	280 06		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.05	33.40		24.954	301.0	0
									10	14.05	33.40		24.954	301.0	.030
									20	14.05	33.40		24.954	301.0	.060
									30	13.78	33.50		25.095	287.6	.090
									50	12.76	33.54		25.331	265.2	.145
									75	11.56	33.66		25.652	234.6	.208
									100	10.58	33.91		26.023	199.4	.263
									125	10.51	34.00		26.105	191.6	.312
									150	10.24	34.04		26.183	184.2	.360
									200	9.67	34.17		26.380	165.5	.449
									250	9.23	34.24		26.507	153.4	.531
									300	8.91	34.27		26.582	146.3	.609

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100035

Z	LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T		S	O2	SIGT			DT	DD	
0			5.54	.34	2.	.00	.0			0	14.78	33.52				24.900	306.1	.0	
10			5.56	.31	2.	.00	.0			10	14.78	33.52				24.900	306.1	.031	
30			5.54	.31	2.	.00	.0			20	14.78	33.52				24.900	306.1	.061	
50			4.98	.62	8.	.27	5.3			30	14.76	33.52				24.905	305.7	.092	
80			4.19	1.22	13.	.07	10.3			50	13.34	33.53				25.208	276.9	.150	
110			3.64	1.44	18.	.07	13.3			75	12.32	33.50				25.447	254.1	.217	
150			2.79	2.18	30.	.00	23.0			100	11.77	33.62				25.582	241.3	.280	
200			1.78	2.38	36.	.01	25.3			125	10.85	33.76				25.851	215.7	.337	
250			1.38	2.52	40.	.02	27.1			150	10.31	34.04				26.171	185.4	.388	
300			1.12	2.60	45.	.00	28.8			200	9.98	34.24				26.383	165.2	.478	
400			.75	2.77	58.	.03	33.2			250	9.40	34.31				26.501	154.0	.560	
500			.42	2.89	71.	.03	37.2			300	9.05	34.37				26.599	144.7	.637	
										400	8.57	34.27				26.785	127.1	.779	
										500	8.48	34.30				26.960	110.5	.905	

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100040

Z	LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T		S	O2	SIGT			DT	DD	
0			5.55	.31	2.	.00	.0			0	15.01	33.52				24.851	310.9	.0	
10			5.54	.31	2.	.00	.1			10	15.01	33.52				24.851	310.9	.031	
30			5.56							20	15.01	33.52				24.851	310.9	.062	
50			5.88	.37	2.	.00	.1			30	15.01	33.52				24.851	310.9	.093	
80			4.02	1.02	10.	.00	8.4			50	14.76	33.52				24.905	305.7	.155	
110			2.79	1.78	21.	.00	17.5			75	13.82	33.48				25.070	290.0	.230	
150			2.32	2.07	27.	.01	21.0			100	12.25	33.75				25.592	240.3	.297	
200			1.51	2.25	33.	.00	24.8			125	11.73	33.86				25.776	222.9	.356	
250			1.58	2.42	37.	.01	26.6			150	11.01	34.02				26.032	198.6	.409	
300			1.38	2.55	43.	.01	28.3			200	10.42	34.17				26.253	177.6	.505	
400			.81	2.75	50.	.02	32.7			250	9.75	34.28				26.446	159.2	.592	
500			.54	2.83	69.	.03	36.6			300	8.90	34.28				26.591	145.4	.671	
										400	7.81	34.33				26.797	125.9	.812	
										500	6.97	34.25				26.908	115.4	.940	

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100050

Z	LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T		S	O2	SIGT			DT	DD	
0			5.84	.28	2.	.00	.0			0	15.31A	33.57A				24.824	313.5	.0	
10			5.84	.31	4.	.00	.0			10	15.31	33.57				24.824	313.5	.031	
40			5.84	.31	2.	.01	.0			20	15.30	33.57				24.826	313.3	.063	
60			5.84	.34	2.	.02	.0			30	15.25	33.57				24.828	313.0	.094	
80			5.26	.62	6.	.04	3.8			50	15.15	33.57				24.850	311.0	.157	
110			4.40	1.16	12.	.01	11.2			75	13.81	33.45				25.051	291.8	.233	
150			3.58	1.58	22.	.11	19.2			100	11.82	33.51				25.486	250.4	.301	
200			3.10	2.01	31.	.02	23.8			125	10.62	33.66				25.821	218.6	.360	
250			2.32	2.32	39.	.01	27.2			150	10.05	33.78				26.013	200.4	.413	
300			1.87	2.49	46.	.00	29.8			200	9.09	33.99				26.335	169.8	.507	
400			.92	2.75	57.	.01	33.2			250	8.65	34.10				26.490	155.1	.591	
500			.71	2.89	71.	.01	37.3			300	7.91	34.14				26.634	141.4	.667	
										400	7.47	34.29				26.815	124.2	.806	
										500	6.28	34.27				26.965	110.0	.930	

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100060

Z	LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND			SPEED	WEATHER	DOMINANT WAVES		
	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T		S	O2	SIGT			DT	DD	
0			5.50	.28	2.	.00	.0			0	15.22	33.53				24.810	314.7	.0	
10			5.89	.28	2.	.00	.1			10	14.97	33.50				24.844	311.5	.031	
30			5.52	.28	1.	.00	.0			20	14.92	33.50				24.855	310.5	.062	
50			5.77	.40	2.	.03	.7			30	14.89	33.50				24.861	309.9	.094	
80			4.52	1.25	13.	.01	11.0			50	14.75	33.52				24.907	305.5	.155	
110			4.05	1.53	18.	.01	17.6			75	11.34	33.44				25.522	247.0	.225	
150			2.92	2.04	31.	.00	24.7			100	10.17	33.54				25.806	220.0	.284	
200			2.24	2.25	38.	.00	27.7			125	9.60	33.76				26.072	194.7	.336	
250			1.88	2.42	44.	.01	29.6			150	9.15	33.95				26.294	173.7	.383	
300			1.48	2.60	51.	.01	32.7			200	8.05	34.15				26.466	157.3	.467	
400			.71	2.80	62.	.01	35.4			250	8.40	34.16				26.576	146.9	.545	
500			.40	2.89	74.	.01	39.6			300	8.10	34.22				26.668	138.2	.619	
										400	7.03	34.25				26.846	121.3	.755	
										500	6.22	34.28				26.978	108.8	.876	

4) THE DATA FOR THIS LOWERING WERE NOT RECORDED BY THE ORIGINAL DATA LOGGER. THE TABLED VALUES WERE DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100070

LATITUDE 30 20.0N			LONGITUDE 119 22.0W			MC/DAY/YR 02/22/69			MESSENGER TIME 0236 GMT		BCTTOM 3832M	WIND 240	SPEED 06KT	WEATHER 1	DOMINANT WAVES 300 14 10		
Z	T	S	C2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.89	.37	2.	.C1	.0		0	14.76	33.50		24.889	307.2	0		
10			5.76	.31	2.	.C1	.0		10	14.76	33.50		24.889	307.2	.031		
30			5.91	.25	2.	.C1	.C		20	14.76	33.50		24.889	307.2	.061		
50			5.85	.31	3.	.C2	.0		30	14.75	33.50		24.892	307.0	.092		
80			5.01	.E5	10.	.C2	9.5		50	14.58	33.46		24.897	306.5	.154		
110			4.09						75	11.61	33.18		25.271	270.9	.226		
150			3.25	1.E1	30.	.C1	25.0		100	10.26	33.44		25.713	228.9	.289		
200			1.65	2.35	42.	.C3	30.4		125	9.75	33.76		26.048	197.1	.343		
250			1.39	2.32	49.	.C0	29.3		150	9.16	33.86		26.222	180.5	.391		
300			1.13	2.49	53.	.C0	31.4		200	9.25	34.20		26.473	156.7	.477		
400			.68	2.65	68.	.94	37.1		250	8.50	34.25		26.631	141.7	.554		
500			.42	2.E3	79.	.85	38.0		300	8.03	34.26		26.710	134.2	.625		
									400	6.85	34.28		26.894	116.7	.756		
									500	6.24	34.30		26.991	107.5	.875		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100080

LATITUDE 30 00.0N			LONGITUDE 120 07.0W			MC/DAY/YR 02/22/69			MESSENGER TIME 0738 GMT		BCTTOM 4289M	WIND 200	SPEED 17KT	WEATHER 1	DOMINANT WAVES 300 12 10		
Z	T	S	C2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0									0	13.93	33.30		24.911	305.2	0		
10									10	13.93	33.30		24.911	305.2	.031		
20									20	13.93	33.30		24.911	305.2	.061		
30									30	13.93	33.30		24.911	305.2	.092		
50									50	13.93	33.32		24.926	303.7	.153		
75									75	12.94	33.23		25.056	291.3	.228		
100									100	11.75	33.20		25.261	271.8	.298		
125									125	10.31	33.46		25.720	228.2	.362		
150									150	9.51	33.67		26.017	200.0	.416		
200									200	8.53	33.94		26.384	165.2	.509		
250									250	7.83	34.00		26.536	150.7	.590		
300									300	7.28	34.05		26.654	139.5	.664		
400									400	6.53	34.17		26.851	120.8	.800		
500									500	6.07	34.28		26.997	107.0	.920		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100080

LATITUDE 30 00.0N			LONGITUDE 120 07.0W			MC/DAY/YR 02/22/69			MESSENGER TIME 0837 GMT		BCTTOM 4289M	WIND 200	SPEED 17KT	WEATHER 1	DOMINANT WAVES 300 12 10		
Z	T	S	C2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0	13.98	33.318	6.04	.34	2.	.C0	.0	304.9	0	13.98			6.04				
10	13.97	33.318	6.15	.31	2.	.C0	.0	304.7	10	13.97			6.15				
35	13.96		6.23	.28	2.	.C0	.0		20	13.97			6.18				
64	13.90		5.55	.31	2.	.C0	.C		30	13.96			6.21				
74	12.95	33.302	5.88	.48	2.	.C5	2.2	286.2	50	13.93			6.10				
94	11.86		5.58	.55	6.	.C2	4.5		75	12.88			5.87				
110	11.05		5.08	.88	9.	.C2	9.8		100	11.55			5.40				
124	10.45		4.76	1.10	13.	.C4	13.5		125	10.41			4.73				
154	9.41		4.02	1.56	24.	.C2	21.1		150	9.53			4.11				
173	8.92		3.76	1.70	30.	.C1	23.8		200	8.53			3.31				
204	8.49		3.25	1.87	36.	.C1	27.1		250	7.84			2.82				
239	7.99		3.01	2.07	42.	.C3	25.0		300	7.26			2.09				
268	7.62		2.48	2.28	49.	.C3	32.1		400	6.44			1.01				
317	7.09		1.92	2.52	57.	.10	35.4		500	6.08			.46				
381	6.54		1.18	2.63	69.	.C6	39.0		600	5.65			.35				
481	6.14		.49	2.86	80.	.12	41.3										
570	5.83	34.360	.33	2.97	87.	.C6	43.2	98.1									
645	5.43	34.371	.37	2.97	93.	.C2	44.4	92.6									

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100090

LATITUDE 29 35.0N			LONGITUDE 120 50.0W			MC/DAY/YR 02/22/69			MESSENGER TIME 1328 GMT		BCTTOM 4022M	WIND 300	SPEED 22KT	WEATHER 1	DOMINANT WAVES 300 10 10		
Z	T	S	C2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0									0	14.76	33.37		24.790	316.7	0		
10									10	14.76	33.37		24.790	316.7	.032		
20									20	14.77	33.37		24.787	316.9	.063		
30									30	14.77	33.37		24.787	316.9	.095		
50									50	14.78	33.37		24.785	317.1	.159		
75									75	14.76	33.37		24.790	316.7	.238		
100									100	13.01	33.38		25.158	281.6	.314		
125									125	10.80	33.35		25.549	244.4	.380		
150									150	10.20	33.57		25.824	218.3	.439		
200									200	9.74	34.04		26.267	176.2	.539		
250									250	9.38	34.22		26.467	157.2	.625		
300									300	8.84	34.29		26.609	143.8	.703		
400									400	7.86	34.33		26.790	126.6	.844		
500									500	6.94	34.35		26.937	112.7	.971		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100090

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				PCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 35.0N		120 50.0W		02/22/69	1518 GMT				4022M	300	22KT	1	300 10 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
0	14.75	33.379	5.95	.31	2.	.00	.1	315.8	0	14.75			5.95		
9	14.76	33.376	5.93	.26	2.	.00	.1	316.3	10	14.76			5.94		
29	14.77		6.04	.26	2.	.01	.0		20	14.77			5.99		
59	14.77		5.88	.28	2.	.01	.0		30	14.77			6.03		
68	14.78	33.375	5.54	.25	2.	.06	.0	316.7	50	14.77			5.52		
83	14.30		5.85	.34	2.	.04	.5		75	14.56			5.90		
98	11.93		5.43	.65	7.	.02	5.3		100	11.72			5.38		
114	10.71		5.01	.96	11.	.02	10.7		125	10.33			4.53		
139	10.12		3.92	1.45	20.	.00	12.6		150	9.96			3.61		
158	9.88		3.42	1.78	25.	.02	22.2		200	9.75			2.62		
187	9.77		2.88	1.95	30.	.03	25.2		250	9.41			1.89		
218	9.69		2.28	2.12	35.	.00	27.6		300	8.99			1.46		
247	9.44		1.52	2.21	39.	.04	28.7		400	8.00			.73		
296	9.02		1.50	2.46	46.	.04	30.4		500	6.92			.44		
352	8.59		.53	2.60	52.	.01	33.0		600	6.10			.28		
435	7.55		.65	2.77	63.	.02	37.1								
520	6.76	34.353	.39	2.89	73.	.01	39.5	110.1							
603	6.08	34.365	.28	2.54	83.	.01	41.4	100.7							

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100030

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				PCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 06.0N		116 24.5W		02/23/69	2127 GMT				63M	140	10KT	1	220 03 05		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	14.80	33.46		24.850	310.9	0
									10	14.90	33.46		24.850	310.9	.031
									20	14.68	33.46		24.876	308.5	.062
									30	14.65	33.46		24.882	307.9	.093
									50	12.87	33.48		25.263	271.6	.151

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100035

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				PCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 56.0N		116 45.0W		02/23/69	1851 GMT				1849M	180	10KT	2	280 10 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	15.25	33.61		24.859	310.1	0
									10	15.10	33.59		24.885	307.6	.031
									20	14.91	33.57		24.911	305.2	.062
									30	14.85	33.57		24.924	303.9	.092
									50	14.84	33.57		24.926	303.7	.153
									75	13.14	33.49		25.217	276.0	.226
									100	11.54	33.61		25.617	238.0	.291
									125	10.66	33.82		25.939	207.4	.347
									150	10.25	33.94		26.056	192.4	.398
									200	9.37	34.13		26.399	163.7	.489
									250	8.34	34.11		26.546	149.8	.569
									300	7.87	34.14		26.639	140.9	.644
									400	7.22	34.25		26.819	123.8	.782
									500	6.76	34.33		26.946	111.8	.907

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

100040

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				PCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 47.0N		117 03.5W		02/23/69	1617 GMT				1856M	270	08KT	6	280 10 10		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	15.44	33.61		24.826	313.3	0
									10	15.44	33.61		24.826	313.3	.031
									20	15.45	33.61		24.823	313.5	.063
									30	15.45	33.61		24.823	313.5	.094
									50	15.44	33.61		24.826	313.3	.157
									75	15.44	33.61		24.826	313.3	.236
									100	13.00	33.36		25.145	282.9	.311
									125	11.60	33.71		25.684	231.6	.376
									150	10.53	33.76		25.915	209.7	.432
									200	9.76	34.07		26.287	174.3	.530
									250	8.70	34.10		26.482	155.8	.614
									300	7.91	34.18		26.665	138.5	.690
									400	7.02	34.23		26.830	122.8	.827
									500	6.31	34.27		26.958	110.6	.950



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

103050

LATITUDE		LONGITUDE		PC/DAY/YR	MESSENGER TIME				BCTTM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 25.5N		117 40.0W		C2/23/69	1128	GMT		2509M	270	02KT	1	290 08 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.92	33.49		24.847	311.2	0
									10	14.93	33.49		24.845	311.4	.031
									20	14.93	33.49		24.845	311.4	.062
									30	14.93	33.49		24.845	311.4	.094
									50	14.79	33.50		24.883	307.8	.156
									75	12.14	33.37		25.319	266.3	.228
									100	10.62	33.42		25.635	236.3	.291
									125	9.71	33.64		25.961	205.3	.347
									150	9.36	33.88		26.205	182.1	.396
									200	8.71	34.01		26.410	162.6	.484
									250	7.80	34.05		26.579	146.6	.563
									300	7.33	34.09		26.678	137.2	.636
									400	6.52	34.21		26.883	117.7	.769
									500	6.39	34.32		26.987	107.9	.888

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

103060

LATITUDE		LONGITUDE		PC/DAY/YR	MESSENGER TIME				BCTTM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 07.5N		118 19.0W		C2/23/69	0702	GMT		3358M	270	06KT	1	300 10 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									C	15.01	33.47		24.812	314.5	0
									10	15.00	33.47		24.815	314.3	.031
									20	15.01	33.47		24.812	314.5	.063
									30	15.00	33.47		24.815	314.3	.094
									50	14.81	33.42		24.817	314.1	.158
									75	12.36	33.31		25.231	274.7	.232
									100	10.27	33.43		25.703	229.8	.295
									125	9.73	33.73		26.028	199.0	.349
									150	9.43	33.92		26.225	180.2	.397
									200	8.87	34.07		26.432	160.6	.484
									250	8.12	34.12		26.587	145.9	.563
									300	7.70	34.20		26.711	134.0	.635
									400	6.86	34.27		26.885	117.6	.766
									500	6.09	34.30		27.010	105.7	.885

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

103070

LATITUDE		LONGITUDE		PC/DAY/YR	MESSENGER TIME				BCTTM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 48.0N		119 00.5W		C2/23/69	0227	GMT		3546M	260	08KT	1	300 10 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									C	14.60	33.49		24.916	304.7	0
									10	14.59	33.49		24.918	304.5	.030
									20	14.60	33.50		24.924	303.9	.061
									30	14.61	33.56		24.968	299.7	.091
									50	14.59	33.56		24.972	299.3	.151
									75	11.60	33.51		25.529	246.4	.220
									100	10.69	33.68		25.825	218.3	.278
									125	10.04	33.81		26.038	198.0	.331
									150	9.87	34.04		26.246	178.3	.379
									200	8.76	34.05		26.434	160.4	.465
									250	8.03	34.06		26.553	149.1	.545
									300	7.70	34.16		26.680	137.0	.618
									400	6.87	34.22		26.844	121.4	.753
									500	6.16	34.26		26.970	109.5	.875

