

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

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

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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.

*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^R ^{See} 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‰ 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‰ at the surface to -0.74‰ at 500 meters.

Cruise 6902:

RV Alexander Agassiz: A temperature correction of -0.029°C and a salinity correction of 0.036‰ were applied over the entire depth range (0 - 500 meters).

RV David Starr Jordan: A temperature correction of -0.016°C and a salinity correction of -0.054‰ 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:

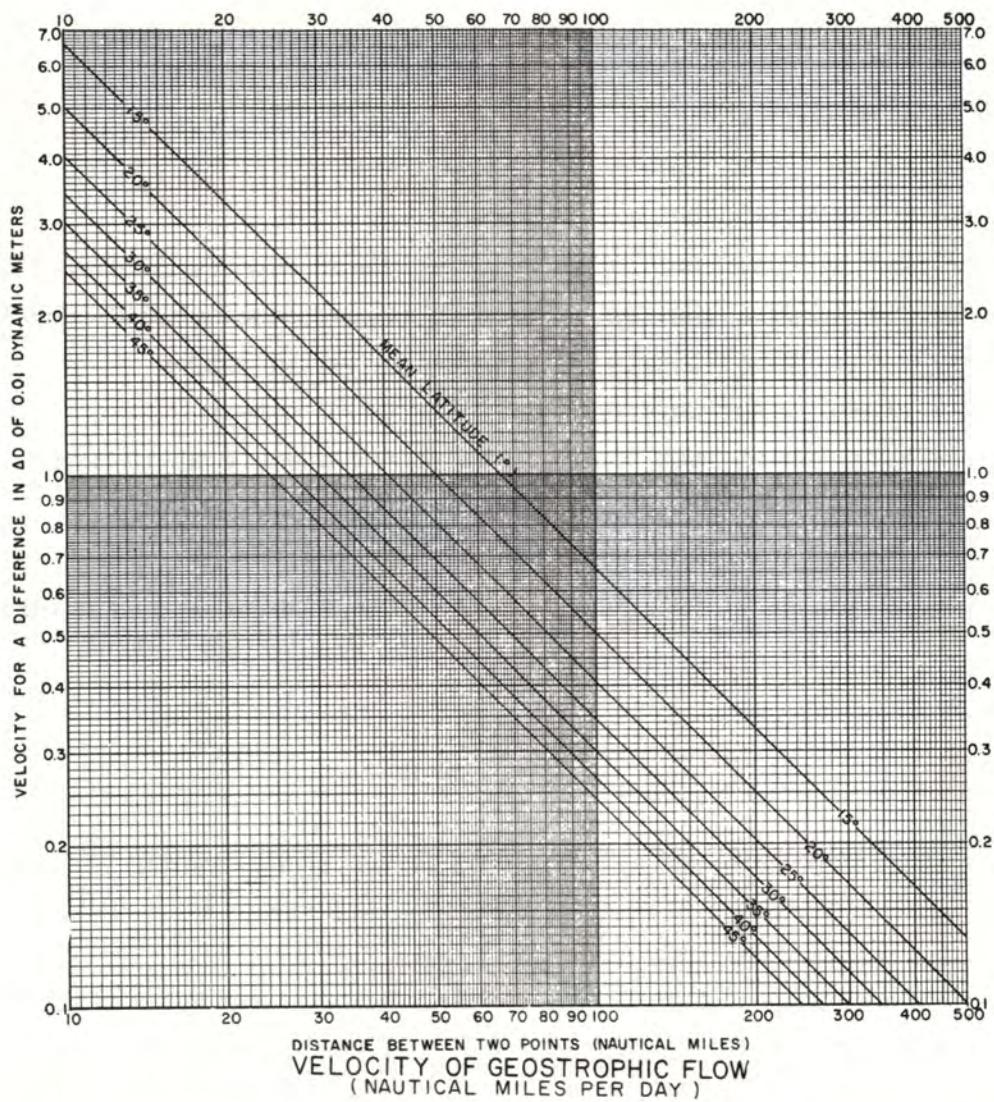
Z	Depth	Meters
T	Temperature	°C
S	Salinity	°/oo
O2	Dissolved oxygen	mL/L
P04	"Reactive" inorganic phosphate-phosphorous	µg at/L
Si03	"Reactive" inorganic silicate-silicon	µg at/L
N02	"Reactive" nitrite-nitrogen	µg at/L
N03	"Reactive" nitrate-nitrogen	µg at/L
DT	δ_T Thermosteric anomaly	c1/ton
SIGT	$\sigma_t = (\rho_{s,t,0} - 1)10^3$ 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

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

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

1 cm/sec = 0.019 kts = 0.466 NAUTICAL MILES / DAY

1 kts = 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.