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

103080

LATITUDE		LONGITUDE		PC/DAY/YR	MESSENGER TIME				BCTTM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 26.5N		119 44.0W		C2/22/69	2157	GMT		3926M	300	14KT	1	300 10 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.82	33.68		24.795	316.2	C
									10	15.82	33.68		24.795	316.2	.032
									20	15.80	33.68		24.799	315.8	.063
									30	15.80	33.68		24.799	315.8	.095
									50	15.79	33.68		24.801	315.6	.158
									75	15.64	33.63		24.797	316.0	.238
									100	12.34	33.45		25.343	264.0	.311
									125	10.95	33.58		25.701	230.0	.373
									150	10.35	33.79		25.969	204.5	.428
									200	9.44	34.06		26.333	170.0	.524
									250	8.44	34.09		26.515	152.7	.606
									300	8.45	34.23		26.623	142.5	.683
									400	7.47	34.28		26.807	124.9	.822
									500	6.73	34.34		26.958	110.7	.947

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107032

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 26.0N		116 11.0W		C2/24/69		C406 GMT			371M		200		05KT		1		280 04	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									C	14.52	33.46		24.897	306.5	0			
									10	14.60	33.45		24.885	307.6	.031			
									20	14.11	33.50		25.027	294.1	.061			
									30	13.73	33.50		25.106	286.6	.090			
									50	12.21	33.62		25.499	249.2	.144			
									75	11.23	33.86		25.868	214.1	.202			
									100	10.87	34.00		26.041	197.7	.254			
									125	10.75	34.08		26.118	190.4	.303			

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107035

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 21.5N		116 22.5W		C2/24/69		C560 GMT			1757M		180		10KT		2		280 05 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									0	15.73	33.62		24.769	318.7	0			
									10	15.71	33.62		24.773	318.3	.032			
									20	15.71	33.63		24.781	317.5	.064			
									30	15.71	33.63		24.781	317.5	.096			
									50	15.65	33.63		24.785	317.1	.159			
									75	14.17	33.44		24.968	299.7	.237			
									100	11.63	33.48		25.500	249.1	.306			
									125	10.55	33.69		25.857	215.2	.365			
									150	10.31	33.85		26.023	199.4	.417			
									200	9.22	33.99		26.314	171.8	.512			
									250	8.72	34.13		26.503	153.9	.595			
									300	8.59	34.28		26.640	140.8	.671			
									400	7.53	34.33		26.838	122.0	.809			
									500	6.72	34.35		26.967	109.8	.932			

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 11.5N		116 40.5W		C2/24/69		C841 GMT			2697M		200		04KT		1			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									C	15.82	33.68		24.795	316.2	0			
									10	15.83	33.68		24.792	316.4	.032			
									20	15.82	33.68		24.795	316.2	.063			
									30	15.82	33.68		24.795	316.2	.095			
									50	15.81	33.68		24.797	316.0	.158			
									75	14.85	33.55		24.900	306.2	.237			
									100	13.33	33.41		25.118	285.5	.311			
									125	11.21	33.55		25.631	236.7	.377			
									150	10.05	33.77		25.998	201.7	.433			
									200	9.88	34.14		26.322	171.0	.528			
									250	9.33	34.29		26.530	151.3	.611			
									300	8.95	34.34		26.630	141.7	.687			
									400	7.82	34.36		26.819	123.8	.826			
									500	6.88	34.35		26.945	111.9	.951			

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29 52.5N		117 16.0W		C2/24/69		1329 GMT			3358M		190		02KT		1		270 08 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									C	15.70	33.64		24.791	316.6	0			
									10	15.71	33.65		24.796	316.1	.032			
									20	15.71	33.65		24.796	316.1	.063			
									30	15.71	33.65		24.796	316.1	.095			
									50	15.71	33.65		24.796	316.1	.158			
									75	15.71	33.65		24.796	316.1	.238			
									100	13.14	33.39		25.140	283.3	.313			
									125	10.89	33.52		25.665	233.4	.379			
									150	10.02	33.81		26.041	197.7	.433			
									200	9.29	34.05		26.349	168.4	.527			
									250	8.97	34.22		26.533	150.9	.609			
									300	8.58	34.29		26.649	139.9	.684			
									400	7.56	34.31		26.818	123.9	.822			
									500	6.29	34.28		26.969	109.6	.945			



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

107C60

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 32.0N			118 01.5W			C2/24/69		1852 GMT			3738M	190	04KT	1	280 10 08		
Z	T	S	O2	PC4	SIC3	NC2	NC3	CT	Z	T	S	O2	SIGT	DT	DD		
0									0	15.04	33.28		24.660	329.0	0		
10									10	14.86	33.32		24.730	322.4	.033		
20									20	14.85	33.34		24.747	320.7	.065		
30									30	14.85	33.34		24.747	320.7	.097		
50									50	14.80	33.32		24.743	321.2	.161		
75									75	14.45	33.25		24.763	319.2	.242		
100									100	12.36	33.39		25.293	268.8	.316		
125									125	11.13	33.53		25.630	236.8	.380		
150									150	9.90	33.79		26.046	197.2	.435		
200									200	9.48	34.08		26.342	169.1	.528		
250									250	8.74	34.11		26.484	155.6	.611		
300									300	8.55	34.28		26.646	140.2	.688		
400									400	7.63	34.28		26.784	127.1	.828		
500									500	6.75	34.32		26.939	112.4	.955		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

107C70

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 11.0N			118 41.0W			C2/24/69		2332 GMT			3075M	190	08KT	1	300 04 06		
Z	T	S	O2	PC4	SIC3	NC2	NC3	CT	Z	T	S	O2	SIGT	DT	DD		
0									0	15.42	33.48		24.730	322.3	0		
10									10	15.42	33.48		24.730	322.3	.032		
20									20	15.20	33.46		24.763	319.2	.064		
30									30	15.20	33.47		24.771	318.5	.096		
50									50	15.41	33.55		24.786	317.0	.160		
75									75	15.58	33.60		24.787	317.0	.240		
100									100	12.62	33.52		25.343	264.0	.313		
125									125	11.24	33.63		25.688	231.3	.376		
150									150	10.60	33.86		25.980	203.5	.431		
200									200	9.96	34.15		26.316	171.6	.526		
250									250	9.45	34.28		26.496	154.5	.610		
300									300	9.16	34.36		26.612	143.5	.687		
400									400	7.85	34.34		26.793	126.3	.829		
500									500	6.65	34.33		26.955	110.9	.954		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

107080

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 51.5N			119 20.0W			C2/25/69		0348 GMT			3832M	200	08KT	1	290 11 08		
Z	T	S	O2	PC4	SIC3	NC2	NC3	CT	Z	T	S	O2	SIGT	DT	DD		
0									0	16.05	33.74		24.779	317.7	0		
10									10	16.10	33.74		24.777	317.9	.032		
20									20	16.08	33.74		24.782	317.4	.064		
30									30	16.01	33.74		24.798	315.9	.095		
50									50	16.00	33.74		24.800	315.7	.159		
75									75	14.90	33.65		24.974	299.1	.236		
100									100	11.13	33.73		25.785	222.0	.302		
125									125	10.82	34.07		26.104	191.7	.354		
150									150	10.71	34.18		26.209	181.7	.402		
200									200	10.45	34.26		26.317	171.4	.492		
250									250	10.72	34.49		26.449	159.0	.577		
300									300	10.51	34.52		26.509	153.3	.658		
400									400	9.32	34.41		26.625	142.2	.813		
500									500	7.94	34.36		26.801	125.5	.955		

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

110C35

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME			BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 46.0N			116 00.0W			C2/26/69		0704 GMT			1298M	220	04KT	1			
Z	T	S	O2	PC4	SIC3	NC2	NC3	CT	Z	T	S	O2	SIGT	DT	DD		
0									0	14.67	33.50		24.909	305.4	0		
10									10	14.64	33.51		24.923	304.0	.030		
30									20	14.19	33.45		24.972	299.3	.061		
50									30	13.77	33.51		25.105	286.7	.090		
80									50	12.52	33.57		25.401	258.5	.145		
110									75	11.01	33.75		25.822	218.5	.205		
150									100	11.22	34.07		26.032	198.5	.257		
200									125	11.15	34.15		26.107	191.4	.307		
250									150	11.01	34.18		26.156	186.8	.355		
300									200	10.05	34.29		26.410	162.7	.444		
400									250	9.58	34.36		26.543	150.0	.525		
500									300	9.04	34.37		26.639	140.9	.600		
									400	7.95	34.34		26.778	127.7	.741		
									500	6.93	34.35		26.938	112.5	.868		

## RV DAVID STARR JORCAN

## CALCCFI CRUISE 6902

110040

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29 36.5N		116 15.5W		C2/26/69			C408 GMT			2227M		230		G3KT		1			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0			5.84	.34	2.	.08	.0		0	15.70	33.63		24.783	317.3	0				
10			5.82	.31	2.	.08	.0		10	15.70	33.63		24.783	317.3	.032				
30			5.81	.28	2.	.08	.0		20	15.70	33.63		24.783	317.3	.064				
50			5.92	.25	2.	.10	.0		30	15.56	33.63		24.814	314.3	.095				
80			5.56	.42	4.	.24	1.2		50	15.04	33.55		24.867	309.3	.158				
110			3.92	.59	16.	.14	10.5		75	14.05	33.46		25.000	296.6	.234				
150			3.44	1.67	25.	.19	22.0		100	12.20	33.43		25.354	263.0	.304				
200			1.51	2.24	34.	.27	27.1		125	10.88	33.69		25.799	220.7	.366				
250			1.32	2.35	42.	.14	28.1		150	9.75	33.84		26.103	191.8	.418				
300			.84	2.55	46.	.14	30.0		200	10.17	34.21		26.327	170.5	.510				
400			.50	2.72	58.	.85	34.1		250	9.48	34.31		26.521	152.1	.593				
500			.35	2.77	71.	.57	35.4		300	9.10	34.36		26.622	142.5	.670				
									400	7.93	34.37		26.811	124.6	.810				
									500	6.75	34.33		26.942	112.2	.935				

## RV DAVID STARR JORCAN

## CALCCFI CRUISE 6902

110050

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29 16.5N		116 55.0W		C2/25/69			2235 GMT			3358M		200		G6KT		1		280 07 08	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0			5.81	.25	2.	.00	.2		0	16.18	33.66		24.698	325.4	0				
10			5.77	.25	2.	.00	.1		10	16.01	33.65		24.729	322.5	.032				
50			5.76	.28	3.	.00	.2		20	15.85	33.65		24.765	319.1	.065				
70			5.80	.28	3.	.00	.1		30	15.83	33.65		24.769	318.6	.096				
90			5.71	.31	3.	.03	.7		50	15.75	33.64		24.780	317.7	.160				
120			4.89	.76	11.	.03	4.3		75	15.70	33.63		24.783	317.3	.240				
150			3.38	1.64	23.	.01	20.3		100	15.60	33.64		24.813	314.5	.320				
200			3.25	1.81	30.	.02	24.1		125	12.60	33.53		25.355	262.9	.393				
250			2.24	2.15	39.	.02	25.0		150	11.02	33.70		25.781	222.3	.454				
300			2.35	2.24	46.	.01	29.8		200	9.57	33.95		26.225	180.2	.557				
400			.72	2.72	61.	.04	36.7		250	9.32	34.18		26.446	159.3	.644				
500			.55	2.83	73.	.02	40.2		300	8.15	34.17		26.582	146.3	.723				
									400	7.70	34.32		26.805	125.1	.864				
									500	6.53	34.28		26.937	112.6	.990				

## RV DAVID STARR JORCAN

## CALCCFI CRUISE 6902

110060

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
28 56.5N		117 35.0W		C2/25/69			1742 GMT			3546M		200		06KT		1		280 10 10	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0			5.59	.28	2.	.00	.1		0	16.04	33.69		24.753	320.2	0				
10			5.78	.28	3.	.00	.1		10	15.97	33.69		24.768	318.7	.032				
40			5.93	.28	2.	.00	.1		20	15.94	33.69		24.775	318.1	.064				
60			5.88	.28	2.	.00	.1		30	15.94	33.69		24.775	318.1	.096				
80			5.48	.48	4.	.04	2.1		50	15.86	33.69		24.793	316.4	.159				
110			3.31	1.53	18.	.04	16.4		75	15.76	33.70		24.823	313.5	.239				
150			2.31	2.09	28.	.00	23.5		100	13.08	33.58		25.299	268.2	.312				
200			1.77	2.32	34.	.03	26.3		125	12.00	33.89		25.748	225.5	.374				
250			2.68	2.05	36.	.00	26.8		150	11.46	34.11		26.019	199.7	.428				
300			2.10	2.29	44.	.00	29.6		200	10.97	34.30		26.256	177.2	.525				
400			.81	2.72	59.	.01	34.7		250	9.41	34.18		26.431	160.6	.611				
500			.46	2.83	69.	.00	38.4		300	8.46	34.16		26.566	147.8	.691				
									400	7.93	34.33		26.779	127.6	.835				
									500	7.00	34.34		26.921	114.2	.963				

## RV DAVID STARR JORCAN

## CALCCFI CRUISE 6902

110070

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			RCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
28 35.5N		118 17.0W		C2/25/69			1315 GMT			3926M		250		04KT		1		290 10 10	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0			5.85	.40	2.	.00	.0		0	15.95	33.75		24.819	313.9	0				
10			5.74	.34	2.	.00	.0		10	15.95	33.75		24.819	313.9	.031				
40			5.78	.31	2.	.00	.3		20	15.94	33.75		24.821	313.7	.063				
60			5.74	.28	2.	.00	.2		30	15.88	33.74		24.827	313.1	.094				
80			4.94	.71	9.	.06	5.8		50	15.86	33.74		24.832	312.7	.157				
110			4.56	1.05	12.	.03	11.4		75	14.97	33.54		24.875	308.6	.235				
150			3.00	1.87	27.	.05	22.8		100	12.19	33.50		25.410	257.6	.307				
200			2.53	2.07	34.	.12	25.7		125	10.84	33.66		25.783	222.2	.367				
250			2.17	2.26	42.	.01	28.5		150	10.25	33.86		26.041	197.7	.420				
300			1.75	2.43	48.	.03	31.7		200	9.47	34.06		26.261	176.8	.516				
400			.85	2.62	63.	.02	36.9		250	8.93	34.17		26.501	154.0	.601				
500			.45	2.83	73.	.02	39.5		300	8.14	34.17		26.623	142.5	.677				
									400	7.16	34.23		26.812	124.5	.817				
									500	6.52	34.28		26.939	112.5	.942				



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

110080

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 16.5N		118 57.5W		C2/25/69		CRO7 GMT			4213M	220	12KT	1	2R0 11 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.76	.31	2.	.00	.0		0	15.87	33.67		24.776	318.0	0
10			5.79	.28	2.	.00	.0		10	15.85	33.67		24.780	317.6	.032
40			5.77	.31	2.	.00	.0		20	15.86	33.67		24.778	317.8	.064
60			5.71	.25	2.	.00	.0		30	15.83	33.69		24.800	315.7	.095
80			5.35	.34	4.	.12	1.4		50	15.80	33.70		24.814	314.3	.159
110			4.40	.85	13.	.04	9.5		75	15.67	33.71		24.851	310.8	.237
150			3.38	1.58	16.	.12	19.6		100	12.53	33.59		25.415	257.2	.309
200			3.02	1.73	32.	.15	24.6		125	11.16	33.64		25.710	229.2	.370
250			2.54	1.95	40.	.40	26.0		150	10.40	33.85		26.007	200.9	.425
300			1.80	2.25	47.	.12	30.7		200	9.46	34.01		26.290	174.0	.520
400			.95	2.58	60.	.83	34.3		250	8.78	34.11		26.477	156.2	.605
500			.56	2.75	72.	.77	37.3		300	8.27	34.17		26.603	144.3	.683
									400	7.44	34.23		26.772	128.3	.825
									500	6.66	34.29		26.928	113.5	.953

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

113030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 22.0N		115 18.0W		C2/26/69		1443 GMT			58M	59	01KT	1	300 04 07		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.73	33.55		24.934	302.9	0
									10	14.72	33.54		24.929	303.5	.030
									20	14.48	33.59		25.018	294.9	.060
									30	13.90	33.62		25.163	281.1	.089
									50	13.49	33.60		25.232	274.6	.145

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

113035

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 11.5N		115 38.0W		C2/26/69		1706 GMT			1298M	250	03KT	2	2R0 08 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.61	33.61		24.788	316.9	0
									10	15.30	33.58		24.833	312.5	.031
									20	15.28	33.59		24.846	311.4	.063
									30	15.28	33.59		24.846	311.4	.094
									50	15.21	33.59		24.861	309.9	.156
									75	12.52	33.52		25.362	262.2	.228
									100	11.57	33.70		25.681	231.9	.290
									125	10.84	33.95		26.008	200.8	.345
									150	10.60	34.12		26.182	184.3	.394
									200	10.31	34.32		26.388	164.7	.483
									250	9.68	34.36		26.527	151.6	.565
									300	8.95	34.39		26.669	138.0	.640
									400	7.84	34.36		26.816	124.1	.777
									500	6.79	34.35		26.957	110.7	.902

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

113040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 05.5N		116 00.0W		C2/26/69		1941 GMT			1949M	200	09KT	1	2R0 08 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.33	33.56		24.812	314.6	0
									10	15.17	33.56		24.847	311.3	.031
									20	14.74	33.50		24.894	306.8	.062
									30	14.58	33.46		24.897	306.5	.093
									50	14.17	33.57		25.068	290.2	.153
									75	12.25	33.69		25.546	244.7	.220
									100	11.17	33.66		25.723	227.9	.280
									125	10.19	33.77		25.981	203.4	.334
									150	10.36	34.02		26.146	187.7	.384
									200	9.59	34.20		26.417	162.0	.473
									250	9.21	34.30		26.557	148.7	.553
									300	8.79	34.36		26.671	137.9	.627
									400	7.80	34.35		26.814	124.3	.765
									500	6.97	34.38		26.956	110.8	.889

RV DAVIE STARR JORDAN

CALCCFI CRUISE 6902

113050

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				RTCTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 40.5N		116 36.0W		C2/27/69	C028	GMT		3452M	330	12KT	1	300 CR 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	15.86	33.70		24.801	315.6	0
									10	15.80	33.68		24.759	315.8	.032
									20	15.35	33.61		24.837	312.2	.063
									30	15.25	33.60		24.851	310.8	.094
									50	15.15	33.59		24.865	309.5	.157
									75	15.08	33.57		24.874	308.7	.234
									100	12.62	33.53		25.351	263.3	.306
									125	11.26	33.73		25.761	224.2	.368
									150	10.77	33.90		25.981	203.4	.422
									200	10.44	34.25		26.311	172.0	.518
									250	10.05	34.35		26.488	155.3	.602
									300	9.87	34.49		26.556	145.0	.680
									400	7.83	34.28		26.755	129.9	.824
									500	7.17	34.36		26.913	115.0	.954

RV DAVIE STARR JORDAN

CALCCFI CRUISE 6902

113060

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				RTCTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 22.0N		117 16.0W		C2/27/69	C438	GMT		3738M	030	08KT	1	300 CR 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	15.95	33.69		24.773	318.3	0
									10	15.95	33.69		24.773	318.3	.032
									20	15.95	33.69		24.773	318.3	.064
									30	15.82	33.68		24.795	316.2	.096
									50	15.71	33.68		24.819	313.9	.159
									75	14.26	33.50		24.956	297.1	.236
									100	12.95	33.90		25.564	243.0	.304
									125	12.65	34.09		25.778	222.7	.363
									150	12.42	34.27		25.962	205.2	.417
									200	11.80	34.39		26.173	185.1	.517
									250	10.55	34.40		26.402	163.4	.606
									300	9.77	34.42		26.558	148.6	.687
									400	8.27	34.38		26.767	128.7	.833
									500	7.18	34.38		26.927	113.6	.962

RV DAVIE STARR JORDAN

CALCCFI CRUISE 6902

113070

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				RTCTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 02.0N		117 55.0W		C2/27/69	0840	GMT		3358M	360	02KT	1	300 CR 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	16.07	33.65		24.715	323.8	0
									10	16.08	33.65		24.713	324.0	.032
									20	16.07	33.66		24.723	323.1	.065
									30	16.07	33.66		24.723	323.1	.097
									50	15.92	33.65		24.747	320.8	.162
									75	15.37	33.57		24.810	314.7	.242
									100	12.65	33.45		25.275	270.5	.315
									125	11.50	33.61		25.625	237.3	.380
									150	10.48	33.70		25.877	213.3	.437
									200	9.95	34.12		26.294	173.6	.535
									250	9.72	34.31		26.481	155.9	.620
									300	8.32	34.20		26.619	142.8	.697
									400	7.86	34.40		26.845	121.4	.835
									500	7.22	34.43		26.961	110.4	.959

RV DAVIE STARR JORDAN

CALCCFI CRUISE 6902

113080

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				RTCTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 43.0N		118 31.0W		C2/27/69	1254	GMT		3926M	040	05KT	1	300 CR 08			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	16.01	33.71		24.775	318.1	0
									10	16.01	33.71		24.775	318.1	.032
									20	16.01	33.71		24.775	318.1	.064
									30	16.01	33.71		24.775	318.1	.096
									50	15.84	33.70		24.805	315.2	.159
									75	15.66	33.67		24.823	313.5	.238
									100	12.63	33.49		25.318	266.4	.311
									125	11.02	33.66		25.750	225.3	.373
									150	10.30	33.84		26.017	200.0	.427
									200	9.62	34.08		26.318	171.3	.522
									250	9.24	34.26		26.521	152.1	.605
									300	8.92	34.33		26.627	142.0	.681
									400	7.43	34.29		26.821	123.7	.820
									500	6.56	34.32		26.965	110.0	.944



RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

117030

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 48.5N		114 55.0W		C2/28/69	1927	GMT		101M	300	12KT	2	330 05 05			
Z	T	S	O2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.02	33.63		24.933	303.0	0
									10	15.00	33.63		24.937	302.6	.030
									20	15.00	33.63		24.937	302.6	.061
									30	15.00	33.64		24.945	301.9	.091
									50	14.09	33.62		25.124	284.9	.150
									75	11.74	33.80		25.727	227.5	.214

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

117035

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 38.0N		115 16.0W		C2/28/69	1647	GMT		205M	320	10KT	2	330 04 05			
Z	T	S	O2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.58	33.74		24.894	306.7	0
									10	15.54	33.74		24.903	305.9	.031
									20	15.54	33.74		24.903	305.9	.061
									30	15.54	33.73		24.895	306.6	.092
									50	15.57	33.75		24.904	305.8	.153
									75	12.58	33.71		25.498	249.3	.223
									100	11.51	34.05		25.964	205.0	.281
									125	10.93	34.19		26.178	184.7	.330
									150	11.02	34.36		26.294	173.7	.376

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

117040

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 28.0N		115 35.5W		C2/28/69	1047	GMT		1021M	340	08KT	2	310 04 06			
Z	T	S	O2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.52	33.76		24.923	304.0	0
									10	15.52	33.76		24.923	304.0	.030
									20	15.52	33.76		24.923	304.0	.061
									30	15.52	33.76		24.923	304.0	.091
									50	14.59	33.70		25.080	289.1	.151
									75	12.17	33.72		25.584	241.1	.218
									100	11.37	34.05		25.490	202.6	.274
									125	10.76	34.15		26.177	184.7	.323
									150	10.55	34.19		26.245	178.3	.369
									200	10.31	34.38		26.435	160.3	.455
									250	10.00	34.43		26.527	151.5	.536
									300	9.56	34.45		26.617	143.0	.612
									400	8.48	34.42		26.767	128.8	.755
									500	7.15	34.37		26.918	114.5	.884

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

117050

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 07.5N		116 12.5W		C2/28/69	0537	GMT		4213M	320	10KT	2	320 04 05			
Z	T	S	O2	PC4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.76	33.77		24.877	308.4	0
									10	15.76	33.77		24.877	308.4	.031
									20	15.77	33.77		24.875	308.6	.062
									30	15.77	33.77		24.875	308.6	.093
									50	15.66	33.77		24.859	306.2	.154
									75	12.84	33.72		25.454	253.4	.225
									100	11.90	33.84		25.728	227.4	.285
									125	11.83	34.14		25.974	204.1	.340
									150	11.17	34.14		26.096	192.5	.390
									200	9.77	34.19		26.379	165.6	.482
									250	9.27	34.26		26.516	152.6	.564
									300	8.73	34.33		26.657	139.2	.639
									400	7.71	34.33		26.812	124.5	.777
									500	6.84	34.38		26.974	109.1	.901

RV DAVID STARR JORDAN

CALCIFI CRUISE 6902

117060

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTDM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 47.5N		116 53.0W		02/28/69		114 GMT			3527M		050		05KT		2		320 04 06	
Z	T	S	C2	PC4	SIG3	AC2	AC3	DT	Z	T	S	D2	SIGT	DT	DD			
									0	15.91	33.72		24.805	315.2	0			
									10	15.90	33.72		24.807	315.0	.032			
									20	15.91	33.72		24.805	315.2	.063			
									30	15.85	33.70		24.803	315.4	.095			
									50	15.54	33.68		24.857	310.3	.157			
									75	14.27	33.57		25.047	292.2	.233			
									100	12.87	33.70		25.433	255.5	.302			
									125	11.36	33.74		25.751	225.2	.363			
									150	10.21	33.96		26.126	189.7	.416			
									200	9.76	34.15		26.350	168.4	.507			
									250	9.81	34.36		26.505	153.6	.590			
									300	9.38	34.43		26.631	141.7	.666			
									400	7.95	34.37		26.808	124.9	.806			
									500	6.86	34.37		26.963	110.1	.931			

RV DAVID STARR JORDAN

CALCIFI CRUISE 6902

117070

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTDM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 31.0N		117 27.0W		02/27/69		2124 GMT			3546M		010		01KT		2		320 03 07	
Z	T	S	C2	PC4	SIG3	AC2	AC3	DT	Z	T	S	D2	SIGT	DT	DD			
									0	16.37	33.69		24.677	327.4	0			
									10	16.37	33.69		24.677	327.4	.033			
									20	16.33	33.69		24.686	326.5	.065			
									30	16.25	33.68		24.688	326.4	.098			
									50	16.15	33.65		24.697	325.5	.164			
									75	16.07	33.64		24.707	324.5	.245			
									100	15.40	33.56		24.796	316.1	.326			
									125	11.91	33.51		25.471	251.9	.398			
									150	10.77	33.68		25.810	219.6	.457			
									200	10.06	34.15		26.259	173.2	.558			
									250	9.14	34.18		26.475	156.5	.642			
									300	8.24	34.19		26.623	142.4	.720			
									400	7.22	34.26		26.827	123.1	.858			
									500	6.84	34.39		26.982	108.4	.981			

RV DAVID STARR JORDAN

CALCIFI CRUISE 6902

117080

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTDM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 13.5N		116 09.0W		02/27/69		1704 GMT			3926M		060		02KT		2		320 04 07	
Z	T	S	C2	PC4	SIG3	AC2	AC3	DT	Z	T	S	D2	SIGT	DT	DD			
									0	16.61	33.75		24.668	328.3	0			
									10	16.57	33.74		24.669	328.2	.033			
									20	16.56	33.74		24.672	327.9	.066			
									30	16.53	33.73		24.671	328.0	.099			
									50	16.12	33.66		24.711	324.1	.164			
									75	15.93	33.68		24.770	318.6	.245			
									100	13.78	33.52		25.111	286.1	.321			
									125	12.12	33.57		25.478	251.2	.389			
									150	10.83	33.66		25.784	222.1	.449			
									200	9.60	33.97		26.236	179.2	.551			
									250	8.85	34.09		26.445	159.4	.638			
									300	8.28	34.17		26.602	144.5	.716			
									400	7.22	34.23		26.804	125.3	.857			

RV DAVID STARR JORDAN

CALCIFI CRUISE 6902

118039

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			RCTTDM		WIND		SPEED		WEATHER		DOMINANT WAVES	
28 18.5N		115 23.5W		02/28/69		1304 GMT			242M		330		06KT		1		330 03 05	
Z	T	S	C2	PC4	SIG3	AC2	AC3	DT	Z	T	S	D2	SIGT	DT	DD			
									0	15.55	33.75		24.900	306.2	0			
									10	15.55	33.74		24.901	306.1	.031			
									20	15.57	33.75		24.904	305.8	.061			
									30	15.20	33.73		24.971	299.5	.092			
									50	13.44	33.65		25.280	270.0	.149			
									75	11.78	33.90		25.797	220.8	.211			
									100	11.27	34.07		26.023	159.4	.264			
									125	11.12	34.21		26.159	186.5	.312			
									150	10.81	34.21		26.215	181.2	.359			
									200	10.61	34.38		26.383	165.3	.448			



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

118C39

Z	LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BCTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD												
1	15.56	33.740	5.78	.34	4.	.02	.0	306.3	0	15.56	33.73	5.78															
11	15.53	33.735	5.82	.37	4.	.00	.0	306.0	10	15.53	33.74	5.82															
31	15.26 A		5.63	.4E	5.	.11	.7		20	15.41	33.74	5.73															
46	13.71		3.96	1.05	12.	.23	9.3		30	15.27	33.74	5.64															
53	12.83	33.775	3.42	1.44	18.	.18	14.6	249.2	50	13.19	33.74	3.63															
67	12.01		2.87	1.75	22.	.07	18.6		75	11.67	33.74	2.65															
82	11.45		2.50	1.87	26.	.19	20.8		100	11.22	33.74	2.32															
101	11.22		2.31	2.04	29.	.04	23.4		125	11.11	33.74	1.87															
125	11.11		1.87	2.18	32.	.54	24.7		150	10.81	33.74	1.89															
145	10.85		1.95	2.24	33.	.09	25.9																				
174	10.71	34.315	1.45	2.41	37.	.15	27.0	171.7																			
199	10.62	34.402	.64	2.45	40.	.29	28.1	163.8																			

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

119C33

Z	LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BCTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD												
									0	15.55	33.73	24.853	306.8	0													
									10	15.52	33.74	24.908	305.5	.031													
									20	15.52	33.74	24.908	305.5	.061													
									30	15.52	33.74	24.908	305.5	.092													
									50	15.52	33.74	24.908	305.5	.153													
									75	14.05	33.62	25.132	284.1	.227													

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

119C33

Z	LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BCTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD												
0	15.49	33.740	5.90	.37	4.	.00	.1	304.8	0	15.49	33.740	5.90	24.914	304.8	0												
10	15.50	33.739	5.90	.40	4.	.00	.0	305.1	10	15.50	33.739	5.90	24.911	305.1	.031												
20	15.50	33.737	5.96	.34	4.	.00	.0	305.3	20	15.50	33.737	5.96	24.910	305.3	.061												
30	15.50	33.737	5.91	.34	4.	.00	.0	305.3	30	15.50	33.737	5.91	24.910	305.3	.092												
50	15.50	33.735	5.92	.2E	4.	.00	.0	305.4	50	15.50	33.735	5.92	24.908	305.4	.153												
71	14.03	33.666	4.36	.4E	9.	.02	.9	280.3																			

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

120045

Z	LATITUDE			LONGITUDE			MC/DAY/YR			MESSENGER TIME			BCTTCM			WIND			SPEED			WEATHER			DOMINANT WAVES		
	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD												
									0	15.76	33.73	24.846	311.3	0													
									10	15.71	33.72	24.850	311.0	.031													
									20	15.70	33.72	24.852	310.7	.062													
									30	15.67	33.71	24.851	310.8	.093													
									50	15.4E	33.69	24.878	308.3	.156													
									75	13.81	33.57	25.143	283.0	.230													
									100	11.32	33.49	25.564	243.0	.296													
									125	10.86	33.88	25.950	206.4	.353													
									150	10.06	34.05	26.221	180.6	.402													
									200	10.12	34.34	26.437	160.1	.489													
									250	10.50	34.55	26.534	150.9	.569													
									300	9.12	34.41	26.658	139.1	.645													
									400	7.85	34.35	26.801	125.5	.783													
									500	7.15	34.38	26.931	113.2	.910													

A) ALTERNATE VALUE, 15.38 DEGREES.

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

120045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				PCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 42.5N		115 34.0W		03/01/69		1356 GMT				2602M		330		11KT		5		310 03 07	
Z	T	S	O2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
1	15.73	33.728	5.54	.34	2.	.00	.0	310.8	0	15.73		5.94							
11	15.74	33.736	5.81	.31	2.	.00	.0	310.4	10	15.74		5.82							
30	15.67		5.54	.31	2.	.00	.0		20	15.71		5.88							
39	15.51		5.79	.31	3.	.01	.1		30	15.67		5.94							
55	15.51	33.688	5.89	.31	3.	.02	.0	309.0	50	15.51		5.86							
69	14.38		5.04	.65	6.	.01	4.1		75	13.7F		4.96							
94	12.03		4.76	.75	9.	.13	7.4		100	11.6E		4.39							
113	11.06		3.65	1.42	19.	.07	17.6		125	10.5C		3.71							
132	10.24		3.75	1.44	21.	.03	18.8		150	10.04		3.20							
154	10.03		3.02	1.90	27.	.07	23.5		200	10.2C		1.13							
182	9.81		1.66	2.15	33.	.13	26.0		250	10.73		.31							
216	10.62		.75	2.55	35.	.38	27.9		300	8.95		.76							
247	10.82		.25	2.65	42.	.02	29.5		400	6.00		.45							
295	9.09		.77	2.75	46.	.01	32.2		500	7.05		.39							
349	8.40		.69	2.72	52.	.11	34.3												
432	7.78		.32	2.85	61.	.01	36.3												
516	6.87	34.398	.42	3.00	70.	.01	39.0	109.2											
597	5.99	34.394	.30	3.06	80.	.04	42.1	97.5											

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

120045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				PCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 43.0N		115 33.0W		03/05/69		1258 GMT				2416M		330		19KT		1		320 10 09	
Z	T	S	O2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0	14.85		33.69						0	14.85	33.69		25.016	295.1	0				
10	14.86		33.69						10	14.86	33.69		25.014	295.3	.030				
20	14.86		33.69						20	14.86	33.69		25.014	295.3	.059				
30	14.86		33.69						30	14.86	33.69		25.014	295.3	.089				
50	14.85		33.69						50	14.85	33.69		25.016	295.1	.148				
75	12.50		33.57						75	12.50	33.57		25.405	258.1	.218				
100	11.74		33.95						100	11.74	33.95		25.844	216.4	.277				
125	10.06		33.94						125	10.06	33.94		26.136	188.7	.329				
150	10.15		34.16						150	10.15	34.16		26.291	173.9	.375				
200	9.85		34.37						200	9.85	34.37		26.506	153.5	.458				
250	9.46		34.45						250	9.46	34.45		26.633	141.4	.535				
300	8.87		34.45						300	8.87	34.45		26.729	132.4	.606				
400	7.84		34.45						400	7.84	34.45		26.887	117.4	.737				
500	6.95		34.43						500	6.95	34.43		26.953	107.4	.857				

## RV ALEXANDER AGASSIZ

## CALCCFI CRUISE 6902

120045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				PCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 43.0N		115 33.0W		03/05/69		1536 GMT				2416M		340		15KT		1		320 08 08	
Z	T	S	O2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0	14.89	33.659	5.75	.48	4.	.00	.0	298.2	0	14.89		5.75							
11	14.90	33.660	5.76	.36	4.	.05	.0	298.4	10	14.90		5.76							
30	14.91		5.75	.44	4.	.07	.0		20	14.90		5.76							
54	13.62		4.81	.72	10.	.00	6.3		30	14.91		5.75							
63	12.84	33.614	4.46	1.07	12.	.04	10.1	261.2	50	13.93		5.00							
73	11.88		4.47	1.09	13.	.04	12.5		75	11.82		4.36							
86	11.66		3.63	1.43	21.	.04	18.5		100	11.05		3.28							
101	11.00		3.27	1.71	22.	.03	23.3		125	10.06		3.20							
125	10.06		3.20	2.01	28.	.00	26.1		150	10.10		2.28							
144	10.10		2.44	2.09	33.	.02	27.0		200	9.77		1.25							
168	10.06		1.89	2.35	38.	.00	31.4		250	9.64		.62							
196	9.97		1.36	2.75	42.	.01	33.0		300	8.87		.63							
224	9.94		.69	2.83	46.	.01	34.0		400	7.84		.54							
262	9.46		.59	3.02	50.	.00	34.9		500	6.90		.27							
318	8.60		.66	3.02	56.	.00	37.1												
389	7.94	34.408	.59	3.32	65.	.00	39.0	121.9											
462	7.27	34.397	.28	3.38	76.	.00	40.6	113.5											
540	6.49		.25	3.38	91.	.00	42.5												