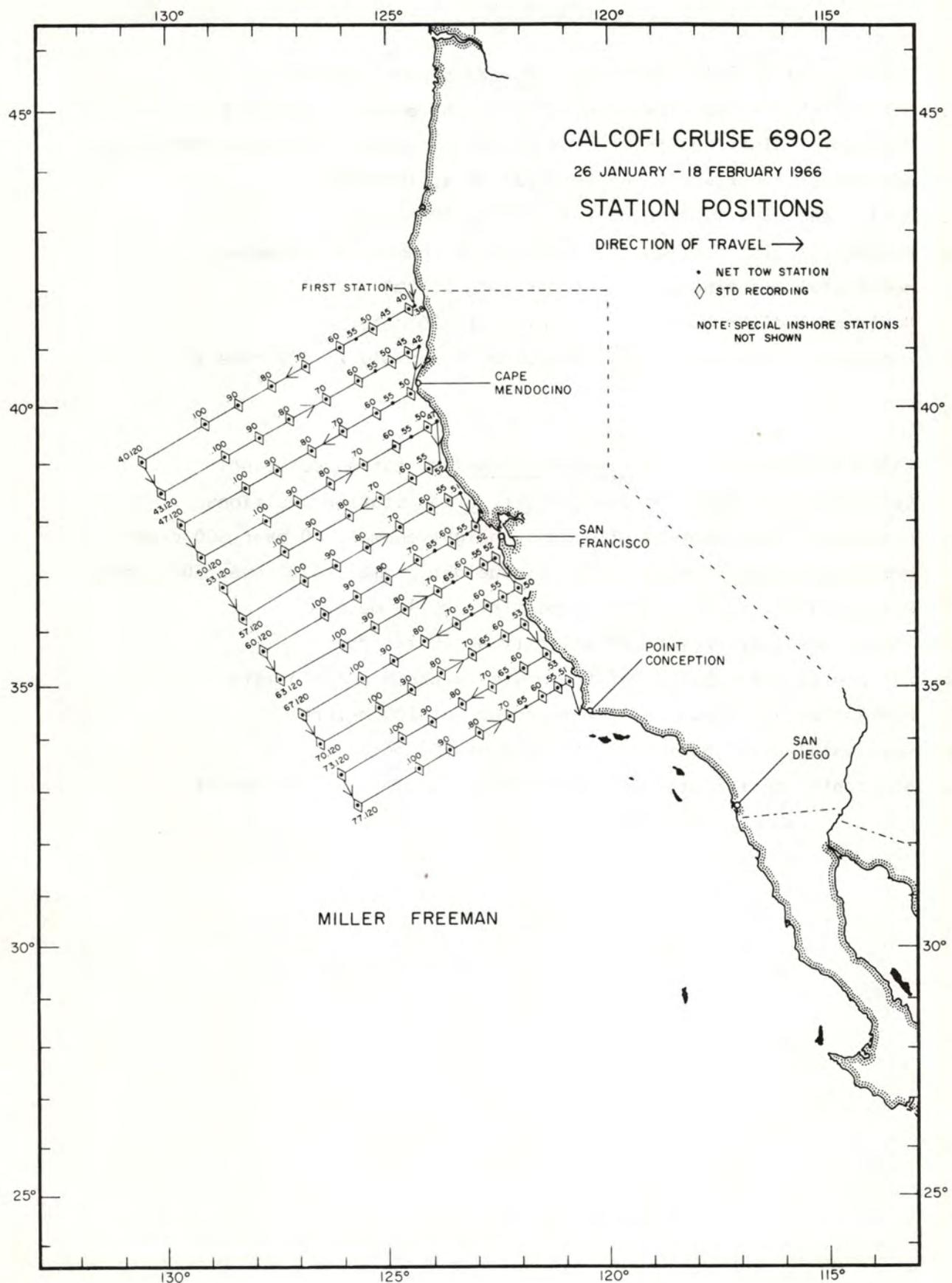


FIGURE 1

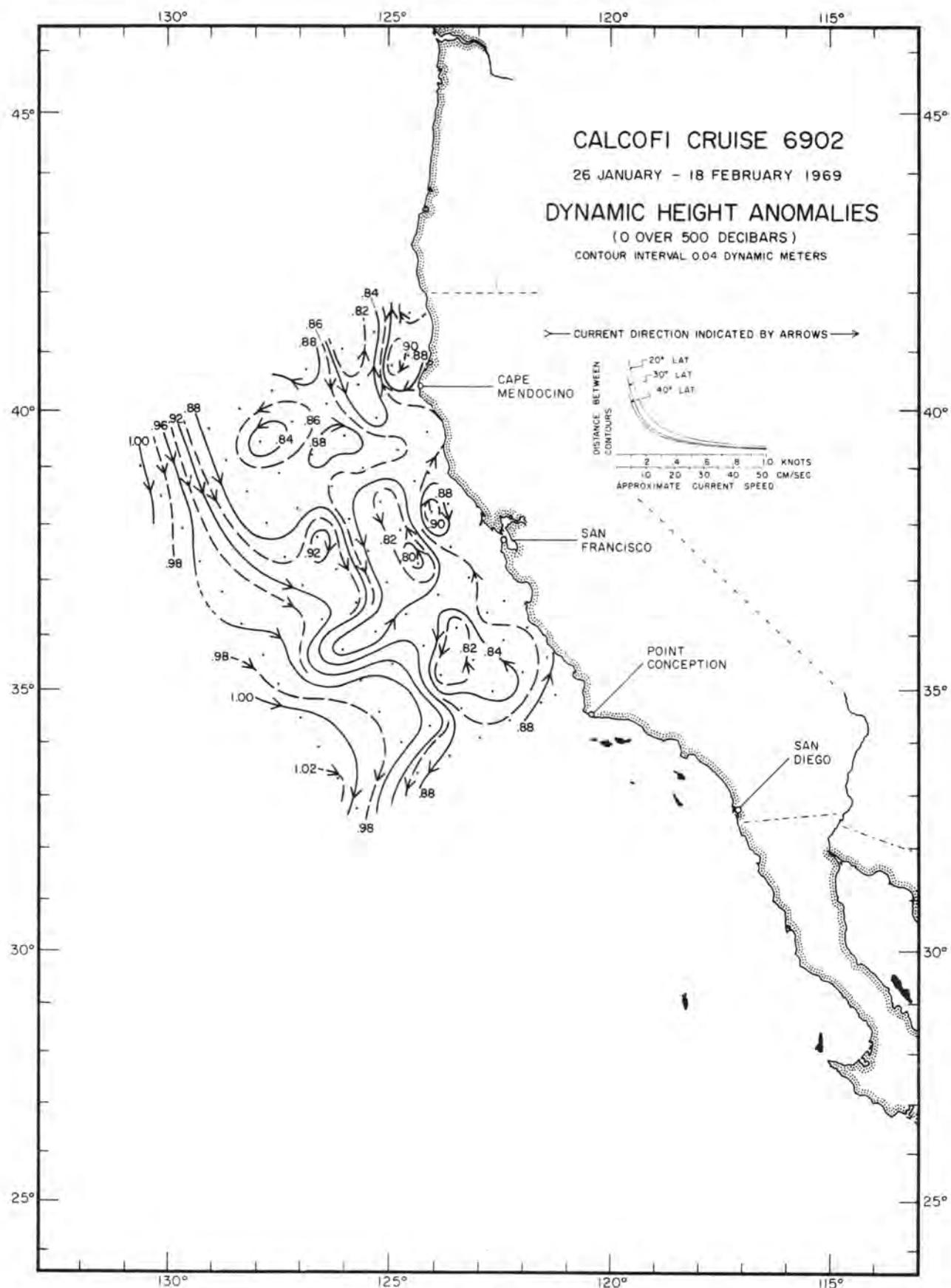


FIGURE 2

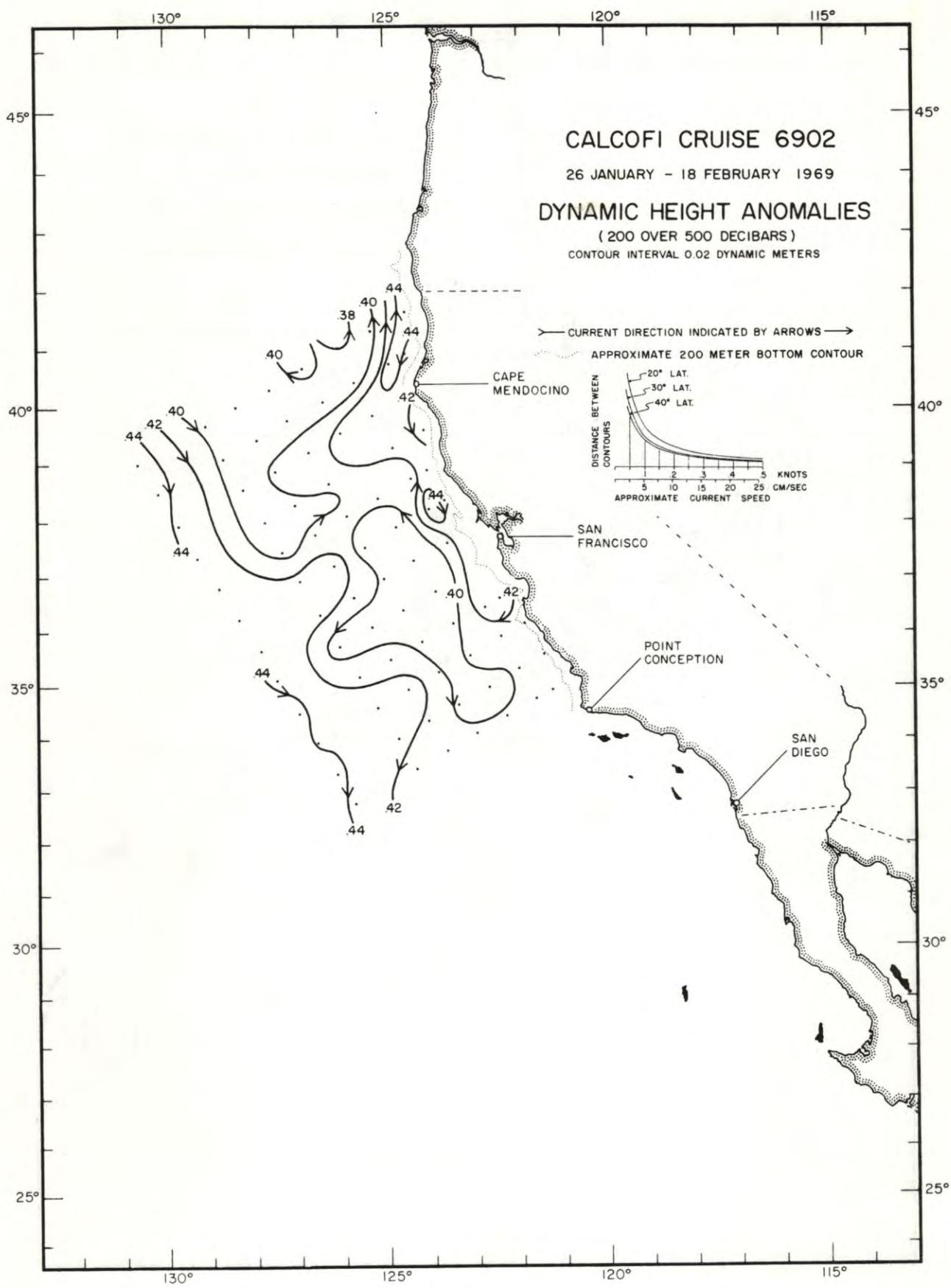


FIGURE 3

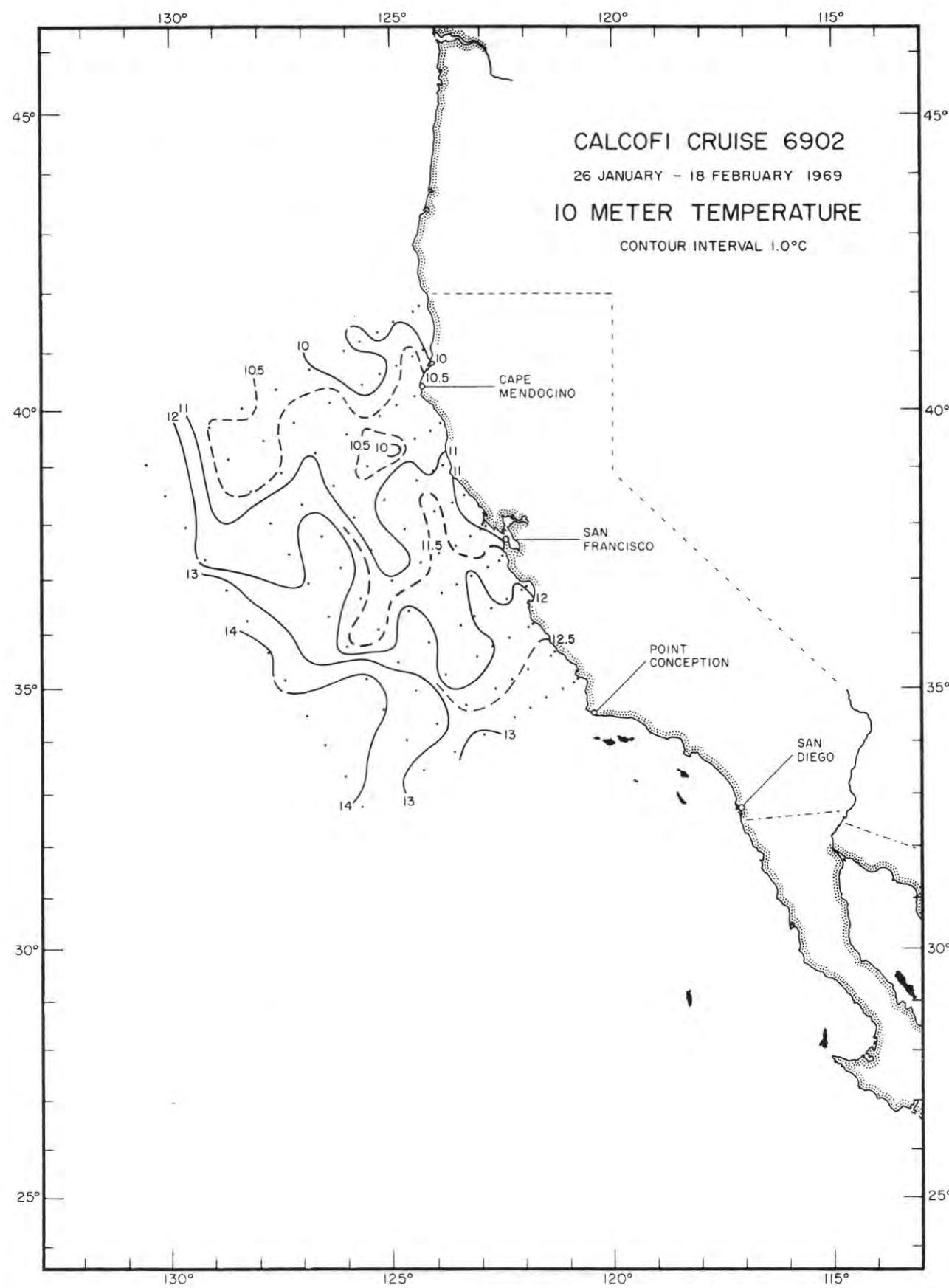


FIGURE 4

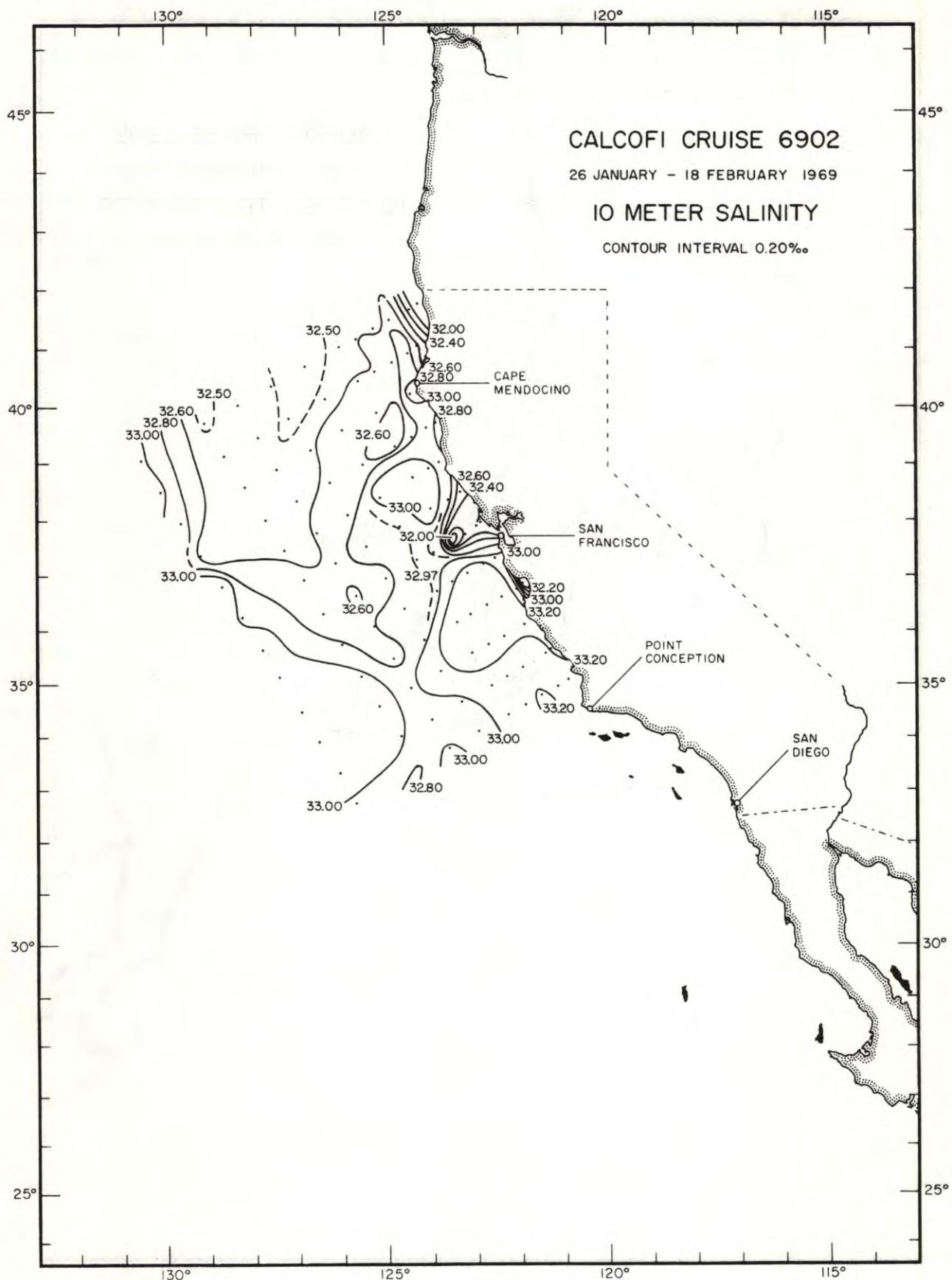


FIGURE 5

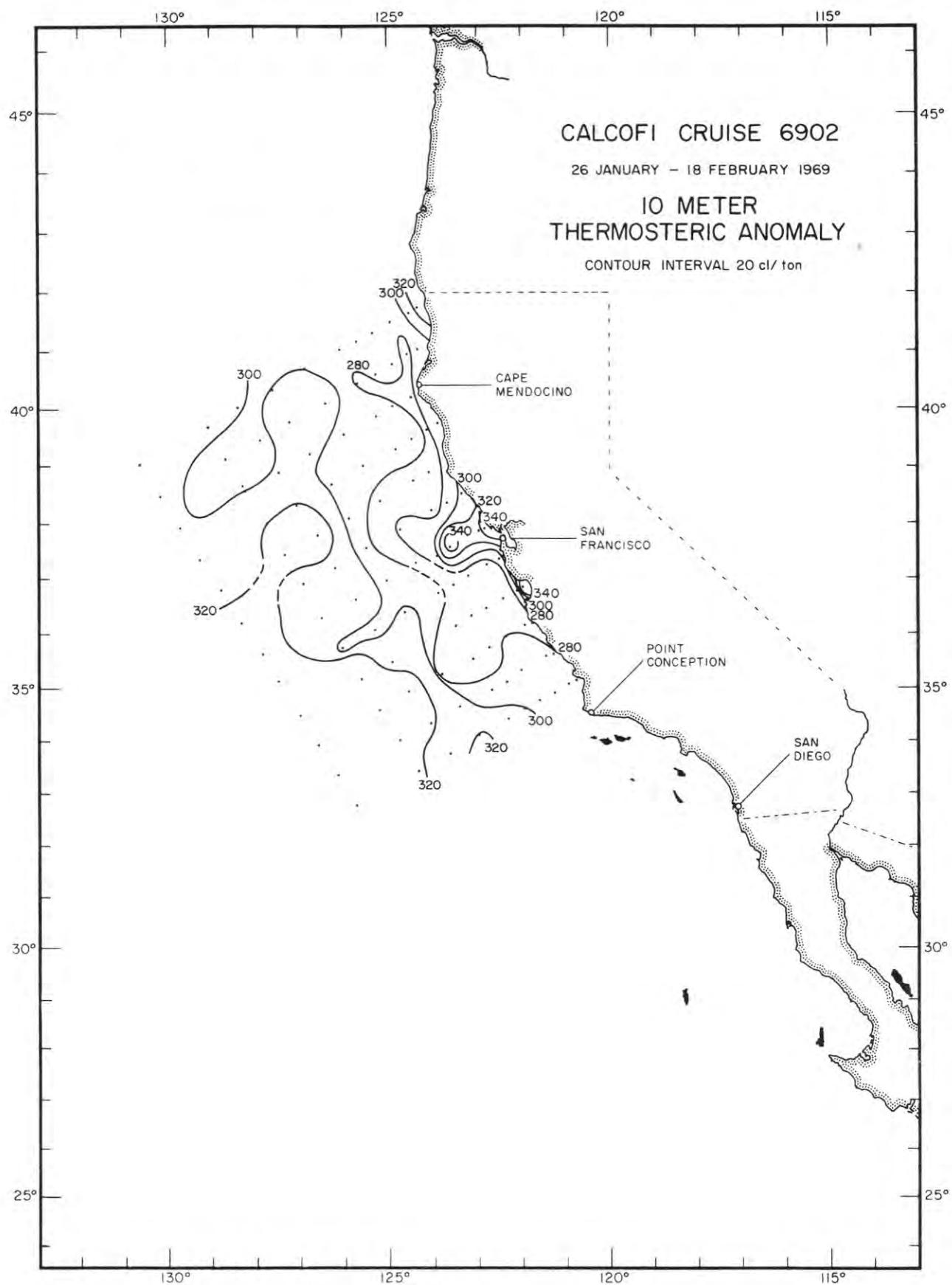


FIGURE 6

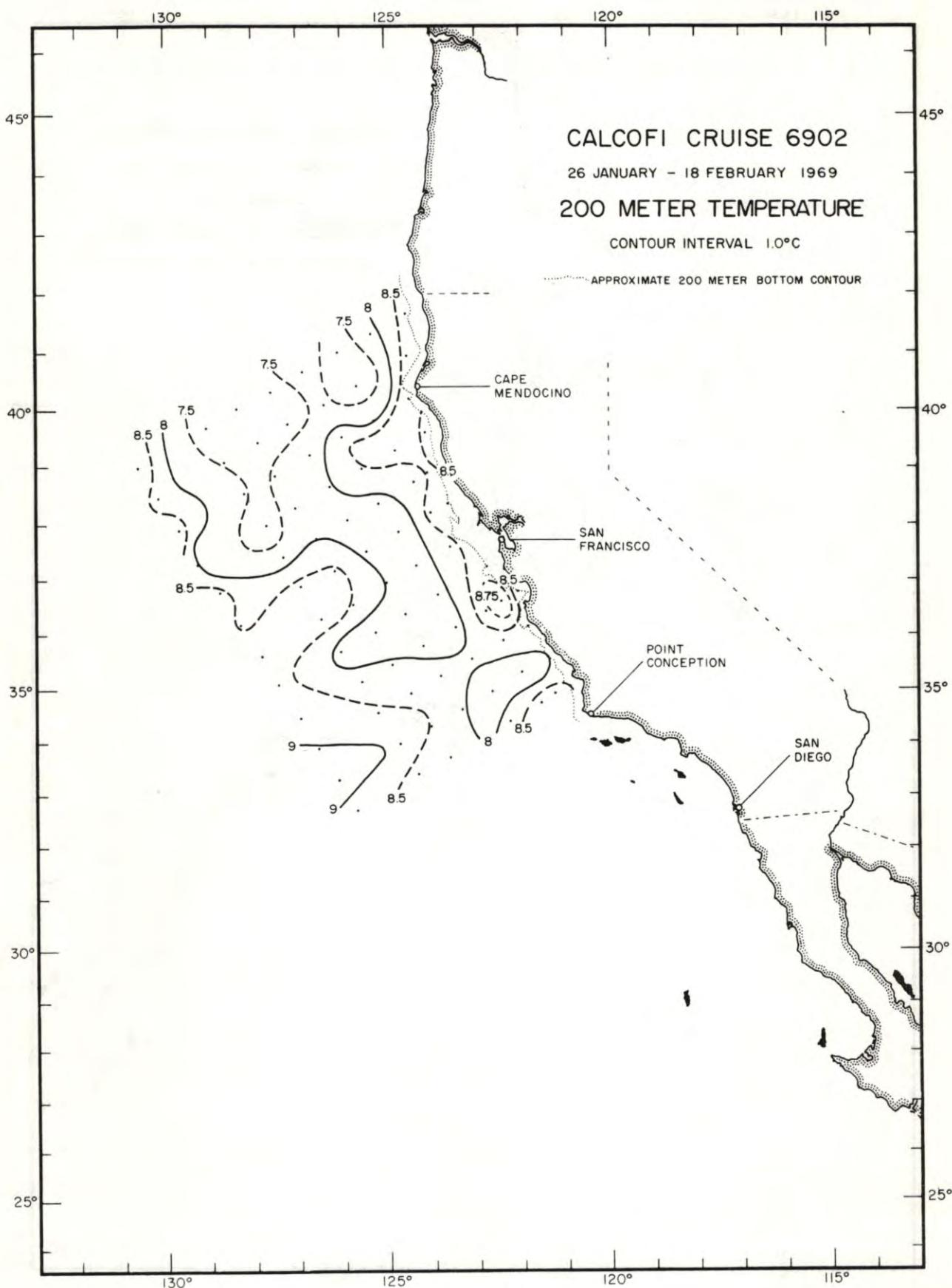


FIGURE 7

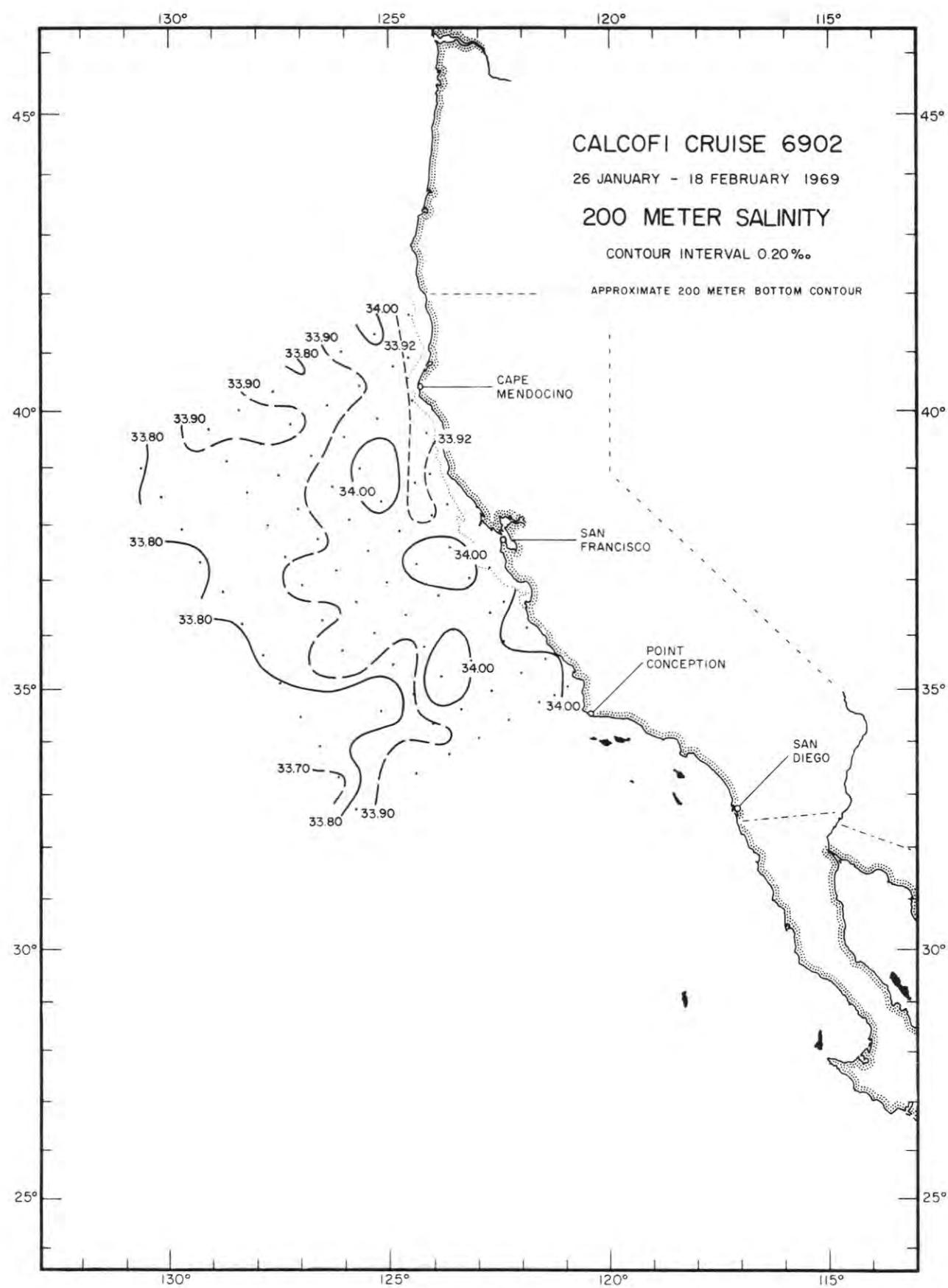


FIGURE 8

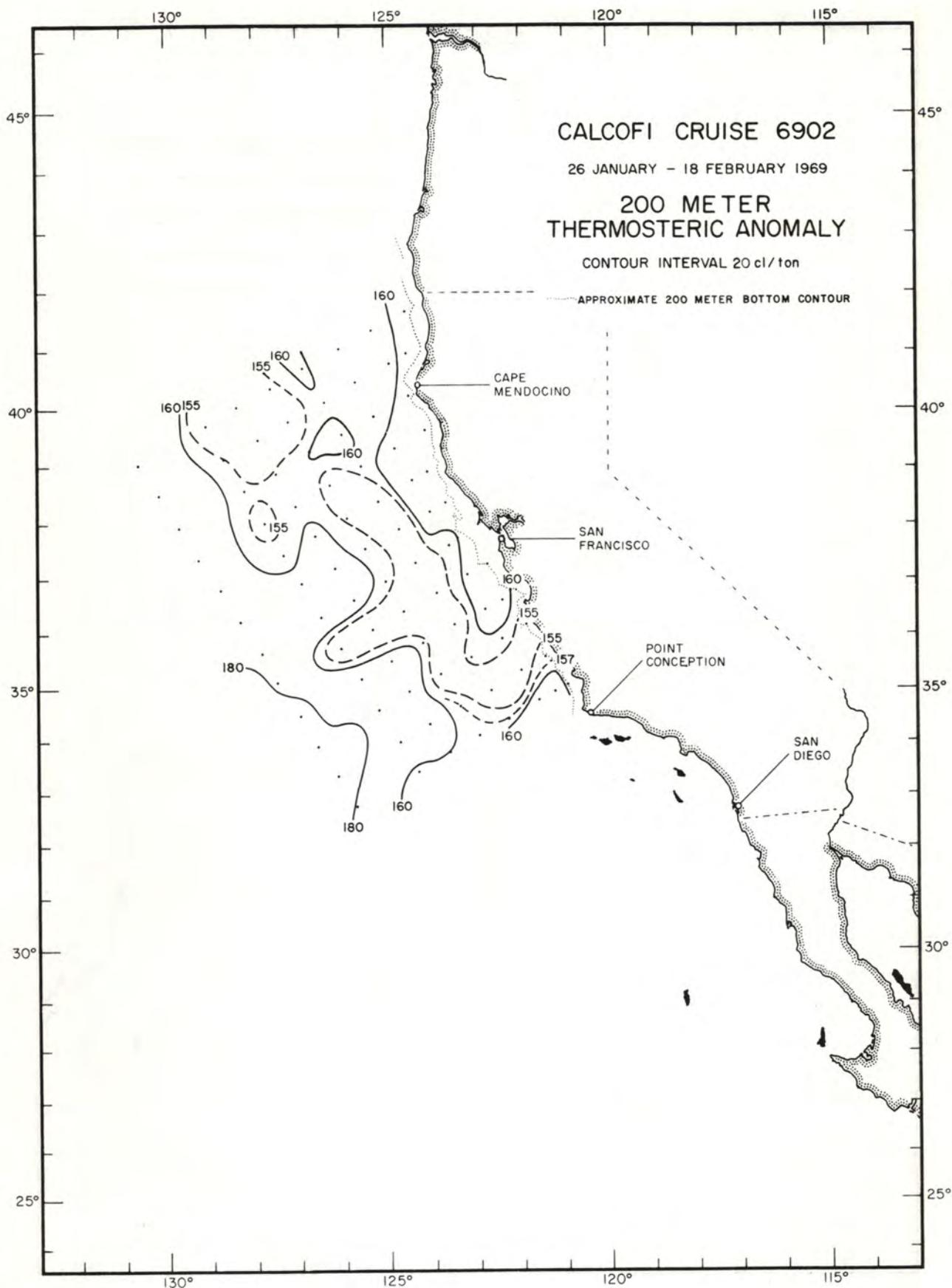


FIGURE 9

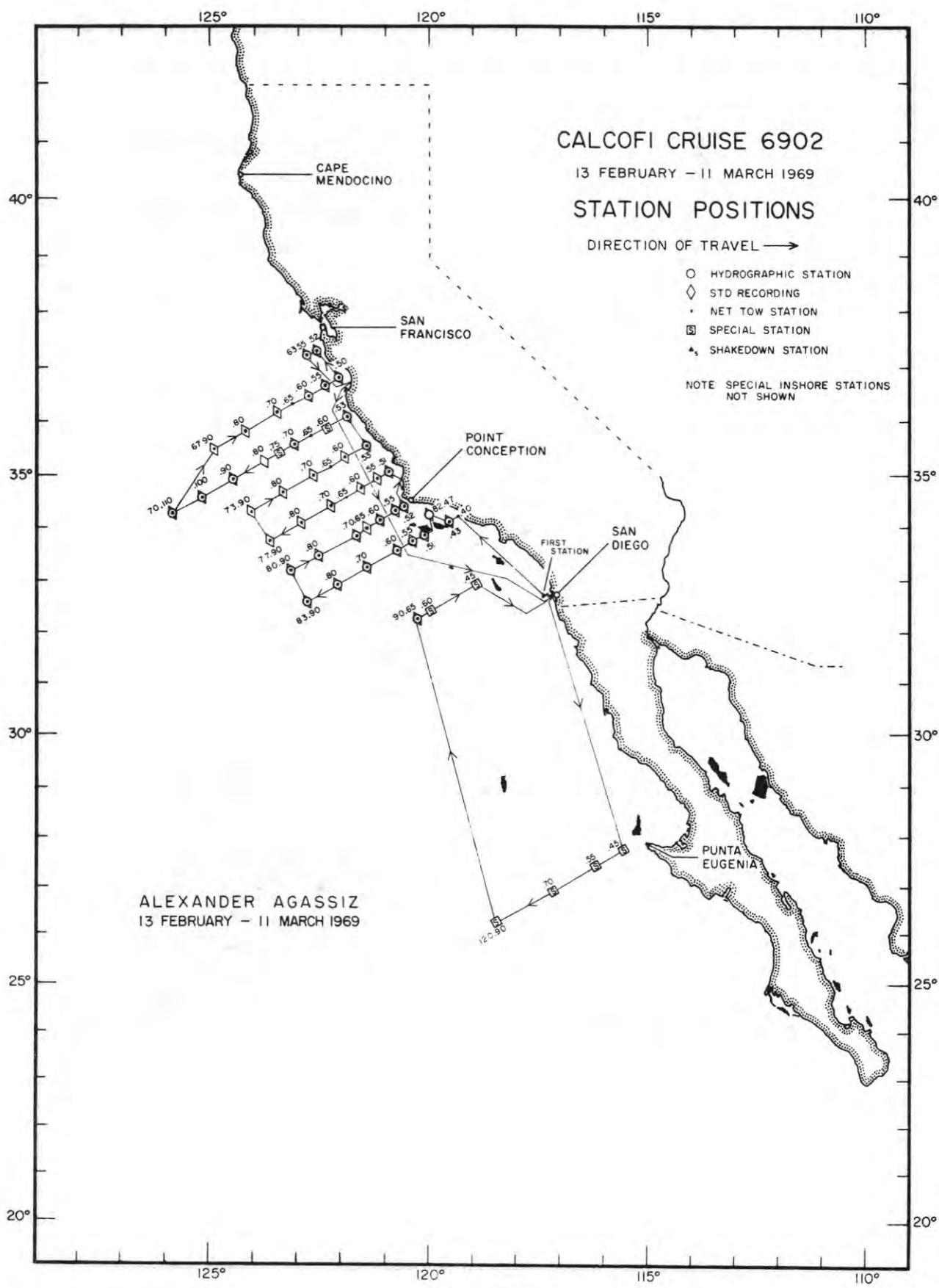


FIGURE 10

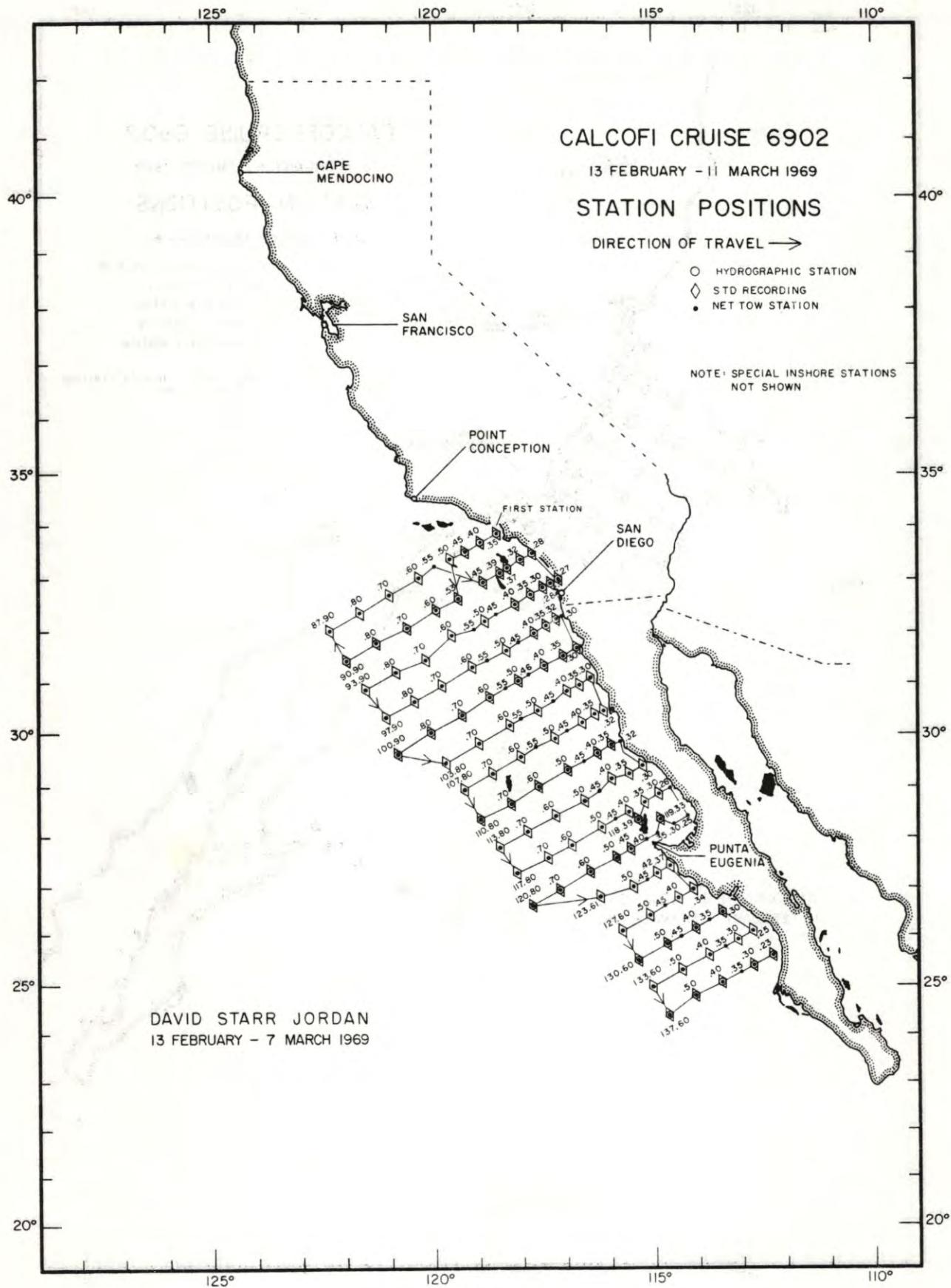


FIGURE II

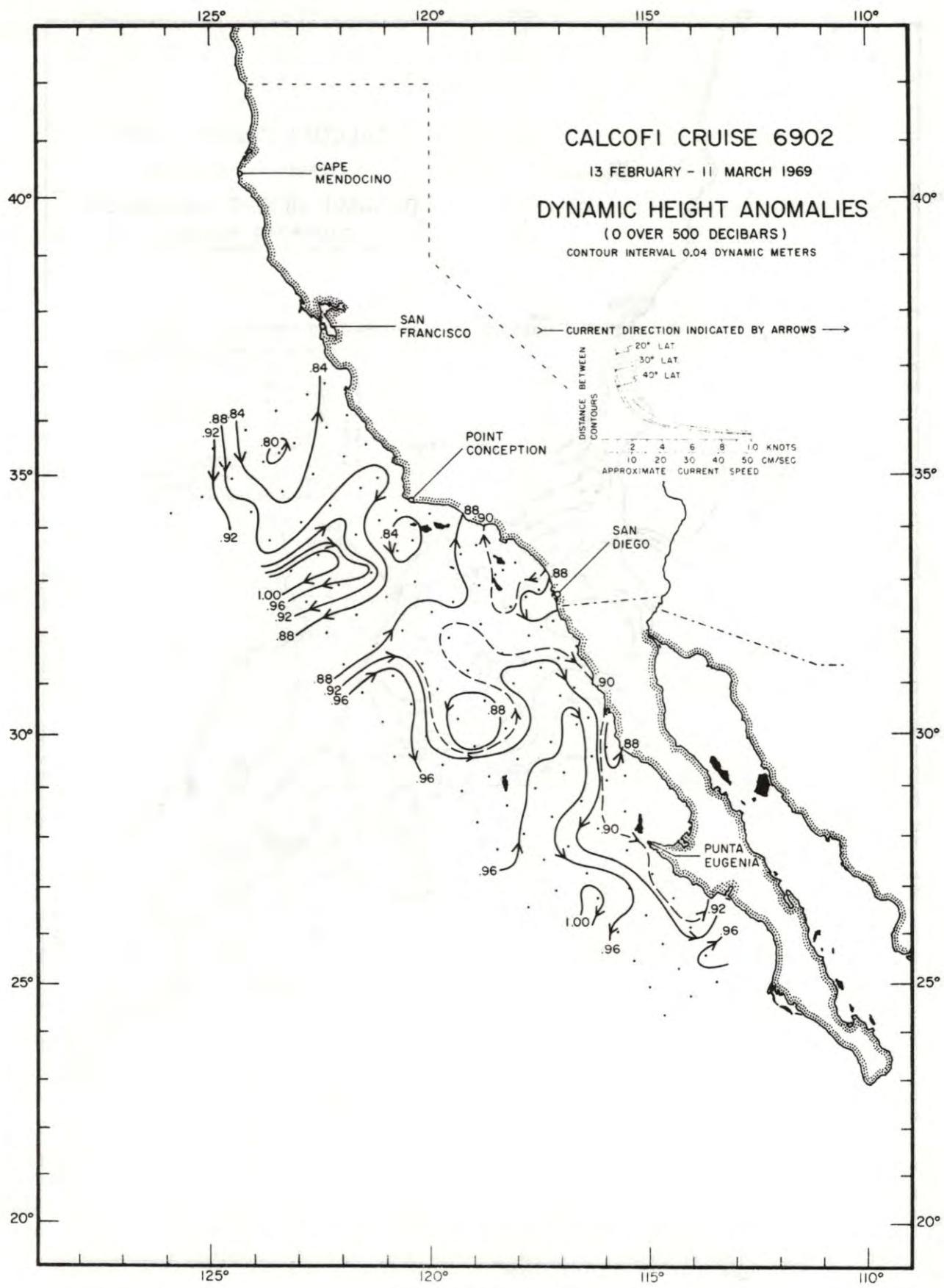


FIGURE I2

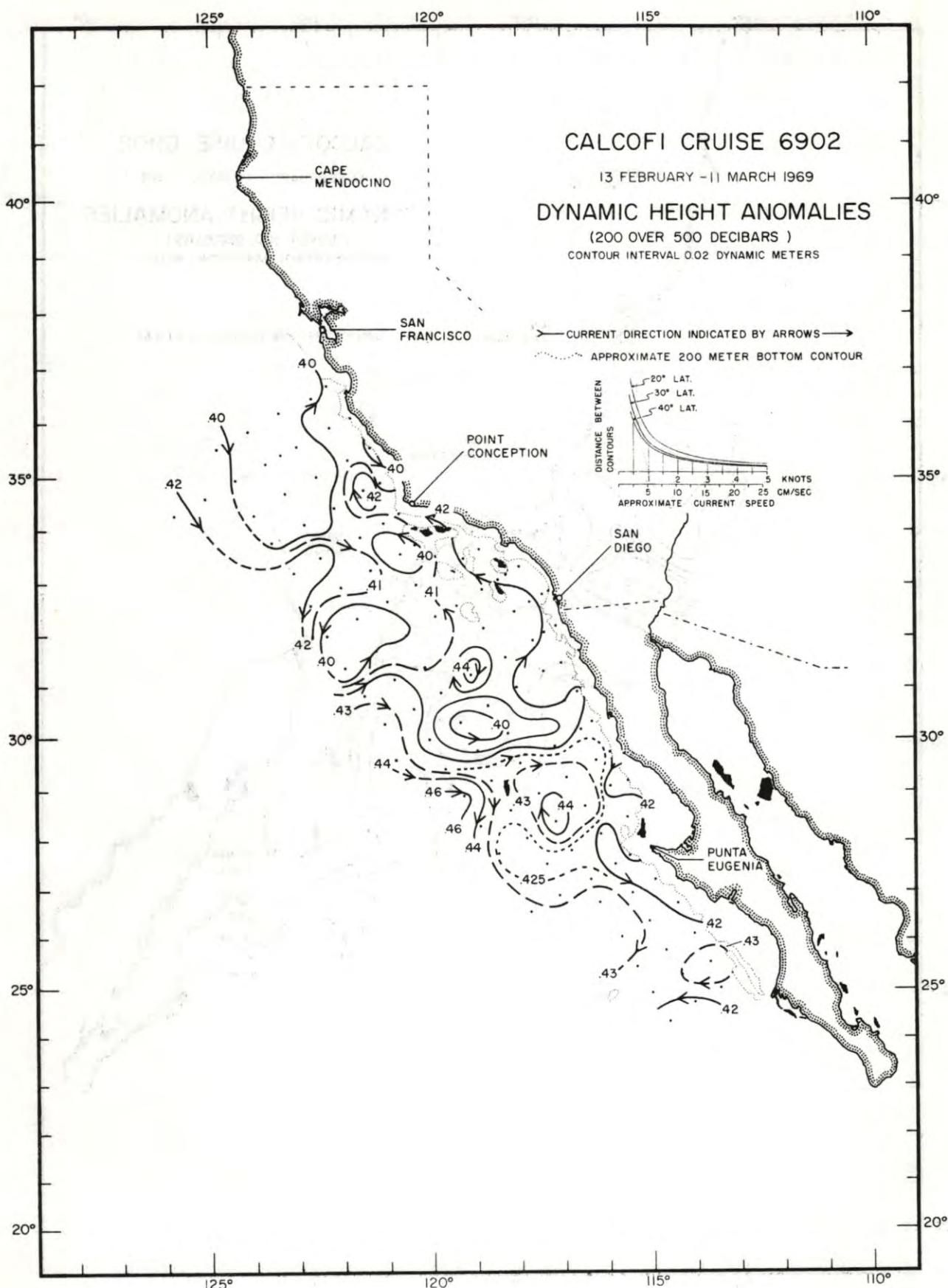


FIGURE 13

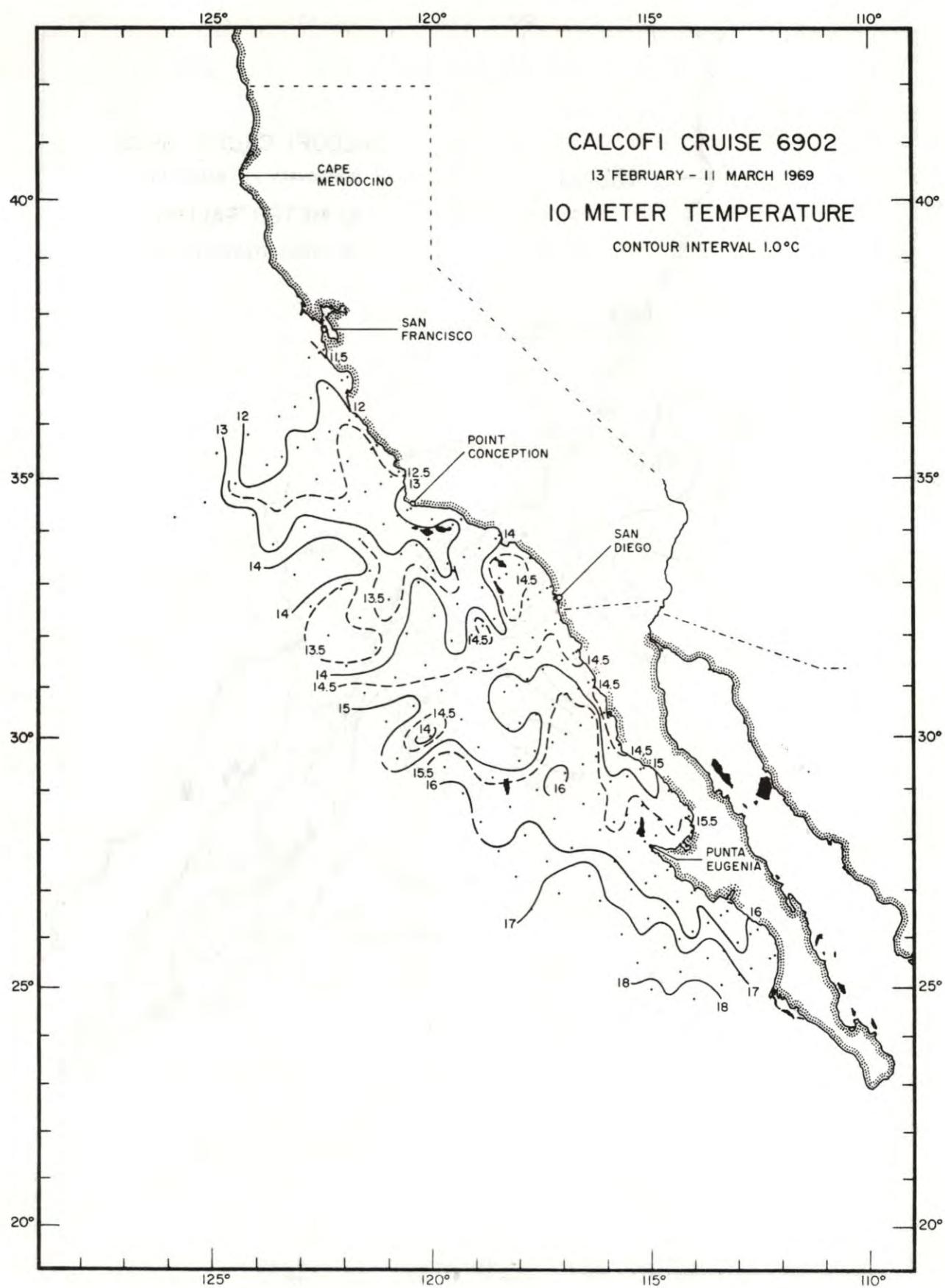


FIGURE 14

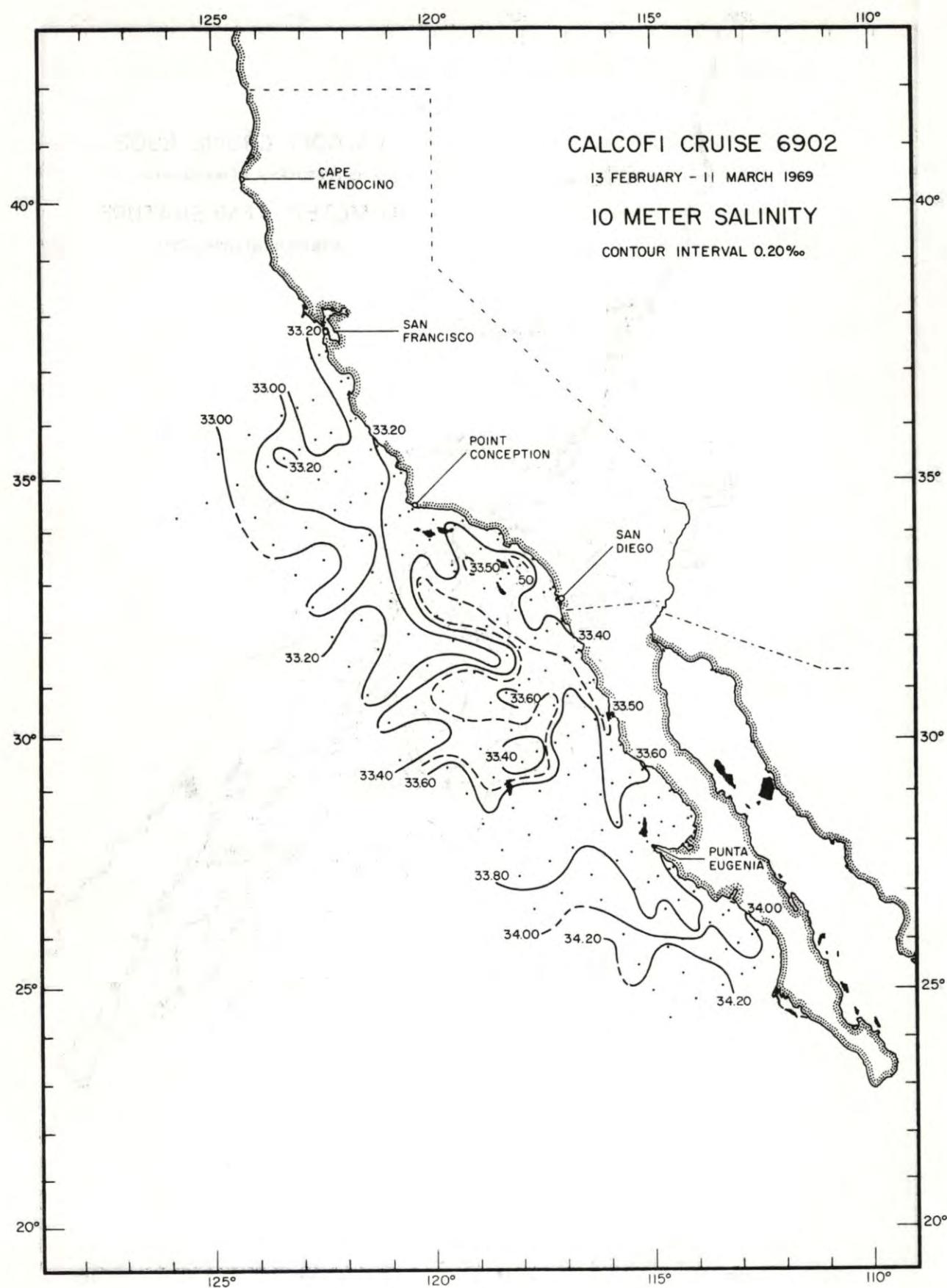


FIGURE 15

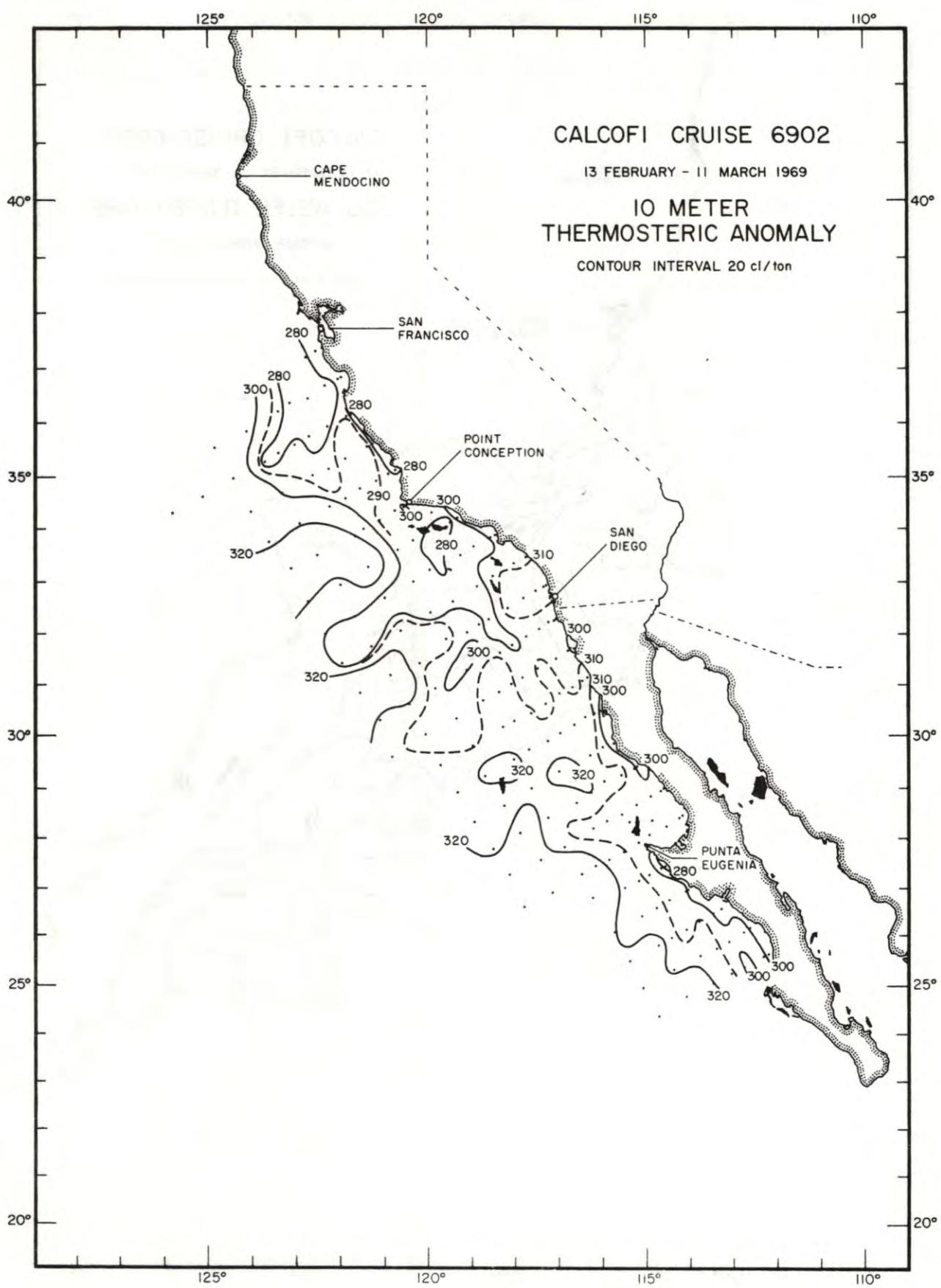


FIGURE 16

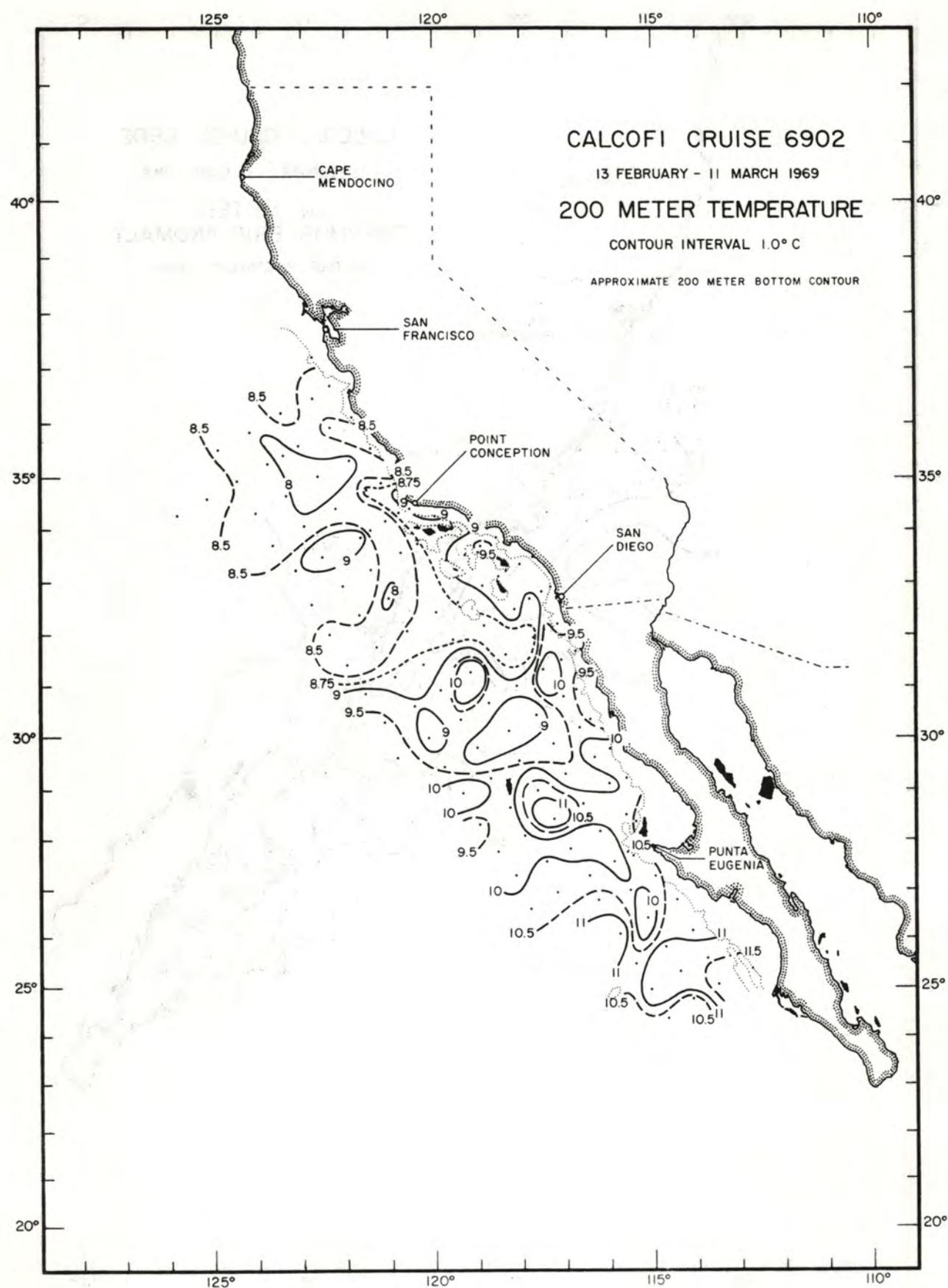


FIGURE 17

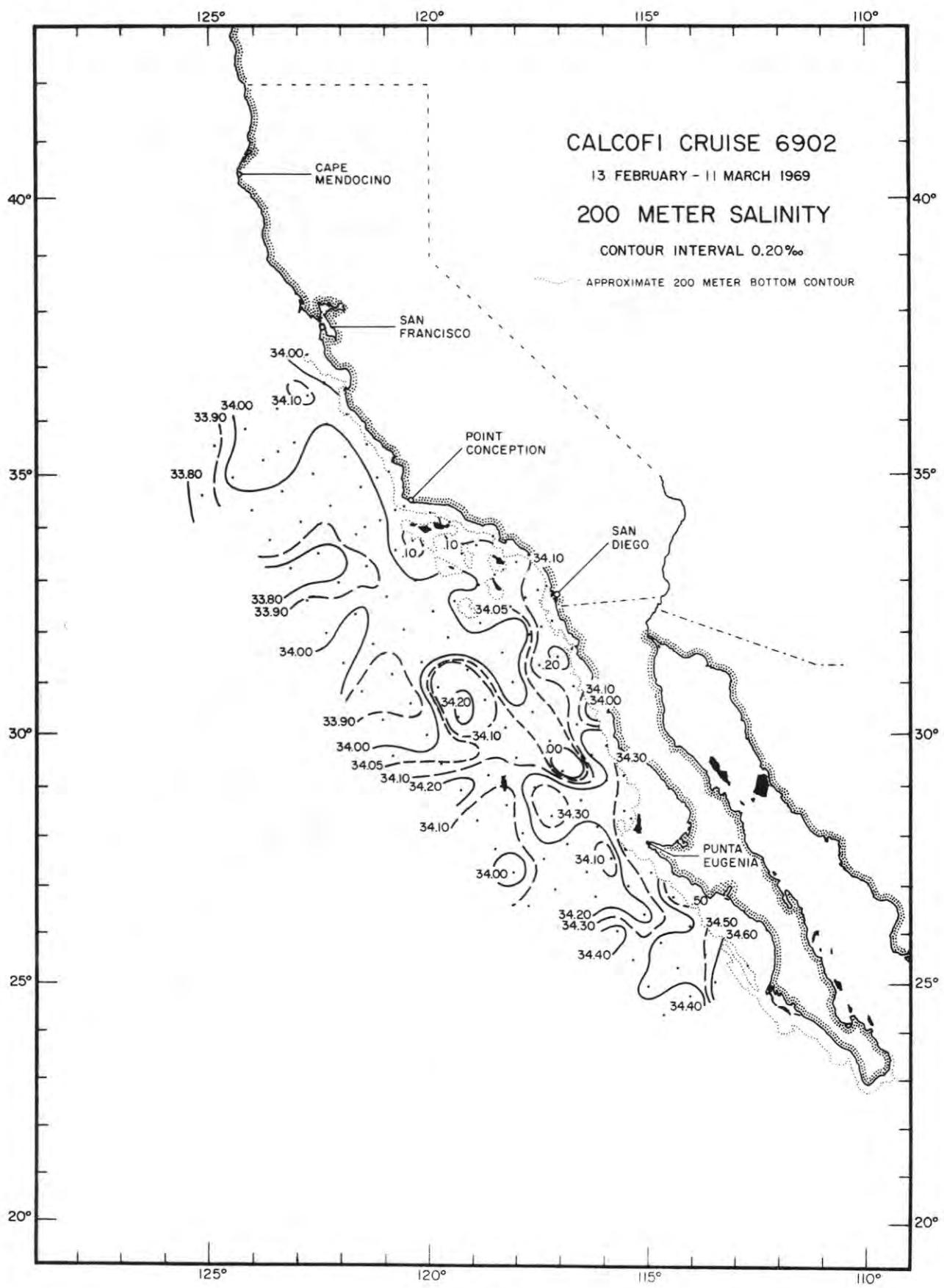


FIGURE 18

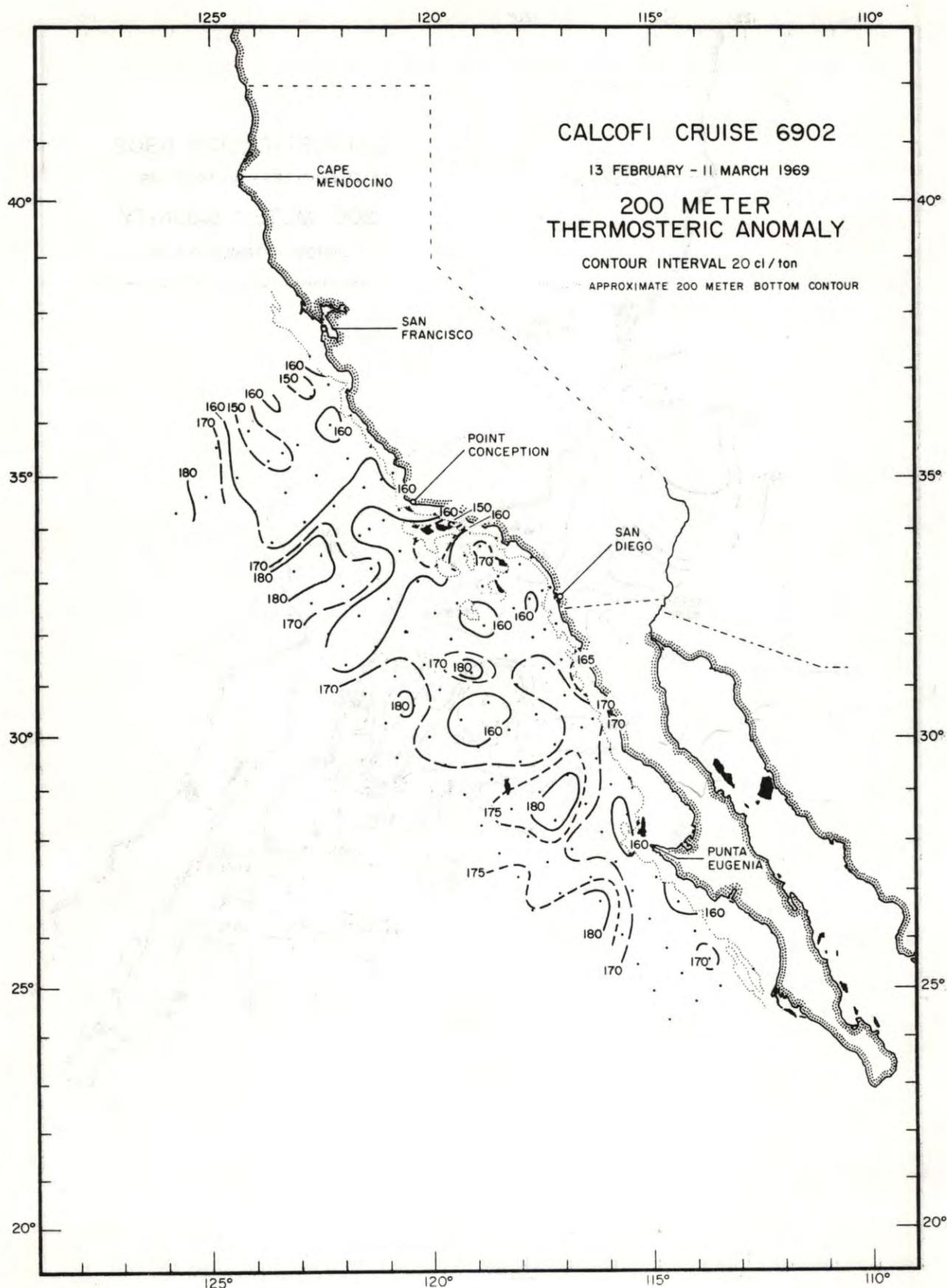


FIGURE 19

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, SIO
Brennen, Robert E.	Marine Technician, SIO
Hemingway, George T.	Marine Technician, SIO
Kalin, George A.	Physical Science Technician, BCF*
Kaye, Hugh R.	Electronics Technician, SIO
Muus, David A.	Marine Technician, SIO
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, SIO
Farrar, Lloyd J.	Marine Superintendent, BCF*
Graham, Jerry	Electronics Technician, SIO
Mauck, William W.	Marine Technician, SIO
Robertson, Scott B.	Marine Technician, SIO
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**
Solomon, 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.ON	124 38.0W	01/26/69	1848	GMT	290	290	25KT	2	300 12						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	9.75	32.18		24.818	314.0	0
									10	9.76	32.17		24.808	314.9	.031
									20	9.84	32.24		24.850	311.0	.063
									30	10.75	32.90		25.208	275.8	.092
									50	10.80	33.19		25.425	256.3	.146
									75	10.68	33.28		25.516	247.5	.209
									100	10.32	33.47		25.726	227.7	.269
									125	9.96	33.58		25.972	213.7	.325
									150	9.45	33.74		26.081	193.8	.376
									200	8.69	33.87		26.304	172.7	.470
									250	8.13	33.98		26.476	155.4	.554
									300	7.70	34.03		26.578	146.7	.632
									400	6.71	34.03		26.717	133.5	.777
									500	6.11	34.10		26.850	120.9	.911
									600	5.47	34.16		25.977	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.ON	125 23.0W	01/27/69	0306	GMT	3163M	270	30KT	2	220 15						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	9.93	32.54		25.068	290.2	0
									10	9.75	32.54		25.065	290.5	.029
									20	9.95	32.54		25.065	290.5	.058
									30	9.95	32.55		25.073	289.8	.087
									50	9.94	32.62		25.129	284.4	.145
									75	9.47	33.15		25.618	237.8	.210
									100	8.74	33.56		25.054	195.4	.265
									125	8.63	33.86		26.306	172.6	.312
									150	8.28	33.90		26.390	165.5	.354
									200	7.86	34.01		26.539	150.4	.435
									250	7.37	34.03		26.625	142.2	.510
									300	6.98	34.05		26.709	134.3	.581
									400	5.74	34.06		26.865	119.5	.712
									500	5.40	34.13		26.762	110.3	.833
									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.ON	126 08.0W	01/27/69	1016	GMT	3163M	310	20KT	1	320 15						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	9.79	32.57		25.115	285.8	0
									10	9.79	32.57		25.115	285.8	.029
									20	9.79	32.57		25.115	285.8	.057
									30	9.79	32.63		25.161	281.3	.086
									50	9.82	32.66		25.180	279.6	.142
									75	9.62	33.15		25.594	240.2	.207
									100	8.63	33.55		26.063	195.6	.262
									125	7.97	33.79		26.351	168.3	.308
									150	7.68	33.82		26.416	162.0	.350
									200	7.23	33.95		26.582	145.3	.428
									250	6.50	33.97		26.597	135.4	.500
									300	6.37	34.03		26.761	129.3	.568
									400	5.56	34.11		25.927	113.5	.694
									500	5.03	34.17		27.037	103.2	.808
									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.ON	126 54.5W	01/27/69	1638	GMT	3068M	300	35KT	6	320 15						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
									0	10.12	32.45		24.367	299.8	0
									10	10.12	32.45		24.367	299.8	.030
									20	10.12	32.45		24.367	299.8	.060
									30	10.13	32.45		24.365	300.0	.090
									50	10.13	32.45		24.365	300.0	.150
									75	10.10	32.47		24.385	298.1	.225
									100	8.95	32.82		25.444	254.4	.295
									125	8.30	33.20		25.840	216.8	.354
									150	8.16	33.53		26.119	190.3	.406
									200	7.66	33.80		25.404	163.2	.495
									250	6.89	33.89		26.582	145.3	.575
									300	6.29	33.95		26.709	134.3	.647
									400	5.48	34.02		26.865	119.5	.778
									500	5.00	34.08		25.969	109.5	.898
									600	4.65	34.18		27.087	98.4	1.007

RV MILLER FREEMAN

CALCOFI CRUISE 6902

40080

LATITUDE 40 23.0N	LONGITUDE 127 40.0W	MO/DAY/YR 01/27/69	MESSENGER TIME 2106 GMT	BOTTOM 1479M	WIND 300	SPEED 35KT	WEATHER 6	DOMINANT WAVES 310 19							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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		25.883	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		26.776	109.0	.874
									600	4.48	34.19		27.114	95.9	.982

RV MILLER FREEMAN

CALCOFI CRUISE 6902

40090

LATITUDE 40 03.0N	LONGITUDE 128 25.0W	MO/DAY/YR 01/28/69	MESSENGER TIME 0247 GMT	BOTTOM 4588M	WIND 320	SPEED 40KT	WEATHER 6	DOMINANT WAVES 320 20							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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	.395
									200	7.42	33.91		26.524	151.8	.479
									250	6.80	33.72		26.518	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	108.5	.876
									600	4.62	34.21		27.115	95.8	.983

RV MILLER FREEMAN

CALCOFI CRUISE 6902

40100

LATITUDE 39 43.0N	LONGITUDE 129 10.0W	MO/DAY/YR 01/28/69	MESSENGER TIME 0840 GMT	BOTTOM 4493M	WIND 320	SPEED 40KT	WEATHER 7	DOMINANT WAVES 320 20							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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		25.116	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 39 03.0N	LONGITUDE 130 39.0W	MO/DAY/YR 01/28/69	MESSENGER TIME 2000 GMT	BOTTOM 416M	WIND 350	SPEED 40KT	WEATHER 1	DOMINANT WAVES 350 22							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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	7.57	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 CALCOFI CRUISE 6902 43045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
40 58.0N	124 34.5W	01/30/69	1255 GMT	603M	300	25KT	1	300 14							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	10.57	32.89		25.232	274.5	0
									10	10.66	32.97		25.278	270.2	.027
									20	10.71	33.03		25.316	266.5	.054
									30	10.75	33.07		25.340	264.3	.081
									50	10.79	33.08		25.341	264.2	.134
									75	11.06	33.34		25.495	249.6	.198
									100	10.63	33.38		25.602	233.4	.260
									125	9.79	33.63		25.940	207.3	.316
									150	9.61	33.75		26.063	195.6	.367
									200	8.87	33.86		25.268	175.1	.462
									250	7.98	33.96		26.482	155.8	.547
									300	7.30	34.03		26.635	141.3	.623
									400	6.64	34.08		25.765	128.9	.764
									500	5.58	34.13		26.940	112.4	.890

RV MILLER FREEMAN CALCOFI CRUISE 6902 43050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
40 48.0N	124 57.0W	01/30/69	0935 GMT	2841M	300	30KT	1	300 14							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	10.35	32.66		25.091	288.0	0
									10	10.35	32.66		25.091	288.0	.029
									20	10.36	32.68		25.105	285.7	.058
									30	10.43	32.70		25.108	285.4	.086
									50	10.64	32.86		25.196	274.0	.143
									75	9.89	33.12		25.526	245.6	.209
									100	8.82	33.48		25.977	203.6	.265
									125	8.50	33.74		26.232	179.6	.314
									150	8.38	33.89		26.367	166.7	.358
									200	7.75	33.95		26.508	153.3	.439
									250	6.91	33.97		26.642	140.6	.514
									300	6.65	34.02		26.717	133.5	.585
									400	5.54	34.02		26.057	196.2	.754
									500	5.01	34.10		26.384	108.2	.911
									600	4.91	34.22		27.090	98.2	1.020

RV MILLER FREEMAN CALCOFI CRUISE 6902 43060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
40 28.0N	125 43.0W	01/30/69	0454 GMT	2973M	310	35KT	6	300 18							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	9.56	32.62		25.191	278.5	0
									10	9.55	32.62		25.193	278.3	.028
									20	9.55	32.62		25.193	278.3	.056
									30	9.55	32.63		25.200	277.5	.084
									50	9.55	32.63		25.200	277.5	.139
									75	8.67	32.92		25.565	242.9	.205
									100	8.31	33.47		25.050	195.9	.260
									125	8.04	33.65		26.231	179.7	.307
									150	7.77	33.77		26.364	167.0	.351
									200	7.12	33.88		26.543	150.0	.432
									250	6.77	33.95		26.646	140.3	.505
									300	6.32	33.98		26.729	132.4	.576
									400	5.56	34.00		26.840	121.9	.708
									500	4.99	34.11		26.994	107.3	.828
									600	4.68	34.21		27.108	96.4	.935

RV MILLER FREEMAN CALCOFI CRUISE 6902 43070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
40 07.0N	126 28.0W	01/30/69	0022 GMT	4318M	310	30KT	1	300 18							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	10.81	32.55		24.926	303.7	0
									10	10.81	32.55		24.926	303.7	.030
									20	10.81	32.55		24.926	303.7	.061
									30	10.82	32.55		24.925	303.9	.091
									50	10.84	32.56		24.923	303.4	.152
									75	10.20	33.07		25.435	255.3	.222
									100	9.19	33.32		25.796	221.0	.282
									125	8.55	33.53		25.060	195.3	.335
									150	8.13	33.76		26.303	172.8	.381
									200	7.56	33.87		26.473	155.7	.465
									250	6.90	33.95		26.628	142.0	.542
									300	6.35	33.97		26.717	133.5	.613
									400	5.58	34.03		26.861	119.9	.744
									500	4.99	34.13		27.010	105.8	.862
									600	4.53	34.19		27.098	97.4	.969

RV MILLER FREEMAN CALCOFI CRUISE 6902 43080

LATITUDE 39 48.0N	LONGITUDE 127 13.0W	MO/DAY/YR 01/29/69	MESSENGER TIME 2001 GMT	BOTTOM 4493M	WIND 300	SPEED 35KT	WEATHER 6	DOMINANT WAVES 300 15							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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		25.482	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		26.559	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 CALCOFI CRUISE 6902 43090

LATITUDE 39 28.0N	LONGITUDE 127 58.0W	MO/DAY/YR 01/29/69	MESSENGER TIME 1617 GMT	BOTTOM 4302M	WIND 300	SPEED 30KT	WEATHER 1	DOMINANT WAVES 300 14							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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 CALCOFI CRUISE 6902 43100

LATITUDE 39 08.0N	LONGITUDE 128 43.0W	MO/DAY/YR 01/29/69	MESSENGER TIME 1050 GMT	BOTTOM 4308M	WIND 360	SPEED 10KT	WEATHER 6	DOMINANT WAVES 360 12							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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 CALCOFI CRUISE 6902 43120

LATITUDE 38 29.0N	LONGITUDE 130 12.0W	MO/DAY/YR 01/29/69	MESSENGER TIME 0130 GMT	BOTTOM 4825M	WIND 360	SPEED 35KT	WEATHER 2	DOMINANT WAVES 350 20							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.90	33.02		24.902	305.0	0
									10	12.91	33.02		24.900	305.2	.031
									20	12.92	33.02		24.998	305.3	.061
									30	12.93	33.02		24.996	305.5	.092
									50	12.93	33.02		24.896	305.5	.153
									75	12.93	33.02		24.896	305.5	.231
									100	12.91	33.02		24.700	305.2	.308
									125	11.07	33.18		25.369	261.5	.379
									150	9.25	33.31		25.779	222.6	.440
									200	6.23	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 40 14.0N		LONGITUDE 124 33.0W		MO/DAY/YR 01/30/69	MESSENGER 1942	TIME GMT	BOTTOM 421M	WIND 320	SPEED 20KT	WEATHER 1	DOMINANT WAVES 320 12			47050		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	228.4	.257	
									125	9.50	33.65		26.003	201.3	.311	
									150	9.23	33.69		26.078	194.2	.361	
									200	8.20	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 39 55.0N		LONGITUDE 125 18.0W		MO/DAY/YR 01/31/69	MESSENGER 0045	TIME GMT	BOTTOM 2785M	WIND 360	SPEED 30KT	WEATHER 2	DOMINANT WAVES 360 12			47060		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD	
									0	10.69	32.64		25.017	295.0	0	
									10	10.56	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	33.11		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	109.2	.835	
									600	4.84	34.19		27.074	99.5	.946	

RV MILLER FREEMAN

CALCOFI CRUISE 6902

47070

LATITUDE 39 35.0N		LONGITUDE 126 02.0W		MO/DAY/YR 01/31/69	MESSENGER 0459	TIME GMT	BOTTOM 391RM	WIND 360	SPEED 30KT	WEATHER 1	DOMINANT WAVES 360 12			47070		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	33.71		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 39 15.0N		LONGITUDE 126 47.0W		MO/DAY/YR 01/31/69	MESSENGER 0900	TIME GMT	BOTTOM 4245M	WIND 340	SPEED 10KT	WEATHER 0	DOMINANT WAVES 360 10			47080		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD	
									0	10.98	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	10.98	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	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		25.475	156.5	.465
									250	6.93	33.94		25.516	143.1	.542
									300	6.51	33.96		25.588	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	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	H.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	33.98		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	105.5	.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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	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	260.5	.138
									75	9.18	33.22		25.720	228.2	.200
									100	9.23	33.68		25.070	194.9	.253
									125	9.23	33.82		26.180	184.5	.301
									150	9.02	33.88		26.260	175.9	.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	137.5	.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	MESSENDER 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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
39 00.0N	125 36.5W	02/02/69	0024 GMT	4068M	310	20KT	1	310 14							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S10T	DT	DD
				0	10.42	32.60		25.032	293.5		0				
				10	10.42	32.60		25.032	293.5		.029				
				20	10.42	32.60		25.032	293.5		.059				
				30	10.42	32.60		25.032	293.5		.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	MESSENDER 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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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		26.185	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	MESSENDER 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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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 6902 50100

LATITUDE 38 00.0N	LONGITUDE 127 49.0W	MO/DAY/YR 02/01/69	MESSANGER TIME 1120 GMT	BOTTOM 4689M	WIND 310	SPEED 20KT	WEATHER 1	DOMINANT WAVES 310 10							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	DT	DD
									0	11.86	32.57	24.753	320.2		0
									10	11.85	32.57	24.755	320.0	.032	
									20	11.86	32.57	24.753	320.2	.064	
									30	11.86	32.57	24.753	320.2	.096	
									50	11.87	32.57	24.751	320.4	.160	
									75	9.50	32.84	25.372	261.3	.233	
									100	9.30	33.35	25.802	220.4	.294	
									125	8.55	33.58	25.099	192.2	.346	
									150	8.12	33.73	26.281	174.9	.393	
									200	7.32	33.87	25.507	153.4	.476	
									250	6.72	33.93	25.637	141.1	.551	
									300	6.27	34.00	26.751	130.3	.621	
									400	5.40	34.05	26.898	116.3	.749	
									500	4.87	34.12	27.015	105.2	.865	
									600	4.56	34.21	27.121	95.2	.971	

RV MILLER FREEMAN CALCOFI CRUISE 6902 50120

LATITUDE 37 20.0N	LONGITUDE 129 16.5W	MO/DAY/YR 02/01/69	MESSANGER TIME 0430 GMT	BOTTOM 4884M	WIND 300	SPEED 25KT	WEATHER 6	DOMINANT WAVES 300 10							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	DT	DD
									0	11.66	32.57	24.790	315.7		0
									10	11.65	32.57	24.792	316.5	.032	
									20	11.55	32.57	24.792	316.5	.063	
									30	11.55	32.57	24.792	316.5	.095	
									50	11.66	32.57	24.790	316.7	.159	
									75	11.73	32.61	25.808	315.0	.238	
									100	9.87	32.75	25.241	273.7	.312	
									125	9.02	33.10	25.651	234.7	.376	
									150	8.57	33.45	25.994	202.1	.431	
									200	7.98	33.79	26.349	168.4	.525	
									250	7.27	33.88	26.522	152.0	.607	
									300	6.53	33.90	26.525	142.2	.683	
									400	5.49	33.89	26.761	129.3	.823	
									500	5.03	34.02	26.918	114.4	.950	
									600	4.86	34.14	27.032	103.6	1.065	

RV MILLER FREEMAN CALCOFI CRUISE 6902 53055

LATITUDE 38 56.0N	LONGITUDE 124 05.0W	MO/DAY/YR 02/02/69	MESSANGER TIME 1757 GMT	BOTTOM 1254M	WIND 310	SPEED 15KT	WEATHER 0	DOMINANT WAVES 300 08							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	DT	DD
									0	10.96	33.10	25.327	265.5		0
									10	10.96	33.10	25.327	265.6	.027	
									20	10.96	33.10	25.327	265.6	.053	
									30	10.96	33.10	25.327	265.6	.080	
									50	10.97	33.15	25.364	262.1	.133	
									75	10.52	33.35	25.598	239.8	.196	
									100	10.07	33.63	25.893	211.8	.253	
									125	9.58	33.74	25.060	195.9	.304	
									150	9.29	33.86	26.201	182.5	.352	
									200	8.53	33.96	26.399	163.7	.440	
									250	8.15	34.05	26.527	151.5	.521	
									300	7.64	34.07	26.618	142.9	.597	
									400	6.80	34.07	26.736	131.7	.740	
									500	5.86	34.12	26.897	116.4	.870	
									600	5.25	34.22	27.050	101.9	.986	

RV MILLER FREEMAN CALCOFI CRUISE 6902 53060

LATITUDE 38 46.0N	LONGITUDE 124 27.0W	MO/DAY/YR 02/02/69	MESSANGER TIME 2025 GMT	BOTTOM 3353M	WIND 310	SPEED 12KT	WEATHER 0	DOMINANT WAVES 300 08							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	DT	DD
									0	11.47	33.15	25.274	270.6		0
									10	11.42	33.15	25.283	269.8	.027	
									20	11.41	33.15	25.285	269.6	.054	
									30	11.40	33.15	25.286	269.4	.081	
									50	11.40	33.15	25.286	269.4	.135	
									75	10.33	33.27	25.568	242.6	.199	
									100	9.51	33.66	25.993	202.3	.255	
									125	9.47	33.78	26.109	191.2	.305	
									150	9.10	33.83	26.208	181.8	.352	
									200	8.05	33.87	26.401	163.5	.440	
									250	7.66	33.98	26.545	149.9	.521	
									300	7.29	34.06	26.660	138.9	.595	
									400	6.70	34.13	26.796	126.0	.733	
									500	5.44	34.09	26.925	113.8	.858	
									600	4.89	34.15	27.037	103.2	.973	