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

120050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME				PCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 32.5N		115 53.0W		03/01/69		1710 GMT				3632M		300		10KT		2		330 04 08	
Z	T	S	O2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0	16.06		33.75						0	16.06	33.75		24.794	316.3	0				
10	16.05		33.76						10	16.05	33.76		24.804	315.3	.032				
20	16.04		33.76						20	16.04	33.76		24.806	315.1	.063				
30	16.04		33.76						30	16.04	33.76		24.806	315.1	.095				
50	15.80		33.70						50	15.80	33.70		24.814	314.3	.158				
75	13.14		33.48						75	13.14	33.48		25.210	276.7	.232				
100	11.75		33.68						100	11.75	33.68		25.625	237.2	.297				
125	11.15		33.90						125	11.15	33.90		25.913	209.8	.354				
150	10.51		33.94						150	10.51	33.94		26.058	196.1	.405				
200	9.54		34.08						200	9.54	34.08		26.332	170.1	.498				
250	8.03		34.21						250	8.03	34.21		26.516	152.6	.581				
300	6.05		34.40						300	6.05	34.40		26.661	138.8	.657				
400	7.75		34.39						400	7.75	34.39		26.847	121.2	.793				
500	6.72		34.41						500	6.72	34.41		26.987	107.9	.915				



## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

120050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 32.5N		115 53.0W		C3/01/69	1757 GMT		3832M	300	10KT	2	330 04 08				
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.06	33.766	5.80	.31	2.	.00	.1	315.1	0	16.06		5.80			
10	16.05	33.765	6.38	.31	2.	.00	.0	315.0	10	16.05		6.38			
29	16.05		6.07	.28	2.	.00	.3		20	16.05		6.22			
58	15.23		6.00	.34	3.	.07	.3		30	16.02		6.07			
68	14.15	33.610	5.17	.68	0.	.11	5.1	286.8	50	15.46		6.02			
83	12.77		4.47	1.05	11.	.04	10.2		75	13.46		4.79			
97	11.82		3.55	1.36	15.	.24	14.6		100	11.62		3.96			
112	10.97		4.03	1.42	17.	.08	16.5		125	10.88		3.49			
136	10.80		2.59	1.90	25.	.05	23.6		150	10.42		2.93			
157	10.23		2.90	1.96	28.	.02	24.3		200	9.73		2.48			
186	9.97		2.60	2.18	32.	.01	26.5		250	9.04		1.94			
215	9.45		2.35	2.26	36.	.03	28.0		300	9.00		.85			
245	9.03		2.06	2.38	41.	.06	29.5		400	7.96		.38			
294	9.14		.92	2.72	47.	.03	31.6		500	6.97		.30			
348	8.43		.57	2.83	53.	.00	34.1								
431	7.70		.32	2.97	62.	.02	36.2								
515	6.81	34.420	.29	3.00	72.	.02	40.3	105.8							
599	6.09	34.402	.26	3.06	80.	.01	42.1	98.1							

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

120055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 23.0N		116 12.0W		C3/C6/69	C439 GMT		3738M	360	16KT	0	300 10 06				
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.47	33.67							0	15.47	33.67		24.865	309.5	0
10	15.47	33.67							10	15.47	33.67		24.865	309.5	.031
20	15.48	33.67							20	15.48	33.67		24.863	309.7	.062
30	15.47	33.67							30	15.47	33.67		24.865	309.5	.093
50	15.46	33.67							50	15.46	33.67		24.867	309.3	.155
75	15.35	33.67							75	15.35	33.67		24.883	307.8	.233
100	11.94	33.45							100	11.94	33.45		25.419	256.8	.304
125	11.30	33.76							125	11.30	33.76		25.777	222.7	.364
150	10.61	33.95							150	10.61	33.95		26.048	197.0	.418
200	10.08	34.24							200	10.08	34.24		26.166	166.9	.511
250	10.09	34.40							250	10.09	34.40		26.489	155.2	.593
300	9.26	34.41							300	9.26	34.41		26.635	141.3	.670
400	7.77	34.37							400	7.77	34.37		26.834	122.4	.809
500	6.75	34.37							500	6.75	34.37		26.978	108.7	.931

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

120055

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 23.0N		116 12.0W		03/06/69	1551 GMT		3738M	330	16KT	1	330 05 05				
Z	T	S	O2	PC4	SIC3	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.40	33.673	5.73	.48	3.	.00	.0	307.8	0	15.40		5.73			
10	15.40	33.669	5.77	.36	3.	.00	.0	308.1	10	15.40		5.77			
38	15.42		5.77	.34	4.	.00	.0		20	15.41		5.77			
62	15.39		5.77	.36	4.	.00	.0		30	15.42		5.77			
81	13.62	33.599	4.65	.86	10.	.02	7.8	277.2	50	15.40		5.77			
94	12.84		3.72	1.33	16.	.00	15.3		75	14.22		5.07			
108	12.28		3.65	1.41	18.	.00	17.0		100	12.58		3.69			
128	11.41		3.08	1.99	25.	.00	22.2		125	11.54		3.17			
146	10.72		2.94	2.11	28.	.00	25.6		150	10.67		2.80			
169	10.54		2.13	2.33	36.	.00	30.4		200	10.11		1.86			
191	10.15		2.06	2.37	38.	.00	30.8		250	9.62		1.24			
214	10.08		1.52		43.	.00	32.8		300	9.14		.72			
241	9.73		1.32	2.53	45.	.00	33.8		400	7.79		.45			
273	9.37		1.01	2.87	49.	.00	35.1		500	6.69		.28			
318	8.97		.56	3.28U	79.U	.00	41.3U								
378	8.09	34.382	.50	3.02	55.	.00	36.1	126.0							
448	7.19	34.373	.34	3.08	62.	.00	38.7	114.3							
527	6.49		.26	3.38	86.	.00	42.6								

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

120060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
27 14.0N		116 27.5W		C3/C1/69	2150 GMT		3832M	350	16KT	1	330 06 08				
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									C	17.52	33.95		24.606	334.2	0
									10	17.50	33.95		24.610	333.8	.033
									20	17.47	33.95		24.618	333.1	.067
									30	17.43	33.95		24.627	332.2	.100
									50	17.41	33.95		24.632	331.7	.167
									75	17.40	33.95		24.634	331.5	.250
									100	14.31	33.45		24.947	301.7	.330
									125	12.09	33.66		25.553	244.1	.399
									150	11.05	33.86		25.900	211.1	.457
									200	10.25	34.18		26.290	174.1	.555
									250	9.77	34.30		26.465	157.4	.640
									300	9.12	34.36		26.619	142.8	.718
									400	8.12	34.41		26.814	124.3	.858
									500	7.17	34.42		26.960	110.5	.983

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

120C60

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 14.0N		116 27.5W		C3/C1/69		2221 GMT			3832M		350		17KT		1		330 06 08	
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
0	17.51	33.960	5.57	.28	2.	.C0	.0	333.3	0	17.51		5.57						
10	17.53	33.953	5.63	.28	2.	.C3	.1	334.2	10	17.53		5.63						
44	17.42		5.50	.45	2.	.C1	.4		20	17.51		5.74						
74	17.42		5.53	.31	2.	.04	.1		30	17.47		5.83						
94	15.02	33.671	5.23	.51	4.	.14	2.5	300.0	50	17.42		5.85						
109	13.06		4.74	.82	6.	.C5	7.1		75	17.32		5.52						
124	12.14		3.80	1.33	15.	.12	14.1		100	14.18		5.07						
143	11.29		3.26	1.61	20.	.07	18.7		125	12.09		3.76						
164	10.68		2.87	1.84	26.	.C2	21.8		150	11.05		3.12						
193	10.35		2.30	2.18	32.	.C9	25.2		200	10.34		2.15						
219	10.30		1.80	2.25	35.	.16	26.5		250	9.84		1.51						
243	9.95		1.66	2.32	37.	.18	27.5		300	9.11		.86						
277	9.43		.93	2.58	43.	.C5	30.2		400	7.93		.51						
317	8.87		.80	2.72	49.	.C3	31.7		500	7.25		.24						
366	8.14		.68	2.80	55.	.12	33.9		600	6.36		.17						
495	7.78		.33	2.94	61.	.C3	35.0											
519	7.08	34.438	.23	3.06	69.	.C4	38.5	108.0										
601	6.35	34.440	.17	3.11	78.	.C2	41.2	98.4										

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

120C70

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 53.0N		117 10.0W		C3/C2/69		C310 GMT			3738M		360		18KT		2			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									0	17.58	33.99		24.622	332.7	0			
									10	17.57	33.99		24.624	332.5	.033			
									20	17.54	33.98		24.624	332.5	.067			
									30	17.47	33.96		24.625	332.4	.100			
									50	17.31	33.95		24.656	329.4	.166			
									75	17.35	34.03		24.707	324.5	.249			
									100	14.15	33.45		24.972	299.3	.327			
									125	11.64	33.76		25.715	228.7	.394			
									150	11.12	33.92		25.934	207.8	.449			
									200	10.07	34.14		26.290	174.1	.547			
									250	9.48	34.23		26.459	158.0	.632			
									300	8.31	34.20		26.621	142.7	.710			
									400	7.41	34.27		26.808	124.9	.849			
									500	6.56	34.32		26.965	110.0	.974			

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

120C70

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 53.0N		117 10.0W		C3/C2/69		C350 GMT			3738M		360		18KT		1			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
0	17.57	33.987	5.71	.28	2.	.C0	.0	332.7	0	17.57		5.71						
10	17.58	33.985	5.61	.28	2.	.C0	.0	333.1	10	17.58		5.61						
39	17.34		5.65	.28	2.	.C0	.0		20	17.50		5.62						
63	17.35		5.57	.28	1.	.C0	.1		30	17.42		5.65						
83	16.60	33.901	5.43	.37	2.	.C8	.5	317.1	50	17.34		5.65						
98	13.30		4.86	.74	7.	.C8	6.0		75	16.90		5.49						
113	12.04		3.94	1.25	13.	.C4	14.1		100	13.05		4.74						
132	11.45		3.10	1.70	20.	.C1	20.2		125	11.60		3.36						
153	10.74		2.75	1.92	26.	.C4	23.5		150	10.84		2.81						
177	10.23		2.73	2.04	28.	.C4	25.0		200	9.95		2.34						
203	9.92		2.28	2.21	33.	.C4	27.1		250	9.26		1.58						
226	9.70		1.83	2.35	36.	.C5	28.9		300	8.11		1.45						
256	9.12		1.55	2.49	42.	.C6	31.7		400	7.23		.74						
292	8.21		1.52	2.55	48.	.C5	33.1		500	6.50		.33						
340	7.80		1.02	2.72	53.	.C5	35.4											
405	7.18		.72	2.85	61.	.C3	38.4											
479	6.61	34.325	.40	3.00	70.	.C3	40.9	110.3										
556	6.31	34.408	.21	3.06	76.	.C4	42.2	100.3										

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

120C70

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 53.0N		117 10.0W		C3/C7/69		C527 GMT			3926M		310		12KT		2		330 06 04	
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									0	17.10	34.01		24.752	320.3	0			
									10	17.11	34.01		24.749	320.5	.032			
									20	17.11	34.02		24.757	319.8	.064			
									30	17.05	34.01		24.754	320.1	.096			
									50	17.04	33.99		24.751	320.4	.160			
									75	16.85	33.96		24.772	318.3	.241			
									100	17.03	33.64		25.355	262.9	.314			
									125	12.20	33.87		25.695	230.6	.376			
									150	11.14	33.94		25.946	206.7	.432			
									200	10.28	34.26		26.347	168.6	.528			
									250	9.65	34.35		26.524	151.8	.610			
									300	8.97	34.36		26.643	140.6	.686			
									400	7.25	34.30		26.854	120.5	.823			
									500	6.55	34.39		27.021	104.7	.942			



## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

120070

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			BOTTOM	WIND		SPEED		WEATHER		DOMINANT WAVES		
26 53.0N		117 10.0W		C3/C7/69			1541 GMT			3926M	320		20KT		2		330 12 10		
Z	T	S	C2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
0	17.01	33.954	5.46	.44	2.	.C0	.0	322.4	0	17.01		5.46							
10	17.00	33.953	5.43	.32	2.	.C0	.1	322.2	10	17.00		5.43							
29	17.00		5.54	.32	2.	.C0	.3		20	17.00		5.48							
53	16.99		5.51	.40	2.	.C0	.4		30	17.00		5.54							
63	16.99		5.55	.50	2.	.C0	.5		50	16.99		5.51							
72	16.74		5.48	.38	2.	.C1	.5		75	16.39		5.43							
86	14.85	33.662	5.18	.46	5.	.17	3.2	297.2	100	13.37		4.88							
101	13.28		4.85	.82	8.	.43	6.1		125	11.70		3.67							
124	11.73		3.73	1.25	18.	.C1	19.6		150	11.11		2.66							
143	11.27		2.68	1.95	27.	.C3	27.4		200	10.44		2.05							
167	10.78		2.60	2.05	30.	.C7	28.8		250	9.59		1.56							
196	10.54		2.10	2.15	34.	.C1	32.0		300	8.79		1.27							
225	9.78			2.25	37.	.C0	33.5		400	7.45		.69							
263	9.52		1.48	2.75	43.	.C0	36.0		500	6.75		.33							
321	8.33		1.17	2.65	54.	.C0	38.7												
394	7.54	34.250	.72	2.95	64.	.C0	42.1	125.2											
468	6.96	34.330	.41	3.22	75.	.C0	44.0	114.4											
547	6.49		.26	3.52	85.	.C0	45.2												

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

120080

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			BOTTOM	WIND		SPEED		WEATHER		DOMINANT WAVES		
26 32.5N		117 47.5W		C3/C2/69			0753 GMT			4022M	300		20KT		1		320 08 08		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
									0	17.00	33.91		24.699	325.3	0				
									10	17.00	33.91		24.699	325.3	.033				
									20	17.00	33.91		24.699	325.3	.065				
									30	16.95	33.91		24.701	325.1	.098				
									50	16.94	33.90		24.705	324.7	.163				
									75	16.61	33.82		24.721	323.2	.244				
									100	12.63	33.50		25.326	265.7	.319				
									125	11.71	33.65		25.617	238.0	.382				
									150	11.28	33.84		25.843	216.5	.440				
									200	10.27	34.17		26.279	175.1	.540				
									250	9.60	34.23		26.439	159.9	.626				
									300	9.20	34.34		26.590	145.6	.705				
									400	8.17	34.39		26.790	126.5	.848				
									500	7.25	34.40		26.933	113.0	.975				

## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

120080

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			BOTTOM	WIND		SPEED		WEATHER		DOMINANT WAVES		
26 32.5N		117 47.5W		C3/C2/69			0830 GMT			4022M	300		20KT		1		320 08 08		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
1	17.00	33.912	5.89	.28	2.	.C3	.0	325.2	0	17.00		5.89							
11	17.01	33.911	5.74	.31	2.	.C4	.0	325.5	10	17.01		5.75							
31	17.02		5.95	.31	2.	.C3	.0		20	17.01		5.81							
60	16.87		5.75	.31	2.	.C3	.0		30	17.02		5.93							
70	16.80	33.872	5.76	.28	2.	.C3	.0	323.6	50	16.94		5.83							
85	15.55		5.41	.48	4.	.C6	1.5		75	16.52		5.65							
101	13.03		5.32	.62	6.	.10	4.4		100	13.18		5.33							
116	12.01		4.88	1.02	11.	.11	10.0		125	11.75		4.47							
141	11.50		3.69	1.30	17.	.09	14.1		150	11.28		3.30							
160	11.02		2.54	1.81	25.	.05	20.3		200	10.13		2.52							
189	10.29		2.56	2.04	33.	1.05	22.6		250	9.61		1.93							
219	9.93		2.43	1.98	34.	.94	22.1		300	9.24		1.01							
249	9.62		1.95	2.35	38.	.08	28.4		400	8.13		.47							
298	9.26		1.03	2.63	46.	.05	31.3		500	7.22		.33							
351	8.65		.61	2.75	53.	.98	30.8		600	6.31		.25							
436	7.78		.43	2.89	62.	.09	36.3												
520	7.05	34.417	.31	3.00	71.	.06	39.1	109.1											
604	6.27	34.419	.25	3.00	81.	.18	40.9	99.0											

## RV ALEXANDER AGASSIZ

## CALCOFI CRUISE 6902

120090

LATITUDE		LONGITUDE		MC/DAY/YR			MESSENGER TIME			BOTTOM	WIND		SPEED		WEATHER		DOMINANT WAVES		
26 13.0N		118 27.0W		C3/08/69			0512 GMT			4117M	330		10KT		2		300 06 06		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD				
									0	16.46	33.83		24.764	319.2	0				
									10	16.46	33.82		24.756	319.9	.032				
									20	16.47	33.83		24.761	319.4	.064				
									30	16.47	33.82		24.754	320.1	.096				
									50	16.47	33.83		24.761	319.4	.160				
									75	16.48	33.83		24.759	319.6	.241				
									100	14.46	33.63		25.053	291.6	.318				
									125	13.15	33.73		25.401	258.6	.387				
									150	11.27	33.74		25.767	223.7	.448				
									200	9.66	34.06		26.296	173.4	.549				
									250	8.77	34.16		26.518	152.4	.633				
									300	8.03	34.20		26.663	138.7	.708				
									400	7.33	34.33		26.867	119.3	.843				
									500	6.69	34.42		27.026	104.2	.962				

## RV ALEXANDER AGASSIZ

## CALCIFI CRUISE 6902

120090

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 13.0N		118 27.0W		03/08/69		1542 GMT		4022M		010		08KT		2		010 06 06	
Z	T	S	DZ	PC4	SIC3	NC2	NC3	BT	Z	T	S	DZ	SIGT	DT	DD		
0	16.50	23.761	5.57	.36	2.	.02		323.6	0	16.50		5.57					
9	16.49	23.761	5.63	.30	1.	.01		323.4	10	16.49		5.63					
38	16.50		5.62	.32	1.	.00			20	16.49		5.63					
63	16.51		5.60	.30	2.	.00			30	16.50		5.62					
84	16.44		5.60	.32	2.	.00			50	16.50		5.61					
99	13.50	23.604	5.48	.46	4.	.06		274.5	75	16.47		5.60					
113	13.10		5.26	.48	5.	.05			100	13.47		5.47					
133	12.00		4.87	.82	10.	.07			125	12.48		5.05					
153	10.85		4.19	1.27	18.	.00			150	11.01		4.31					
177	10.02		3.15	1.87	28.	.01			208	9.70		3.11					
203	9.67		3.11	1.87	31.	.00			250	8.71		2.79					
226	9.20		3.04	1.55	38.	.01			300	8.55		1.53					
256	8.61		2.69	2.21	41.	.01			400	7.44		.64					
290	8.57		1.72	2.57	44.	.01			500	6.73		.31					
339	8.34		1.00	2.57	54.	.00											
402	7.41	24.305	.63	3.10	67.	.00		172.3									
475	6.94	24.369	.32	3.32	74.	.00		111.3									
552	6.21		.29	3.40	90.	.01											