RV MILLER FREEMAN CALCOFI CRUISE 6902 53070

LATITUDE	LONGITUDE	MD/DAY/YR	MESSINGER 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	S107	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	.326
									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	MD/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
38 06.0N	125 55.0W	02/03/69	0456 GMT	4302M	360	10KT	2	340 05							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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	MD/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 46.0N	126 39.0W	02/03/69	0900 GMT	4498M	350	10KT	2	340 05							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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	MD/DAY/YR	MESSINGER 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	S107	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	4.55	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	13.52	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		25.945	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	9.80	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		25.398	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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 46.0W	02/04/69	2000 GMT	4062M	190	22KT	2	320 03							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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		25.086	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		26.861	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	MESSENDER	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	SIGT	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	179.1	.356				
						200	7.75	33.90	25.469	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	26.786	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	MESSENDER	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	SIGT	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	24.758	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	25.399	163.7	.493				
						250	8.08	34.05	26.538	150.5	.574				
						300	7.60	34.07	25.624	142.3	.649				
						400	6.77	34.12	26.779	127.6	.790				
						500	5.82	34.16	25.934	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	MESSENDER	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	SIGT	DT	DD
						0	12.07	32.73	24.938	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	5.12	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	MESSENDER	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	SIGT	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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
									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	138.5	.602
									400	6.51	34.13		26.822	123.5	.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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	106.2	.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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	MESSANGER 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	S103	DT	DD	
					0	11.68	32.60		24.809	314.8		0				
					10	11.68	32.59		24.802	315.5		.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	10.63	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 02/05/69	MESSANGER 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	S103	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		26.292	173.9		.515				
					250	7.88	33.93		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		26.937	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	MESSANGER 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	S103	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	318.5		.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	268.2		.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		.626				
					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 63052

LATITUDE 37 19.0N	LONGITUDE 122 36.0W	MO/DAY/YR 02/08/69	MESSANGER 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	S103	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	MESSENDER 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	C2	PC4	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	11.55	32.92		25.081	289.0	0
									10	11.56	32.92		25.079	289.1	.029
									20	11.63	33.01		25.136	283.7	.058
									30	11.69	33.10		25.195	278.2	.086
									50	11.67	33.20		25.276	270.4	.141
									75	11.41	33.36		25.447	254.1	.207

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

63052

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER 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	D2	P04	S103	N02	N03	DT	Z	T	S	02	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.	.26	4.1				50				6.10		
74	5.30	1.35	11.	.23	10.8										

RV MILLER FREEMAN

CALCOFI CRUISE 6902

63055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 13.0N	122 50.0W	02/08/69	1230 ZT	293M	180	15KT	2	200 05							
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	11.75	33.22		25.276	270.4	0
									10	11.75	33.22		25.276	270.4	.027
									20	11.75	33.22		25.276	270.4	.054
									30	11.75	33.22		25.276	270.4	.081
									50	11.73	33.25		25.303	257.8	.135
									75	10.82	33.41		25.592	240.4	.199
									100	9.98	33.67		25.939	207.4	.256
									125	9.52	33.75		26.061	195.8	.306
									150	9.28	33.81		26.164	186.0	.355
									200	8.51	33.94		26.371	166.3	.445
									250	7.99	33.96		26.481	155.9	.527

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

63055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 12.5N	122 49.5W	02/27/69	1720 GMT	331M	140	30KT	2	140 10 09							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	02	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.	.16	4.8					30				6.12		
45	5.79	8.	.08	1.20					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	1.93	29.	.04	39.8										

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

63055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 12.5N	122 49.5W	02/27/69	1740 GMT	331M	140	30KT	2	140 10 09							
Z	T	S	D2	PC4	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	11.66	33.09		25.192	278.4	0
									10	11.66	33.09		25.192	278.4	.028
									20	11.66	33.09		25.192	278.4	.056
									30	11.66	33.10		25.200	277.6	.084
									50	11.27	33.39		25.496	249.5	.136
									75	10.88	33.49		25.643	235.5	.197
									100	10.45	33.57		25.781	222.4	.255
									125	9.86	33.70		25.983	203.2	.309
									150	9.50	33.79		26.112	190.9	.359
									200	8.85	33.95		26.342	169.1	.451
									250	8.44	34.02		26.460	157.9	.534
									300	7.99	34.07		26.567	147.8	.613

RV MILLER FREEMAN

CALCOFI CRUISE 5902

63060

LATITUDE 37 03.ON	LONGITUDE 123 12.0W	MO/DAY/YR 02/08/69	MESSENGER 0933	TIME GMT	BOTTOM 2576M	WIND 180	SPEED 20KT	WEATHER 0	Dominant Waves 200 06						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S103	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		26.431	160.7	.431
									250	8.27	34.10		26.548	149.5	.511
									300	8.02	34.14		26.617	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

BY MILLER FREEMAN

CALCOETI CRUISE 5902

63070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	POTTERM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	D2	PD4	S103	N02	N03	DT	L	T	S	D2	S13T	DT	DD
36 42.5N	123 55.0W	02/08/69	0454	GMT	391BM	200	12KT						200	06	
									0	12.00	32.97		25.036	293.2	0
						10	11.92	32.96	10	25.043	292.5		.029		
						20	11.83	32.97	20	25.068	290.2		.058		
						30	11.82	32.97	30	25.070	290.0		.088		
						50	11.82	32.98	50	25.078	289.3		.146		
						75	11.26	33.05	75	25.234	274.4		.216		
						100	9.42	33.55	100	25.938	207.4		.277		
						125	8.87	33.69	125	26.135	188.7		.327		
						150	8.39	33.84	150	26.327	170.5		.373		
						200	7.81	33.98	200	26.523	151.9		.455		
						250	7.18	33.99	250	26.621	142.5		.530		
						300	6.73	34.05	300	26.730	132.3		.601		
						400	5.92	34.07	400	26.851	120.8		.732		
						500	5.30	34.14	500	26.981	108.4		.853		
						600	4.97	34.24	600	27.110	94.3		.964		

BY MILLIE E. FREEMAN

CALCET CRUISE 6903

43880

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
36 23.0N	124 38.5W	02/06/69	0040	GMT	4270M	180	04KT	2	190	07					
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	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	25.462	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	27.122	94.2	.952	

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LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S103	DT	DD		
									0	11.45	32.82		25.022	29.6	0		
									10	11.26	32.80		25.040	29.8	.029		
									20	11.24	32.80		25.044	29.5	.059		
									30	11.23	32.80		25.046	29.3	.088		
									50	11.23	32.81		25.054	29.1	.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		25.322	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	106.7	.834		
									600	4.44	34.21		27.122	95.1	.941		

RV MILLER FREEMAN

CALCOFI CRUISE 6902

63100

LATITUDE 35 43.0N		LONGITUDE 126 03.0W		MO/DAY/YR 02/07/69		MESSENGER TIME 1650 GMT		BOTTOM 4688M		WIND 310	SPEED 08KT	WEATHER 2	DOMINANT WAVES 320 07		
Z	T	S	D2	P04	SIG3	N02	N03	DT	Z	T	S	D2	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	.436
									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		26.472	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 35 05.0N		LONGITUDE 127 30.0W		MO/DAY/YR 02/07/69		MESSENGER TIME 1010 GMT		BOTTOM 4669M		WIND 320	SPEED 05KT	WEATHER 1	DOMINANT WAVES 320 10		
Z	T	S	D2	P04	SIG3	N02	N03	DT	Z	T	S	D2	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	10.20	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	33.99		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 36 48.0N		LONGITUDE 122 05.0W		MO/DAY/YR 02/08/69		MESSENGER TIME 2106 GMT		BOTTOM 494M		WIND 090	SPEED 10KT	WEATHER 2	DOMINANT WAVES 270 03		
Z	T	S	D2	P04	SIG3	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.17	33.08		25.089	288.2	0
									10	12.12	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		25.346	206.7	.259
									125	8.95	33.84		25.240	178.8	.307
									150	8.82	33.92		26.323	170.9	.352
									200	8.39	34.01		25.460	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 36 48.0N		LONGITUDE 122 05.0W		MO/DAY/YR 02/26/69		MESSENGER TIME 1731 GMT		BOTTOM 159M		WIND 110	SPEED 15KT	WEATHER 1	DOMINANT WAVES 130 07 08		
Z	T	S	D2	P04	SIG3	N02	N03	DT	Z	T	S	D2	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	11.49	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 36 48.0N				LONGITUDE 122 05.0W				MO/DAY/YR 02/26/69		MESSENGER TIME 1758 GMT		BOTTOM 159M	WIND 110	SPEED 15Kt	WEATHER 1	DOMINANT WAVES 130 07 08		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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 36 39.0N				LONGITUDE 122 26.0W				MO/DAY/YR 02/08/69		MESSENGER TIME 2325 GMT		BOTTOM 2203M	WIND 180	SPEED 22Kt	WEATHER 2	DOMINANT WAVES 270 04		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD			
									0	11.78	33.28	25.317	266.5	0				
									10	11.78	33.28	25.317	266.5	.027				
									20	11.78	33.28	25.317	266.5	.053				
									30	11.76	33.27	25.313	266.9	.080				
									50	11.75	33.29	25.331	265.2	.133				
									75	10.71	33.42	25.619	237.8	.197				
									100	10.29	33.63	25.855	215.3	.254				
									125	9.70	33.79	26.079	194.0	.306				
									150	9.52	33.83	26.140	188.3	.354				
									200	9.88	33.96	26.345	168.9	.445				
									250	8.24	34.02	25.490	155.0	.528				
									300	7.58	34.07	26.612	143.4	.605				
									400	6.83	34.16	25.902	125.4	.745				
									500	5.75	34.15	26.935	112.9	.870				
									600	5.06	34.26	27.104	96.8	.981				

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67055

LATITUDE 36 39.0N				LONGITUDE 122 25.0W				MO/DAY/YR 02/26/69		MESSENGER TIME 1422 GMT		BOTTOM 2037M	WIND 260	SPEED 02Kt	WEATHER 1	DOMINANT WAVES 290 06 08		
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD			
									0	12.05	33.20	25.197	277.9	0				
									10	12.10	33.20	25.195	278.1	.028				
									20	12.10	33.21	25.203	277.3	.056				
									30	12.10	33.21	25.203	277.3	.083				
									50	12.11	33.21	25.201	277.5	.139				
									75	10.54	33.37	25.610	238.6	.204				
									100	9.61	33.63	25.970	204.5	.260				
									125	9.21	33.79	26.159	186.4	.309				
									150	9.05	33.86	26.240	178.8	.356				
									200	8.39	34.00	26.452	158.7	.441				
									250	7.81	34.03	26.562	148.2	.520				
									300	7.47	34.10	26.666	138.3	.594				
									400	6.67	34.18	26.840	121.9	.729				
									500	6.04	34.22	26.954	111.1	.852				

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67055

LATITUDE 36 39.0N				LONGITUDE 122 25.0W				MO/DAY/YR 02/26/69		MESSENGER TIME 1458 GMT		BOTTOM 2037M	WIND 260	SPEED 02Kt	WEATHER 1	DOMINANT WAVES 290 06 08		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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			70			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 36 28.0N		LONGITUDE 122 47.0W		MO/DAY/YR 02/09/69	MESSANGER TIME 0205 GMT	BOTTOM 3091M	WIND 180	SPEED 25KT	WEATHER 2	DOMINANT WAVES 270 05			67060		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	DT	DD
									0	12.15	33.26		25.232	274.6	0
									10	12.15	33.26		25.232	274.6	.027
									20	12.15	33.26		25.232	274.6	.055
									30	12.13	33.28		25.252	272.7	.082
									50	12.10	33.30		25.273	270.7	.137
									75	10.85	33.46		25.625	237.2	.201
									100	9.91	33.68		25.959	205.5	.257
									125	9.57	33.77		26.085	193.5	.307
									150	9.26	33.86		26.206	182.0	.355
									200	8.73	33.95		26.360	167.4	.444
									250	8.32	34.05		26.502	153.9	.526
									300	7.86	34.06		26.578	145.7	.603
									400	6.55	34.07		26.769	128.6	.746
									500	5.90	34.14		26.908	115.4	.875
									600	5.43	34.27		27.069	100.2	.989

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67060

LATITUDE 36 28.0N		LONGITUDE 122 47.0W		MO/DAY/YR 02/26/69	MESSANGER TIME 1C37 GMT	BOTTOM 2945M	WIND 270	SPEED 1CKT	WEATHER 1	DOMINANT WAVES			67060		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	DT	DD
									0	11.82	33.23		25.271	270.9	0
									10	11.82	33.23		25.269	271.1	.027
									20	11.82	33.23		25.269	271.1	.054
									30	11.84	33.23		25.267	271.2	.081
									50	11.76	33.24		25.290	269.1	.136
									75	10.35	33.42		25.682	231.8	.199
									100	9.35	33.63		26.012	200.4	.253
									125	9.15	33.89		26.241	178.7	.301
									150	8.78	33.97		26.368	166.6	.345
									200	8.38	34.12		26.547	149.6	.425
									250	7.75	34.12		26.641	140.7	.500
									300	7.0P	34.13		26.745	130.9	.570
									400	6.39	34.20		26.893	116.9	.699
									500	5.86	34.28		27.024	104.4	.816

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67060

LATITUDE 36 28.0N		LONGITUDE 122 47.0W		MO/DAY/YR 02/26/69	MESSANGER TIME 1114 GMT	BOTTOM 2945M	WIND 270	SPEED 10KT	WEATHER 1	DOMINANT WAVES			67060		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	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	.38U	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 36 08.0N		LONGITUDE 123 29.0W		MO/DAY/YR 02/09/69	MESSANGER TIME 0730 GMT	BOTTOM 3673M	WIND 180	SPEED 25KT	WEATHER	DOMINANT WAVES 270 07			67070		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	S107	DT	DD
									0	11.83	33.28		25.308	267.4	0
									10	11.83	33.28		25.308	267.4	.027
									20	11.83	33.28		25.308	267.4	.054
									30	11.83	33.28		25.308	267.4	.080
									50	11.80	33.28		25.313	266.8	.134
									75	9.92	33.55		25.856	215.3	.195
									100	9.27	33.77		26.134	188.8	.245
									125	8.83	33.89		26.298	173.3	.291
									150	8.39	33.93		26.397	163.9	.334
									200	7.85	34.00		26.533	151.0	.414
									250	7.64	34.11		26.650	139.9	.489
									300	7.35	34.13		26.707	134.5	.560
									400	6.41	34.17		26.866	119.3	.692
									500	5.55	34.19		26.991	107.5	.811
									600	5.07	34.27		27.111	96.1	.919

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

67070

LATITUDE 36 09.0N	LONGITUDE 123 30.0W	MO/DAY/YR C2/26/69	MESSANGER TIME C5C6 GMT	BOTTOM 3541M	WIND 280	SPEED 18KT	WEATHER 1	DOMINANT WAVES 290 08 08							
Z	T	S	C2	P04	SIC3	N02	N03	DT	Z	T	S	02	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 35 48.0N	LONGITUDE 124 12.0W	MO/DAY/YR 02/08/69	MESSANGER TIME 1125 GMT	BOTTOM 4002M	WIND 180	SPEED 20KT	WEATHER 6	DOMINANT WAVES 180 08							
Z	T	S	02	P04	SIC3	N02	N03	DT	Z	T	S	02	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	7.49	33.94		26.440	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 35 48.5N	LONGITUDE 124 12.0W	MO/DAY/YR C2/25/69	MESSANGER TIME 2345 GMT	BOTTOM 3938M	WIND 290	SPEED 13KT	WEATHER 1	DOMINANT WAVES 270 10 10							
Z	T	S	C2	P04	SIC3	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									C	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	32.26		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	5.49	34.25		27.045	102.4	.825

RV MILLER FREEMAN

CALCOFI CRUISE 6902

67090

LATITUDE 35 28.0N	LONGITUDE 124 55.0W	MO/DAY/YR 02/09/69	MESSANGER TIME 1545 GMT	BOTTOM 4403M	WIND 270	SPEED 10KT	WEATHER 2	DOMINANT WAVES 270 07							
Z	T	S	02	P04	SIC3	N02	N03	DT	Z	T	S	02	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		26.357	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	MESSANGER 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	P04	S103	N02	N03	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	MESSANGER 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	P04	S103	N02	N03	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	MESSANGER 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	P04	S103	N02	N03	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	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
36 06.0N	121 54.0W	02/15/69	0136 GMT	1165M	140	30KT	1	180 05							
Z	T	S	O2	P04	S103	N02	N03	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		26.552	139.7	.592
									400	6.70	34.11		26.781	127.5	.731
									500	6.00	34.14		26.896	115.5	.860
									600	5.36	34.23		27.045	102.4	.976

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 70053

LATITUDE 36 06.5N		LONGITUDE 121 54.0W		MO/DAY/YR 02/22/69		MESSENGER TIME C152 GMT		BOTTON 1044M		WIND 110	SPEED 10KT	WEATHER 2	DOMINANT WAVES 340 06 10		
Z	T	S	C2	PC4	S103	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.35	33.09	25.063	290.7	0	
									10	12.48	33.13	25.069	290.1	.029	
									20	12.45	33.15	25.090	288.1	.058	
									30	12.39	33.17	25.117	285.5	.087	
									50	11.97	33.29	25.289	269.1	.142	
									75	10.20	33.43	25.715	228.7	.205	
									100	9.41	33.63	26.002	201.4	.259	
									125	9.06	33.75	26.152	187.1	.308	
									150	9.02	33.89	26.268	176.2	.354	
									200	8.28	34.01	26.476	156.3	.439	
									250	7.91	34.04	26.555	148.9	.517	
									300	7.65	34.14	26.672	137.8	.591	
									400	6.92	34.19	26.814	124.3	.728	
									500	6.12	34.21	26.936	112.8	.853	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 70053

LATITUDE 36 06.5N		LONGITUDE 121 54.0W		MO/DAY/YR 02/22/69		MESSENGER TIME 0251 GMT		BOTTON 1044M		WIND 110	SPEED 10KT	WEATHER 2	DOMINANT WAVES 340 05 10		
Z	T	S	C2	PC4	S103	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	12.38	33.158	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	10.27	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	1.79			.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 35 53.0N		LONGITUDE 122 23.0W		MO/DAY/YR 02/14/69		MESSENGER TIME 2223 GMT		BOTTON 3163M		WIND 180	SPEED 35KT	WEATHER 6	DOMINANT WAVES 180 05		
Z	T	S	C2	PC4	S103	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.34	33.23	25.173	280.2	0	
									10	12.33	33.23	25.175	280.0	.028	
									20	12.34	33.23	25.173	280.2	.056	
									30	12.34	33.23	25.173	280.2	.084	
									50	12.36	33.24	25.177	279.8	.140	
									75	10.30	33.31	25.605	239.1	.206	
									100	9.54	33.65	25.997	201.9	.261	
									125	9.26	33.84	25.190	183.5	.310	
									150	8.93	33.92	26.305	172.6	.355	
									200	8.26	34.00	26.472	156.8	.439	
									250	7.89	34.04	26.558	148.5	.517	
									300	7.53	34.09	26.650	139.9	.592	
									400	6.51	34.09	26.790	125.6	.730	
									500	5.71	34.15	26.940	112.4	.856	
									600	5.17	34.22	27.060	101.0	.969	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 70060

LATITUDE 35 53.0N		LONGITUDE 122 22.5W		MO/DAY/YR 02/22/69		MESSENGER TIME 1601 GMT		BOTTON 2974M		WIND 110	SPEED 09KT	WEATHER 1	DOMINANT WAVES 270 12 10		
Z	T	S	C2	PC4	S103	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.28	33.26	25.208	276.9	0	
									10	12.34	33.26	25.196	278.0	.028	
									20	12.34	33.26	25.196	278.0	.056	
									30	12.34	33.26	25.196	278.0	.083	
									50	12.35	33.27	25.202	277.5	.139	
									75	11.14	33.52	25.620	237.7	.204	
									100	10.36	33.70	25.898	211.3	.261	
									125	9.93	33.79	26.041	197.7	.312	
									150	9.45	33.88	26.184	184.1	.361	
									200	8.68	34.00	26.407	162.9	.449	
									250	8.09	34.08	26.560	148.4	.529	
									300	7.59	34.13	26.672	137.7	.603	
									400	6.78	34.19	26.833	122.5	.738	
									500	5.81	34.25	27.006	106.1	.859	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6902						70060		
LATITUDE 35 53.0N		LONGITUDE 122 22.5W		MO/DAY/YR 02/22/69		MESSENGER TIME 165H GMT		BOTTOM 2974M		WIND 110		SPEED 09KT		WEATHER 1		DOMINANT WAVES 270 12 10		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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							
29	12.31		5.98	.54	2.	.18	1.3		20	12.30	5.97							
38	12.33		6.02	.62	2.	.20	1.1		30	12.31	5.99							
48	12.41	33.415	5.98	.52	4.	.31	1.5	267.9	50	12.38	5.89							
63	11.88		5.11	.74	9.	.16	9.5		75	11.08	4.45							
78	10.88		4.30	1.41	16.	.01	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.	.02	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	2.17	41.	.03	34.0		400	6.87	.92							
267	7.76		2.08	2.59	47.	.03	34.9		500	6.09	.43							
313	7.56		1.37	2.33	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 35 33.0N		LONGITUDE 123 06.0W		MO/DAY/YR 02/14/69		MESSENGER TIME 1705 GMT		BOTTOM 3907M		WIND 180		SPEED 30KT		WEATHER 2		DOMINANT WAVES 320 05		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD			
0	11.88		33.26						0	11.88	33.26							
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	25.773	223.2	.197				
100	9.51		33.71						100	9.51	33.71	26.048	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	8.18		33.99						200	8.18	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 35 33.0N		LONGITUDE 123 05.0W		MO/DAY/YR 02/23/69		MESSENGER TIME C733 GMT		BOTTOM 3844M		WIND 180		SPEED 30KT		WEATHER 6		DOMINANT WAVES		
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	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 35 33.0N			LONGITUDE 123 05.0W			MO/DAY/YR 02/23/69		MESSENGER TIME 0818 GMT			BOTTOM 3844M		WIND 180		SPEED 30KT		WEATHER 6		DOMINANT WAVES		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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	66.	.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	86.	.02	40.9	106.0													
541	5.45		.34	3.44	97.	.01	42.3														

RV ALEXANDER AGASSIZ											CALCOFI CRUISE 6902						70075				
LATITUDE 35 23.0N			LONGITUDE 123 27.0W			MO/DAY/YR 02/23/69		MESSENGER TIME 1533 GMT			BOTTOM 3164M		WIND 320		SPEED 07KT		WEATHER 2		DOMINANT WAVES C70 03 04		
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD						
0	11.77								0	11.77	33.25		25.296	268.5	0						
10	11.77								10	11.77	33.25		25.296	268.5	.027						
20	11.77								20	11.77	33.26		25.304	267.8	.054						
30	11.78								30	11.78	33.26		25.302	268.0	.081						
50	11.80								50	11.80	33.27		25.306	267.6	.134						
75	10.39								75	10.39	33.49		25.729	227.3	.196						
100	9.50								100	9.50	33.73		26.065	195.4	.250						
125	9.02								125	9.02	33.91		26.283	174.7	.297						
150	8.57								150	8.57	33.97		26.401	163.5	.339						
200	7.75								200	7.75	34.03		26.571	147.4	.419						
250	7.19								250	7.19	34.06		26.674	137.6	.492						
300	6.79								300	6.79	34.11		26.769	128.6	.560						
400	6.32								400	6.32	34.24		26.933	113.0	.686						
500	5.57								500	5.57	34.25		27.036	103.3	.800						

RV ALEXANDER AGASSIZ											CALCOFI CRUISE 6902						70075				
LATITUDE 35 23.0N			LONGITUDE 123 27.0W			MO/DAY/YR 02/23/69		MESSENGER TIME 1629 GMT			BOTTOM 3164M		WIND 320		SPEED 07KT		WEATHER 2		DOMINANT WAVES 070 03 04		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
35 13.5N	123 47.5W	02/14/69	1306 GMT	4116M	180	20KT	6	180 02								
Z	T	S	O2	P04	S103	N02	N03	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

7008C

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
35 13.0N	123 47.5W	02/24/69	1106 GMT	3926M	240	22KT	2	180 02								
Z	T	S	O2	P04	S103	N02	N03	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	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
34 53.0N	124 30.0W	02/14/69	0920 GMT	4479M	180	10KT	2	180 06								
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.65	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	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
35 53.5N	124 25.0W	02/24/69	1825 GMT	4295M	260	15KT	2	180 15 10								
Z	T	S	O2	P04	S103	N02	N03	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

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	Dominant Waves						
35 53.5N	124 29.0W	02/24/69	1921	GMT	4295M	260	15KT	2	270 15 10						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	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

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	Dominant Waves						
34 33.0N	125 12.0W	02/14/69	0532	GMT	4593M	260	15KT	2	270 06						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	14.04	33.05		24.695	325.7	0
									10	14.05	33.05		24.693	325.9	.033
									20	14.05	33.05		24.693	325.9	.065
									30	14.05	33.05		24.693	325.9	.098
									50	14.00	33.04		24.696	325.6	.163
									75	12.84	33.01		24.906	305.6	.243
									100	11.12	33.01		25.228	274.9	.316
									125	10.08	33.26		25.603	239.3	.380
									150	9.50	33.41		25.816	219.1	.438
									200	8.58	33.78		26.251	177.8	.533
									250	7.91	33.93		26.469	157.0	.625
									300	7.25	33.97		26.595	145.1	.703
									400	6.12	33.99		26.762	129.2	.845
									500	5.49	34.13		26.951	111.3	.971
									600	5.04	34.18		27.043	102.5	1.084

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 70100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	Dominant Waves						
34 33.5N	125 11.0W	02/25/69	0221	GMT	4499M	270	18KT	1	260 11 08						
Z	T	S	C2	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	13.60	33.12		24.840	311.9	0
									10	13.60	33.12		24.840	311.9	.031
									20	13.61	33.12		24.837	312.1	.062
									30	13.60	33.12		24.840	311.9	.094
									50	13.61	33.12		24.837	312.1	.156
									75	13.61	33.12		24.837	312.1	.235
									100	11.90	33.09		25.148	282.6	.310
									125	10.28	33.18		25.507	248.4	.377
									150	9.84	33.45		25.791	221.4	.436
									200	8.72	33.82		26.260	176.9	.537
									250	7.82	33.98		26.521	152.1	.621
									300	7.07	34.02		26.660	139.0	.696
									400	6.11	34.09		26.842	121.6	.832
									500	5.52	34.19		26.995	107.2	.952

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

70100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 33.5N	125 11.0W	02/25/69	0254	GMT	4499M	270	18KT	1	260 11 08						
Z	T	S	D2	P04	SIG3	N02	N03	DT	Z	T	S	D2	SIGT	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		2.13	2.65	59.	.01	39.3		500	5.52	.75				
344	6.63														
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

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 13.5N	125 52.0W	C2/25/69	0813	GMT	3926M	240	16KT	1	250 14 10						
Z	T	S	C2	P04	SIG3	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
0	13.81								0	13.81	33.16		24.827	313.1	0
10	13.81								10	13.81	33.16		24.827	313.1	.031
20	13.81								20	13.81	33.16		24.827	313.1	.063
30	13.81								30	13.81	33.16		24.827	313.1	.094
50	13.81								50	13.81	33.16		24.827	313.1	.157
75	13.82								75	13.82	33.16		24.825	313.3	.236
100	13.64								100	13.64	33.14		24.847	311.3	.314
125	11.35								125	11.35	33.23		25.357	262.7	.387
150	10.03								150	10.03	33.32		25.658	234.1	.449
200	8.95								200	8.95	33.77		26.185	184.0	.556
250	8.01								250	8.01	33.97		26.486	155.5	.642
300	7.28								300	7.28	33.99		26.607	144.0	.720
400	6.11								400	6.11	34.07		26.827	123.1	.858
500	5.32								500	5.32	34.17		27.003	106.4	.978

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

70110

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 13.5N	125 52.0W	02/25/69	0900	GMT	3925M	240	16KT	1	250 14 10						
Z	T	S	D2	P04	SIG3	N02	N03	DT	Z	T	S	D2	SIGT	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.	.05	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	MESSENDER 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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 31.5N	121 28.5W	02/15/69	1618 GMT	739M	180	15KT	2	180 09							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 31.5N	121 28.5W	C2/21/69	C927 GMT	741M	330	18KT	2	320 12 12							
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	5.89	34.28		27.020	104.8	.865

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

73053

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER 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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	.1		30	12.69			6.29		
64	11.66	33.220	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	7.62			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	11R.5							
481	6.10	34.234	.52	3.22	71.	.05	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	MESSENDER 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	O2	PO4	SIC3	N02	N03	DT	Z	T	S	O2	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

CALCCFI CRUISE 6902

73060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	ROTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 18.5N	121 57.5W	02/21/69	C535 GMT	2974M	C10	24KT	1	320 14 11							
Z	T	S	O2	PO4	SIC3	N02	N03	DT	Z	T	S	O2	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	33.46	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	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 58.0N	122 40.0W	02/16/69	0055 GMT	4116M	270	10KT	0	270 10							
Z	T	S	O2	PO4	SIC3	N02	N03	DT	Z	T	S	O2	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	286.6	.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	95.5	.935	

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

73070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	ROTOM	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	O2	PO4	SIC3	N02	N03	DT	Z	T	S	O2	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 34 38.0N		LONGITUDE 123 22.0W		MO/DAY/YR 02/16/69	MESSANGER TIME 0455 GMT	BOTTOM 4116M	WIND 270	SPEED 05KT	WEATHER	DOMINANT WAVES 270 08					
Z	T	S	D2	P04	S103	N02	N03	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	306.1	.031
									20	12.48	32.97		24.945	301.9	.061
									30	12.42	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

73080

LATITUDE 34 39.0N		LONGITUDE 123 23.0W		MO/DAY/YR 02/20/69	MESSANGER TIME 1539 GMT	BOTTOM 4213M	WIND 330	SPEED 30KT	WEATHER	DOMINANT WAVES 330 16 13					
Z	T	S	C2	P04	S103	N02	N03	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 34 18.5N		LONGITUDE 124 04.0W		MO/DAY/YR 02/16/69	MESSANGER TIME 0850 GMT	BOTTOM 4460M	WIND 340	SPEED 05KT	WEATHER	DOMINANT WAVES 270 08					
Z	T	S	D2	P04	S103	N02	N03	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 34 18.5N		LONGITUDE 124 04.0W		MO/DAY/YR 02/20/69	MESSANGER TIME 1C08 GMT	BOTTOM 3263M	WIND 340	SPEED 27KT	WEATHER	DOMINANT WAVES 340 15 12					
Z	T	S	C2	P04	S103	N02	N03	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

CALCOFI CRUISE 6902

73100

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	ME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 58.5N	124 45.0W	02/16/69	1300 GMT	468RM	180	07KT	0	0	270 04						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	25.390	202.5	.434	
									200	8.96	33.92	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	26.860	120.0	.970	
									600	5.77	34.22	26.988	107.9	1.091	

RV MILLER FREEMAN

CALCOFI CRUISE 6902

73120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	ME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 18.0N	126 08.5W	02/16/69	1930 GMT	4422M	200	10KT	2	2	270 05						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	24.565	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	197.9	.584	
									250	8.25	33.88	26.379	165.5	.676	
									300	7.53	34.00	26.579	145.6	.756	
									400	6.75	34.09	26.758	129.5	.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

CALCOFI CRUISE 6902

77048

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	ME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
35 08.5N	120 43.5W	02/19/69	CC25 GMT	56M	300	18KT	1	1	290 06 08						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.39A	33.30A	25.217	276.0	0	
									10	12.39	33.31	25.225	275.2	.028	
									20	12.22	33.31	25.258	272.1	.055	

RV MILLER FREEMAN

CALCOFI CRUISE 6902

77051

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	ME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
35 02.0N	120 56.5W	02/18/69	0425 GMT	274M	00KT				270 03						
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	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	33.26	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 CALCOFI CRUISE 6902 77051

LATITUDE 35 02.0N		LONGITUDE 120 56.5W		MO/DAY/YR 02/19/69		MESSENGER TIME C235 GMT		BOTTOM 342M		WIND 320	SPEED 19KT	WEATHER 1	DOMINANT WAVES 290 06 07		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.53A	33.23A	25.136	283.7	0	
									10	12.53	33.23	25.136	283.7	.028	
									20	12.53	33.23	25.136	283.7	.057	
									30	12.33	33.27	25.206	277.1	.085	
									50	11.55	33.33	25.398	258.8	.139	
									75	9.86	33.42	25.765	224.0	.199	
									100	9.37	33.69	26.055	196.3	.252	
									125	9.47	33.91	26.211	181.6	.300	
									150	9.32	33.98	26.290	174.1	.345	
									200	8.45	34.06	26.483	155.7	.429	
									250	8.00	34.15	26.628	142.0	.506	
									300	7.76	34.17	26.679	137.1	.578	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 77051

LATITUDE 35 02.0N		LONGITUDE 120 56.5W		MO/DAY/YR 02/19/69		MESSENGER TIME 0312 GMT		BOTTOM 342M		WIND 320	SPEED 19KT	WEATHER 1	DOMINANT WAVES 290 06 07		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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				
199	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 CALCOFI CRUISE 6902 77055

LATITUDE 34 54.5N		LONGITUDE 121 13.0W		MO/DAY/YR 02/19/69		MESSENGER TIME 0200 GMT		BOTTOM 563M		WIND 320	SPEED 10KT	WEATHER	DOMINANT WAVES 320 04		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.82	33.11	24.987	297.9	0	
									10	12.76	33.12	25.007	296.0	.030	
									20	12.67	33.13	25.032	293.6	.059	
									30	12.67	33.13	25.032	293.6	.089	
									50	12.58	33.15	25.065	290.5	.147	
									75	11.38	33.18	25.313	266.9	.217	
									100	9.99	33.39	25.719	228.2	.280	
									125	10.07	33.71	25.955	205.9	.334	
									150	9.17	33.87	26.228	179.9	.383	
									200	8.81	33.97	26.363	167.1	.472	
									250	8.32	34.07	26.517	152.5	.554	
									300	7.82	34.16	26.662	138.7	.629	
									400	6.77	34.18	26.826	123.1	.765	
									500	6.07	34.23	26.958	110.7	.888	

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 77055

LATITUDE 34 54.5N		LONGITUDE 121 13.0W		MO/DAY/YR 02/19/69		MESSENGER TIME C613 GMT		BOTTOM 556M		WIND 320	SPEED 22KT	WEATHER 5	DOMINANT WAVES		
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	12.62	33.14	25.049	292.0	0	
									10	12.62	33.14	25.049	292.0	.029	
									20	12.62	33.14	25.049	292.0	.058	
									30	12.61	33.14	25.051	291.8	.088	
									50	12.62	33.15	25.057	291.2	.146	
									75	11.87	33.19	25.231	274.7	.217	
									100	10.41	33.33	25.601	239.5	.282	
									125	10.23	33.72	25.935	207.7	.339	
									150	9.58	33.85	26.146	187.7	.389	
									200	8.64	34.03	26.437	160.1	.477	
									250	8.21	34.12	26.573	147.2	.556	
									300	7.75	34.17	26.681	137.0	.629	
									400	6.97	34.24	26.846	121.3	.764	
									500	6.06	34.25	26.975	109.1	.886	

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

77060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 44.0N	121 34.0W	02/17/69	2325 GMT	895M	180	15KT	6	270 04							
Z	T	S	O2	PO4	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.07	33.23		25.031	293.7	0
									10	12.95	33.21		25.039	293.0	.029
									20	12.87	33.23		25.070	290.0	.059
									30	12.83	33.23		25.078	289.2	.088
									50	12.73	33.23		25.098	287.4	.145
									75	11.62	33.40		25.440	254.8	.214
									100	10.67	33.52		25.704	229.7	.275
									125	10.06	33.74		25.980	203.5	.329
									150	9.37	33.77		26.118	190.4	.379
									200	8.62	33.98		26.401	163.5	.469
									250	7.65	33.95		26.523	152.0	.550
									300	6.94	33.98		26.646	140.2	.625
									400	6.13	34.07		26.824	123.4	.762
									500	5.62	34.18		26.974	109.1	.884
									600	5.56	34.27		27.053	101.7	.996

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

77060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 44.5N	121 35.0W	C2/19/69	C927 GMT	903M	300	24KT	2	270 04							
Z	T	S	O2	PC4	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.77A	33.07A		24.966	299.9	0
									10	12.77	33.08		24.974	299.1	.030
									20	12.78	33.08		24.972	299.3	.060
									30	12.78	33.08		24.972	299.3	.090
									50	12.56	33.05		24.992	297.5	.150
									75	11.55	33.31		25.383	260.2	.220
									100	10.49	33.58		25.782	222.3	.281
									125	9.90	33.72		25.991	202.4	.334
									150	9.45	33.80		26.122	190.0	.384
									200	8.82	33.92		26.323	170.9	.476
									250	8.11	33.96		26.463	157.6	.560
									300	7.02	33.92		26.588	145.8	.638
									400	5.98	33.99		26.780	127.5	.780
									500	5.44	34.05		26.894	116.8	.907

RV MILLER FREEMAN

CALCOFI CRUISE 6902

77070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER 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	PO4	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.91	33.08		24.947	301.8	0
									10	12.88	33.07		24.945	301.9	.030
									20	12.86	33.07		24.949	301.6	.060
									30	12.76	33.07		24.968	299.7	.091
									50	12.67	33.09		25.001	296.6	.150
									75	11.05	33.19		25.380	260.5	.220
									100	9.84	33.44		25.783	222.2	.281
									125	9.37	33.68		26.048	197.0	.334
									150	9.10	33.84		26.216	181.1	.382
									200	8.25	33.99		26.465	157.4	.468
									250	7.68	34.05		26.597	144.9	.546
									300	7.09	34.07		26.696	135.5	.618
									400	6.36	34.17		26.873	118.7	.750
									500	5.67	34.22		27.000	106.7	.869
									600	5.22	34.26		27.086	98.6	.978

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

77070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 24.0N	122 16.0W	C2/19/69	15CP GMT	4111M	340	21KT	2	320 08 08							
Z	T	S	O2	PC4	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.80	33.02		24.922	304.1	0
									10	12.80	33.02		24.922	304.1	.030
									20	12.80	33.02		24.922	304.1	.061
									30	12.80	33.02		24.922	304.1	.091
									50	12.77	33.02		24.928	303.6	.152
									75	11.47	33.15		25.274	270.6	.224
									100	10.19	33.35		25.655	234.6	.288
									125	9.37	33.66		26.032	198.5	.343
									150	9.05	33.77		26.169	185.5	.391
									200	8.35	33.93		26.403	163.3	.480
									250	7.64	33.99		26.555	148.8	.560
									300	7.04	34.04		26.679	137.1	.634
									400	6.25	34.14		26.859	120.1	.767
									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	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 04.ON	122 57.Ow	02/17/69	1445 GMT	4260M	180	20KT		270 04							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
					0	13.29	32.95		24.771	318.5		0			
					10	13.14	32.90		24.762	319.3	.032				
					20	12.97	32.94		24.827	313.2	.064				
					30	12.95	32.95		24.838	312.1	.095				
					50	12.04	33.13		25.153	282.2	.154				
					75	11.06	33.25		25.425	256.2	.222				
					100	9.87	33.54		25.856	215.2	.282				
					125	9.18	33.59		26.008	200.8	.334				
					150	8.61	33.81		26.270	176.0	.382				
					200	8.00	33.94		26.464	157.6	.467				
					250	7.36	33.98		26.588	145.8	.544				
					300	6.74	34.01		26.697	135.4	.617				
					400	6.01	34.08		26.847	121.2	.750				
					500	5.36	34.17		26.998	106.9	.869				
					600	5.26	34.31		27.120	95.3	.977				

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

77080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
34 05.ON	122 56.Ow	C2/19/69	2028 GMT	4241M	330	18KT	1	330 09 08							
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
					0	13.32	32.95		24.765	319.0	0				
					10	13.32	32.95		24.765	319.0	.032				
					20	13.31	32.95		24.767	318.9	.064				
					30	12.83	32.98		24.885	307.6	.095				
					50	12.62	33.08		25.003	296.4	.156				
					75	11.05	33.33		25.489	250.1	.224				
					100	10.04	33.49		25.789	221.6	.284				
					125	9.37	33.77		26.118	190.4	.336				
					150	8.94	33.84		26.241	178.7	.383				
					200	8.06	33.94		26.455	158.4	.469				
					250	7.45	33.98		26.575	147.0	.547				
					300	6.78	34.03		26.707	134.5	.619				
					400	5.70	34.07		26.878	118.3	.750				
					500	5.33	34.19		27.017	105.0	.867				

RV MILLER FREEMAN

CALCOFI CRUISE 6902

77090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 43.ON	123 39.Ow	02/17/69	1040 GMT	4403M	180	15KT	0	270 05							
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
					0	12.94	33.03		24.902	306.0	0				
					10	12.94	33.03		24.902	306.0	.031				
					20	12.76	33.02		24.930	303.4	.061				
					30	12.69	33.03		24.951	301.3	.091				
					50	12.30	33.18		25.142	283.2	.150				
					75	10.85	33.27		25.478	251.2	.217				
					100	9.99	33.37		25.708	229.7	.278				
					125	9.15	33.65		26.060	195.9	.332				
					150	8.85	33.81		26.232	179.5	.379				
					200	8.13	33.93		26.436	160.1	.466				
					250	7.38	33.94		26.553	149.0	.545				
					300	6.60	33.95		26.668	138.1	.619				
					400	5.77	34.01		26.822	123.6	.754				
					500	5.43	34.18		26.997	106.9	.875				
					600	4.95	34.27		27.125	94.8	.982				

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

77090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 44.ON	123 39.Ow	C2/20/69	0139 GMT	4155M	340	16KT	2	340 15 12							
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
					0	12.66A	32.89A		24.849	311.1	0				
					10	12.67	32.90		24.854	310.5	.031				
					20	12.69	32.90		24.851	310.9	.062				
					30	12.69	32.92		24.866	309.4	.093				
					50	12.22	33.16		25.142	283.2	.153				
					75	11.42	33.30		25.399	258.7	.221				
					100	10.14	33.54		25.811	219.6	.281				
					125	9.35	33.64		26.020	199.7	.334				
					150	9.05	33.77		26.169	185.5	.383				
					200	8.21	33.99		26.471	156.8	.470				
					250	7.53	33.98		26.563	148.1	.548				
					300	6.86	34.03		26.696	135.5	.621				
					400	5.71	34.07		26.877	118.4	.753				
					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	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 24.0N	124 20.0W	02/17/69	0615	GMT	4688M	180	15KTT		270 05						
Z	T	S	D2	PD4	S103	N02	N03	DT	Z	T	S	D2	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		24.780	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	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 44.0N	125 42.0W	02/16/69	2311	GMT	4574M	150	15KTT		270 05						
Z	T	S	D2	PD4	S103	N02	N03	DT	Z	T	S	D2	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	12.27	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	8.46	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		26.983	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	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 26.0N	120 33.0W	C2/18/69	1225	GMT	101M	130	09KTT								
Z	T	S	D2	PD4	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD
									0	13.19A	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	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 24.5N	120 36.5W	C2/18/69	0928	GMT	308M	100	20KTT	2							
Z	T	S	D2	PD4	S103	N02	N03	DT	Z	T	S	D2	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	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
34 24.5N	120 36.5W	02/18/69	1005 GMT	30FM	100	20KT	2									
Z	T	S	O2	PO4	SIC3	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	15.	.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 CALCCFI CRUISE 6902 80C55

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
34 19.0N	120 48.0W	02/18/69	C604 GMT	741M	C40	08KT	6									
Z	T	S	C2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	12.84					33.07			24.953	301.2		0				
10	12.81					33.25			25.097	287.4		.C29				
20	12.65					33.29			25.160	281.5		.058				
30	12.67					33.33			25.187	278.9		.086				
50	12.11					33.40			25.348	263.5		.140				
75	10.65					33.61			25.770	223.4		.202				
100	9.92					33.84			26.081	193.8		.254				
125	9.66					33.91			26.179	184.5		.302				
150	9.35					33.97			26.271	175.9		.348				
200	8.95					34.06			26.412	162.5		.434				
250	8.31					34.13			26.566	147.9		.514				
300	7.87					34.18			26.671	137.9		.588				
400	7.13					34.26			26.840	121.9		.723				
500	6.53					34.30			26.953	111.1		.846				

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 80055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER 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	SIC3	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	249.2	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		50	12.38		5.65				
61	11.74	33.451	5.12	.92	6.	.09	10.6	253.2	75	10.82		4.83				
75	10.82		4.83	1.05	14.	.00	13.6		100	10.03		3.27				
94	10.19		3.34	1.31	25.	.00	17.7		125	9.65		2.93				
118	9.70		3.04	1.69	32.	.00	23.8		150	9.39		2.67				
137	9.58		2.75	2.01	34.	.01	28.7		200	8.87		2.32				
165	9.16		2.60	2.13	37.	.00	30.7		250	8.37		1.93				
193	8.91		2.34	2.21	42.	.00	30.7		300	7.91		1.45				
221	8.74		2.26	2.25	44.	.01	31.9		400	7.17		.89				
258	8.26		1.83	2.55	54.	.01	35.5		500	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 CALCCFI CRUISE 6902 80C60

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
34 09.5N	121 05.0W	02/18/69	C217 GMT	2130M	180	17KT	6									
Z	T	S	C2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0	12.81					33.21			25.067	290.3		0				
10	12.79					33.23			25.086	288.5		.029				
20	12.67					33.25			25.125	284.8		.058				
30	12.59					33.27			25.156	281.8		.086				
50	12.42					33.31			25.219	275.8		.142				
75	11.17					33.44			25.553	244.1		.207				
100	10.16					33.58			25.838	216.9		.265				
125	9.58					33.73			26.052	196.6		.318				
150	9.21					33.85			26.206	182.0		.366				
200	8.10					33.97			26.472	156.7		.452				
250	7.54					34.03			26.601	144.5		.529				
300	7.23					34.10			26.700	135.1		.601				
400	6.64					34.19			26.852	120.7		.734				
500	6.06					34.25			26.975	109.1		.856				

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 80060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	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	D2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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		20	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	.64U	18.	.00	8.2U		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	1.37U	41.	.02	21.5U		300	7.37		1.19				
231	7.82		2.89	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	36.3									
405	6.80	34.203	.76	3.02		.01	39.3	121.8								
479	6.39	34.251	.49	2.75U		.03	36.9U	113.0								
560	5.88		.39	3.60		.01	42.6									

RV ALEXANDER AGASSIZ CALCCFI CRUISE 6902 80065

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 59.5N	121 25.5W	02/17/69	2339	GMT	3348M	180	13KT	5	220 08 10							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD	
									0	13.18	32.99	24.824	313.4	0		
									10	13.16	32.99	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 CALCCFI CRUISE 6902 80068

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	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	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	MESSENDER	TIME	BOTTOM	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	D2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD		
									0	13.58		6.10					
									10	13.50		6.12					
									20	13.31		6.18					
									30	13.13		6.21					
									50	12.86		6.15					
									75	11.61		5.85					
									100	10.49		5.12					
									125	9.48		4.41					
									150	8.96		3.84					
									200	8.18		3.35					
									250	7.58		2.79					
									300	6.97		2.33					
									400	5.77		1.40					
									500	5.28		.59					
									317	5.75							
									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 33 29.0N	LONGITUDE 122 32.0W	MO/DAY/YR C2/17/69	MESSENDER TIME 1133 GMT	BOTTOM 3974M	WIND 170	SPEED 14KT	WEATHER	DOMINANT WAVES							
Z	T	S	D2	PC4	S103	NC2	NC3	DT	Z	T	S	D2	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 33 29.0N	LONGITUDE 122 32.0W	MO/DAY/YR 02/17/69	MESSENDER TIME 1232 GMT	BOTTOM 3974M	WIND 170	SPEED 14KT	WEATHER	DOMINANT WAVES							
Z	T	S	D2	PC4	S103	NU2	NU3	DT	Z	T	S	D2	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		5.81			
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 CALCCFI CRUISE 6902 80090

LATITUDE 33 11.0N	LONGITUDE 123 09.5W	MO/DAY/YR C2/17/69	MESSENDER TIME 0425 GMT	BOTTOM 4117M	WIND 270	SPEED 1CKT	WEATHER	DOMINANT WAVES							
Z	T	S	D2	PC4	S103	NC2	NC3	DT	Z	T	S	D2	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	MESSENDER	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	02	PC4	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.66	33.10E	5.80	.04	2.	.02	.0	333.8	0	14.66	5.80				
9	14.61	33.10E	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	33.13E	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	35.	.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	34.14E	.95	2.43		.1H	40.0	113.6							
553	5.26	34.19E	.49	2.77		.03	41.6	103.7							
526	4.90		.40	2.53U		2.60U	35.0U								

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 82C47

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	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	02	PC4	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0						13.21	33.30		25.057	291.3	0				
10						13.21	33.30		25.057	291.3	.C29				
20						13.20	33.32		25.074	289.6	.058				
30						12.80	33.35		25.177	279.9	.087				
50						11.69	33.54		25.535	245.7	.140				
75						10.55	33.66		25.827	218.1	.198				
100						10.07	33.81		26.033	198.5	.250				
125						9.77	33.89		26.146	187.8	.299				
150						9.51	33.96		26.243	178.5	.346				
200						9.06	34.08		26.410	162.7	.433				
250						8.57	34.15		26.542	150.2	.513				
300						8.13	34.17		26.624	142.3	.589				
400						7.23	34.19		26.771	128.4	.730				
500						6.55	34.25		26.911	115.1	.858				

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 82047

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	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	02	PC4	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	13.34	33.30E	6.39	.44	2.	.00	.4	293.5	0	13.34	6.39				
9	13.25	33.30E	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	33.48E	4.84	.60	11.	.22	6.7	261.2	30	13.05	5.86				
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	1.35U	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	34.21E	.67			.01	22.8	121.9							
501	6.60	34.25E	.18			.02	16.8	115.7							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 83C43

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	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	02	PC4	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0						12.89	33.42		25.213	276.4	0				
10						12.90	33.42		25.211	276.6	.028				
20						12.86	33.43		25.227	275.1	.055				
30						12.67	33.45		25.279	270.1	.083				
50						11.74	33.53		25.518	247.4	.135				
75						11.14	33.62		25.698	230.3	.195				
100						10.43	33.75		25.924	208.8	.250				
125						10.17	33.84		26.039	197.9	.301				
15						9.28	34.03		26.335	169.7	.348				
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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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		26.	.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		149.2								

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	0222	GMT	168M	270	12KT	1	240 07 09							
Z	T	S	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD	
									0	12.73	33.36	25.198	277.8	0		
									10	12.55	33.39	25.248	273.0	.028		
									20	12.52	33.43	25.293	268.8	.055		
									30	12.1C	33.43	25.373	261.2	.081		
									50	11.17	33.50	25.599	239.7	.132		
									75	9.51	33.91	26.204	182.2	.185		
									100	9.07	34.02	26.361	167.3	.229		
									125	8.65	34.09	26.482	155.8	.270		
									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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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

CALCOFI 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	C2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD	
									0	13.16	33.39	25.136	283.7	0		
									10	13.16	33.39	25.136	283.7	.028		
									20	13.05	33.39	25.158	281.6	.057		
									30	13.01	33.39	25.166	280.9	.085		
									50	13.00	33.40	25.176	279.9	.141		
									75	10.86	33.53	25.678	232.2	.206		
									100	10.05	33.69	25.943	207.0	.261		
									125	9.68	33.89	26.160	186.3	.311		
									150	9.25	34.01	26.325	170.8	.356		
									200	8.70	34.11	26.490	155.1	.439		
									250	8.29	34.18	26.608	143.9	.516		
									300	7.61	34.24	26.756	129.8	.587		
									400	7.02	34.27	26.863	119.7	.717		
									500	6.39	34.30	26.971	109.4	.838		

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

83C60

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
33 44.0N	120 45.0W	C2/16/69	0826 GMT	1258M	330	09KT	1		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	12.78	33.35	25.180	279.5	.142	
									75	10.45	33.51	25.727	227.5	.206	
									100	9.91	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	MO/DAY/YR	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
33 13.5N	121 26.0W	C2/16/69	1340 GMT	3738M	330	1CKT	1		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	MO/DAY/YR	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
32 55.5N	122 06.5W	C2/16/69	1843 GMT	4165M	330	04KT	1		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	9.49	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

83090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
32 34.0N	122 48.0W	C2/16/69	2327 GMT	4270M	320	03KT	1		0	13.71	32.99	24.717	323.6	0	
									10	13.58	32.99	24.743	321.1	.032	
									20	13.19	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	MO/DAY/YR	MESSENDER	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.	.20	.9		10	13.85	33.33	24.950	301.4	.030	
50			5.99	1.05		.C3	9.3		20	13.64	33.35	25.009	295.9	.060	
80			4.41	1.30	20.	.01	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	1.55L	42.L	.C0	24.7U		200	9.25	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	MO/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 40.0N	118 58.CW	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	14.15	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			1.57	2.1E	48.	.C1	31.3		200	9.51	34.03	26.298	173.3	.469	
400			1.39	1.87L	39.L	.C7	24.6U		250	8.8C	34.12	26.482	155.8	.554	
500			.67	2.49	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	MO/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 30.0N	119 15.CW	C2/14/69	0740	GMT	17C1M	280	02KT	1							
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			.4C	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	19.0		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			1.99	2.05	44.	.13	29.3		150	9.84	33.95	26.181	184.4	.377	
300			1.58	2.1E	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	8.1C	34.19	26.644	140.4	.623	
									400	7.43	34.25	26.790	126.6	.763	
									500	6.58	34.29	26.941	112.3	.889	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

87050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 20.0N	119 35.5W	C2/14/69	1C50	GMT	73M	300	12KT	1							
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	12.79	33.38	25.202	277.5	.028	
									20	12.8C	33.38	25.200	277.7	.056	
									30	12.8C	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 33 00.0N	LONGITUDE 120 21.5W	MC/DAY/YR C2/16/69	MESSANGER TIME 0930 GMT	BOTTOM 650M	WIND 300	SPEED 02KT	WEATHER 0	DOMINANT WAVES 300 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	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
									30	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		26.695	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 32 39.5N	LONGITUDE 121 02.CW	MC/DAY/YR C2/16/69	MESSANGER TIME 0930 GMT	BOTTOM 3642M	WIND 290	SPEED 02KT	WEATHER 1	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.08	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	6.79	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 32 20.0N	LONGITUDE 121 43.CW	MC/DAY/YR C2/16/69	MESSANGER TIME 0914 GMT	BOTTOM 4117M	WIND 280	SPEED 10KT	WEATHER 1	DOMINANT WAVES 310 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	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 31 59.0N	LONGITUDE 122 24.CW	MC/DAY/YR C2/15/69	MESSANGER TIME 2012 GMT	BOTTOM 4404M	WIND 260	SPEED 06KT	WEATHER 0	DOMINANT WAVES 260 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	13.35	33.12		24.882	307.9	0
									10	13.23	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	10.19	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	8.29	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 CAVIC STARR JORDAN **CALCCFI CRUISE 6902** **9C028**

LATITUDE 33 28.5N			LONGITUDE 117 46.5W			MC/DAY/YR C2/17/69		MESSENGER TIME C746 GMT		BCTCM 223M		WIND	SPEED OCKT	WEATHER 2	DOMINANT WAVES 280 01		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			6.18	.23	1.	.00	.0		0	14.46	33.29	24.792	316.5	0			
30			6.10	.31	1.	.00	.1		10	14.31	33.35	24.870	309.1	.031			
50			5.88	.37	3.	.02	.1		20	14.38	33.41	24.901	306.1	.062			
80			4.39	1.1C	13.	.13	1C.5		30	14.16	33.40	24.940	302.4	.093			
110			3.37	1.56	22.	.05	17.0		50	13.26	33.41	25.132	284.1	.151			
150			2.89	1.7C	27.	.06	19.9		75	11.13	33.63	25.707	229.4	.216			
200			2.36	1.3CL	36.	.01	12.5U		100	10.56	33.80	25.941	207.2	.271			
									125	10.11	33.91	26.104	191.7	.322			
									150	9.8C	34.00	26.226	180.1	.369			
									200	9.32	34.09	26.376	165.9	.457			

RV CAVIC STARR JORDAN CALCEFII CRUISE 6902 9CC32

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BCTC	WIND	SPEED	WEATHER	DOMINANT	WAVES					
33 20.5N	118 03.CW	C2/17/69	C551	GMT	768M	300	04KT	2	300	03					
Z	T	S	D2	PC4	SIC3	AC2	NC3	CT	Z	T	S	D2	SIGT	DT	DD
0			6.11	.31	1.	.CC	.C		0	14.75	33.52		24.907	305.5	0
10			6.1C	.28	1.	.CO	.C		10	14.61	33.51		24.929	303.4	.030
40			6.12	.28	1.	.CC	.C		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	.96	1C.	.C1	8.1		50	14.24	33.51		25.008	295.9	.151
110			3.51	1.58	23.	.CO	17.6		75	13.2C	33.43		25.159	281.5	.223
150			3.04	1.78	32.	.CO	22.0		100	11.4C	33.56		25.604	239.2	.289
200			2.48	1.55	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	9.3C	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

BY CAVIC STARR JORDAN CALCEF CRUISE 6902 90C37

LATITUDE 33 11.ON			LONGITUDE 118 22.5W			PC/DAY/YR C2/17/69		MESSENGER TIME C146 GMT		RCTDM 1202N		WIND 290	SPEED 10KT	WEATHER 1	DOMINANT WAVES 310 04 10	
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0			6.18	.25	1.	.00	.0		C	14.94	33.48		24.835	312.4	0	
10			6.00	.28	1.	.00	.0		1C	14.84	33.48		24.857	310.3	.031	
30			6.15	.31	1.	.00	.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.	.02	11.9		50	13.77	33.39		25.013	295.5	.152	
110			3.64	1.56	20.	.03	18.0		75	11.84	33.41		25.407	258.0	.222	
150			3.41	1.70	26.	.00	21.4		100	11.15	33.62		25.696	230.5	.283	
200			2.62	1.92	34.	.01	25.3		125	10.40	33.72		25.908	210.5	.339	
250			1.89	2.05	40.	.01	28.8		150	9.66	33.84		26.125	189.7	.390	
300			1.41	2.24	48.	.00	31.8		200	9.21	34.05		26.362	167.2	.481	
400			.87	2.41	61.	.00	34.7		250	8.51	34.13		26.535	150.8	.562	
500			.54	2.52	73.	.00	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	

BY SAMIE STARR JORDAN CALCOET CRUISE 6902 90039

LATITUDE	LONGITLDE	MC/CAY/YR	MESSENGER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT	WAVES					
33 07.ON	118 3C.5W	C2/16/69	2248	GWT	1387M	320	01KT	1	290	05 07					
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0			5.99	.11	1.	.C0	.C		0	15.05	33.50		24.818	314.0	0
10			6.C9	.28	1.	.C0	.1		10	14.79	33.48		24.868	309.3	.031
30			6.C5	.28	1.	.C0	.1		20	14.56	33.50		24.932	303.1	.062
50			5.52	.48	4.	.24	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.	.C0	17.7		100	10.72	33.60		25.757	224.7	.286
200			2.65	1.92	38.	.C0	25.4		125	10.15	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.	.C0	34.9		250	8.28	34.04		26.500	154.1	.561
500			.47	2.46	77.	.C0	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 CAVIC STARR JORDAN

CALCOFF CRUISE 6902

90045

LATITUDE 32 54.5N		LONGITUDE 118 55.5W		MO/DAY/YR C2/16/69		MESSENGER TIME 1904 GMT		BOTTOM 1757M		WIND 320	SPEED 08KT	WEATHER 1	DOMINANT WAVES 320 OB		
Z	T	S	C2	P04	S103	N02	A03	CT	Z	T	S	D2	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	13.92	33.47	25.043	292.5	.029	
30			6.13	.48	4.	.16	.17		20	13.82	33.47	25.064	290.6	.059	
50			5.10	.92	10.	.10	.45		30	13.71	33.48	25.094	287.7	.088	
80			4.28	1.36	17.	.06	14.9		50	12.61	33.46	25.299	268.3	.143	
110			3.25	1.64	25.	.02	19.6		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			2.15	1.92	37.	.01	25.6		125	9.77	33.79	26.068	195.2	.314	
250			2.14	2.07	45.	.01	27.6		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			.86	2.41	68.	.00	34.9		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

CALCOFF CRUISE 6902

90045

LATITUDE 32 54.5N		LONGITUDE 118 55.5W		MO/DAY/YR C3/11/69		MESSENGER TIME 1716 GMT		BOTTOM 1664M		WIND 320	SPEED 20KT	WEATHER 1	DOMINANT WAVES 310 06 08		
Z	T	S	C2	P04	S103	N02	A03	CT	Z	T	S	D2	SIGT	DT	DD
0									0	13.45A	33.54A	25.194	278.2	0	
10									10	13.45	33.54	25.194	278.2	.028	
20									20	13.37	33.53	25.202	277.4	.056	
30									30	13.35	33.53	25.206	277.1	.083	
50									50	13.22	33.52	25.225	275.3	.139	
75									75	10.89	33.64	25.758	224.6	.202	
100									100	10.41	33.77	25.943	207.0	.256	
125									125	9.61	33.95	26.219	180.8	.305	
150									150	9.20	34.02	26.340	169.3	.350	
200									200	8.69	34.13	26.507	153.4	.432	
250									250	8.34	34.20	26.616	143.1	.508	
300									300	7.77	34.23	26.725	132.8	.580	
400									400	6.86	34.27	26.885	117.6	.710	
500									500	6.30	34.34	27.015	105.3	.828	

RV ALEXANDER AGASSIZ

CALCOFF CRUISE 6902

90045

LATITUDE 32 54.5N		LONGITUDE 118 55.5W		MO/DAY/YR 03/11/69		MESSENGER TIME 2324 GMT		BOTTOM 1664M		WIND 320	SPEED 15KT	WEATHER 1	DOMINANT WAVES 300 05 09		
Z	T	S	D2	P04	S103	N02	H03	DT	Z	T	S	D2	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	13.72	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.	.05	14.7		30	11.98	4.64				
75	10.83		3.80	1.55	22.	.05	16.1		75	10.83	3.80				
89	10.60	33.712	3.56	1.71	25.	.04	18.5	215.4	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	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 36.5N	119 29.5W	C2/14/69	1535 GMT	833M	310	04KT	2	280 07 08							
Z	T	S	02	PC4	SIC3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	13.75	33.50							0	13.75	33.50	25.093	287.8	0	
10	13.78	33.50							10	13.78	33.50	25.095	287.6	.029	
20	13.78	33.49							20	13.78	33.49	25.088	288.3	.058	
30	13.78	33.49							30	13.78	33.49	25.088	288.3	.087	
50	13.78	33.50							50	13.78	33.50	25.095	287.6	.144	
75	11.46	33.45							75	11.46	33.45	25.508	288.3	.212	
100	10.32	33.62							100	10.32	33.62	25.842	216.6	.270	
125	9.72	33.74							125	9.72	33.74	26.037	198.1	.323	
150	9.32	33.88							150	9.32	33.88	26.212	181.5	.371	
200	8.83	34.06							200	8.83	34.06	26.431	160.7	.458	
250	8.35	34.12							250	8.35	34.12	26.552	149.2	.538	
300	7.86	34.18							300	7.86	34.18	26.672	137.8	.612	
400	7.18	34.22							400	7.18	34.22	26.801	125.5	.749	
500	6.56	34.28							500	6.56	34.28	26.933	113.0	.875	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