## RV DAVID STARR JORDAN

## CALCIFI CRUISE 6902

123037

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 24.0N		114 40.0W		03/03/69		0547 GMT		71M		310		10KT		1		320 08 08	
Z	T	S	DZ	PC4	SIC3	NC2	NC3	BT	Z	T	S	DZ	SIGT	DT	DD		
									0	14.81	33.83		25.175	280.0	0		
									10	14.57	33.83		25.184	279.2	.028		
									20	13.93	33.85		25.334	264.9	.055		
									30	12.85	33.74		25.468	252.2	.081		
									50	12.18	34.02		25.814	219.2	.128		

## RV DAVID STARR JORDAN

## CALCIFI CRUISE 6902

123042

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
27 14.0N		114 55.0W		03/03/69		0318 GMT		1577M		330		20KT		1		320 10 08	
Z	T	S	DZ	PC4	SIC3	NC2	NC3	BT	Z	T	S	DZ	SIGT	DT	DD		
									0	15.65	33.74		24.870	309.1	0		
									10	15.65	33.74		24.870	309.1	.031		
									20	15.65	33.74		24.870	309.1	.062		
									30	15.54	33.76		24.919	304.4	.093		
									50	15.48	33.77		24.940	302.4	.154		
									75	13.30	33.68		25.332	265.1	.225		
									100	11.47	33.72		25.715	228.6	.287		
									125	10.56	33.83		25.964	205.0	.342		
									150	10.06	34.05		26.221	180.6	.391		
									200	10.30	34.34		26.406	163.1	.479		
									250	9.48	34.36		26.560	148.4	.559		
									300	8.90	34.38		26.669	138.0	.633		
									400	8.12	34.42		26.822	123.6	.770		
									500	7.07	34.40		26.958	110.7	.895		

## RV DAVID STARR JORDAN

## CALCIFI CRUISE 6902

123050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 57.5N		115 25.5W		03/02/69		2254 GMT		3642M		340		12KT		1		330 06 04	
Z	T	S	DZ	PC4	SIC3	NC2	NC3	BT	Z	T	S	DZ	SIGT	DT	DD		
									0	16.35	33.80		24.766	318.9	0		
									10	16.35	33.80		24.766	318.9	.032		
									20	16.34	33.80		24.768	318.7	.064		
									30	16.25	33.80		24.780	317.6	.096		
									50	16.25	33.80		24.789	316.8	.159		
									75	16.24	33.80		24.791	316.5	.239		
									100	13.56	33.54		25.171	280.4	.314		
									125	12.26	33.73		25.575	242.0	.380		
									150	11.28	33.94		25.921	209.1	.437		
									200	10.18	34.23		26.341	169.2	.534		
									250	9.90	34.35		26.459	154.2	.617		
									300	9.22	34.36		26.602	144.4	.695		
									400	7.94	34.34		26.825	123.3	.835		
									500	7.05	34.39		26.953	111.1	.960		



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

123061

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 44.5N		116 15.5W		C3/02/69	1747 GMT				3832M	360	2CKT	2	350 08 05		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.32	33.94											24.646	330.4	0
10	17.31	33.94											24.648	330.2	.033
20	17.32	33.94											24.646	330.4	.066
30	17.32	33.94											24.646	330.4	.099
50	17.32	33.94											24.646	330.4	.166
75	17.32	33.94											24.646	330.4	.249
100	16.57	33.81											24.723	323.1	.331
125	12.62	33.52											25.343	264.0	.405
150	11.50	33.71											25.702	229.9	.468
200	10.55	34.12											26.191	183.4	.573
250	9.77	34.26											26.434	160.4	.661
300	9.23	34.40											26.632	141.6	.740
400	8.47	34.44											26.784	127.2	.881
500	7.44	34.43											26.929	113.4	1.009

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

127034

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 55.0N		114 06.5W		C3/C3/69	1116 GMT				84M	100	07KT	1			
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.87	33.86											24.921	304.2	0
10	15.87	33.86											24.921	304.2	.030
20	15.85	33.85											24.918	304.5	.061
30	15.64	33.82											24.942	302.2	.091
50	12.93	33.67											25.398	258.8	.148
75	12.50	34.26											25.938	207.4	.206

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

127040

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 43.5N		114 29.0W		C3/C3/69	1351 GMT				3358M	320	08KT	1	300 08 08		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.49	33.71											24.891	307.0	0
10	15.47	33.71											24.896	306.6	.031
20	15.47	33.71											24.896	306.6	.061
30	15.45	33.71											24.900	306.2	.092
50	15.28	33.71											24.938	302.6	.153
75	12.90	33.73											25.450	253.8	.223
100	11.83	33.99											25.858	215.1	.282
125	12.15	34.28											26.021	199.5	.335
150	11.82	34.45											26.216	181.1	.383
200	10.99	34.55											26.447	159.2	.470
250	10.44	34.55											26.545	149.9	.550
300	9.62	34.52											26.661	138.8	.625
400	8.03	34.42											26.835	122.3	.763
500	7.04	34.41											26.970	109.5	.886

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

127050

LATITUDE		LONGITUDE		MC/DAY/YR	MESSENGER TIME				BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 23.0N		115 08.0W		C3/C3/69	1854 GMT				3642M	320	24KT	2	290 10 10		
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.37	33.80											24.761	319.4	0
10	16.37	33.80											24.761	319.4	.032
20	16.37	33.80											24.761	319.4	.064
30	16.37	33.80											24.761	319.4	.096
50	16.36	33.80											24.764	319.2	.160
75	16.30	33.79											24.770	318.6	.240
100	12.65	33.59											25.391	259.4	.313
125	11.61	33.83											25.775	223.0	.374
150	11.45	34.07											25.990	202.5	.428
200	9.67	34.19											26.396	164.0	.522
250	9.41	34.28											26.509	153.2	.603
300	9.68	34.47											26.612	143.4	.680
400	8.50	34.44											26.779	127.6	.822
500	7.13	34.40											26.950	111.4	.950

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

127060

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 03.5N		115 46.5W		C3/C3/69		2328 GMT		3926M		340		22KT		2		330 10 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.66	34.19		24.755	320.0	0		
									10	17.66	34.19		24.755	320.0	.032		
									20	17.66	34.19		24.755	320.0	.064		
									30	17.67	34.19		24.753	320.2	.096		
									50	17.61	34.17		24.752	320.3	.160		
									75	15.29	33.65		24.889	307.2	.239		
									100	13.37	33.84		25.441	254.7	.310		
									125	12.44	33.97		25.726	227.6	.371		
									150	12.06	34.25		26.015	200.1	.426		
									200	11.27	34.46		26.326	170.6	.520		
									250	10.60	34.50		26.478	156.2	.605		
									300	9.90	34.47		26.575	146.9	.683		
									400	8.54	34.47		26.796	126.0	.827		
									500	7.24	34.42		26.950	111.4	.953		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

130030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 29.0N		113 29.0W		C3/C4/69		2200 GMT		80M		280		20KT		2		290 05 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	14.65	33.82		25.159	281.5	0		
									10	14.65	33.82		25.159	281.5	.028		
									20	14.65	33.82		25.159	281.5	.056		
									30	14.52	33.80		25.171	280.4	.085		
									50	13.13	33.96		25.582	241.3	.137		
									75	12.56	34.27		25.934	207.8	.193		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

130030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 29.0N		113 29.0W		C3/C4/69		2232 GMT		80M		280		20KT		1		290 05 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	14.66			5.33				
									10	14.65			5.31				
									20	14.58			5.31				
									30	14.05			4.40				
									50	12.95			2.53				

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

130040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 08.0N		114 06.5W		C3/C4/69		1520 GMT		2378M		340		24KT		2		340 08 04	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	15.50	33.79		24.950	301.4	0		
									10	15.50	33.79		24.950	301.4	.030		
									20	15.45	33.79		24.953	301.2	.060		
									30	15.45	33.79		24.953	301.2	.091		
									50	15.41	33.79		24.970	299.5	.151		
									75	13.67	33.72		25.288	269.3	.222		
									100	11.65	33.81		25.744	225.9	.285		
									125	11.62	34.12		25.998	201.8	.339		
									150	11.02	34.16		26.138	188.4	.388		
									200	10.76	34.39		26.364	167.0	.479		
									250	10.32	34.46		26.496	154.5	.562		
									300	9.81	34.50		26.614	143.3	.640		
									400	8.56	34.49		26.809	124.8	.781		
									500	7.21	34.45		26.978	108.8	.905		



## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

130040

LATITUDE		LONGITUDE		PC/DAY/YR		MESSENGER TIME			BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 08.0N		114 06.5W		C3/04/69		1617 GMT			2378M		340		24KT		2		340 08 04	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
0	15.52	33.787	5.87	.42	4.	.06	.3	302.0	C	15.52		5.87						
9	15.54	33.786	5.83	.42	4.	.06	.3	302.5	10	15.54		5.83						
28	15.53		5.90	.40	4.	.15	.2		20	15.53		5.87						
37	15.52		5.75	.37	4.	.05	.1		30	15.53		5.87						
50	15.32	33.786	5.68	.51	5.	.22	.9	297.9	50	15.32		5.68						
64	15.02		5.52	.51	6.	.19	1.6		75	14.19		4.81						
87	13.04		4.02	1.08	13.	.10	9.3		100	11.83		3.94						
105	11.49		3.88	1.36	16.	.07	15.1		125	11.71		2.34						
124	11.73		2.35	2.01	26.	.09	22.6		150	11.05		2.09						
143	11.20		2.23	2.09	28.	.09	24.0		200	10.89		.99						
171	10.91		1.59	2.38	33.	.08	27.3		250	10.26		.69						
205	10.89		.91	2.58	38.	.08	28.6		300	9.72		.41						
234	10.46		.80	2.63	41.	.09	29.4		400	8.42		.28						
283	9.90		.46	2.75	45.	.07	30.3		500	7.21		.19						
337	9.32		.35	2.86	49.	.09	31.5											
422	8.10		.26	2.85	60.	.27	34.4											
506	7.15	34.441	.19	2.97	70.	.11	38.5	108.7										
590	6.50	34.442	.17	3.00	78.	.08	40.9	100.2										

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

130050

LATITUDE		LONGITUDE		PC/DAY/YR		MESSENGER TIME			BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 49.0N		114 45.0W		C3/04/69		0924 GMT			3642M		340		22KT		1		330 10 06	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									C	17.94	34.23		24.718	323.6	0			
									10	17.94	34.23		24.718	323.6	.032			
									20	17.95	34.23		24.715	323.8	.065			
									30	17.95	34.23		24.715	323.8	.097			
									50	17.95	34.23		24.715	323.8	.162			
									75	17.57	34.12		24.723	323.0	.244			
									100	14.55	33.82		25.180	279.5	.320			
									125	12.80	33.94		25.632	236.5	.385			
									150	11.89	34.21		26.017	200.0	.440			
									200	11.12	34.47		26.361	167.3	.534			
									250	10.46	34.53		26.526	151.7	.616			
									300	9.85	34.54		26.632	141.6	.693			
									400	8.64	34.50		26.804	125.2	.833			
									500	7.17	34.42		26.960	110.5	.959			

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

130050

LATITUDE		LONGITUDE		PC/DAY/YR		MESSENGER TIME			BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 49.0N		114 45.0W		C3/04/69		1000 GMT			3642M		340		22KT		1		340 10 06	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
1	17.93	34.218	5.49	.37	C.	.03	.0	324.2	C	17.93		5.49						
11	17.94	34.218	5.49	.34	0.	.02	.0	324.4	10	17.94		5.49						
30	17.94		5.64	.34	C.	.00	.0		20	17.94		5.56						
60	17.95		5.43	.31	0.	.01	.0		30	17.94		5.64						
70	17.93	34.211	5.49	.31	C.	.00	.0	324.7	50	17.95		5.50						
85	16.91		5.23	.42	3.	.22	.8		75	17.72		5.40						
99	14.91		4.14	.75	8.	.25	6.2		100	14.80		4.10						
114	13.45		3.67	1.15	12.	.07	12.1		125	12.51		3.50						
138	11.81		3.12	1.53	19.	.90	16.9		150	11.91		2.15						
158	12.06		1.50	2.25	29.	.12	25.7		200	11.00		.86						
187	11.25		.59	2.46	34.	.14	28.2		250	10.45		.43						
217	10.75		.72	2.55	38.	.30	28.9		300	9.91		.25						
247	10.48		.45	2.69	41.	.04	30.0		400	8.43		.21						
296	9.96		.26	2.75	45.	.00	30.5		500	7.13		.20						
350	9.20		.20	2.83	50.	.06	31.3		600	6.38		.18						
433	7.94		.22	2.85	60.	.01	35.7											
517	6.96	34.431	.19	2.54	70.	.06	39.7	106.9										
602	6.37	34.442	.18	3.03	77.	.02	41.7	98.5										

## RV DAVID STARR JORDAN

## CALCCFI CRUISE 6902

130060

LATITUDE		LONGITUDE		PC/DAY/YR		MESSENGER TIME			BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 29.0N		115 24.5W		C3/04/69		0335 GMT			3926M		340		22KT		1		330 10 06	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
									0	17.53	34.12		24.733	322.1	0			
									10	17.54	34.12		24.731	322.3	.032			
									20	17.54	34.12		24.731	322.3	.065			
									30	17.55	34.12		24.728	322.5	.097			
									50	17.56	34.12		24.726	322.8	.162			
									75	17.45	34.11		24.735	321.9	.243			
									100	14.31	33.77		25.193	278.3	.318			
									125	12.35	34.03		25.790	221.6	.382			
									150	11.75	34.23		26.051	196.7	.435			
									200	10.55	34.34		26.362	167.2	.528			
									250	10.11	34.42		26.501	154.0	.610			
									300	9.59	34.46		26.620	142.7	.688			
									400	8.46	34.46		26.801	125.6	.828			
									500	7.23	34.43		26.959	110.5	.954			

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

130060

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 29.0N		115 24.5W		C3/C4/69		C446 GMT		3642M		340		22KT		1		33C 10 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0	17.55	34.122	5.63	.34	1.	.00	.0	322.4	0	17.55			5.63				
10	17.57	34.121	5.63	.31	1.	.00	.0	322.9	10	17.57			5.63				
29	17.56		5.65	.34	1.	.00	.0		20	17.56			5.64				
57	17.58		5.57	.34	1.	.00	.0		30	17.56			5.65				
67	17.57	34.134	5.60	.34	1.	.00	.0	322.0	50	17.58			5.58				
82	15.11		4.67	.76	7.	.06	4.8		75	16.35			5.14				
96	14.07		4.27	1.08	10.	.04	8.9		100	13.76			4.02				
111	13.01		3.28	1.53	16.	.00	15.5		125	12.48			2.60				
135	12.23		2.26	2.07	25.	.01	27.1		150	11.82			1.98				
154	11.71		1.95	2.26	30.	.00	25.0		200	10.49			1.79				
184	10.66		2.13	2.26	31.	.00	25.3		250	10.01			1.04				
213	10.42		1.45	2.52	36.	.01	28.1		300	9.54			.62				
243	10.08		1.11	2.60	40.	.00	29.0		400	8.48			.30				
292	9.61		.67	2.75	44.	.00	30.4		500	7.30			.19				
348	9.10		.41	2.80	50.	.01	31.7										
431	8.09		.26	2.97	59.	.01	34.8										
515	7.14	34.439	.18	3.03	64.	.01	38.0	108.7									
599	6.40	34.451	.18	2.97	78.	.00	40.3	98.2									

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

133025

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
26 04.5N		112 48.0W		C3/C5/69		C454 GMT		86M		340		24KT		1		300 08 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	16.16	33.93		24.909	305.3	0		
									10	16.16	33.93		24.909	305.3	.031		
									20	16.16	33.93		24.909	305.3	.061		
									30	16.12	33.93		24.918	304.5	.092		
									50	15.04	33.85		25.098	287.4	.151		
									75	13.41	33.97		25.523	245.9	.218		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

133030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 54.5N		113 07.5W		C3/C5/69		C723 GMT		205M		320		14KT		1			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	15.92	33.91		24.948	301.6	0		
									10	15.94	33.91		24.944	302.0	.030		
									20	15.94	33.91		24.944	302.0	.060		
									30	15.94	33.91		24.944	302.0	.091		
									50	15.93	33.91		24.946	301.8	.151		
									75	13.68	33.87		25.401	258.5	.222		
									100	12.67	34.21		25.866	214.3	.281		
									125	12.21	34.34		26.056	196.2	.333		
									150	11.96	34.52		26.244	178.5	.381		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

133040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTCM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 34.0N		113 45.0W		C3/C5/69		1210 GMT		2509M		300		18KT		1		300 08 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.61	34.19		24.767	318.8	0		
									10	17.63	34.19		24.762	319.3	.032		
									20	17.63	34.19		24.762	319.3	.064		
									30	17.63	34.19		24.762	319.3	.096		
									50	17.64	34.19		24.760	319.5	.160		
									75	17.62	34.19		24.765	319.1	.240		
									100	14.03	33.72		25.213	276.4	.315		
									125	12.81	33.99		25.669	233.0	.380		
									150	12.22	34.24		25.977	203.8	.435		
									200	11.45	34.50		26.324	170.8	.531		
									250	10.95	34.57		26.469	157.0	.616		
									300	10.28	34.56		26.580	146.5	.695		
									400	8.67	34.47		26.776	127.9	.839		
									500	7.13	34.42		26.937	112.6	.967		



RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

133050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 18.0N		114 23.0W		C3/C5/69		1642 GMT		3546P		320		17KT		1		320 08 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD		
0	17.74	34.23											24.766	318.9	0		
10	17.74	34.23											24.766	318.9	.032		
20	17.74	34.23											24.766	318.9	.064		
30	17.74	34.23											24.766	318.9	.096		
50	17.56	34.18											24.772	318.4	.160		
75	16.00	33.89											24.915	304.8	.238		
100	14.05	33.86											25.317	266.5	.310		
125	12.10	33.99											25.807	220.0	.372		
150	11.84	34.18											26.003	201.3	.425		
200	11.10	34.44											26.341	169.2	.520		
250	10.45	34.50											26.504	153.7	.603		
300	10.04	34.54											26.606	144.0	.681		
400	8.64	34.48											26.789	126.7	.823		
500	7.20	34.42											26.956	110.9	.950		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