90053

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 36.5N	119 29.5W	C2/14/69	1619 GMT	833M	310	04KT	1	280 07 08							
Z	T	S	02	PC4	SIC3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	13.83	33.497	6.27	.34	2.	.C3	.6	288.8	0	13.83	6.27				
10	13.80	33.502	6.28	.34	2.	.C8	.6	287.8	10	13.80	6.28				
29	13.80		6.35	.40	2.	.C4	.6		20	13.80	6.33				
57	13.42		5.54	.51	4.	.C9	2.7		30	13.75	6.34				
67	11.77	33.462	5.05	.56	10.	.C6	9.9	252.9	50	13.51	6.04				
81	10.75		4.58	1.25	14.	.C3	14.1		75	11.07	4.73				
96	10.16		4.C2	1.53	20.	.C1	18.2		100	10.08	3.91				
110	9.94		3.70	1.58	23.	.C2	19.3		125	9.71	3.45				
134	9.58		3.35	1.75	27.	.C2	21.6		150	9.35	3.24				
155	9.29		3.21	1.84	30.	.C2	22.6		200	8.87	2.64				
184	9.00		2.85	1.87	33.	.C3	24.6		250	8.37	2.15				
213	8.77		2.49	2.C1	38.	.C1	25.7		300	7.84	1.45				
242	8.46		2.26	2.C5	42.	.C1	28.8		400	7.07	.79				
290	7.94		1.55	2.24	50.	.C1	31.0		500	6.41	.46				
344	7.43		1.12	2.25	57.	.C3	33.9								
426	6.93		.68	2.46	65.	.C0	36.8								
508	6.36	34.3C2	.44	2.49	73.	.C0	37.4	108.9							
590	5.96	34.318	.38	2.55	78.	.C0	38.2	102.8							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

90060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 24.5N	119 57.CW	C2/14/69	2029 GMT	929M	200	01KT	2	290 05 05							
Z	T	S	02	PC4	SIC3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	14.32	33.52							0	14.32	33.52	24.998	296.8	0	
10	14.25	33.52							10	14.25	33.52	25.005	296.2	.030	
20	14.15	33.52							20	14.15	33.52	25.026	294.2	.059	
30	14.18	33.52							30	14.18	33.52	25.028	294.0	.089	
50	14.18	33.52							50	14.18	33.52	25.028	294.0	.148	
75	13.23	33.45							75	13.23	33.45	25.169	280.6	.220	
100	10.98	33.53							100	10.98	33.53	25.657	234.2	.285	
125	10.08	33.70							125	10.08	33.70	25.945	206.8	.341	
150	9.45	33.84							150	9.45	33.84	26.153	187.1	.390	
200	8.60	33.98							200	8.60	33.98	26.404	163.2	.480	
250	7.88	34.08							250	7.88	34.08	26.591	145.5	.559	
300	7.48	34.12							300	7.48	34.12	26.680	137.0	.632	
400	6.84	34.21							400	6.84	34.21	26.840	121.8	.767	
500	6.07	34.24							500	6.07	34.24	26.966	109.9	.889	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

90060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 24.5N	119 57.CW	C2/14/69	2127 GMT	929M	200	01KT	1	290 05 05							
Z	T	S	02	PC4	SIC3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	14.33	33.528	6.27	.34	3.	.C2	1.0	295.7	0	14.33	6.27				
10	14.30	33.539	6.28	.31	3.	.C3	1.2	295.0	10	14.30	6.28				
30	14.21		6.35	.42	4.	.C0	.4		20	14.25	6.32				
59	14.18		6.21	1.34	3.	.C8	.4		30	14.21	6.35				
69	13.61	33.504	5.94	.45	5.	.20	2.9	284.0	50	14.19	6.25				
84	12.03		5.18	.51	11.	.10	11.2		75	12.95	5.65				
99	11.04		4.55	1.19	16.	.C8	14.8		100	11.00	4.51				
115	10.46		4.C4	1.42	20.	.04	17.0		125	10.08	3.76				
139	9.62		3.44	1.67	28.	.C4	22.1		150	9.42	3.30				
159	9.30		3.22	1.75	31.	.C4	24.9		200	8.67	2.94				
188	8.87		3.C3	1.84	35.	.C4	25.7		250	7.96	2.15				
219	8.36		2.73	1.92	41.	.C5	27.8		300	7.48	1.39				
248	7.98		2.19	2.04	47.	.C5	31.5		400	6.66	.79				
297	7.51		1.42	2.24	55.	.C1	33.0		500	5.98	.46				
351	7.00		1.C2	2.35	63.	.C1	34.0		600	5.41	.34				
435	6.44		.67	2.46	73.	.C1	37.8								
519	5.85	34.305	.42	2.52	82.	.C2	39.6	102.4							
603	5.40	34.352	.34	2.55	89.	.C0	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	D2	P04	S103	N02	N03	DT	Z	T	S	D2	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	24.5		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	3.38	93.	.03	36.4											

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				C3/11/69		C215 GMT		854M		320		23KT		1		300 12 08		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD			
C	13.23A								25	223	275.5							
10	13.22								25	223	275.5	.028						
20	13.23								25	223	275.5	.055						
30	13.23								25	230	274.8	.083						
50	13.19								25	246	273.3	.138						
75	13.15								25	246	273.3	.206						
10C	13.62								25	627	237.0	.271						
125	9.41								26	041	197.7	.326						
150	9.05								26	224	180.3	.374						
200	8.31								26	495	154.5	.459						
250	7.68								26	628	142.0	.535						
300	7.08								26	729	132.4	.606						
400	6.25								26	942	112.1	.733						
500	5.88								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		3613M		290		16KT		8		310 10 12		
Z	T	S	D2	P04	S103	N02	N03	DT	Z	T	S	D2	SIGT	DT	DD			
OB	33.366																	
401B	34.130																	
602	5.18	34.259	.41															
804B		34.397																
903	4.27	34.438	.46															
1205B		34.502																
1225	3.40	34.516	.82															
1507	2.81	34.553	1.16															
1606B		34.562																
1757	2.32	34.589	1.62															
2008B		34.608																
2028	2.03	34.612	1.97															
2260	1.89	34.631	2.25															
2410B		34.633																
2510	1.78	34.638	2.38															
2761	1.691	34.654	2.58															
2811B		34.639																
3012	1.641	34.651	2.70															
3211B		34.659																
3231	1.591	34.660	2.79															
3410	1.566	34.658	2.93															
3561	1.564	34.669	2.95															
3610B		34.663																
3660	1.547	34.663	2.99															

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 INDIUM AND MOLYBDENUM WERE COLLECTED FROM LEXAN BOTTLES AT THESE DEPTHS.

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

90065

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 16.0N		120 17.0W		C3/10/69		1551		GMT	3813M	290	16KTT	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	
									1C	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	.288	
									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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

90070

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 02.5N		120 38.5W		C2/15/69		0250		GMT	3926M	190	1CKT	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	
									1C	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	8.59	33.96	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

90070

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 02.5N		120 38.5W		C2/15/69		0406		GMT	3926M	190	1CKT	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	6.29					317.5	0	13.98	6.29				
10	13.99	33.146	6.35					317.7	10	13.95	6.35				
29	13.78		6.43						20	13.88	6.40				
38	13.34		6.44						30	13.73	6.43				
52	12.85	33.252	6.18					288.0	50	12.92	6.22				
67	11.54		6.00						75	11.05	5.76				
91	10.38		5.22						100	10.13	5.01				
109	9.95		4.81						125	9.71	4.42				
129	9.65		4.33						150	9.09	3.92				
148	9.12		3.96						200	8.61	3.00				
176	8.88		3.38						250	7.95	2.35				
210	8.48		2.87						300	7.25	1.83				
238	8.10		2.53						400	6.15	1.05				
286	7.48		1.88						500	5.58	.46				
339	6.64		1.74												
421	6.04		.79												
503	5.56	34.256	.46					102.7							
585	5.19	34.309	.40					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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 90080

LATITUDE 31 44.5N			LONGITUDE 121 15.5W			MC/DAY/YR C2/15/69		MESSENGER TIME C92R GMT		ECTOM 3832M		WIND 170	SPEED 0CKT	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				C	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	.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	1.98	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				.50	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		26.892	116.9	.756		
									400	6.63	34.24						
									500	5.68	34.21		26.991	107.6	.875		

RV CAVIC STARR JORDAN CALCCFI CRUISE 6902 90090

LATITUDE 31 24.5N			LONGITUDE 122 CC.CW			MC/DAY/YR C2/15/69		MESSENGER TIME 1443 GMT		ECTOM 3926M		WIND 210	SPEED 0CKT	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				C	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		
30				6.31	.37	3.	.C3	.2	20	13.51	33.34		25.027	294.1	.059		
60				6.21	.40	3.	.06	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	1.56	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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 93027

LATITUDE 32 56.0N			LONGITUDE 117 15.CW			MC/DAY/YR C2/17/69		MESSENGER TIME 1223 GMT		ECTOM PRM		WIND 59	SPEED 0CKT	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	.26	2.	.C0	.0				C	14.34	33.31	24.833	312.6	0
10				6.37	.26	2.	.C0	.2	10	14.34	33.31		24.833	312.6	.031		
30				4.58	.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.	.C0	15.4	50	12.36	33.32		25.239	274.0	.151		
									75	11.48	33.61		25.628	236.9	.215		

RV CAVIC STARR JORDAN CALCCFI CRUISE 6902 93028

LATITUDE 32 54.5N			LONGITUDE 117 22.CW			MC/DAY/YR C2/17/69		MESSENGER TIME 1355 GMT		ECTOM PRM		WIND C10	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				C	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	14.25	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.	.C6	16.9	50	12.41	33.46		25.337	264.6	.148		
110				2.87	1.73	29.	.C6	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.	.C4	28.3	150	9.75	33.99		26.227	180.0	.361		
300				1.42	2.18	46.	.C3	29.3	200	9.35	34.16		26.419	161.8	.448		
400				1.22	2.32	58.	.C4	32.3	250	8.95	34.20		26.515	152.7	.529		
500				.77	2.43	70.	.C1	36.8	300	8.72	34.25		26.596	145.0	.606		
									400	7.66	34.26		26.764	129.0	.749		
									500	6.62	34.23		26.885	117.6	.880		

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 93030

LATITUDE 32 50.5N			LONGITUDE 117 31.0W			MO/DAY/YR C2/17/69	MESSENDER 1555	TIME GMT	BOTTOM 833M	WIND 160	SPEED 01KT	WEATHER 2	DOMINANT WAVES 270 03 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.32	.31	2.	.CO	.1		0	14.46	33.34		24.830	312.8	0
10			6.32	.31	2.	.CO	.0		10	14.44	33.34		24.835	312.4	.031
30			5.72	.34	3.	.CO	.1		20	14.40	33.35		24.851	310.9	.062
50			4.90	.88	9.	.CO	7.3		30	14.24	33.43		24.946	301.8	.093
80			3.30	1.53	20.	.CO	17.1		50	13.34	33.37		25.085	286.6	.152
110			2.82	1.78	26.	.CO	21.0		75	11.43	33.54		25.583	241.2	.219
150			2.80	1.84	31.	.CO	23.5		100	10.76	33.76		25.874	213.5	.276
200			2.11	2.01	37.	.CO	25.7		125	10.15	33.92		26.098	192.3	.328
250			1.70	2.12	42.	.CO	27.7		150	9.70	34.03		26.266	176.3	.374
300			1.49	2.21	46.	.CO	29.2		200	9.50	34.16		26.401	163.5	.461
400			1.03	2.32	55.	.CO	31.4		250	9.22	34.22		26.493	154.7	.543
500			.80	2.43	67.	.CO	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 32 40.5N			LONGITUDE 117 51.5W			MO/DAY/YR C2/17/69	MESSENDER 2231	TIME GMT	BOTTOM 648M	WIND 300	SPEED 01KT	WEATHER 1	DOMINANT WAVES 270 03 10		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.48	.25	2.	.CO	.2		0	14.56	33.34		24.809	314.8	0
10			6.38	.42	2.	.C1	.2		10	14.44	33.34		24.835	312.4	.031
30			5.66	.42	3.	.C7	.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.	.C7	18.9		50	12.60	33.46		25.301	268.1	.150
110			2.83	1.84	27.	.CO	21.3		75	11.18	33.65		25.714	228.8	.212
150			3.02	1.84	32.	.C2	23.5		100	10.57	33.82		25.954	205.9	.267
200			2.45	1.98	39.	.CO	26.4		125	10.24	33.93		26.097	192.4	.318
250			1.74	2.18	45.	.CO	28.6		150	9.56	34.00		26.266	176.3	.364
300			1.36	2.24	51.	.C1	30.5		200	8.93	34.10		26.446	159.2	.450
400			1.01	2.41	61.	.CO	33.8		250	8.62	34.15		26.534	150.9	.530
500			.55	2.55	76.	.CO	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 32 30.0N			LONGITUDE 118 11.5W			MO/DAY/YR C2/18/69	MESSENDER C317	TIME GMT	BOTTOM 1387M	WIND 310	SPEED 02KT	WEATHER 0	DOMINANT WAVES 270 03 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.06	.28	2.	.CO	.0		0	14.82	33.45		24.838	312.1	0
10			6.05	.28	2.	.CO	.0		10	14.77	33.44		24.841	311.8	.031
40			6.07	.28	2.	.CO	.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.	.C2	11.7		50	14.50	33.46		24.914	304.8	.154
110			3.51	1.53	20.	.C1	17.6		75	12.47	33.46		25.326	265.7	.226
150			2.85	1.78	28.	.C1	22.7		100	11.14	33.62		25.698	230.3	.289
200			2.30	1.95	36.	.CO	26.2		125	10.65	33.75		25.886	212.4	.345
250			1.84	2.05	44.	.C1	29.1		150	10.05	33.91		26.107	191.4	.396
300			1.34	2.21	49.	.CO	30.9		200	9.42	34.09		26.359	167.5	.487
400			.84	2.35	63.	.C1	35.5		250	8.82	34.16		26.510	153.1	.570
500			.36	2.52	74.	.C1	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 32 10.0N			LONGITUDE 118 52.5W			MO/DAY/YR C2/18/69	MESSENDER C853	TIME GMT	BOTTOM 1664M	WIND 150	SPEED 03KT	WEATHER 1	DOMINANT WAVES 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	9.36	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	7.1C	34.24		26.828	123.0	.763
500									500	6.45	34.30		26.964	110.1	.886

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

93C60

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
31 54.0N	119 38.EW	C2/18/69	1432	GMT	2791M	340	07KT	1	290	10	09				
									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	13.74	33.16	24.832	312.7	.095	
									50	13.74	33.19	24.865	309.5	.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	6.05	34.28	26.995	107.2	.916	

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

93070

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
31 24.5N	120 14.EW	C2/18/69	1900	GMT	4213M	310	17KT	1	290	10	10				
									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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

93080

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
31 10.0N	120 54.EW	C2/18/69	2342	GMT	4117M	270	17KT	1	280	10	08				
									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	9.65	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	6.25	34.13	26.851	120.8	.843	
									500	5.63	34.18	26.973	109.2	.964	

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

93090

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER	TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
30 50.0N	121 34.5E	C2/19/69	C359	GMT	4117M	290	17KT	1	280	10	08				
									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 32 42.5N	LONGITUDE 117 27.0W	MO/DAY/YR C2/14/69	MESSENDER TIME 2329 GMT	BOTTOM 593M	WIND 260	SPEED 07KT	WEATHER 2	DOMINANT WAVES 230 04 12							
Z	T	S	02	PC4	S103	NC2	NC3	DT	Z	T	S	02	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 32 42.5N	LONGITUDE 117 27.0W	MO/DAY/YR 02/15/69	MESSENDER TIME 0020 GMT	BOTTOM 593M	WIND 260	SPEED 07KT	WEATHER 2	DOMINANT WAVES 230 04 12							
Z	T	S	02	PO4	S103	NO2	NO3	DT	Z	T	S	02	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	233.2	.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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 97032

LATITUDE 32 12.0N	LONGITUDE 117 15.0W	MO/DAY/YR C2/20/69	MESSENDER TIME 1346 GMT	BOTTOM 1387M	WIND 190	SPEED 12KT	WEATHER 1	DOMINANT WAVES 280 06 08							
Z	T	S	C2	PC4	S103	NC2	NC3	DT	Z	T	S	02	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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 97C32

LATITUDE 32 12.0N	LONGITUDE 117 15.0W	MO/DAY/YR C2/20/69	MESSENDER TIME 1439 GMT	BOTTOM 1387M	WIND 190	SPEED 12KT	WEATHER 1	DOMINANT WAVES 280 06 08							
Z	T	S	C2	PC4	S103	NC2	NC3	DT	Z	T	S	02	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			20	14.36		6.13			
39	13.82		5.30	.48	7.	.19		2.2	30	14.34		6.03			
50	12.03	33.517	4.56	1.02	10.	.07		9.6	253.5	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	31.	.07		26.3	300	9.06		1.04			
225	9.13		1.98	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		.94	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	MO/DAY/YR C2/20/69	MESSENDER TIME 1115 GMT	ECTCM 1295M	WIND 180	SPEED 12Kt	WEATHER 5	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0			6.01	.25	2.	.00	.0		0	14.33	33.43	24.927	303.6	0	
10			6.10	.28	2.	.00	.0		10	14.32	33.43	24.927	303.6	.030	
30			6.03	.24	2.	.00	.0		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	1.35	17.	.03	15.3		50	12.45	33.21	25.129	284.4	.150	
110			2.79	1.50	26.	.21	21.0		75	11.05	33.44	25.574	242.0	.216	
150			2.44	2.12	31.	.00	24.3		100	10.70	33.77	25.933	211.8	.274	
200			2.29	2.21	35.	.00	25.8		125	10.56	33.96	26.065	195.4	.325	
250			1.63	2.43	42.	.04	26.6		150	10.16	34.03	26.189	183.7	.373	
300			1.26	2.55	48.	.02	30.2		200	9.56	34.15	26.383	165.2	.462	
400			.51	2.72	60.	.04	33.2		250	9.07	34.18	26.486	155.4	.545	
500			.60	2.42	73.	.05	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	26.733	113.0	.889	

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 97040

LATITUDE 31 57.0N	LONGITUDE 117 47.5W	MO/DAY/YR C2/20/69	MESSENDER TIME 0827 GMT	ECTCM 1387M	WIND 150	SPEED C3KT	WEATHER 1	DOMINANT WAVES							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0			6.02	.28	2.	.01	.0		0	14.19	33.41	24.941	302.3	0	
10			6.02	.28	2.	.00	.0		10	14.19	33.41	24.941	302.3	.030	
40			.66	2.	.02	.0			20	14.19	33.41	24.941	302.3	.061	
60			5.83	.31	3.	.09	.2		30	14.18	33.41	24.943	302.1	.091	
80			5.16	.71	9.	.08	7.4		50	14.11	33.42	24.966	300.0	.151	
110			4.04	1.08	19.	.00	12.9		75	12.27	33.25	25.202	277.5	.224	
150			3.42	1.75	28.	.13	22.2		100	10.79	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	1.98	41.	.08	22.4		150	9.26	33.82	26.175	185.0	.394	
300			1.20	2.44	50.	.06	30.1		200	8.55	34.00	26.427	161.0	.482	
500			.49	2.80	75.	.07	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	MO/DAY/YR C2/20/69	MESSENDER TIME 0816 GMT	ECTCM 1577M	WIND 270	SPEED 06KT	WEATHER 1	DOMINANT WAVES 280 06 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
									0	14.18	33.30	24.863	309.7	0	
									10	14.13	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 119 10.0W	MO/DAY/YR C2/19/69	MESSENDER TIME 2117 GMT	ECTCM 3926M	WIND 290	SPEED 18KT	WEATHER 1	DOMINANT WAVES 280 11 10							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	14.52	33.58	25.000	296.7	.089	
									50	14.49	33.57	25.001	296.6	.149	
									75	11.68	33.62	25.599	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	33.99	26.053	196.5	.378	
									200	10.51	34.15	26.221	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 97C7C

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER	TIME	BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 55.ON	119 50.W	C2/19/69	1646	GMT	3642M	290	16KTT	1	290 10 09						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.71	33.52		24.916	304.7	0
									10	14.65	33.52		24.920	304.3	.030
									20	14.65	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	MESSENDER	TIME	BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 36.ON	120 29.W	C2/19/69	1223	GMT	3926M	310	14KTT	5	270 10 08						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	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	15.05	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	MESSENDER	TIME	BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 18.ON	121 09.W	C2/19/69	0808	GMT	4117M	300	18KTT	6	270 08 08						
Z	T	S	O2	PC4	SIC3	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	15.05	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	MESSENDER	TIME	BCTTCM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 40.ON	116 46.W	C2/21/69	C402	GMT	408M	330	12KTT	1	280 06						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0				6.27	.34	2.	.00	.1	0	14.05	33.40		24.954	301.0	0
10				6.29	.40	2.	.02	.0	10	14.09	33.40		24.954	301.0	.030
30				5.68	.25	5.	.06	1.0	20	14.09	33.40		24.954	301.0	.060
50				4.11	1.10	13.	.08	1.4	30	13.76	33.50		25.095	287.6	.090
80				3.03	1.73	24.	.07	17.9	50	12.76	33.54		25.331	265.2	.145
110				2.65	1.47	27.	.05	14.2	75	11.56	33.66		25.652	234.6	.208
150				2.30	2.18	32.	.06	23.7	100	10.58	33.91		26.023	199.4	.263
200				1.87	2.35	37.	.08	26.1	125	10.51	34.00		26.105	191.6	.312
250				1.55	2.32	42.	.04	25.3	150	10.24	34.04		26.183	184.2	.360
300				1.40	2.46	44.	.03	27.3	200	9.67	34.17		26.380	165.5	.449
350				1.26	2.55	50.	.07	29.7	250	9.23	34.24		26.507	153.4	.531
									300	8.91	34.27		26.582	146.3	.609

RV CAVIC STARR JORDAN CALCCFI CRUISE 6902 100035

LATITUDE 31 30.5N	LONGITUDE 117 07.0W	MO/DAY/YR 02/21/69	MESSENGER TIME 0742 GHT	BOTTOM 1202M	WIND 320 320	SPEED 02KT 02KT	WEATHER 1	DOMINANT WAVES							
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0			5.94	.34	2.	.00	.0		0	14.78	33.52	24.900	306.1	0	
10			5.94	.31	2.	.00	.0		10	14.78	33.52	24.900	306.1	.031	
30			5.94	.31	2.	.00	.0		20	14.78	33.52	24.900	306.1	.061	
50			4.98	.82	B.	.27	.53		30	14.78	33.52	24.905	305.7	.092	
80			4.19	1.22	13.	.09	10.3		50	13.34	33.53	25.208	276.9	.150	
110			3.24	1.44	18.	.07	14.3		75	12.32	33.58	25.447	254.1	.217	
150			2.79	2.16	30.	.00	73.0		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	2.45	45.	.00	28.6		200	9.98	34.24	26.183	165.2	.478	
400			.75	2.77	58.	.03	33.2		250	9.60	34.31	26.501	154.0	.560	
500			.43	2.85	71.	.03	37.2		300	9.05	34.32	26.599	144.7	.637	
									400	7.57	34.27	26.795	127.1	.779	
									500	7.48	34.30	26.960	110.5	.905	

RV CAVIC STARR JORDAN CALCCFI CRUISE 6902 100040

LATITUDE 31 19.0N	LONGITUDE 117 31.0W	MO/DAY/YR 02/21/69	MESSENGER TIME 0445 GHT	BOTTOM 2316M	WIND 320 320	SPEED 02KT 02KT	WEATHER 1	DOMINANT WAVES 280 08 08							
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0			5.55	.31	2.	.00	.1		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	.31	2.	.00	.0		20	15.01	33.52	24.851	310.9	.062	
50			5.68	.37	2.	.00	.1		30	15.01	33.52	24.851	310.9	.093	
80			1.02	10.	.00	.04			50	14.76	33.52	24.905	305.7	.155	
110			2.79	1.7F	21.	.00	17.5		75	13.82	33.48	25.070	250.0	.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	2.43	37.	.01	26.6		150	11.01	34.02	26.032	198.6	.409	
300			1.36	2.55	43.	.01	28.3		200	10.42	34.17	26.253	177.6	.505	
400			.61	2.75	56.	.02	32.7		250	9.75	34.28	26.446	159.2	.592	
500			.24	2.82	69.	.03	36.4		300	8.90	34.28	26.591	145.4	.671	
									400	7.81	34.33	26.797	125.9	.812	
									500	7.57	34.25	26.908	115.4	.940	

RV CAVIL STARR JORDAN CALCCFI CRUISE 6902 100050

LATITUDE 31 01.0N	LONGITUDE 118 07.0W	MO/DAY/YR 02/21/69	MESSENGER TIME 1416 GHT	BOTTOM 1670M	WIND 320 320	SPEED 02KT 02KT	WEATHER 1	DOMINANT WAVES 300 10 06							
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	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	11.83	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	35.	.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	2.85	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	7.26	34.27	26.965	110.0	.930	

RV CAVIC STARR JORDAN CALCCFI CRUISE 6902 100060

LATITUDE 30 39.5N	LONGITUDE 118 46.0W	MO/DAY/YR 02/21/69	MESSENGER TIME 2202 GHT	BOTTOM 3358M	WIND 300 300	SPEED 14KT 14KT	WEATHER 1	DOMINANT WAVES 300 13 08							
Z	T	S	C2	PC4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0			5.84	.28	2.	.00	.0		0	15.23	33.53	24.810	314.7	0	
10			5.84	.28	2.	.00	.1		10	14.97	33.50	24.844	311.5	.031	
30			5.82	.28	1.	.00	.0		20	14.92	33.50	24.855	310.5	.062	
50			5.77	.40	2.	.01	.7		30	14.85	33.50	24.861	309.9	.094	
80			4.52	1.75	13.	.01	13.0		50	14.75	33.52	24.907	305.5	.155	
110			4.05	1.53	18.	.01	17.6		75	13.34	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.	.01	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			1.49	2.60	51.	.01	30.7		200	8.05	34.15	26.466	157.3	.467	
400			.71	2.82	62.	.01	35.4		250	8.40	34.16	26.576	146.9	.545	
500			.40	2.95	74.	.01	39.0		300	7.03	34.25	26.864	121.3	.755	
									400	6.22	34.28	26.978	108.8	.876	

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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

100070

LATITUDE 30 20.ON	LONGITUDE 119 22.CW	MC/DAY/YR C2/22/69	MESSENDER TIME 0236 GMT	BCTTOM 3832M	WIND 240	SPEED 06KT	WEATHER 1	DOMINANT WAVES 3CO 14 10							
Z	T	S	C2	PC4	SIC3	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	14.76	33.50	24.892	307.0	.092	
80			5.01	.85	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	1.81	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.	.54	37.1		250	8.50	34.25	26.631	141.7	.554	
500			.42	2.83	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

100080

LATITUDE 30 CO.ON	LONGITUDE 120 C7.CW	MC/DAY/YR C2/22/69	MESSENDER TIME C738 GMT	BCTTOM 4289M	WIND 200	SPEED 17KT	WEATHER 1	DOMINANT WAVES 3CO 12 10							
Z	T	S	C2	PC4	SIC3	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	7.82	34.00	26.536	150.7	.590	
300									300	7.28	34.05	26.654	139.5	.664	
400									400	6.52	34.17	26.851	120.8	.800	
500									500	6.07	34.28	26.997	107.0	.920	

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

100080

LATITUDE 30 CO.ON	LONGITUDE 120 C7.CW	MC/DAY/YR C2/22/69	MESSENDER TIME C837 GMT	BCTTOM 4289M	WIND 200	SPEED 17KT	WEATHER 1	DOMINANT WAVES 3CO 12 10							
Z	T	S	C2	PC4	SIC3	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	33.3C2	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	1.1C	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	1.7C	3C.	.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.C		300	7.26		2.09			
268	7.62		2.48	2.2E	49.	.C3	32.1		400	6.44		1.01			
317	7.09		1.52	2.52	57.	.10	35.4		500	6.08		.46			
381	6.54		1.18	2.63	69.	.C6	35.C		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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

100080

LATITUDE 29 35.ON	LONGITUDE 120 5C.CW	MC/DAY/YR C2/22/69	MESSENDER TIME 1328 GMT	BCTTOM 4022M	WIND 300	SPEED 22KT	WEATHER 1	DOMINANT WAVES 3CO 10 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.76	33.37	24.790	316.7	0	
									10	14.76	33.37	24.790	316.7	.032	
									20	14.77	33.37	24.787	316.9	.063	
									30	14.77	33.37	24.787	316.9	.095	
									50	14.78	33.37	24.785	317.1	.159	
									75	14.76	33.37	24.790	316.7	.238	
									100	13.01	33.38	25.158	281.6	.314	
									125	10.8C	33.35	25.549	244.4	.380	
									150	10.2C	33.57	25.824	218.3	.439	
									200	9.74	34.04	26.267	176.2	.539	
									250	9.38	34.22	26.467	157.2	.625	
									300	8.84	34.29	26.609	143.8	.703	
									400	7.86	34.33	26.790	126.6	.844	
									500	6.94	34.35	26.937	112.7	.971	

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902										100C90					
LATITUDE 29 35.0N		LONGITUDE 120 50.0W		MC/DAY/YR C2/22/69		MESSENGER TIME 1518 GMT		PCTCM 4022M		WIND 300	SPEED 22KT	WEATHER 1	DOMINANT WAVES 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.	.C0	.1	315.8	C	14.75		5.95			
9	14.76	33.376	5.93	.26	2.	.C0	.1	316.3	1C	14.76		5.94			
29	14.77		6.04	.26	2.	.C1	.C		20	14.77		5.99			
59	14.77		5.88	.28	2.	.C1	.C		3C	14.77		6.03			
68	14.78	33.375	5.84	.25	2.	.C6	.C	316.7	5C	14.77		5.92			
83	14.30		5.85	.34	2.	.C4	.5		75	14.56		5.90			
98	11.93		5.43	.65	7.	.C2	.5.3		100	11.72		5.38			
114	10.71		5.C1	.96	11.	.C2	10.7		125	10.33		4.53			
139	10.12		2.92	1.45	20.	.C0	18.6		150	9.96		3.61			
158	9.88		3.42	1.78	25.	.C2	22.2		200	9.75		2.62			
187	9.77		2.88	1.55	30.	.C3	25.2		250	9.41		1.89			
218	9.69		2.28	2.15	35.	.C0	27.6		300	8.99		1.46			
247	9.44		1.52	2.21	39.	.C4	28.7		400	8.00		.73			
296	9.02		1.50	2.46	46.	.C4	30.4		500	6.92		.44			
352	8.59		.53	2.60	52.	.C1	33.0		600	6.10		.28			
435	7.55		.65	2.77	63.	.C2	37.1								
520	6.76	34.353	.39	2.85	73.	.C1	39.5	110.1							
603	6.08	34.365	.28	2.94	E3.	.C1	41.4	100.7							

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902										103C30					
LATITUDE 31 06.0N		LONGITUDE 116 24.5W		MC/DAY/YR C2/23/69		MESSENGER TIME 2127 GMT		PCTCM 63M		WIND 140	SPEED 1CKT	WEATHER 1	DOMINANT WAVES 220 C3 05		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									C	14.80	23.46	24.850	310.9	0	
									1C	14.80	33.46	24.850	310.9	.C31	
									20	14.68	33.46	24.876	308.5	.C62	
									3C	14.65	33.46	24.882	307.9	.C93	
									50	12.87	33.48	25.263	271.6	.151	

RV CAVIC STARR JURCAN

CALCCFI CRUISE 6902										103035					
LATITUDE 30 56.0N		LONGITUDE 116 45.0W		MC/DAY/YR C2/23/69		MESSENGER TIME 1851 GMT		PCTCM 1849M		WIND 180	SPEED 1CKT	WEATHER 2	DOMINANT WAVES 280 10 08		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									C	15.25	33.61	24.859	310.1	0	
									10	15.10	33.59	24.885	307.6	.C31	
									20	14.91	33.57	24.911	305.2	.062	
									3C	14.85	33.57	24.924	303.9	.C92	
									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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902										103040					
LATITUDE 30 47.0N		LONGITUDE 117 03.5W		MC/DAY/YR C2/23/69		MESSENGER TIME 1817 GMT		PCTCM 1856M		WIND 270	SPEED 0EKT	WEATHER 6	DOMINANT WAVES 280 10 10		
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									C	15.44	33.61	24.826	313.3	0	
									10	15.44	33.61	24.826	313.3	.C31	
									20	15.45	33.61	24.823	313.5	.C63	
									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	7.03	34.23	26.830	122.8	.827	
									500	6.11	34.27	26.958	110.6	.950	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