133060

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
24 54.5N		115 02.0W		C3/C5/69		2122 GMT		4117M		330		13KT		1		330 06 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD		
0	18.30	34.30											24.682	326.9	0		
10	18.28	34.29											24.680	327.2	.033		
20	18.26	34.29											24.685	326.7	.065		
30	18.23	34.30											24.700	325.3	.098		
50	18.17	34.29											24.707	324.6	.163		
75	18.15	34.29											24.712	324.1	.245		
100	13.98	33.89											25.354	262.9	.319		
125	12.67	34.11											25.789	221.6	.380		
150	11.89	34.30											26.086	193.4	.433		
200	11.12	34.46											26.353	168.0	.525		
250	10.30	34.51											26.538	150.5	.608		
300	9.67	34.49											26.630	141.8	.684		
400	8.40	34.43											26.787	126.9	.825		
500	7.32	34.41											26.931	113.2	.953		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137023

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 34.0N		112 19.0W		C3/C6/69		2256 GMT		76M		300		12KT		2		320 04 05	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD		
0	16.64	34.12											24.944	302.0	0		
10	16.56	34.10											24.947	301.7	.030		
20	16.36	34.09											24.986	298.0	.060		
30	16.34	34.09											24.990	297.6	.090		
50	15.74	34.05											25.096	287.5	.149		
75	13.59	34.28											25.736	226.7	.214		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137023

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 34.0N		112 19.0W		C3/C6/69		2321 GMT		76M		300		12KT		1		320 04 05	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD		
0	16.58	34.092	5.46	.55	6.	.09	1.6	302.7	0	16.58	34.092	5.46	24.936	302.7	0		
11	16.50	34.088	5.47	.57	6.	.10	1.6	301.2	10	16.51	34.089	5.47	24.950	301.5	.030		
21	16.36	34.085	5.51	.57	6.	.10	1.6	298.4	20	16.37	34.085	5.51	24.979	298.7	.060		
30	16.33	34.085	5.33	.54	6.	.11	1.8	297.7	30	16.33	34.085	5.33	24.989	297.7	.090		
51	15.23	34.017	3.45	1.36	17.	.17	11.1	279.1	50	15.32	34.022	3.59	25.169	280.6	.148		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BCTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 21.5N		112 45.5W		C3/C6/69		1911 GMT		344M		290		12KT		1		320 04 05	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD		
0	16.44	34.04											24.929	303.4	0		
10	16.34	34.05											24.960	300.5	.030		
20	16.30	34.05											24.969	299.6	.060		
30	16.25	34.05											24.971	299.4	.090		
50	16.28	34.05											24.974	299.2	.150		
75	14.50	34.00											25.329	265.3	.221		
100	13.46	34.30											25.778	222.7	.283		
125	12.65	34.49											26.087	193.3	.336		
150	12.33	34.58											26.219	180.8	.383		
200	11.68	34.63											26.382	165.3	.472		
250	11.16	34.63											26.478	156.2	.555		
300	10.86	34.62											26.524	151.8	.635		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137030

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 21.5N		112 45.5W		C3/C6/69		1944 GMT			344M		290		12KT		1		320 04 05	
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
0	16.46	34.044	5.59	.48	5.	.09	1.0	303.6	0	16.46			5.59					
9	16.41	34.044	5.61	.48	5.	.12	.9	302.5	10	16.40			5.61					
28	16.30		5.67	.48	5.	.12	1.1		70	16.34			5.64					
42	16.25		5.53	.48	5.	.17	1.0		30	16.30			5.65					
55	16.27	34.041	5.63	.48	5.	.20	1.2	299.6	50	16.28			5.59					
69	14.04		3.20	1.33	15.	.15	12.6		75	13.63			2.69					
81	13.42		2.32	1.70	22.	.19	19.0		100	13.46			1.00					
101	13.46		.95	2.24	34.	.10	22.9		125	12.77			.89					
126	12.74		.85	2.41	34.	.46	24.8		150	12.32			.50					
151	12.31		.49	2.55	34.	.03	26.5		200	11.67			.54					
184	11.89		.79	2.60	43.	.10	25.7		250	11.05			.15					
218	11.42		.20	2.63	46.	.10	25.2											
251	11.04	34.620	.15	2.72	48.	.03	24.8	154.9										
288	10.25	34.618	.15	2.75	48.	.02	24.6	141.7										

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 01.0N		113 29.5W		C3/C6/69		1219 GMT			3738M		360		12KT		C		340 04 06	
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
0	17.91	34.27							0	17.91	34.27		24.755	320.0	0			
10	17.91	34.27							10	17.91	34.27		24.755	320.0	.032			
20	17.91	34.27							20	17.91	34.27		24.755	320.0	.064			
30	17.92	34.27							30	17.92	34.27		24.753	320.2	.096			
50	17.91	34.27							50	17.91	34.27		24.755	320.0	.160			
75	17.83	34.25							75	17.83	34.25		24.760	319.6	.241			
100	14.65	34.14							100	14.65	34.14		25.405	258.1	.314			
125	13.11	34.23							125	13.11	34.23		25.794	221.1	.374			
150	12.76	34.50							150	12.76	34.50		26.073	194.7	.427			
200	11.70	34.61							200	11.70	34.61		26.362	167.2	.520			
250	10.80	34.61							250	10.80	34.61		26.527	151.5	.602			
300	10.15	34.59							300	10.15	34.59		26.619	142.8	.679			
400	8.72	34.50							400	8.72	34.50		26.790	126.6	.821			
500	7.34	34.42							500	7.34	34.42		26.936	112.8	.948			

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137040

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 01.0N		113 29.5W		C3/C6/69		1323 GMT			3738M		360		12KT		C		340 04 06	
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
1	17.93	34.264	5.41	.37	2.	.06	.0	320.9	0	17.93			5.41					
11	17.95	34.262	5.35	.37	2.	.03	.0	321.5	10	17.95			5.39					
30	17.96		5.71	.40	2.	.10	.0		20	17.95			5.54					
60	17.95		5.37	.37	2.	.01	.0		10	17.96			5.71					
70	17.94	34.259	5.49	.34	2.	.05	.0	321.5	50	17.95			5.48					
85	17.42		5.09	.51	4.	.17	1.5		75	17.77			5.36					
100	14.93		3.05	1.13	17.	.08	5.5		100	14.93			3.05					
116	13.85		2.61	1.67	20.	.03	17.2		125	13.49			2.04					
140	13.09		1.13	2.32	32.	.04	23.0		150	12.86			.92					
159	12.67		.84	2.43	35.	.10	27.2		200	11.85			.53					
190	12.04		.59	2.55	38.	.07	28.8		250	10.90			.36					
220	11.58		.43	2.55	40.	.07	28.7		300	10.23			.26					
249	10.92		.36	2.63	42.	.09	25.1		400	8.74			.22					
259	10.25		.26	2.72	47.	.03	29.5		500	7.34			.23					
352	9.43		.23	2.75	52.	.09	30.9		600	6.32			.22					
437	8.22		.22	2.80	62.	.47	37.9											
521	7.07	34.438	.23	2.91	72.	.07	38.4	107.8										
603	6.30	34.430	.22	2.94	82.	.04	40.8	98.6										

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
24 43.0N		114 05.0W		C3/C6/69		0717 GMT			3926M		020		20KT		1		320 08 06	
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD			
0	18.76	34.38							0	18.76	34.38		24.628	332.1	0			
10	18.77	34.38							10	18.77	34.38		24.626	332.3	.033			
20	18.76	34.38							20	18.76	34.38		24.628	332.1	.067			
30	18.77	34.38							30	18.77	34.38		24.626	332.3	.100			
50	18.77	34.38							50	18.77	34.38		24.626	332.3	.167			
75	17.38	34.02							75	17.38	34.02		24.693	325.9	.249			
100	12.87	33.68							100	12.87	33.68		25.418	256.9	.323			
125	11.77	33.92							125	11.77	33.92		25.815	219.2	.383			
150	11.16	34.02							150	11.16	34.02		26.005	201.1	.436			
200	10.37	34.29							200	10.37	34.29		26.355	167.9	.531			
250	10.18	34.44							250	10.18	34.44		26.504	153.7	.613			
300	9.60	34.50							300	9.60	34.50		26.649	139.9	.690			
400	8.16	34.46							400	8.16	34.46		26.847	121.2	.827			
500	7.05	34.43							500	7.05	34.43		26.979	108.7	.949			



RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
24 43.0N		114 05.0W		03/06/69		0757 GMT		3926M	G20	17KT	1	320 08 06			
Z	T	S	C2	PC4	SIG3	NC2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	18.73	34.369	5.44	.31	1.	.00	.0	332.1	0	18.73		5.44			
11	18.74	34.369	5.45	.31	1.	.00	.0	332.4	10	18.74		5.45			
30	18.75		5.61	.31	1.	.00	.2		20	18.74		5.53			
59	18.49		5.39	.31	1.	.00	.0		30	18.75		5.61			
69	17.88	34.183	5.34	.34	2.	.00	.0	325.6	50	18.57		5.48			
84	13.78		4.78	.74	7.	.00	5.3		75	16.31		5.17			
98	12.36		3.59	1.10	14.	.07	11.5		100	12.24		3.93			
112	11.76		3.62	1.39	18.	.14	15.4		125	11.45		3.11			
136	11.26		2.74	1.64	25.	.19	18.2		150	10.93		2.63			
155	10.81		2.62	1.87	29.	.03	21.4		200	10.31		1.68			
184	10.27		2.26	1.84	34.	2.06	19.3		250	10.26		.53			
212	10.34		1.22	2.35	40.	1.85	24.9		300	9.55		.35			
241	10.34		.57	2.60	44.	.06	29.6		400	8.19		.21			
268	9.74		.38	2.69	49.	.00	30.9		500	7.04		.15			
341	8.91		.29	2.77	55.	.09	31.3								
424	7.93		.19	2.80	64.	.04	33.5								
507	6.96	34.443	.15	2.94	74.	.01	38.6	106.0							
591	6.22	34.448	.17	3.03	80.	.04	42.1	96.2							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
24 20.5N		114 40.0W		03/06/69		0252 GMT		3832M	340	17KT	1	320 08 06			
Z	T	S	C2	PC4	SIG3	NC2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	18.15	34.267	5.61	.31	1.	.01	.1	325.8	0	18.15		5.61			
10	18.16	34.266	5.55	.34	1.	.01	.2	326.1	10	18.16		5.55			
29	18.17		5.88	.34	1.	.01	.3		20	18.17		5.61			
57	18.13		5.45	.34	1.	.02	.2		30	18.17		5.68			
65	17.80	34.198	5.37	.37	2.	.05	.6	322.6	50	18.14		5.53			
80	13.65		4.37	.93	9.	.08	8.5		75	15.13		4.74			
94	12.39		3.82	1.30	15.	.08	14.8		100	12.01		3.78			
109	11.55		3.75	1.36	17.	.06	16.4		125	10.92		3.38			
132	10.74		3.14	1.73	25.	.16	21.9		150	10.65		2.35			
151	10.64		2.31	2.09	31.	.11	26.1		200	10.28		1.19			
180	10.41		1.48	2.38	37.	.15	29.0		250	9.94		.63			
209	10.23		1.09	2.46	41.	.16	30.2		300	9.25		.49			
237	10.07		.71	2.66	44.	.04	31.2		400	7.92		.29			
285	9.48		.53	2.75	48.	.05	32.4		500	7.05		.20			
338	8.67		.40	2.83	55.	.09	34.4								
419	7.73		.27	2.91	64.	.09	37.5								
500	7.05	34.477	.20	3.00	73.	.06	40.2	104.7							
580	6.39	34.477	.22	3.06	81.	.05	42.3	96.2							

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

					Z	T	S	C2	DT
40.038	01/26/69	1645GMT	41 47.0N	124 28.0W	10	9.57	31.843		336.4
		BOTTOM	155M	WIND					
				KT WEATHER					
				2					
				DOMINANT WAVES					
40.040	01/26/69	2010GMT	41 43.0N	124 38.0W	10	9.74	32.168		314.9
		BOTTOM	M	WIND					
				290 25KT WEATHER					
				2					
				DOMINANT WAVES					
				300 12					
40.045	01/27/69	0020GMT	41 33.0N	125 00.0W	10	9.99	32.660		282.4
		BOTTOM	1341M	WIND					
				290 25KT WEATHER					
				1					
				DOMINANT WAVES					
				300 15					
40.050	01/27/69	0330GMT	41 23.0N	125 23.0W	10	9.99	32.552		290.4
		BOTTOM	3163M	WIND					
				270 30KT WEATHER					
				2					
				DOMINANT WAVES					
				220 15					
40.055	01/27/69	0705GMT	41 13.0N	125 46.0W	10	10.28	32.596		291.8
		BOTTOM	3068M	WIND					
				250 30KT WEATHER					
				6					
				DOMINANT WAVES					
				320 15					
40.060	01/27/69	1038GMT	41 03.0N	126 08.0W	10	9.78	32.576		285.3
		BOTTOM	3163M	WIND					
				310 20KT WEATHER					
				1					
				DOMINANT WAVES					
				320 15					
40.070	01/27/69	1655GMT	40 43.0N	126 54.5W	10	10.11	32.460		299.1
		BOTTOM	3068M	WIND					
				300 35KT WEATHER					
				6					
				DOMINANT WAVES					
				320 18					
40.080	01/27/69	2127GMT	40 23.0N	127 40.0W	10	10.44	32.526		299.5
		BOTTOM	1479M	WIND					
				300 35KT WEATHER					
				6					
				DOMINANT WAVES					
				310 19					
40.090	01/28/69	0315GMT	40 03.0N	128 25.0W	10	10.75	32.561		302.0
		BOTTOM	4588M	WIND					
				320 40KT WEATHER					
				6					
				DOMINANT WAVES					
				320 20					
40.100	01/28/69	0900GMT	39 43.0N	129 10.0W	10	10.50	32.499		302.5
		BOTTOM	4493M	WIND					
				320 40KT WEATHER					
				7					
				DOMINANT WAVES					
				320 20					
40.120	01/28/69	2025GMT	39 03.0N	130 39.0W	10	12.92	33.020		306.5
		BOTTOM	4116M	WIND					
				350 40KT WEATHER					
				1					
				DOMINANT WAVES					
				350 22					
43.042	01/30/69	1515GMT	41 04.0N	124 20.0W	10	10.10	32.601		288.5
		BOTTOM	159M	WIND					
				300 20KT WEATHER					
				1					
				DOMINANT WAVES					
				300 12					
43.045	01/30/69	1310GMT	40 58.0N	124 34.5W	10	10.59	32.930		272.1
		BOTTOM	603M	WIND					
				300 25KT WEATHER					
				1					
				DOMINANT WAVES					
				300 14					



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

					Z	T	S	CZ	DT
43.050	01/30/69	0958GMT	40 48.ON	124 57.0W	10	10.37	32.717		284.3
		BOTTOM	2841M	WIND 30C 30KT WEATHER					
			DOMINANT WAVES	300 14					
43.055	01/30/69	0725GMT	40 38.ON	125 20.0W	10	9.76	32.596		283.5
		BOTTOM	2935M	WIND 270 25KT WEATHER 2					
			DOMINANT WAVES	300 16					
43.060	01/30/69	0508GMT	40 28.ON	125 43.0W	10	9.54	32.642		276.7
		BOTTOM	2973M	WIND 31C 35KT WEATHER 6					
			DOMINANT WAVES	300 18					
43.070	01/30/69	0038GMT	40 07.ON	126 28.0W	10	10.82	32.560		303.3
		BOTTOM	4318M	WIND 310 30KT WEATHER 1					
			DOMINANT WAVES	300 18					
43.080	01/29/69	2025GMT	39 48.ON	127 13.0W	10	10.94	32.496		310.0
		BOTTOM	4493M	WIND 30C 35KT WEATHER 6					
			DOMINANT WAVES	300 15					
43.090	01/29/69	1630GMT	39 28.ON	127 58.0W	10	10.34	32.594		292.9
		BOTTOM	4302M	WIND 300 30KT WEATHER 1					
			DOMINANT WAVES	300 14					
43.100	01/29/69	1110GMT	39 08.ON	128 43.0W	10	10.35	32.607		292.1
		BOTTOM	4308M	WIND 36C 10KT WEATHER 6					
			DOMINANT WAVES	360 12					
43.120	01/29/69	0147GMT	38 29.ON	130 12.0W	10	12.95	33.029		306.4
		BOTTOM	4825M	WIND 36C 35KT WEATHER 2					
			DOMINANT WAVES	360 20					
47.050	01/30/69	1948GMT	40 14.ON	124 33.0W	10	10.67	33.011		267.4
		BOTTOM	421M	WIND 320 20KT WEATHER 1					
			DOMINANT WAVES	320 12					
47.055	01/30/69	2215GMT	40 04.ON	124 55.0W	10	9.80	32.544		288.0
		BOTTOM	1243M	WIND 32C 23KT WEATHER 6					
			DOMINANT WAVES	320 12					
47.060	01/31/69	0105GMT	39 55.ON	125 18.0W	10	10.70	32.656		294.2
		BOTTOM	2785M	WIND 360 30KT WEATHER 2					
			DOMINANT WAVES	360 12					
47.070	01/31/69	0515GMT	39 35.ON	126 02.0W	10	10.73	32.678		293.0
		BOTTOM	3918M	WIND 36C 30KT WEATHER 1					
			DOMINANT WAVES	360 12					
47.080	01/31/69	0917GMT	39 15.ON	126 47.0W	10	10.98	32.593		303.5
		BOTTOM	4245M	WIND 34C 10KT WEATHER 0					
			DOMINANT WAVES	360 10					

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

					Z	T	S	02	DT
47.090	01/31/69	1337GMT	38 55.0N	127 31.0W	10	10.56	32.530		301.2
		BOTTOM	4335M	WIND 28G 15KT					
				WEATHER 1					
				DOMINANT WAVES					
				30C 10					
47.100	01/31/69	1755GMT	38 35.0N	128 17.0W	10	10.46	32.564		297.0
		BOTTOM	4688M	WIND 28G 20KT					
				WEATHER 2					
				DOMINANT WAVES					
				30C 10					
47.120	02/01/69	0050GMT	37 55.5N	129 44.5W	10	12.60	32.955		305.3
		BOTTOM	4727M	WIND 32G 18KT					
				WEATHER 2					
				DOMINANT WAVES					
				30C 10					
50.047	02/02/69	1218GMT	39 46.0N	123 54.0W	10	10.71	32.609		297.8
		BOTTOM	112M	WIND 36G 10KT					
				WEATHER 1					
				DOMINANT WAVES					
				36G 08					
50.050	02/02/69	1020GMT	39 40.0N	124 08.0W	10		32.809		
		BOTTOM	1012M	WIND 33G 10KT					
				WEATHER 1					
				DOMINANT WAVES					
				33G 08					
50.055	02/02/69	0702GMT	39 30.0N	124 30.0W	10	10.76	32.654		295.3
		BOTTOM	2240M	WIND 33G 10KT					
				WEATHER 2					
				DOMINANT WAVES					
				33G 10					
50.060	02/02/69	0437GMT	39 20.5N	124 52.0W	10	9.99	32.521		292.7
		BOTTOM	2804M	WIND 36G 10KT					
				WEATHER 1					
				DOMINANT WAVES					
				36G 10					
50.070	02/02/69	0037GMT	39 00.0N	125 36.5W	10	10.43	32.607		293.4
		BOTTOM	4068M	WIND 31G 20KT					
				WEATHER 1					
				DOMINANT WAVES					
				31G 14					
50.080	02/01/69	2022GMT	38 40.0N	126 21.0W	10	10.76	32.651		295.5
		BOTTOM	4350M	WIND 31G 30KT					
				WEATHER 2					
				DOMINANT WAVES					
				31G 14					
50.090	02/01/69	1614GMT	38 20.0N	127 04.0W	10	11.82	32.565		320.0
		BOTTOM	4588M	WIND 32G 30KT					
				WEATHER 1					
				DOMINANT WAVES					
				32G 12					
50.100	02/01/69	1138GMT	38 00.0N	127 49.0W	10	11.87	32.579		319.9
		BOTTOM	4688M	WIND 31G 20KT					
				WEATHER 1					
				DOMINANT WAVES					
				31G 10					
50.120	02/01/69	0443GMT	37 20.0N	129 16.5W	10	11.68	32.587		315.9
		BOTTOM	4884M	WIND 30G 25KT					
				WEATHER 6					
				DOMINANT WAVES					
				30G 10					
53.052	02/02/69	1606GMT	39 02.0N	123 52.0W	10	11.04	32.939		279.0
		BOTTOM	119M	WIND 27G 08KT					
				WEATHER 0					
				DOMINANT WAVES					
				27G 07					



## RV MILLER FREEMAN

## CALCOF1 CRUISE 6902

## TEN METER DATA

					Z	T	S	02	DT
53.055	02/02/69	1810GMT	38 56.ON	124 05.0W	10	10.98	33.115		264.9
		BOTTOM	1258M	WIND 310 15KT					
				WEATHER 0					
				DOMINANT WAVES					
				300 08					
53.060	02/02/69	2043GMT	38 46.ON	124 27.0W	10	11.44	33.157		269.7
		BOTTOM	3353M	WIND 310 12KT					
				WEATHER 0					
				DOMINANT WAVES					
				300 08					
53.070	02/03/69	0115GMT	38 26.ON	125 11.0W	10	11.31	33.143		268.5
		BOTTOM	3730M	WIND 310 12KT					
				WEATHER 2					
				DOMINANT WAVES					
				300 10					
53.080	02/03/69	0510GMT	38 06.ON	125 55.0W	10	10.75	32.713		290.8
		BOTTOM	4302M	WIND 360 10KT					
				WEATHER 2					
				DOMINANT WAVES					
				340 05					
53.090	02/03/69	0921GMT	37 46.ON	126 39.0W	10	12.52	32.683		323.9
		BOTTOM	4498M	WIND 350 10KT					
				WEATHER 2					
				DOMINANT WAVES					
				340 05					
53.100	02/03/69	1340GMT	37 26.ON	127 22.0W	10	11.79	32.532		321.9
		BOTTOM	4688M	WIND 050 05KT					
				WEATHER 1					
				DOMINANT WAVES					
				340 05					
53.120	02/03/69	2051GMT	36 47.ON	128 48.5W	10	13.48	33.052		314.7
		BOTTOM	4825M	WIND 200 12KT					
				WEATHER 0					
				DOMINANT WAVES					
				330 05					
57.051	02/05/69	0512GMT	38 30.ON	123 22.0W	10	10.88	32.579		302.9
		BOTTOM	104M	WIND 290 25KT					
				WEATHER 6					
				DOMINANT WAVES					
				290 06					
57.055	02/05/69	0253GMT	38 22.ON	123 39.5W	10	11.09	32.875		284.5
		BOTTOM	695M	WIND 180 20KT					
				WEATHER 6					
				DOMINANT WAVES					
				270 03					
57.060	02/05/69	0015GMT	38 12.ON	124 02.0W	10	11.58	33.197		269.2
		BOTTOM	3683M	WIND 190 22KT					
				WEATHER 6					
				DOMINANT WAVES					
				320 04					
57.070	02/04/69	2016GMT	37 52.ON	124 46.0W	10	11.29	32.951		282.3
		BOTTOM	4062M	WIND 190 22KT					
				WEATHER 2					
				DOMINANT WAVES					
				320 03					
57.080	02/04/69	1630GMT	37 32.ON	126 29.5W	10	10.94	32.926		278.2
		BOTTOM	4302M	WIND 190 20KT					
				WEATHER 2					
				DOMINANT WAVES					
				320 04					
57.090	02/04/69	1147GMT	37 12.ON	126 13.0W	10	12.63	32.780		318.7
		BOTTOM	4517M	WIND 240 10KT					
				WEATHER 1					
				DOMINANT WAVES					
				320 03					

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

				Z	T	S	02	0T
57.100	02/04/69 0740GMT 36 52.0N 126 56.0W BOTTOM 4593M WIND 240 05KT WEATHER 1 DOMINANT WAVES 320 03			10	12.11	32.730		313.0
57.120	02/04/69 0038GMT 36 12.5N 128 21.0W BOTTOM 4593M WIND 270 03KT WEATHER 1 DOMINANT WAVES 320 06			10	13.47	32.922		324.1
60.050	02/05/69 0910GMT 37 57.5N 122 53.0W BOTTOM 47M WIND 340 10KT WEATHER 6 DOMINANT WAVES 290 03			10	10.89	29.606		523.1
60.052	02/05/69 1030GMT 37 54.0N 123 01.5W BOTTOM 82M WIND 340 10KT WEATHER 2 DOMINANT WAVES 290 03			10	11.06	31.435		390.4
60.055	02/05/69 1220GMT 37 47.0N 123 15.0W BOTTOM 119M WIND 230 20KT WEATHER 6 DOMINANT WAVES 280 03			10	11.12	32.374		322.0
60.060	02/05/69 1507GMT 37 37.0N 123 37.0W BOTTOM 3353M WIND 270 10KT WEATHER 1 DOMINANT WAVES 290 04			10	11.30	31.827		365.5
60.065	02/05/69 1718GMT 37 27.0N 123 58.5W BOTTOM 3730M WIND 230 30KT WEATHER 0 DOMINANT WAVES 290 06			10	11.88	32.927		294.4
60.070	02/05/69 1951GMT 37 17.0N 124 21.0W BOTTOM 3918M WIND 180 40KT WEATHER 6 DOMINANT WAVES 180 12			10	11.04	32.997		274.7
60.080	02/06/69 0335GMT 36 56.5N 125 04.0W BOTTOM 4403M WIND 290 55KT WEATHER 0 DOMINANT WAVES 290 18			10	11.08	32.801		289.8
60.090	02/06/69 1717GMT 36 37.0N 125 47.0W BOTTOM 4688M WIND 300 55KT WEATHER 6 DOMINANT WAVES 300 25			10	11.70	32.611		314.5
60.100	02/06/69 2250GMT 36 17.0N 126 30.0W BOTTOM 4688M WIND 310 25KT WEATHER 1 DOMINANT WAVES 300 16			10	12.31	32.748		315.3
60.120	02/07/69 0628GMT 35 37.0N 127 54.0W BOTTOM 4688M WIND 320 10KT WEATHER 2 DOMINANT WAVES 320 12			10	14.01	33.086		322.6
63.050	02/08/69 1553GMT 37 23.5N 122 28.0W BOTTOM 24M WIND 140 20KT WEATHER 2 DOMINANT WAVES 200 03			10	11.53	32.722		303.4



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

					Z	T	S	QZ	DT
63.052	02/08/69	1443GMT	37 19.0N	122 36.0W	10	11.76	33.048		283.3
	BOTTOM	82M	WIND 160	20KT WEATHER 2					
		DOMINANT WAVES	200 05						
63.055	02/08/69	1253GMT	37 13.0N	122 50.0W	10	11.74	33.223		270.1
	BOTTOM	293M	WIND 180	15KT WEATHER 2					
		DOMINANT WAVES	200 06						
63.060	02/08/69	0950GMT	37 03.0N	123 12.0W	10	12.16	33.244		276.0
	BOTTOM	2576M	WIND 180	20KT WEATHER 0					
		DOMINANT WAVES	200 06						
63.065	02/08/69	0725GMT	36 53.0N	123 33.0W	10	11.86	33.188		274.8
	BOTTOM	3635M	WIND 180	20KT WEATHER 2					
		DOMINANT WAVES	200 06						
63.070	02/08/69	0513GMT	36 42.5N	123 55.0W	10	11.99	32.968		293.3
	BOTTOM	3918M	WIND 200	12KT WEATHER					
		DOMINANT WAVES	200 06						
63.080	02/08/69	0110GMT	36 23.0N	124 38.5W	10	12.16	32.900		301.7
	BOTTOM	4270M	WIND 180	04KT WEATHER 2					
		DOMINANT WAVES	190 07						
63.090	02/07/69	2053GMT	36 03.0N	125 20.0W	10	11.24	32.803		292.4
	BOTTOM	4593M	WIND 310	05KT WEATHER 2					
		DOMINANT WAVES	320 07						
63.100	02/07/69	1707GMT	35 43.0N	126 03.0W	10	11.54	32.844		294.5
	BOTTOM	4688M	WIND 310	08KT WEATHER 2					
		DOMINANT WAVES	320 07						
63.120	02/07/69	1030GMT	35 05.0N	127 30.0W	10	13.95	33.075		322.2
	BOTTOM	4669M	WIND 320	05KT WEATHER 1					
		DOMINANT WAVES	320 10						
67.048	02/08/69	2008GMT	36 53.0N	121 56.0W	10	11.78	32.056		356.9
	BOTTOM	45M	WIND 070	10KT WEATHER 2					
		DOMINANT WAVES	270 03						
67.050	02/08/69	2117GMT	36 48.0N	122 05.0W	10	12.00	33.255		272.3
	BOTTOM	494M	WIND 090	10KT WEATHER 2					
		DOMINANT WAVES	270 03						
67.055	02/08/69	2332GMT	36 39.0N	122 26.0W	10	11.77	33.279		266.5
	BOTTOM	2203M	WIND 180	22KT WEATHER 2					
		DOMINANT WAVES	270 04						
67.060	02/09/69	0224GMT	36 28.0N	122 47.0W	10	12.15	33.272		273.8
	BOTTOM	3091M	WIND 180	25KT WEATHER 2					
		DOMINANT WAVES	270 05						

## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

				Z	T	S	02	CT
67.065	02/09/69	0510GMT	36 18.0N 123 09.0W	10	12.08	33.279		272.0
	BOTTOM	3296M	WIND 170 25KT WEATHER					
	DOMINANT WAVES	270 05						
67.070	02/09/69	0745GMT	36 08.0N 123 29.0W	10	11.83	33.279		267.6
	BOTTOM	3673M	WIND 180 25KT WEATHER					
	DOMINANT WAVES	270 07						
67.080	02/09/69	1145GMT	35 48.0N 124 12.0W	10	12.22	32.927		300.5
	BOTTOM	4002M	WIND 180 20KT WEATHER 6					
	DOMINANT WAVES	180 08						
67.090	02/09/69	1557GMT	35 28.0N 124 55.0W	10	12.37	32.745		316.6
	BOTTOM	4403M	WIND 270 10KT WEATHER 2					
	DOMINANT WAVES	270 07						
67.100	02/09/69	2015GMT	35 08.0N 125 37.0W	10	14.10	33.020		329.2
	BOTTOM	4612M	WIND 320 10KT WEATHER 2					
	DOMINANT WAVES	270 07						
67.120	02/13/69	1833GMT	34 27.0N 127 00.5W	10	14.38	33.133		326.5
	BOTTOM	4884M	WIND 350 10KT WEATHER 1					
	DOMINANT WAVES	350 09						
70.051	02/15/69	0400GMT	36 12.0N 121 46.0W	10	12.48	33.301		277.7
	BOTTOM	75M	WIND 140 30KT WEATHER 2					
	DOMINANT WAVES	140 04						
70.053	02/15/69	0135GMT	36 06.0N 121 54.0W	10	12.14	33.218		277.6
	BOTTOM	1165M	WIND 140 30KT WEATHER					
	DOMINANT WAVES	180 05						
70.060	02/14/69	2230GMT	35 53.0N 122 23.0W	10	12.38	33.241		280.2
	BOTTOM	3163M	WIND 180 35KT WEATHER 6					
	DOMINANT WAVES	180 05						
70.065	02/14/69	1950GMT	35 43.0N 122 46.0W	10	11.96	33.240		272.7
	BOTTOM	2785M	WIND 160 30KT WEATHER 2					
	DOMINANT WAVES	320 05						
70.070	02/14/69	1720GMT	35 33.0N 123 06.0W	10	11.90	33.260		270.2
	BOTTOM	3907M	WIND 180 30KT WEATHER 2					
	DOMINANT WAVES	320 05						
70.080	02/14/69	1330GMT	35 13.5N 123 47.5W	10	11.73	33.197		271.8
	BOTTOM	4116M	WIND 180 20KT WEATHER 6					
	DOMINANT WAVES	180 02						
70.090	02/14/69	0935GMT	34 53.0N 124 30.0W	10	13.65	32.991		322.5
	BOTTOM	4479M	WIND 180 10KT WEATHER					
	DOMINANT WAVES	270 06						



## RV MILLER FREEMAN

## CALCOFI CRUISE 6902

## TEN METER DATA

					Z	T	S	C2	CT
70.100	02/14/69	0545GMT	34 33.0N	125 12.0W	10	14.05	33.046		326.3
		BOTTOM	4593M	WIND 26C 15KT					
				WEATHER					
				DOMINANT WAVES					
				270 06					
70.120	02/13/69	2230GMT	33 53.0N	126 35.5W	10	14.45	33.099		330.4
		BOTTOM	4688M	WIND 99C 05KT					
				WEATHER 2					
				DOMINANT WAVES					
				350 09					
73.050	02/15/69	0830GMT	35 37.0N	121 17.0W	10	12.40	33.242		280.5
		BOTTOM	93M	WIND 140 40KT					
				WEATHER 6					
				DOMINANT WAVES					
				140 08					
73.053	02/15/69	1643GMT	35 31.5N	121 28.5W	10	12.72	33.177		291.2
		BOTTOM	739M	WIND 18C 15KT					
				WEATHER 2					
				DOMINANT WAVES					
				180 08					
73.060	02/15/69	2000GMT	35 17.5N	121 58.0W	10	12.53	33.139		290.5
		BOTTOM	2410M	WIND 23C 10KT					
				WEATHER 0					
				DOMINANT WAVES					
				250 10					
73.065	02/15/69	2238GMT	35 08.0N	122 19.0W	10	12.49	33.151		288.9
		BOTTOM	4014M	WIND 24C 15KT					
				WEATHER 0					
				DOMINANT WAVES					
				240 10					
73.070	02/16/69	0110GMT	34 58.0N	122 40.0W	10	12.64	33.144		292.2
		BOTTOM	4116M	WIND 27C 10KT					
				WEATHER					
				DOMINANT WAVES					
				270 10					
73.080	02/16/69	0510GMT	34 38.0N	123 22.0W	10	12.42	32.888		307.0
		BOTTOM	4116M	WIND 27C 05KT					
				WEATHER					
				DOMINANT WAVES					
				270 08					
73.090	02/16/69	0900GMT	34 18.5N	124 04.0W	10	13.32	32.917		321.5
		BOTTOM	4460M	WIND 34C 05KT					
				WEATHER 0					
				DOMINANT WAVES					
				270 08					
73.100	02/16/69	1305GMT	33 58.5N	124 45.0W	10	13.72	33.007		322.7
		BOTTOM	4688M	WIND 18C 07KT					
				WEATHER 0					
				DOMINANT WAVES					
				270 04					
73.120	02/16/69	1944GMT	33 18.0N	126 08.5W	10	14.74	33.136		333.5
		BOTTOM	4422M	WIND 20C 10KT					
				WEATHER 2					
				DOMINANT WAVES					
				270 05					
77.048	02/18/69	0640GMT	35 08.5N	120 43.5W	10	12.51	33.177		287.3
		BOTTOM	24M	WIND 14C 15KT					
				WEATHER					
				DOMINANT WAVES					
				270 03					
77.051	02/18/69	0442GMT	35 02.0N	120 56.5W	10	12.65	33.163		290.9
		BOTTOM	274M	WIND					
				00KT					
				WEATHER					
				DOMINANT WAVES					
				270 03					

## RV MILLER FREEMAN

## CALCOFT CRUISE 6902

## TEN METER DATA

					Z	T	S	C2	DT
77.055	02/18/69	0221GMT	34 54.5N	121 13.0W	10	12.82	33.117		297.5
		BOTTOM	563M	WIND 32C 10KT					
				WEATHER					
				DOMINANT WAVES					
				32C 04					
77.060	02/17/69	2330GMT	34 44.0N	121 34.0W	10	13.03	33.239		292.4
		BOTTOM	896M	WIND 18C 15KT					
				WEATHER					
				DOMINANT WAVES					
				27C 04					
77.065	02/17/69	2114GMT	34 34.0N	121 55.0W	10	12.78	33.075		299.8
		BOTTOM	3730M	WIND 18C 18KT					
				WEATHER					
				DOMINANT WAVES					
				27C 04					
77.070	02/17/69	1902GMT	34 24.0N	122 16.0W	10	12.88	33.056		303.1
		BOTTOM	4021M	WIND 18C 16KT					
				WEATHER					
				DOMINANT WAVES					
				27C 04					
77.080	02/17/69	1509GMT	34 04.0N	122 57.0W	10	13.06	32.939		315.1
		BOTTOM	4260M	WIND 18C 20KT					
				WEATHER					
				DOMINANT WAVES					
				27C 04					
77.090	02/17/69	1035GMT	33 43.0N	123 39.0W	10	12.92	33.027		306.0
		BOTTOM	4403M	WIND 18C 15KT					
				WEATHER					
				DOMINANT WAVES					
				27C 05					
77.100	02/17/69	0717GMT	33 24.0N	124 20.0W	10	12.96	32.831		321.1
		BOTTOM	4688M	WIND 18C 15KT					
				WEATHER					
				DOMINANT WAVES					
				27C 05					
77.120	02/16/69	2315GMT	32 44.0N	125 42.0W	10	13.50	32.872		326.3
		BOTTOM	4574M	WIND 15C 15KT					
				WEATHER					
				DOMINANT WAVES					
				27C 06					