103050

LATITUDE 30 25.5N	LONGITUDE 117 46.0W	MC/DAY/YR C2/23/69	MESSENGER 1128 GMT	BOTTOM 2509M	WIND 270	SPEED 02KT	WEATHER 1	DOMINANT WAVES 290 08 08							
Z	T	S	C2	PC4	SIC3	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	7.8C	34.05		26.579	146.6	.563
									300	7.32	34.09		26.678	137.2	.636
									400	6.52	34.21		26.883	117.7	.769
									500	6.36	34.32		26.987	107.9	.888

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

103060

LATITUDE 30 07.5N	LONGITUDE 118 15.0W	MC/DAY/YR C2/23/69	MESSENGER 0702 GMT	BOTTOM 3358M	WIND 270	SPEED 06KT	WEATHER 1	DOMINANT WAVES 300 10 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.01	33.47		24.812	314.5	0
									10	15.0C	33.47		24.815	314.3	.031
									20	15.01	33.47		24.812	314.5	.063
									30	15.0C	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	7.7C	34.2C		26.711	134.0	.635
									400	6.86	34.27		26.885	117.6	.766
									500	6.05	34.30		27.010	105.7	.885

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

103070

LATITUDE 29 48.0N	LONGITUDE 119 00.5W	MC/DAY/YR C2/23/69	MESSENGER 0227 GMT	BOTTOM 3546M	WIND 260	SPEED 08KT	WEATHER 1	DOMINANT WAVES 300 10 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.6C	33.46		24.916	304.7	0
									10	14.59	33.49		24.918	304.5	.030
									20	14.6C	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	7.7C	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

103080

LATITUDE 29 26.5N	LONGITUDE 119 44.0W	MC/DAY/YR C2/22/69	MESSENGER 2157 GMT	BOTTOM 3926M	WIND 300	SPEED 14KT	WEATHER 1	DOMINANT WAVES 300 10 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.82	33.68		24.795	316.2	0
									10	15.82	33.68		24.795	316.2	.032
									20	15.8C	33.68		24.799	315.8	.063
									30	15.8C	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	6.72	34.34		26.958	110.7	.947

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107032

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	HECTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 26.0N	116 11.0E	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	14.58	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	.050
									50	12.21	33.62		25.459	249.2	.144
									75	11.23	33.86		25.868	214.1	.202
									100	10.87	34.00		26.041	197.7	.254
									125	10.79	34.08		26.118	190.4	.303

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	HECTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 21.5N	116 22.5E	C2/24/69	C540 GMT	1757M	180	1CKT	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	8.55	34.28		26.640	140.8	.671
									400	7.52	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	MO/DAY/YR	MESSANGER TIME	HECTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 11.5N	116 40.5E	C2/24/69	C841 GMT	2697M	200	04KT	1	280 05 06							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.82	33.68		24.795	316.2	0
									10	15.82	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	10.09	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	MO/DAY/YR	MESSANGER TIME	HECTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 52.5N	117 18.0E	C2/24/69	1329 GMT	335AM	190	02KT	1	270 08 06							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	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 29 32.ON		LONGITUDE 118 01.5W		MC/DAY/YR C2/24/69	MESSENGER 1852	TIME GMT	BCTTCM 3738M	WIND 190	SPEED 04Kt	WEATHER 1	DOMINANT WAVES 280 10 08				
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
								0	15.04	33.28	24.660	329.0	0		
								10	14.86	33.32	24.730	322.4	.033		
								20	14.85	33.34	24.747	320.7	.065		
								30	14.85	33.34	24.747	320.7	.097		
								50	14.80	33.32	24.743	321.2	.161		
								75	14.45	33.25	24.763	319.2	.242		
								100	12.36	33.39	25.293	268.8	.316		
								125	11.13	33.53	25.630	236.8	.380		
								150	9.90	33.79	26.046	197.2	.435		
								200	9.48	34.08	26.342	169.1	.528		
								250	8.74	34.11	26.484	155.6	.611		
								300	8.55	34.28	26.646	140.2	.688		
								400	7.63	34.28	26.784	127.1	.828		
								500	6.75	34.32	26.939	112.4	.955		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107C70

LATITUDE 29 11.ON		LONGITUDE 118 41.CW		MC/DAY/YR C2/24/69	MESSENGER 2332	TIME GMT	BCTTCM 3075M	WIND 190	SPEED 08Kt	WEATHER 1	DOMINANT WAVES 300 04 06				
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
								0	15.42	33.48	24.730	322.3	0		
								10	15.42	33.48	24.730	322.3	.032		
								20	15.20	33.46	24.763	319.2	.064		
								30	15.20	33.47	24.771	318.5	.096		
								50	15.41	33.55	24.786	317.0	.160		
								75	15.58	33.60	24.787	317.0	.240		
								100	12.62	33.52	25.343	264.0	.313		
								125	11.24	33.63	25.688	231.3	.376		
								150	10.60	33.86	25.980	203.5	.431		
								200	9.96	34.15	26.316	171.6	.526		
								250	9.45	34.28	26.496	154.5	.610		
								300	9.16	34.36	26.612	143.5	.687		
								400	7.85	34.34	26.793	126.3	.829		
								500	6.65	34.33	26.955	110.9	.954		

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

107080

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

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

110C95

LATITUDE 29 46.ON		LONGITUDE 116 CC.CW		MC/DAY/YR C2/26/69	MESSENGER C704	TIME GMT	BCTTCM 1298M	WIND 220	SPEED 04Kt	WEATHER 1	DOMINANT WAVES				
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0		6.49	.34	1.	.C7	.0		0	14.67	33.50	24.909	305.4	0		
10		6.43	.34	2.	.C8	.C		10	14.64	33.51	24.923	304.0	.030		
30		5.28	.71	6.	.34	4.6		20	14.19	33.45	24.972	299.3	.061		
50		4.25	1.22	14.	.23	12.7		30	13.77	33.51	25.105	286.7	.090		
80		3.20	1.78	22.	.17	20.2		50	12.52	33.57	25.401	258.5	.145		
110		2.03	2.18	29.	.12	24.7		75	11.01	33.75	25.822	218.5	.205		
150		1.84	2.26	32.	.25	25.9		100	11.22	34.07	26.032	198.5	.257		
200		1.49	2.41	37.	.10	29.2		125	11.15	34.15	26.107	191.4	.307		
250		1.04	2.55	43.	.44	30.4		150	11.01	34.18	26.156	186.8	.355		
300		.98	2.60	48.	.15	32.4		200	10.05	34.29	26.410	162.7	.444		
400		.62	2.72	57.	.18	34.3		250	9.58	34.36	26.543	150.0	.525		
500		.42	2.83	69.	.29	39.1		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 JORDAN

CALCCFI CRUISE 6902

110040

LATITUDE 29 36.5N	LONGITUDE 116 19.5W	MC/DAY/YR C2/26/69	MESSENDER 0408	TIME GMT	BCTTOM 2227M	WIND 230	SPEED 03KTT	WEATHER 1	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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			5.82	.25	2.	.10	.0		30	15.56	33.63	24.814	314.3	.095	
80			5.86	.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	6.79	34.33	26.942	112.2	.935	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

110050

LATITUDE 29 16.5N	LONGITUDE 116 55.0W	MC/DAY/YR C2/25/69	MESSENDER 2235	TIME GMT	BCTTOM 335AM	WIND 200	SPEED 06KTT	WEATHER 1	DOMINANT WAVES 280 07 08						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	
30			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	6.3		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	46.2		300	8.15	34.12	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 JORDAN

CALCCFI CRUISE 6902

110060

LATITUDE 28 56.5N	LONGITUDE 117 35.0W	MC/DAY/YR C2/25/69	MESSENDER 1742	TIME GMT	BCTTOM 3546M	WIND 200	SPEED 06KTT	WEATHER 1	DOMINANT WAVES 280 10 10						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0			5.59	.29	2.	.00	.1		0	16.04	33.69	24.753	320.2	0	
10			5.76	.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			1.77L	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			2.10C	2.25	44.	.00	25.6		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 JORDAN

CALCCFI CRUISE 6902

110070

LATITUDE 28 35.5N	LONGITUDE 118 17.0W	MC/DAY/YR C2/25/69	MESSENDER 1315	TIME GMT	BCTTOM 3926M	WIND 250	SPEED 04KTT	WEATHER 1	DOMINANT WAVES 290 10 10						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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			4.96	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	12.15	33.50	25.410	257.6	.307	
200			2.53	2.07	34.	.02	25.7		125	10.84	33.66	25.783	222.2	.367	
250			2.17	2.26	42.	.01	28.9		150	10.25	33.86	26.041	197.7	.420	
300			1.79	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			.49	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	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
28 16.5N	118 57.5W	C2/25/69	0407 GMT	4213M	220	12KT	1	280 11 08				
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

113C30

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER 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
									C	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

113C35

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 11.5N	115 38.0W	C2/26/69	1706 GMT	1298M	250	03KT	2	280 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	33.55		24.846	311.4	.094
									50	15.21	33.55		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

113C40

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER TIME	BCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 05.5N	116 00.0W	C2/26/69	1941 GMT	1949M	200	09KT	1	280 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	10.15	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	8.75	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

113050

LATITUDE 28 40.5N	LONGITUDE 116 36.0W	MO/DAY/YR C2/27/69	MESSANGER TIME 0208H GMT	ACTON 3452M	WIND 030	SPEED 12KNT	WEATHER 1	DOMINANT WAVES 30C 08 08							
Z	T	S	C2	PC4	SIC3	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		24.799	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	261.3	.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	34.39		26.488	155.3	.602
									300	9.87	34.49		26.596	145.0	.680
									400	7.83	34.28		26.755	129.9	.824
									500	7.17	34.38		26.913	115.0	.954

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

113060

LATITUDE 28 22.0N	LONGITUDE 117 16.0W	MO/DAY/YR C2/27/69	MESSANGER TIME 0438H GMT	ACTON 3738M	WIND 030	SPEED 06KNT	WEATHER 1	DOMINANT WAVES 30C CR 08							
Z	T	S	C2	PC4	SIC3	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	12.99	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

113070

LATITUDE 28 02.0N	LONGITUDE 117 55.0W	MO/DAY/YR C2/27/69	MESSANGER TIME 0840H GMT	ACTON 3358M	WIND 360	SPEED 02KT	WEATHER 1	DOMINANT WAVES 30C 08 08							
Z	T	S	C2	PC4	SIC3	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	15.93	33.65		24.747	320.8	.162
									75	15.37	33.57		24.810	314.7	.242
									100	12.69	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

113080

LATITUDE 27 43.0N	LONGITUDE 118 31.0W	MO/DAY/YR C2/27/69	MESSANGER TIME 1254H GMT	ACTON 3926M	WIND 040	SPEED 05KT	WEATHER 1	DOMINANT WAVES 30C CR 08							
Z	T	S	C2	PC4	SIC3	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	6.58	34.32		26.965	110.0	.944

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

117030

LATITUDE 28 48.5N	LONGITUDE 114 55.0W	MO/DAY/YR C2/28/69	MESSENDER TIME 1927 GMT	BOTTOM 101M	WIND 300	SPEED 12KT	WEATHER 2	DOMINANT WAVES 330 05 05							
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.02	33.63		24.933	303.0	0
									10	15.02	33.63		24.937	302.6	.030
									20	15.02	33.63		24.937	302.6	.061
									30	15.02	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 28 38.0N	LONGITUDE 115 16.0W	MO/DAY/YR C2/28/69	MESSENDER TIME 1647 GMT	BOTTOM 205M	WIND 320	SPEED 10KT	WEATHER 2	DOMINANT WAVES 330 04 05							
Z	T	S	C2	PC4	SIC3	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

117040

LATITUDE 28 28.0N	LONGITUDE 115 35.5W	MO/DAY/YR C2/28/69	MESSENDER TIME 1047 GMT	BOTTOM 1021M	WIND 340	SPEED 08KT	WEATHER 2	DOMINANT WAVES 310 04 06							
Z	T	S	C2	PC4	SIC3	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		25.990	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	7.19	34.37		26.918	114.5	.884

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

117050

LATITUDE 28 07.5N	LONGITUDE 116 12.5W	MO/DAY/YR C2/28/69	MESSENDER TIME 0537 GMT	BOTTOM 4213M	WIND 320	SPEED 10KT	WEATHER 2	DOMINANT WAVES 320 04 05							
Z	T	S	C2	PC4	SIC3	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 CALCEFII CRUISE 6902 117060

LATITUDE 27 47.5N		LONGITUDE 116 53.0W		MC/DAY/YR C2/28/69		MESSENGER TIME 114 GMT		BOTTOM 3527M		WIND 050	SPEED 05KT	WEATHER 2	DOMINANT WAVES 320 04 06		
Z	T	S	C2	PC4	SIC3	NC2	NC3	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	.C32
									20	15.91	33.72		24.805	315.2	.C63
									30	15.45	33.70		24.803	315.4	.C95
									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	34.16		26.505	153.6	.590
									300	9.3F	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 CALCEFII CRUISE 6902 117070

LATITUDE 27 31.0N		LONGITUDE 117 27.0W		MC/DAY/YR C2/27/69		MESSENGER TIME 2124 GMT		BOTTOM 3546M		WIND 010	SPEED 0/KT	WEATHER 2	DOMINANT WAVES 320 03 07		
Z	T	S	C2	PC4	SIC3	NC2	NC3	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	.C33
									20	16.33	33.69		24.686	326.5	.C65
									30	16.29	33.68		24.688	326.4	.C98
									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 CALCEFII CRUISE 6902 117080

LATITUDE 27 13.5N		LONGITUDE 116 09.0W		MC/DAY/YR C2/27/69		MESSENGER TIME 1700 GMT		BOTTOM 3926M		WIND 060	SPEED 02KT	WEATHER 2	DOMINANT WAVES 320 04 07		
Z	T	S	C2	PC4	SIC3	NC2	NC3	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	.C33
									20	16.56	33.74		24.672	327.9	.C66
									30	16.53	33.73		24.671	328.0	.C99
									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	8.89	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 CALCEFII CRUISE 6902 118039

LATITUDE 28 18.5N		LONGITUDE 115 23.5W		MC/DAY/YR C2/28/69		MESSENGER TIME 1304 GMT		BOTTOM 242M		WIND 060	SPEED 06KT	WEATHER 1	DOMINANT WAVES 330 03 05		
Z	T	S	C2	PC4	SIC3	NC2	NC3	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	.C31
									20	15.57	33.75		24.904	305.8	.C61
									30	15.20	33.73		24.971	299.5	.C92
									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	199.4	.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

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTON		WIND	SPEED	WEATHER	DOMINANT WAVES		
28 18.5N	115 23.5W	C2/28/69		1327	GMT		242M	330	06KT	1			330	03	05
Z	T	S	D2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
1	15.56	33.740	5.78	.34	4.	.02	.0	306.3	0	15.56	5.78				
11	15.53	33.735	5.82	.37	4.	.00	.0	306.0	10	15.53	5.82				
31	15.26 A		5.63	.48	5.	.11	.7		20	15.41	5.73				
46	13.71		3.96	1.05	12.	.23	9.3		30	15.27	5.64				
53	12.83	33.775	3.42	1.44	18.	.18	14.6	249.2	50	13.19	3.63				
67	12.01		2.87	1.75	22.	.07	18.6		75	11.67	2.65				
82	11.45		2.50	1.87	26.	.19	20.8		100	11.22	2.32				
101	11.22		2.31	2.04	29.	.04	23.4		125	11.11	1.87				
125	11.11		1.87	2.18	32.	.54	24.7		150	10.81	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	.94	2.49	40.	.29	28.1	163.8							

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 119C39

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTON		WIND	SPEED	WEATHER	DOMINANT WAVES		
28 19.0N	114 53.0W	C3/01/69		0614	GMT		108M	200	10KT	1			305	05	05
Z	T	S	D2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
									0	15.55	33.73	24.893	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 119C39

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTON		WIND	SPEED	WEATHER	DOMINANT WAVES		
28 19.0N	114 53.0W	C3/01/69		0653	GMT		108M	200	10KT	1			305	05	05
Z	T	S	D2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0	15.49	33.740	5.90	.37	4.	.00	.1	304.8	0	15.49	33.740	24.914	304.8	0	
10	15.50	33.739	5.90	.40	4.	.00	.0	305.1	10	15.50	33.739	24.911	305.1	.031	
20	15.50	33.737	5.96	.34	4.	.00	.0	305.3	20	15.50	33.737	24.910	305.3	.061	
30	15.50	33.737	5.91	.34	4.	.00	.0	305.3	30	15.50	33.737	24.910	305.3	.092	
50	15.50	33.735	5.92	.28	4.	.00	.0	305.4	50	15.50	33.735	24.908	305.4	.153	
71	14.03	33.666	4.36	.48	9.	.02	.9	280.3							

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 12C045

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTON		WIND	SPEED	WEATHER	DOMINANT WAVES		
27 42.5N	115 34.0W	C3/01/69		1311	GMT		2602M	330	11KT	5			330	03	08
Z	T	S	D2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	15.48	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	10.08	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	7.89	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	MESSENDER	TIME	PCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 42.5N	115 34.0W	C3/C1/69	1356	GMT	2602M	330	19KT	5	310 03 07						
Z	T	S	D2	PG4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
1	15.73	33.728	5.54	.34	2.	.CC	.0	310.8	0	15.73	5.94				
11	15.74	33.736	5.81	.31	2.	.CC	.0	310.4	10	15.74	5.82				
30	15.67		5.54	.31	2.	.CC	.0		20	15.71	5.88				
39	15.51		5.79	.31	3.	.C1	.1		30	15.67	5.94				
55	15.51	33.688	5.89	.31	3.	.C2	.0	309.0	50	15.51	5.86				
69	14.38		5.04	.65	6.	.C1	4.1		75	13.7P	4.96				
94	12.03		4.76	.75	9.	.13	7.4		100	11.6E	4.39				
113	11.06		3.65	1.42	16.	.C7	17.6		125	10.5C	3.71				
132	10.24		3.75	1.44	21.	.B3	18.8		150	10.04	3.20				
154	10.03		3.02	1.90	27.	.C7	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		.79	2.55	35.	.38	27.9		300	8.95	.76				
247	10.82		.29	2.65	42.	.C2	29.5		400	6.00	.45				
295	9.09		.77	2.75	46.	.C1	32.2		500	7.05	.39				
349	8.40		.69	2.72	52.	.11	34.3								
432	7.78		.32	2.85	61.	.C1	36.3								
516	6.87	34.398	.42	3.00	70.	.C1	39.0	100.2							
597	5.99	34.354	.30	3.06	PGC	.04	42.1	97.5							

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

120045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	PCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 43.0N	115 33.0W	C3/C5/69	1258	GMT	2416M	330	19KT	1	320 10 09						
Z	T	S	D2	PG4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0	14.85		33.69			25.016	295.1	0							
10	14.86		33.69			25.014	295.3	.C30							
20	14.86		33.69			25.014	295.3	.C59							
30	14.86		33.69			25.014	295.3	.089							
50	14.85		33.69			25.016	295.1	.148							
75	12.50		33.57			25.405	258.1	.218							
100	11.74		33.95			25.844	216.4	.277							
125	10.06		33.94			26.136	188.7	.329							
150	10.15		34.16			26.291	173.9	.375							
200	9.85		34.37			26.506	153.5	.458							
250	9.46		34.45			26.633	141.4	.535							
300	8.87		34.45			26.729	132.4	.606							
400	7.84		34.45			26.887	117.4	.737							
500	6.95		34.43			26.993	107.4	.857							

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

120045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	PCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 43.0N	115 33.0W	03/05/69	1536	GMT	2416M	340	19KT	1	320 08 08						
Z	T	S	D2	PG4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	14.70	5.76				
54	13.62		4.81	.72	10.	.00	6.3		30	14.91	5.75				
63	12.84	33.614	4.46	1.03	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	24.	.00	26.1		150	10.10	2.28				
144	10.10		2.44	2.09	33.	.02	29.0		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	8.50		.66	3.02	56.	.00	37.1								
389	7.94	34.408	.59	3.32	66.	.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	MESSENDER	TIME	PCTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 32.5N	115 53.0W	C3/C1/69	1710	GMT	3632M	300	19KT	2	330 04 08						
Z	T	S	D2	PG4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0	16.06		33.75			24.794	316.3	0							
10	16.05		33.76			24.804	315.3	.032							
20	16.04		33.76			24.806	315.1	.063							
30	16.04		33.76			24.806	315.1	.095							
50	15.80		33.70			24.814	314.3	.158							
75	13.14		33.48			25.210	276.7	.232							
100	11.75		33.68			25.625	237.2	.297							
125	11.15		33.90			25.913	209.8	.354							
150	10.51		33.94			26.058	196.1	.405							
200	9.54		34.08			26.332	170.1	.498							
250	9.03		34.21			26.516	152.6	.581							
300	9.05		34.40			26.661	138.8	.657							
400	7.75		34.39			26.847	121.2	.793							
500	7.72		34.41			26.987	107.9	.915							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6902

120050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 32.5N	115 53.0W	C3/01/69	1757	GMT	3832M	300	16KT	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.C7	.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.C5	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.C3	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	1.98	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	8.08		.85			
245	9.03		2.C6	2.38	41.	.06	25.5		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	34.4C2	.26	3.06	80.	.01	42.1	98.1							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

120055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	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	24.865	309.5	0	
									1C	15.47	33.67	24.865	309.5	.C31	
									20	15.48	33.67	24.863	309.7	.062	
									30	15.47	33.67	24.865	309.5	.C93	
									50	15.46	33.67	24.867	309.3	.155	
									75	15.35	33.67	24.883	307.8	.233	
									100	11.94	33.45	25.419	256.8	.304	
									125	11.30	33.76	25.777	222.7	.364	
									150	10.61	33.95	26.048	197.0	.418	
									200	10.08	34.24	26.366	166.9	.511	
									250	10.05	34.40	26.489	155.2	.593	
									300	9.26	34.41	26.635	141.3	.670	
									400	7.77	34.37	26.834	122.4	.809	
									500	6.75	34.37	26.978	108.7	.931	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6902

120055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	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	PO4	SID3	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	3.3R	86.	.00	42.6								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6902

120060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 14.0N	116 27.5W	C3/C1/69	215C	GMT	3H32M	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	
									1C	17.50	33.95	24.610	333.8	.C33	
									2C	17.47	33.95	24.618	333.1	.067	
									30	17.43	33.95	24.627	332.2	.100	
									5C	17.41	33.95	24.632	331.7	.167	
									75	17.40	33.95	24.634	331.5	.250	
									10C	14.31	33.45	24.947	301.7	.330	
									125	12.05	33.66	25.553	249.1	.399	
									150	11.05	33.86	25.900	211.1	.457	
									20C	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 CAVIC STARR JORDAN CALCOFFI CRUISE 6902 120060

LATITUDE 27 14.0N	LONGITUDE 116 27.5W	MC/DAY/YR C3/C1/69	MESSENDER 2221	TIME GMT	BOTTOM 3832M	WIND 350	SPEED 17KT	WEATHER 1	DOMINANT WAVES 330 06 08						
Z	T	S	C2	PC4	SIC3	N2	N3	DT	Z	T	S	02	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.	.16	2.5	300.0	50	17.42	5.85				
109	13.06		4.74	.82	8.	.C5	7.1		75	17.13	5.52				
124	12.14		3.80	1.23	15.	.12	14.1		100	14.18	5.07				
143	11.29		3.26	1.61	20.	.C7	1.7		125	12.09	3.76				
164	10.68		2.87	1.64	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	9.94	1.51				
243	9.95		1.66	2.32	37.	.18	27.5		300	9.11	.86				
277	9.43		.93	2.56	43.	.C5	32.2		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				
435	7.78		.33	2.94	61.	.C3	35.0								
519	7.08	34.438	.23	3.06	69.	.C4	38.5	1CH.0							
601	6.35	34.440	.17	3.11	78.	.C2	41.2	98.4							

RV DAVID STARR JORDAN CALCOFFI CRUISE 6902 120070

LATITUDE 26 53.0N	LONGITUDE 117 10.0W	MC/DAY/YR C3/C2/69	MESSENDER C91C	TIME GMT	BOTTOM 3738M	WIND 360	SPEED 18KT	WEATHER 2	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	N2	N3	DT	Z	T	S	02	SIGT	DT	DD
									C	17.58	33.99		24.622	332.7	0
									10	17.57	33.99		24.624	332.5	.C33
									20	17.54	33.98		24.624	332.5	.C67
									30	17.47	33.96		24.625	332.4	.100
									50	17.31	33.95		24.656	329.4	.166
									75	17.15	34.03		24.707	324.5	.249
									100	14.19	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 CALCOFFI CRUISE 6902 120070

LATITUDE 26 53.0N	LONGITUDE 117 10.0W	MC/DAY/YR C3/C2/69	MESSENDER C35C	TIME GMT	BOTTOM 3738M	WIND 360	SPEED 18KT	WEATHER 1	DOMINANT WAVES						
Z	T	S	C2	PC4	SIC3	N2	N3	DT	Z	T	S	02	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		5.69	.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	.27	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		2.79	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	3.06	70.	.C3	40.9	110.3							
556	6.31	34.408	.21	3.06	76.	.C4	42.2	100.3							

RV ALEXANDER AGASSIZ CALCOFFI CRUISE 6902 120070

LATITUDE 26 53.0N	LONGITUDE 117 10.0W	MC/DAY/YR C3/C7/69	MESSENDER C527	TIME GMT	BOTTOM 3926M	WIND 310	SPEED 12KT	WEATHER 2	DOMINANT WAVES 330 06 04						
Z	T	S	C2	PC4	SIC3	N2	N3	DT	Z	T	S	02	SIGT	DT	DD
									C	17.10	34.01		24.752	320.3	0
									10	17.11	34.01		24.749	320.5	.C32
									20	17.11	34.02		24.757	319.8	.C64
									30	17.05	34.01		24.754	320.1	.C56
									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	17.20	33.87		25.695	230.6	.376
									150	17.14	33.94		25.946	206.7	.432
									200	17.28	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 26 53.ON	LONGITUDE 117 1C.CW	MC/DAY/YR C3/C7/69	MESSENDER TIME 1541 GMT	BOTTOM 3926M	WIND 320	SPEED 20KT	WEATHER 2	DOMINANT WAVES 330 12 10							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	SIGT	DT	DD
0	17.01	33.954	5.46	.44	2.	.CC	.0	322.4	0	17.01	5.46				
10	17.00	33.953	5.43	.32	2.	.CC	.1	322.2	10	17.00	5.43				
29	17.00		5.54	.32	2.	.CC	.3		20	17.00	5.48				
53	16.99		5.51	.40	2.	.CC	.4		30	17.00	5.54				
63	16.99		5.55	.50	2.	.CC	.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	1.96	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.	.CC	33.5			400	7.45	.69				
263	9.52		1.48	2.75	43.	.CC	36.0		500	6.75	.33				
321	8.33		1.17	2.65	54.	.CC	38.7								
394	7.54	34.290	.72	2.95	64.	.CC	42.1	125.2							
468	6.96	34.330	.41	3.22	75.	.CC	44.0	114.4							
547	6.49		.26	3.52	85.	.CC	45.2								

RV CAVIC STARR JORDAN CALCOFI CRUISE 6902 120080

LATITUDE 26 32.NN	LONGITUDE 117 47.5W	MC/DAY/YR C3/C2/69	MESSENDER TIME 0753 GMT	BOTTOM 4022M	WIND 300	SPEED 20KT	WEATHER 1	DOMINANT WAVES 320 08 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	16.99	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	12.62	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 CAVID STARR JORDAN CALCOFI CRUISE 6902 120080

LATITUDE 26 32.5N	LONGITUDE 117 47.5W	MC/DAY/YR C3/C2/69	MESSENDER TIME 0830 GMT	BOTTOM 4022M	WIND 300	SPEED 20KT	WEATHER 1	DOMINANT WAVES 320 08 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	.C	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	.C		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		4.68	1.02	11.	.11	1C.0		125	11.75	4.47				
141	11.50		3.69	1.30	17.	.C9	14.1		150	11.28	3.30				
160	11.02		2.54	1.81	25.	.C5	2C.3		200	10.13	2.52				
189	10.29		2.56	2.04	33.	1.C5	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.	.C8	28.4		400	8.13	.47				
298	9.26		1.C3	2.63	46.	.C5	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.	.C9	36.3								
520	7.05	34.417	.31	3.CC	71.	.C6	39.1	1C9.1							
604	6.27	34.419	.25	3.CC	81.	.18	4C.9	99.0							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6902 120090

LATITUDE 26 13.ON	LCNGITDUE 11E 27.CW	MC/DAY/YR C3/08/69	MESSENDER TIME 0912 GMT	BOTTOM 4117M	WIND 330	SPEED 1CKT	WEATHER 2	DOMINANT WAVES 300 06 06							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	D2	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	7.32	34.33	26.867	119.3	.843	
									500	6.69	34.42	27.026	104.2	.962	

RV ALEXANDER AGASSIZ

CALCCFI CRUISE 6902

120090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 13.0N	118 27.0W	C3/C8/E9	1542 GMT	4022M	010	08KT	2	C10 06 06							
Z	T	S	D2	PC4	SIC3	N2	N3	FT	Z	T	S	D2	SIGT	DT	DD
0	16.50	23.761	9.57	.26	2.	.02		323.8	0	16.50		5.57			
9	16.49	23.761	9.63	.30	1.	.01		323.4	10	16.49		5.63			
38	16.50		9.62	.32	1.	.00			20	16.49		5.63			
63	16.51		9.60	.30	2.	.00			30	16.50		5.62			
84	16.44		9.60	.22	2.	.00			50	16.50		5.61			
99	13.50	23.604	9.48	.46	4.	.06		274.5	75	16.47		5.60			
113	13.10		9.26	.48	5.	.05			100	13.47		5.47			
133	12.00		9.87	.82	10.	.07			125	12.48		5.05			
153	10.85		9.19	1.27	18.	.00			150	11.01		4.31			
177	10.02		9.15	1.87	28.	.01			200	9.70		3.11			
203	9.67		9.11	1.87	31.	.00			250	8.71		2.79			
226	9.20		9.04	1.55	35.	.01			300	8.55		1.93			
256	8.61		9.69	2.21	41.	.01			400	7.44		.64			
290	8.57		9.72	2.57	48.	.01			500	6.73		.31			
339	8.34		9.00	2.47	54.	.00									
402	7.41	24.305	.83	3.17	67.	.00		122.3							
475	6.94	24.369	.32	3.12	78.	.00		111.1							
552	6.21		.29	3.46	90.	.01									

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

123037

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
27 24.0N	114 46.0W	C3/C8/E9	0547 GMT	71M	310	10KT	1	C10 08 08								
Z	T	S	D2	PC4	SIC3	N2	N3	FT	Z	T	S	D2	SIGT	DT	DD	
									0	14.81	33.83		25.175	280.0	0	
									10	14.57	33.83		25.184	279.2	.028	
									20	13.92	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

CALCCFI CRUISE 6902

123042

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
27 14.0N	114 55.0W	C3/C8/E9	0318 GMT	1577M	330	20KT	1	C10 10 08								
Z	T	S	D2	PC4	SIC3	N2	N3	FT	Z	T	S	D2	SIGT	DT	DD	
									0	15.65	32.74		24.870	309.1	0	
									10	15.65	32.74		24.870	309.1	.031	
									20	15.65	32.74		24.870	309.1	.062	
									30	15.54	32.76		24.919	304.4	.093	
									50	15.46	33.77		24.940	302.4	.154	
									75	13.30	33.68		25.332	265.1	.225	
									100	11.47	32.72		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