## RV ALEXANDER AGASSIZ

## CALCIFI CRUISE 6902

## TEN METER DATA

				Z	T	S	O2	PO4	SI03	NO2	NO3	DT
63.050	02/27/69	1350GMT	37 23.5N	122	28.0W							292.0
	BOTTOM	34M	WIND 180	12KT	WEATHER 1							
	DOMINANT WAVES											
63.052	02/27/69	1532GMT	37 18.5N	122	36.5W							284.9
	BOTTOM	93M	WIND 150	24KT	WEATHER 1							
	DOMINANT WAVES 150 08 10											
63.055	02/27/69	1720GMT	37 12.5N	122	49.5W							283.5
	BOTTOM	331M	WIND 140	30KT	WEATHER 2							
	DOMINANT WAVES 140 10 09											
67.048	02/26/69	1930GMT	36 53.0N	121	56.5W							291.9
	BOTTOM	37M	WIND 130	10KT	WEATHER 1		.76	9.	.24	4.6		
	DOMINANT WAVES 280 08 10											
67.055	02/26/69	1458GMT	36 39.0N	122	25.0W							275.6
	BOTTOM	2037M	WIND 260	02KT	WEATHER 1							
	DOMINANT WAVES 290 06 08											
67.060	02/26/69	1114GMT	36 28.0N	122	47.0W							272.7
	BOTTOM	2945M	WIND 270	10KT	WEATHER 1							
	DOMINANT WAVES											
67.065	02/26/69	0805GMT	36 19.0N	123	09.0W							271.1
	BOTTOM	3354M	WIND 280	15KT	WEATHER 1		.76	7.	.39	5.8		
	DOMINANT WAVES 290 06 08											
67.070	02/26/69	0528GMT	36 09.0N	123	30.0W							288.5
	BOTTOM	3541M	WIND 280	18KT	WEATHER 1		.56	3.	.05	1.1		
	DOMINANT WAVES 290 08 08											
67.080	02/26/69	0015GMT	35 48.5N	124	12.0W							306.4
	BOTTOM	3938M	WIND 290	13KT	WEATHER 1		.48	2.	.03	.3		
	DOMINANT WAVES 270 10 10											
67.090	02/25/69	1915GMT	35 28.5N	124	56.0W							313.4
	BOTTOM	4428M	WIND 270	13KT	WEATHER 1		.40	2.	.03	.0		
	DOMINANT WAVES 270 10 10											
70.051	02/21/69	1715GMT	36 11.5N	121	45.0W							277.1
	BOTTOM	84M	WIND 130	07KT	WEATHER 2		.72	9.	.27	5.3		
	DOMINANT WAVES 260 04 10											
70.065	02/23/69	0435GMT	35 43.0N	122	44.0W							275.0
	BOTTOM	1775M	WIND 190	15KT	WEATHER 2		.52	5.	.11	2.2		
	DOMINANT WAVES											
73.050	02/20/69	1238GMT	35 37.0N	121	17.0W							278.2
	BOTTOM	121M	WIND 040	07KT	WEATHER 2		.64	6.	.14	3.9		
	DOMINANT WAVES											

## RV ALEXANDER AGASSIZ

## CALCIFI CRUISE 6902

## TEN METER DATA

			Z	T	S	02	P04	S103	N02	N03	DT
73.060	02/21/69 0600GMT	35 18.5N 121 57.5W	10	12.71	33.080		.40	2.	.03	.0	298.7
	BOTTOM 2974M	WIND 010 24KT WEATHER 1									
	DOMINANT WAVES	320 14 11									
73.065	02/21/69 0252GMT	35 08.5N 122 18.0W	10	12.37	33.181		.46	4.	.04	.6	284.5
	BOTTOM 3866M	WIND 320 20KT WEATHER 1									
	DOMINANT WAVES	320 14 12									
73.070	02/21/69 0012GMT	34 55.0N 122 40.0W	10	12.30	33.123		.44	4.	.04	.1	287.5
	BOTTOM 4061M	WIND 320 30KT WEATHER 1									
	DOMINANT WAVES	320 16 13									
73.080	02/20/69 1618GMT	34 39.0N 123 23.0W	10	12.52	33.013		.42	3.	.02	.0	299.6
	BOTTOM 4213M	WIND 330 30KT WEATHER 2									
	DOMINANT WAVES	330 16 13									317.8
73.090	02/20/69 1040GMT	34 18.5N 124 04.0W	10	13.10	32.912						
	BOTTOM 3263M	WIND 340 27KT WEATHER 2									
	DOMINANT WAVES	340 15 12									
77.048	02/19/69 0031GMT	35 08.5N 120 43.5W	10	12.43	33.297	1.87	10.	.29	6.8		277.0
	BOTTOM 56M	WIND 300 18KT WEATHER 1									
	DOMINANT WAVES	290 06 08									
77.055	02/19/69 0700GMT	34 54.5N 121 13.0W	10	12.68	33.129		.40	0.	.04	.5	294.0
	BOTTOM 556M	WIND 320 22KT WEATHER 5									
	DOMINANT WAVES										
77.060	02/19/69 0857GMT	34 44.5N 121 35.0W	10	12.80	33.198		.42	2.	.03	.0	291.1
	BOTTOM 903M	WIND 300 24KT WEATHER 2									
	DOMINANT WAVES										
77.065	02/19/69 1240GMT	34 34.0N 121 54.5W	10	12.48	33.119		.46	3.	.03	.0	291.0
	BOTTOM 3731M	WIND 300 21KT WEATHER 2									
	DOMINANT WAVES										
77.070	02/19/69 1555GMT	34 24.0N 122 16.0W	10	12.74	33.056		.44	4.	.04	.1	300.5
	BOTTOM 4111M	WIND 340 21KT WEATHER 2									
	DOMINANT WAVES	320 08 08									
77.080	02/19/69 2050GMT	34 05.0N 122 56.0W	10	13.36	32.964		.36	2.	.01	.0	318.9
	BOTTOM 4241M	WIND 330 18KT WEATHER 1									
	DOMINANT WAVES	330 09 08									
77.090	02/20/69 0210GMT	33 44.0N 123 39.0W	10	12.72	32.898		.52	2.	.01	.1	311.7
	BOTTOM 4155M	WIND 340 16KT WEATHER 2									
	DOMINANT WAVES	340 15 12									
80.051	02/18/69 1241GMT	34 26.0N 120 33.0W	10	13.22	33.232		.42	0.	.02	.0	296.6
	BOTTOM 101M	WIND 130 09KT WEATHER									
	DOMINANT WAVES										





## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

## TEN METR DATA

			Z	T	S	02	P04	S103	N02	N03	NT
87.033	02/13/69	0105GMT	33	54.0N	118 29.5W	10					327.3
	BOTTOM	48M			WIND 280 12KT WEATHER 1						
	DOMINANT WAVES	270 04 08									
87.050	02/14/69	1103GMT	33	20.0N	119 39.5W	10		.48	5.	.14	277.7
	BOTTOM	73M			WIND 300 12KT WEATHER						
	DOMINANT WAVES										
87.055	02/16/69	1255GMT	33	13.0N	120 00.0W	10		.34	3.	.04	285.6
	BOTTOM	833M			WIND 320 08KT WEATHER						
	DOMINANT WAVES	320 04									
87.060	02/16/69	0947GMT	33	00.0N	120 21.5W	10		.31	2.	.03	293.3
	BOTTOM	650M			WIND 300 02KT WEATHER 0						
	DOMINANT WAVES	300 08									
87.070	02/16/69	0515GMT	32	39.5N	121 02.0W	10					289.8
	BOTTOM	3842M			WIND 290 02KT WEATHER 1						
	DOMINANT WAVES										
87.080	02/16/69	0035GMT	32	20.0N	121 43.0W	10		.31	3.	.12	298.3
	BOTTOM	4117M			WIND 280 10KT WEATHER 1						
	DOMINANT WAVES	310 08									
87.090	02/15/69	2032GMT	31	59.0N	122 24.0W	10					301.7
	BOTTOM	4404M			WIND 260 06KT WEATHER 0						
	DOMINANT WAVES	260 08									
93.045	02/18/69	0645GMT	32	18.0N	118 37.0W	10					295.8
	BOTTOM	1757M			WIND 260 02KT WEATHER 1						
	DOMINANT WAVES	270 03 07									
93.050	02/18/69	0910GMT	32	10.0N	118 52.5W	10					301.1
	BOTTOM	1664M			WIND 150 03KT WEATHER 1						
	DOMINANT WAVES	270 05 07									
93.055	02/18/69	1126GMT	32	00.0N	119 09.0W	10					300.6
	BOTTOM	3738M			WIND 330 06KT WEATHER 5						
	DOMINANT WAVES	250									
93.060	02/18/69	1457GMT	31	54.0N	119 38.0W	10					315.6
	BOTTOM	2791M			WIND 340 07KT WEATHER 1						
	DOMINANT WAVES	290 10 09									
93.070	02/18/69	1919GMT	31	24.5N	120 14.0W	10					311.4
	BOTTOM	4213M			WIND 310 17KT WEATHER 1						
	DOMINANT WAVES	290 10 10									
93.080	02/18/69	2353GMT	31	10.0N	120 54.0W	10					322.6
	BOTTOM	4117M			WIND 270 17KT WEATHER 1						
	DOMINANT WAVES	280 10 08									





## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

## TFN METER DATA

					Z	T	S	02	PD4	S103	NC2	NC3	DT
103.029	02/23/69	2220GMT	31 07.0N	116 21.0W	10	14.83	33.402		.33	2.	.01	.0	315.9
		BOTTOM	30M	WIND 20C 11KT									
				WEATHER 1									
				DOMINANT WAVES									
				260 04 C6									
103.030	02/23/69	2131GMT	31 06.0N	116 24.5W	10	14.82	33.467		.30	2.	.00	.0	310.9
		BOTTOM	63M	WIND 140 10KT									
				WEATHER 1									
				DOMINANT WAVES									
				220 03 05									
103.035	02/23/69	1919GMT	30 56.0N	116 45.0W	10	14.99	33.585		.30	2.	.01	.0	305.8
		BOTTOM	1849M	WIND 180 10KT									
				WEATHER 2									
				DOMINANT WAVES									
				280 10 08									
103.040	02/23/69	1638GMT	30 47.0N	117 03.5W	10	15.46	33.606		.33	2.	.00	.0	314.1
		BOTTOM	1856M	WIND 270 08KT									
				WEATHER 6									
				DOMINANT WAVES									
				280 10 10									
103.045	02/23/69	1423GMT	30 36.0N	117 18.5W	10	15.56	33.492		.33	2.	.02	.0	324.5
		BOTTOM	2043M	WIND 240 08KT									
				WEATHER 1									
				DOMINANT WAVES									
				250 09 09									
103.050	02/23/69	1152GMT	30 25.5N	117 40.0W	10	14.94	33.489		.36	1.	.00	.0	311.8
		BOTTOM	2509M	WIND 270 02KT									
				WEATHER 1									
				DOMINANT WAVES									
				290 08 06									
103.055	02/23/69	0930GMT	30 15.5N	118 02.0W	10	15.04	33.498		.33	1.	.01	.0	313.2
		BOTTOM	2509M	WIND 270 16KT									
				WEATHER 1									
				DOMINANT WAVES									
103.060	02/23/69	0717GMT	30 07.5N	118 19.0W	10	15.04	33.472						315.1
		BOTTOM	3358M	WIND 270 06KT									
				WEATHER 1									
				DOMINANT WAVES									
				300 10 08									
103.070	02/23/69	0251GMT	29 48.0N	119 00.5W	10	14.54	33.492		.36	1.	.00	.0	303.4
		BOTTOM	3546M	WIND 260 08KT									
				WEATHER 1									
				DOMINANT WAVES									
				300 10 08									
103.080	02/22/69	2213GMT	29 26.5N	119 44.0W	10	15.82	33.675		.28	1.	.00	.1	316.7
		BOTTOM	3926M	WIND 300 14KT									
				WEATHER 1									
				DOMINANT WAVES									
				300 10 08									
107.031	02/24/69	0322GMT	30 28.0N	116 07.0W	10	14.12	33.502		.31	2.	.00	.2	294.2
		BOTTOM	41M	WIND 160 04KT									
				WEATHER 1									
				DOMINANT WAVES									
				280 04									
107.032	02/24/69	0419GMT	30 26.0N	116 11.0W	10		33.485		.31	2.	.03	.2	
		BOTTOM	371M	WIND 200 05KT									
				WEATHER 1									
				DOMINANT WAVES									
				280 04									
107.035	02/24/69	0609GMT	30 21.5N	116 22.5W	10	15.72	33.620		.28	2.	.02	.1	318.6
		BOTTOM	1757M	WIND 180 10KT									
				WEATHER 2									
				DOMINANT WAVES									
				280 05 C6									



## RV DAVID STARR JORDAN

## CALCOFI CRUISE 6902

## TEN METER DATA

			Z	T	S	O2	PO4	SI03	NO2	NC3	DT
107.040	02/24/69 0851GMT BOTTOM 2697M DOMINANT WAVES	30 11.5N 116 40.5W WIND 200 04KT WEATHER 1	10	15.84	33.677		.28	2.	.06	.2	317.0
107.045	02/24/69 1111GMT BOTTOM 1670M DOMINANT WAVES	30 02.0N 117 00.0W WIND 180 02KT WEATHER 1	10	15.70	33.659		.28	2.	.01	.2	315.3
107.050	02/24/69 1352GMT BOTTOM 3358M DOMINANT WAVES	29 52.5N 117 18.0W WIND 190 02KT WEATHER 1 270 08 06	10	15.71	33.651		.28	2.	.08	.1	316.1
107.055	02/24/69 1638GMT BOTTOM 3358M DOMINANT WAVES	29 41.0N 117 42.0W WIND 160 08KT WEATHER 1 280 11 08	10	14.52	33.299		.31	1.	.00	.2	317.1
107.060	02/24/69 1913GMT BOTTOM 3738M DOMINANT WAVES	29 32.0N 118 01.5W WIND 190 04KT WEATHER 1 280 10 08	10	14.90	33.349		.25	2.	.00	.2	321.2
107.070	02/24/69 2350GMT BOTTOM 3075M DOMINANT WAVES	29 11.0N 118 41.0W WIND 190 08KT WEATHER 1 300 04 06	10	15.31	33.481		.28	2.	.00	.1	320.1
107.080	02/25/69 0409GMT BOTTOM 3832M DOMINANT WAVES	28 51.5N 119 20.0W WIND 200 08KT WEATHER 1 290 11 08	10	16.08	33.736		.23	2.	.00	.2	317.8
110.032	02/26/69 0943GMT BOTTOM 41M DOMINANT WAVES	29 50.0N 115 49.5W WIND 210 05KT WEATHER 1	10	14.36	33.584						293.0
110.045	02/26/69 0114GMT BOTTOM 1040M DOMINANT WAVES	29 26.0N 116 38.5W WIND 220 06KT WEATHER 1 280 07 08	10	15.92	33.662		.31	2.	.06	.0	319.8
113.029	02/26/69 1406GMT BOTTOM 26M DOMINANT WAVES	29 24.0N 115 13.0W WIND 990 01KT WEATHER 1	10	14.58	33.633		.40	5.	.08	.0	293.9
113.030	02/26/69 1255GMT BOTTOM 58M DOMINANT WAVES	29 22.0N 115 18.0W WIND 990 01KT WEATHER 1 300 04 07	10	14.65	33.566		.34	3.	.06	.0	300.2
113.035	02/26/69 1722GMT BOTTOM 1298M DOMINANT WAVES	29 11.5N 115 38.0W WIND 250 03KT WEATHER 2 280 08 08	10	15.28	33.591		.28	2.	.06	.0	311.4
113.040	02/26/69 1959GMT BOTTOM 1949M DOMINANT WAVES	29 05.5N 116 00.0W WIND 200 09KT WEATHER 1 280 08 08	10	15.26	33.563		.37	3.	.14	.0	313.0







## RV DAVID STARR JORDAN

## CALCOFI CRUISE 69C2

## TEN METER DATA

			Z	T	S	02	PO4	SI03	NO2	NO3	DT
127.033	03/03/69	1032GMT	26	57.5N	114	02.0W					
	BOTTOM 65M WIND 300 07KT WEATHER 0 DOMINANT WAVES										
127.034	03/03/69	1127GMT	26	55.0N	114	06.5W					
	BOTTOM 84M WIND 100 07KT WEATHER 1 DOMINANT WAVES										
127.040	03/03/69	1425GMT	26	43.5N	114	23.0W					
	BOTTOM 3358M WIND 320 08KT WEATHER 1 DOMINANT WAVES 300 08 08										
127.045	03/03/69	1643GMT	26	34.0N	114	49.0W					
	BOTTOM 3358M WIND 320 17KT WEATHER 1 DOMINANT WAVES 300 07										
127.050	03/03/69	1921GMT	26	23.0N	115	08.0W					
	BOTTOM 3642M WIND 320 24KT WEATHER 2 DOMINANT WAVES 290 10 10										
127.060	03/03/69	2344GMT	26	03.5N	115	46.5W					
	BOTTOM 3926M WIND 340 22KT WEATHER 2 DOMINANT WAVES 330 10 06										
130.028	03/04/69	2348GMT	26	33.5N	113	21.0W					
	BOTTOM 56M WIND 290 18KT WEATHER 1 DOMINANT WAVES 290 05 06										
130.035	03/04/69	1922GMT	26	18.0N	113	47.5W					
	BOTTOM 595M WIND 300 20KT WEATHER 2 DOMINANT WAVES 320 07 05										
130.045	03/04/69	1244GMT	25	58.5N	114	26.5W					
	BOTTOM 3546M WIND 320 24KT WEATHER 2 DOMINANT WAVES 300 12 08										
133.023	03/05/69	0352GMT	26	08.5N	112	40.0W					
	BOTTOM 75M WIND 320 20KT WEATHER 1 DOMINANT WAVES 300 06 05										
133.025	03/05/69	0510GMT	26	04.5N	112	48.0W					
	BOTTOM 86M WIND 340 24KT WEATHER 1 DOMINANT WAVES 300 08 06										
133.030	03/05/69	0730GMT	25	54.5N	113	07.5W					
	BOTTOM 205M WIND 320 14KT WEATHER 1 DOMINANT WAVES										
133.035	03/05/69	0950GMT	25	45.5N	113	26.5W					
	BOTTOM 1587M WIND 320 15KT WEATHER 1 DOMINANT WAVES										





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