CALCCFI CRUISE 6902

123050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
26 57.5N	115 29.5W	C3/C2/E9	0254 GMT	3642M	340	12KT	1	C10 06 04								
Z	T	S	D2	PC4	SIC3	N2	N3	FT	Z	T	S	D2	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		24.766	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		26.141	169.2	.534	
									250	9.80	34.35		26.459	154.2	.617	
									300	9.22	34.36		26.602	144.4	.695	
									400	7.94	34.39		26.825	123.3	.835	
									500	7.05	34.39		26.953	111.1	.960	

RV CAVIC STARR JORDAN CALCCFI CRUISE 6902 123061

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 44.5N	116 15.5W	C3/02/69	1747 GMT	3832M	360	20KT	2	350 08 05							
Z	T	S	C2	PC4	SIC3	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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 127034

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 55.0N	114 06.5W	C3/C3/69	1116 GMT	84M	100	07KT	1	300 08 08							
Z	T	S	C2	PC4	SIC3	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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 12704C

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 43.5N	114 29.CW	C3/C3/69	1351 GMT	3358M	320	08KT	1	300 08 08							
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.45	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 CAVIC STARR JORDAN CALCCFI CRUISE 6902 127050

LATITUDE	LONGITUDE	MC/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 23.0N	115 0E.CW	C3/C3/69	1854 GMT	3642M	320	24KT	2	290 10 10							
Z	T	S	C2	PC4	SIC3	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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

127060

LATITUDE 26 03.5N		LONGITUDE 115 46.5W		MC/DAY/YR C3/C3/69		MESSENGER TIME 2328 GMT		BOTTOM 3926M	WIND 340	SPEED 22KT	WEATHER 2	DOMINANT WAVES 330 10 06			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	C2	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	34.65		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 CAVIC STARR JORDAN

CALCCFI CRUISE 6902

130030

LATITUDE 26 29.0N		LONGITUDE 113 29.0W		MC/DAY/YR C3/C4/69		MESSENGER TIME 2200 GMT		BOTTOM 80M	WIND 280	SPEED 2CKT	WEATHER 2	DOMINANT WAVES 290 05 06			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	C2	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 26 29.0N		LONGITUDE 113 29.0W		MC/DAY/YR C3/C4/69		MESSENGER TIME 2232 GMT		BOTTOM ROM	WIND 280	SPEED 2CKT	WEATHER 1	DOMINANT WAVES 290 05 06			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	C2	SIGT	DT	DD
2	14.66		5.33	.75	3.	.23	5.6		0	14.66		5.33			
12	14.65		5.31	.75	9.	.24	4.7		10	14.65		5.31			
22	14.56		5.31	.75	9.	.25	5.6		20	14.58		5.31			
31	13.98		4.26	1.05	10.	.23	9.4		30	14.05		4.40			
51	12.90		2.46	1.87	22.	.06	20.0		50	12.95		2.53			

RV CAVIC STARR JORDAN

CALCCFI CRUISE 6902

130040

LATITUDE 26 08.0N		LONGITUDE 114 06.5W		MC/DAY/YR C3/C4/69		MESSENGER TIME 1520 GMT		BOTTOM 2378M	WIND 340	SPEED 24KT	WEATHER 2	DOMINANT WAVES 340 08 04			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	C2	SIGT	DT	DD
								0	15.50	33.79		24.950	301.4	0	
								10	15.50	33.79		24.950	301.4	.030	
								20	15.49	33.79		24.953	301.2	.060	
								30	15.49	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	11.69	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 26 08.ON	LONGITLDE 114 06.5W	MC/DAY/YR C3/04/69	MESSENDER TIME 1617 GMT	BCTTOM 2378M	WIND 340	SPEED 24KT	WEATHER 2	DOMINANT WAVES 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.	.C6	.3	302.0	C	15.52	5.87				
9	15.54	33.786	5.83	.42	4.	.C6	.3	302.5	10	15.54	5.83				
28	15.53		5.90	.4C	4.	.15	.2		20	15.53	5.87				
37	15.52		5.75	.37	4.	.C5	.1		30	15.53	5.87				
50	15.32	33.786	5.68	.51	5.	.22	.9	297.9	5C	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.C8	13.	.1C	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.C1	26.	.C9	22.6		150	11.05	2.09				
143	11.20		2.23	2.C9	28.	.C9	24.0		200	10.85	.99				
171	10.91		1.59	2.3E	33.	.C8	27.3		250	10.26	.69				
205	10.89		.91	2.5E	38.	.C8	28.6		300	9.72	.41				
234	10.46		.8C	2.63	41.	.C9	29.4		400	8.42	.28				
283	9.90		.46	2.75	45.	.C7	30.3		500	7.21	.19				
337	9.32		.35	2.8E	49.	.C9	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	3.0C	78.	.08	40.9	100.2							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

130050

LATITUDE 25 49.ON	LONGITLDE 114 45.CW	MC/DAY/YR C3/04/69	MESSENDER TIME 0924 GMT	BCTTOM 3642M	WIND 340	SPEED 22KT	WEATHER 1	DOMINANT WAVES 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
									2C	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 25 49.ON	LONGITLDE 114 45.CW	MC/DAY/YR C3/04/69	MESSENDER TIME 10CC GMT	BCTTOM 3642M	WIND 340	SPEED 22KT	WEATHER 1	DOMINANT WAVES 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.	.C3	.0	324.2	C	17.93	5.49				
11	17.94	34.218	5.49	.34	0.	.C2	.0	324.4	10	17.94	5.49				
30	17.94		5.64	.34	C.	.C0	.0		20	17.94	5.56				
60	17.95		5.43	.31	0.	.C1	.0		30	17.94	5.64				
70	17.93	34.211	5.49	.31	C.	.C0	.C	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.	.C7	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.	.C4	30.0		400	8.43	.21				
296	9.96		.26	2.75	45.	.C0	30.5		500	7.13	.20				
350	9.20		.20	2.83	50.	.C6	31.3		600	6.38	.18				
433	7.94		.22	2.85	60.	.C1	35.7								
517	6.96	34.431	.19	2.94	70.	.C6	39.7	106.9							
602	6.37	34.442	.18	3.0C	77.	.C2	41.7	98.5							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

130060

LATITUDE 25 29.ON	LONGITLDE 115 24.5W	MC/DAY/YR C3/04/69	MESSENDER TIME C335 GMT	BCTTOM 3926M	WIND 340	SPEED 22KT	WEATHER 1	DOMINANT WAVES 330 10 06							
Z	T	S	O2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									C	17.53	34.12		24.733	322.1	0
									10	17.54	34.12		24.731	322.3	.032
									2C	17.54	34.12		24.731	322.3	.065
									30	17.55	34.12		24.728	322.5	.097
									5C	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	.68R
									400	8.46	34.46		26.801	125.6	.828
									500	7.23	34.43		26.959	110.5	.954

RV CAVIC 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	C3/04/69	C446	GMT	3642M	340	22KT	1	330	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.	.C0	.C	322.4	0	17.55		5.63			
10	17.57	34.121	5.63	.31	1.	.C0	.C	322.9	10	17.57		5.63			
29	17.56		5.65	.34	1.	.C0	.C		20	17.56		5.64			
57	17.58		5.57	.34	1.	.C0	.C		30	17.56		5.65			
67	17.57	34.134	5.60	.34	1.	.C0	.C	322.0	50	17.58		5.58			
82	15.11		4.67	.76	7.	.C6	4.8		75	16.35		5.14			
96	14.07		4.27	1.CE	10.	.C4	B.9		100	13.76		4.02			
111	13.01		3.28	1.53	16.	.C0	15.5		125	12.48		2.60			
135	12.23		2.26	2.07	25.	.C1	22.1		150	11.42		1.98			
154	11.71		1.55	2.26	30.	.C0	25.0		200	10.49		1.79			
184	10.66		2.13	2.26	31.	.C0	25.3		250	10.01		1.04			
213	10.42		1.45	2.52	36.	.C1	28.1		300	9.54		.62			
243	10.08		1.11	2.60	40.	.C0	29.0		400	8.48		.30			
292	9.61		.67	2.75	44.	.C0	30.4		500	7.30		.19			
348	9.10		.41	2.FC	50.	.C1	31.7								
431	8.09		.26	2.97	59.	.C1	34.8								
515	7.14	34.439	.18	3.03	6H.	.C1	38.0	108.7							
599	6.40	34.451	.18	2.57	78.	.C0	40.3	98.2							

RV CAVIC 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	C3/05/69	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	.C61
									30	16.12	33.93		24.918	304.5	.C92
									50	15.04	33.85		25.098	287.4	.151
									75	13.41	33.97		25.533	245.9	.218

RV CAVIC 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	C3/05/69	C723	GMT	205N	320	14KT	1	300	08 06					
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	.C30
									20	15.94	33.91		24.944	302.0	.C60
									30	15.94	33.91		24.944	302.0	.091
									50	15.92	31.91		24.946	301.8	.151
									75	13.66	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 CAVIC 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	C3/05/69	C1210	GMT	250N	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	.C32
									20	17.63	34.19		24.762	319.3	.064
									30	17.63	34.19		24.762	319.3	.C96
									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	34.58		26.580	146.5	.695
									400	8.67	34.47		26.776	127.9	.839
									500	7.33	34.42		26.937	112.6	.967

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 133050

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 18.0N		114 23.CW		C3/C5/69		1642 GMT		3546M		320		17KT		1		320 08 06	
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									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		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
24 54.5N		115 C2.CW		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	DD		
									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 137C23

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 34.0N		112 19.CW		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	DD		
									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	13.56	34.28		25.736	226.7	.214		

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 137C23

LATITUDE		LONGITUDE		MC/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
25 34.0N		112 19.CW		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	DD		
2	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		BOTTOM		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	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									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	11.14	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 25 21.5N				LONGITUDE 112 45.5W				MC/DAY/YR C3/06/69				MESSINGER TIME 1944 GMT				BOTTOM 344M				WIND 290				SPEED 12KT				WEATHER 1				DOMINANT WAVES 320 04 05			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD						
C	16.46	34.044	5.59	.48	5.	.09	1.0	303.6	C	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		20	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		2.12	1.70	22.	.14	19.0		100	13.46	1.00																								
101	13.46		.55	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	39.	.03	21.5		200	11.67	.54																								
184	11.89		.79	2.65	43.	.10	25.7		250	11.05	.15																								
218	11.42		.20	2.63	46.	.10	25.2																												
251	11.04	34.020	.15	2.72	48.	.03	24.8	154.9																											
288	10.25	34.018	.15	2.75	44.	.02	24.6	141.7																											

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 137040

LATITUDE 25 01.0N				LONGITUDE 113 29.5W				MC/DAY/YR C3/06/69				MESSINGER TIME 1219 GMT				BOTTOM 373M				WIND 360				SPEED 12KT				WEATHER C				DOMINANT WAVES 34C 04 06			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD						
									0	17.91	34.27																								
									10	17.91	34.27																								
									20	17.91	34.27																								
									30	17.92	34.27																								
									50	17.91	34.27																								
									75	17.83	34.25																								
									100	14.65	34.14																								
									125	13.11	34.23																								
									150	12.76	34.50																								
									200	11.70	34.61																								
									250	10.19	34.59																								
									300	8.72	34.50																								
									500	7.34	34.42																								

RV DAVID STARR JORDAN CALCCFI CRUISE 6902 137040

LATITUDE 25 01.0N				LONGITUDE 113 29.5W				MC/DAY/YR C3/06/69				MESSINGER TIME 1323 GMT				BOTTOM 373M				WIND 360				SPEED 12KT				WEATHER C				DOMINANT WAVES 340 04 06			
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	Z	T	S	O2	SIGT	DT	DD	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	5.39	.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		70	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	10.30	.36																								
220	11.58		.43	2.55	40.	.07	28.7		300	10.23	.26																								
249	10.92		.36	2.63	42.	.09	29.1		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	30.6		600	6.12	.22																								
437	8.22		.22	2.80	62.	.47	32.9																												
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 24 43.0N				LONGITUDE 114 05.0W				MC/DAY/YR C3/06/69				MESSINGER TIME C717 GMT				BOTTOM 3926M				WIND C20				SPEED 20KT				WEATHER 1				DOMINANT WAVES 320 08 06			
<

RV DAVID STARR JORDAN

CALCCFI CRUISE 6902

137050

LATITUDE 24 43.0N	LONGITUDE 114 05.CW	MO/DAY/YR 03/06/69	MESSENDER C757	TIME GMT	BOTTOM 3926M	WIND G20	SPEED 17KT	WEATHER 1	DOMINANT WAVES 320 08 06						
Z	T	S	C2	PC4	SIC3	NC2	NC3	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	1C	18.74		5.45			
30	18.75		5.61	.31	1.	.00	.2		20	18.74		5.53			
59	18.49		5.35	.31	1.	.00	.0		3C	18.75		5.61			
69	17.88	34.183	5.34	.34	2.	.00	.0	325.6	5C	18.57		5.48			
84	13.78		4.78	.74	7.	.00	5.3		75	16.31		5.17			
98	12.36		3.99	1.1C	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			
288	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	2.54	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 24 20.5N	LONGITUDE 114 40.CW	MO/DAY/YR 03/06/69	MESSENDER C252	TIME GMT	BOTTOM 3832M	WIND G340	SPEED 17KT	WEATHER 1	DOMINANT WAVES 320 08 06						
Z	T	S	C2	PC4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
1	18.15	34.267	5.61	.31	1.	.01	.1	325.8	C	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		5.68	.34	1.	.01	.3		2C	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	5C	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	2.05	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

CALCOFF CRUISE 6902

TEN METER DATA

			Z	T	S	R2	DT
40.038	01/26/69	1645GMT 41 47.0N 124 28.0W BOTTOM 155M WIND KT WEATHER 2 DOMINANT WAVES	10	9.57	31.843		336.4
40.040	01/26/69	2010GMT 41 43.0N 124 38.0W BOTTOM M WIND 290 25KT WEATHER 2 DOMINANT WAVES 300 12	10	9.74	32.168		314.9
40.045	01/27/69	0020GMT 41 33.0N 125 00.0W BOTTOM 1341M WIND 290 25KT WEATHER 1 DOMINANT WAVES 300 15	10	9.99	32.660		282.4
40.050	01/27/69	0330GMT 41 23.0N 125 23.0W BOTTOM 3163M WIND 270 30KT WEATHER 2 DOMINANT WAVES 220 15	10	9.99	32.552		290.4
40.055	01/27/69	0705GMT 41 13.0N 125 46.0W BOTTOM 3068M WIND 250 30KT WEATHER 5 DOMINANT WAVES 320 15	10	10.28	32.596		291.8
40.060	01/27/69	1038GMT 41 03.0N 126 08.0W BOTTOM 3163M WIND 310 20KT WEATHER 1 DOMINANT WAVES 320 15	10	9.78	32.576		285.3
40.070	01/27/69	1655GMT 40 43.0N 126 54.5W BOTTOM 3068M WIND 300 35KT WEATHER 6 DOMINANT WAVES 320 18	10	10.11	32.460		299.1
40.080	01/27/69	2127GMT 40 23.0N 127 40.0W BOTTOM 1479M WIND 300 35KT WEATHER 6 DOMINANT WAVES 310 19	10	10.44	32.526		299.5
40.090	01/28/69	0315GMT 40 03.0N 128 25.0W BOTTOM 4588M WIND 320 40KT WEATHER 6 DOMINANT WAVES 320 20	10	10.75	32.561		302.0
40.100	01/28/69	0900GMT 39 43.0N 129 10.0W BOTTOM 4493M WIND 320 40KT WEATHER 7 DOMINANT WAVES 320 20	10	10.50	32.499		302.5
40.120	01/28/69	2025GMT 39 03.0N 130 34.0W BOTTOM 4116M WIND 350 40KT WEATHER 1 DOMINANT WAVES 350 22	10	12.92	33.020		306.5
43.042	01/30/69	1515GMT 41 04.0N 124 20.0W BOTTOM 159M WIND 300 20KT WEATHER 1 DOMINANT WAVES 300 12	10	10.10	32.601		288.5
43.045	01/30/69	1310GMT 40 58.0N 124 34.5W BOTTOM 603M WIND 300 25KT WEATHER 1 DOMINANT WAVES 300 14	10	10.59	32.930		272.1

RV MILLER FREEMAN

CALCOFI CRUISE 6902

TEN METER DATA

			Z	T	S	C2	DT
43.050	01/30/69	0958GMT 40 48.ON 124 57.0W BOTTOM 2841M WIND 300 30KT WEATHER DOMINANT WAVES 300 14	10	10.37	32.717		284.3
43.055	01/30/69	0725GMT 40 38.ON 125 20.0W BOTTOM 2935M WIND 270 25KT WEATHER 2 DOMINANT WAVES 300 16	10	9.76	32.596		283.5
43.060	01/30/69	0508GMT 40 28.ON 125 43.0W BOTTOM 2973M WIND 310 35KT WEATHER 6 DOMINANT WAVES 300 18	10	9.54	32.642		276.7
43.070	01/30/69	0038GMT 40 07.ON 126 28.0W BOTTOM 4318M WIND 310 30KT WEATHER 1 DOMINANT WAVES 300 18	10	10.82	32.560		303.3
43.080	01/29/69	2025GMT 39 48.ON 127 13.0W BOTTOM 4493M WIND 300 35KT WEATHER 6 DOMINANT WAVES 300 15	10	10.94	32.496		310.0
43.090	01/29/69	1630GMT 39 28.ON 127 58.0W BOTTOM 4302M WIND 300 30KT WEATHER 1 DOMINANT WAVES 300 14	10	10.34	32.594		292.9
43.100	01/29/69	1110GMT 39 08.ON 128 43.0W BOTTOM 4308M WIND 360 10KT WEATHER 6 DOMINANT WAVES 360 12	10	10.35	32.607		292.1
43.120	01/29/69	0147GMT 38 29.ON 130 12.0W BOTTOM 4825M WIND 360 35KT WEATHER 2 DOMINANT WAVES 360 20	10	12.95	33.029		306.4
47.050	01/30/69	1948GMT 40 14.ON 124 33.0W BOTTOM 421M WIND 320 20KT WEATHER 1 DOMINANT WAVES 320 12	10	10.67	33.011		267.4
47.055	01/30/69	2215GMT 40 04.ON 124 55.0W BOTTOM 1243M WIND 320 23KT WEATHER 6 DOMINANT WAVES 320 12	10	9.80	32.544		288.0
47.060	01/31/69	0105GMT 39 55.ON 125 18.0W BOTTOM 2785M WIND 360 30KT WEATHER 2 DOMINANT WAVES 360 12	10	10.70	32.656		294.2
47.070	01/31/69	0515GMT 39 35.ON 126 02.0W BOTTOM 3918M WIND 360 30KT WEATHER 1 DOMINANT WAVES 360 12	10	10.73	32.678		293.0
47.080	01/31/69	0917GMT 39 15.ON 126 47.0W BOTTOM 4245M WIND 340 10KT WEATHER 0 DOMINANT WAVES 360 10	10	10.98	32.593		303.5

RV MILLER FREEMAN

CALCOFI CRUISE 6902

TEN METER DATA

			Z	T	S	C2	DT
			10	10.56	32.530		301.2
47.090	01/31/69	1337GMT 38 55.ON 127 31.0W BOTTOM 4335M WIND 280 15KT WEATHER 1 DOMINANT WAVES 300 10					
47.100	01/31/69	1755GMT 38 35.ON 128 17.0W BOTTOM 4688M WIND 280 20KT WEATHER 2 DOMINANT WAVES 300 10	10	10.46	32.564		297.0
47.120	02/01/69	0050GMT 37 55.5N 129 44.5W BOTTOM 4727M WIND 320 18KT WEATHER 2 DOMINANT WAVES 300 10	10	12.60	32.955		305.3
50.047	02/02/69	1218GMT 39 46.ON 123 54.0W BOTTOM 112M WIND 360 10KT WEATHER 1 DOMINANT WAVES 360 08	10	10.71	32.609		297.8
50.050	02/02/69	1020GMT 39 40.ON 124 08.CW BOTTOM 1012M WIND 330 10KT WEATHER 1 DOMINANT WAVES 330 08	10		32.809		
50.055	02/02/69	0702GMT 39 30.ON 124 30.0W BOTTOM 2240M WIND 330 10KT WEATHER 2 DOMINANT WAVES 330 10	10	10.76	32.654		295.3
50.060	02/02/69	0437GMT 39 20.5N 124 52.0W BOTTOM 2804M WIND 360 10KT WEATHER 1 DOMINANT WAVES 360 10	10	9.99	32.521		292.7
50.070	02/02/69	0037GMT 39 00.ON 125 36.5W BOTTOM 4068M WIND 310 20KT WEATHER 1 DOMINANT WAVES 310 14	10	10.43	32.607		293.4
50.080	02/01/69	2022GMT 38 40.ON 126 21.CW BOTTOM 4350M WIND 310 30KT WEATHER 2 DOMINANT WAVES 310 14	10	10.76	32.651		295.5
50.090	02/01/69	1614GMT 38 20.ON 127 04.0W BOTTOM 4588M WIND 320 30KT WEATHER 1 DOMINANT WAVES 320 12	10	11.82	32.565		320.0
50.100	02/01/69	1138GMT 38 00.ON 127 49.CW BOTTOM 4688M WIND 310 20KT WEATHER 1 DOMINANT WAVES 310 10	10	11.87	32.579		319.9
50.120	02/01/69	0443GMT 37 20.ON 129 16.5W BOTTOM 4884M WIND 300 25KT WEATHER 6 DOMINANT WAVES 300 10	10	11.68	32.587		315.9
53.052	02/02/69	1606GMT 39 02.ON 123 52.CW BOTTOM 119M WIND 270 08KT WEATHER 0 DOMINANT WAVES 270 07	10	11.04	32.939		279.0

RV MILLER FREEMAN

CALCOFI CRUISE 69C2

TEN METER DATA

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

RV MILLER FREEMAN

CALCOFI CRUISE 6902

TEN METER DATA

			Z	T	S	02	OT
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 C3KT WEATHER 1 DOMINANT WAVES 320 06	10	13.47	32.922		324.1
60.050	02/05/69	0510GMT 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	02	DT
63.052	02/08/69	1443GMT 37 19.ON 122 36.0W BOTTOM 82M WIND 160 20KT WEATHER 2 DOMINANT WAVES 200 05	10	11.76	33.048		283.3
63.055	02/08/69	1253GMT 37 13.ON 122 50.0W BOTTOM 293M WIND 180 15KT WEATHER 2 DOMINANT WAVES 200 06	10	11.74	33.223		270.1
63.060	02/08/69	0950GMT 37 03.CN 123 12.0W BOTTOM 2576M WIND 180 20KT WEATHER 0 DOMINANT WAVES 200 06	10	12.16	33.244		276.0
63.065	02/08/69	0725GMT 36 53.ON 123 33.0W BOTTOM 3635M WIND 180 20KT WEATHER 2 DOMINANT WAVES 200 06	10	11.86	33.188		274.8
63.070	02/08/69	0513GMT 36 42.5N 123 55.0W BOTTOM 3918M WIND 200 12KT WEATHER DOMINANT WAVES 200 06	10	11.99	32.968		293.3
63.080	02/08/69	0110GMT 36 23.ON 124 38.5W BOTTOM 4270M WIND 180 04KT WEATHER 2 DOMINANT WAVES 190 07	10	12.18	32.900		301.7
63.090	02/07/69	2053GMT 36 03.ON 125 20.0W BOTTOM 4593M WIND 310 05KT WEATHER 2 DOMINANT WAVES 320 07	10	11.24	32.803		292.4
63.100	02/07/69	1707GMT 35 43.ON 126 03.0W BOTTOM 4688M WIND 310 08KT WEATHER 2 DOMINANT WAVES 320 07	10	11.54	32.844		294.5
63.120	02/07/69	1030GMT 35 05.ON 127 30.0W BOTTOM 4669M WIND 320 05KT WEATHER 1 DOMINANT WAVES 320 10	10	13.95	33.075		322.2
67.048	02/08/69	2008GMT 36 53.ON 121 56.0W BOTTOM 45M WIND 07C 10KT WEATHER 2 DOMINANT WAVES 270 03	10	11.78	32.056		356.9
67.050	02/08/69	2117GMT 36 48.ON 122 05.0W BOTTOM 494M WIND 090 10KT WEATHER 2 DOMINANT WAVES 270 03	10	12.00	33.255		272.3
67.055	02/08/69	2332GMT 36 39.ON 122 26.0W BOTTOM 2203M WIND 180 22KT WEATHER 2 DOMINANT WAVES 270 04	10	11.77	33.279		266.5
67.060	02/09/69	0224GMT 36 28.ON 122 47.0W BOTTOM 3091M WIND 180 25KT WEATHER 2 DOMINANT WAVES 270 05	10	12.15	33.272		273.8

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

RV MILLER FREEMAN

CALCOFI CRUISE 6902

TEN METER DATA

			Z	T	S	C2	DT
70.100	02/14/69	0545GMT 34 33.ON 125 12.0W BOTTOM 4593M WIND 260 15KT WEATHER DOMINANT WAVES 270 06	10	14.05	33.046		326.3
70.120	02/13/69	2230GMT 33 53.ON 126 35.5W BOTTOM 4688M WIND 990 C5KT WEATHER 2 DOMINANT WAVES 350 09	10	14.45	33.099		330.4
73.050	02/15/69	0830GMT 35 37.ON 121 17.0W BOTTOM 93M WIND 140 40KT WEATHER 6 DOMINANT WAVES 140 08	10	12.40	33.242		280.5
73.053	02/15/69	1643GMT 35 31.5N 121 28.5W BOTTOM 73M WIND 180 15KT WEATHER 2 DOMINANT WAVES 180 08	10	12.72	33.177		291.2
73.060	02/15/69	2000GMT 35 17.5N 121 58.0W BOTTOM 2410M WIND 230 10KT WEATHER 0 DOMINANT WAVES 250 10	10	12.53	33.139		290.5
73.065	02/15/69	2238GMT 35 08.ON 122 19.0W BOTTOM 4014M WIND 240 15KT WEATHER 0 DOMINANT WAVES 240 10	10	12.49	33.151		288.9
73.070	02/16/69	0110GMT 34 58.ON 122 40.0W BOTTOM 4116M WIND 270 10KT WEATHER DOMINANT WAVES 270 10	10	12.64	33.144		292.2
73.080	02/16/69	0510GMT 34 38.ON 123 22.0W BOTTOM 4116M WIND 270 C5KT WEATHER DOMINANT WAVES 270 08	10	12.42	32.888		307.0
73.090	02/16/69	0900GMT 34 18.5N 124 04.0W BOTTOM 4460M WIND 340 05KT WEATHER 0 DOMINANT WAVES 270 08	10	13.32	32.917		321.0
73.100	02/16/69	1305GMT 33 58.5N 124 45.0W BOTTOM 4688M WIND 180 C7KT WEATHER 0 DOMINANT WAVES 270 04	10	13.72	33.007		322.7
73.120	02/16/69	1944GMT 33 18.ON 126 08.5W BOTTOM 4422M WIND 200 10KT WEATHER 2 DOMINANT WAVES 270 05	10	14.74	33.136		333.5
77.048	02/18/69	0640GMT 35 08.5N 120 43.5W BOTTOM 24M WIND 140 15KT WEATHER DOMINANT WAVES 270 03	10	12.51	33.177		287.3
77.051	02/18/69	0442GMT 35 02.ON 120 56.5W BOTTOM 274M WIND 00KT WEATHER DOMINANT WAVES 270 03	10	12.65	33.163		290.9

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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 320 10KT WEATHER					
		DOMINANT WAVES 320 04					
77-060	02/17/69	2330GMT 34 44.0N 121 34.0W	10	13.03	33.239		292.4
		BOTTOM 896M WIND 180 15KT WEATHER 6					
		DOMINANT WAVES 270 04					
77-065	02/17/69	2114GMT 34 34.0N 121 55.0W	10	12.78	33.075		299.8
		BOTTOM 3730M WIND 180 18KT WEATHER 2					
		DOMINANT WAVES 270 04					
77-070	02/17/69	1902GMT 34 24.0N 122 16.0W	10	12.88	33.056		303.1
		BOTTOM 4021M WIND 180 16KT WEATHER 2					
		DOMINANT WAVES 270 04					
77-080	02/17/69	1509GMT 34 04.0N 122 57.0W	10	13.06	32.939		315.1
		BOTTOM 4260M WIND 180 20KT WEATHER 0					
		DOMINANT WAVES 270 04					
77-090	02/17/69	1035GMT 33 43.0N 123 39.0W	10	12.92	33.027		306.0
		BOTTOM 4403M WIND 180 15KT WEATHER 0					
		DOMINANT WAVES 270 05					
77-100	02/17/69	0717GMT 33 24.0N 124 20.0W	10	12.96	32.831		321.1
		BOTTOM 4688M WIND 180 15KT WEATHER					
		DOMINANT WAVES 270 05					
77-120	02/16/69	2315GMT 32 44.0N 125 42.0W	10	13.50	32.872		328.3
		BOTTOM 4574M WIND 150 15KT WEATHER					
		DOMINANT WAVES 270 06					

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TEN METER DATA

			Z	T	S	02	P04	S103	N02	N03	DT
63.050	02/27/69	1350GMT 37 23.5N 122 28.0W BOTTOM 34M WIND 180 12KT WEATHER 1 DOMINANT WAVES	10	11.46	32.859						292.0
63.052	02/27/69	1532GMT 37 18.5N 122 36.5W BOTTOM 93M WIND 150 24KT WEATHER 1 DOMINANT WAVES 150 08 10	10	11.59	32.986						284.9
63.055	02/27/69	1720GMT 37 12.5N 122 49.5W BOTTOM 331M WIND 140 30KT WEATHER 2 DOMINANT WAVES 140 10 C9	10	11.62	33.013						283.5
67.048	02/26/69	1930GMT 36 53.0N 121 56.5W BOTTOM 37M WIND 130 10KT WEATHER 1 DOMINANT WAVES 280 08 10	10	11.72	32.922	.76	9.	.24	4.6	291.9	
67.055	02/26/69	1458GMT 36 39.0N 122 25.0W BOTTOM 2037M WIND 260 02KT WEATHER 1 DOMINANT WAVES 290 06 CP	10	12.12	33.240						275.6
67.060	02/26/69	1114GMT 36 28.0N 122 47.0W BOTTOM 2945M WIND 270 10KT WEATHER 1 DOMINANT WAVES	10	11.84	33.212						272.7
67.065	02/26/69	0805GMT 36 19.0N 123 09.0W BOTTOM 3354M WIND 280 15KT WEATHER 1 DOMINANT WAVES 290 06 08	10	11.75	33.212	.76	7.	.39	5.8	271.1	
67.070	02/26/69	0528GMT 36 05.0N 123 30.0W BOTTOM 3541M WIND 280 18KT WEATHER 1 DOMINANT WAVES 290 08 CE	10	11.64	32.949	.56	3.	.05	1.1	288.5	
67.080	02/26/69	0015GMT 35 48.5N 124 12.0W BOTTOM 3938M WIND 290 13KT WEATHER 1 DOMINANT WAVES 270 10 10	10	12.00	32.793	.48	2.	.03	.3	306.4	
67.090	02/25/69	1915GMT 35 28.5N 124 56.0W BOTTOM 4428M WIND 270 13KT WEATHER 1 DOMINANT WAVES 270 10 10	10	13.42	33.054	.40	2.	.03	.0	313.4	
70.051	02/21/69	1715GMT 36 11.5N 121 45.0W BOTTOM 84M WIND 130 C7KT WEATHER 2 DOMINANT WAVES 260 04 10	10	11.88	33.161	.72	9.	.27	5.3	277.1	
70.065	02/23/69	0435GMT 35 43.0N 122 44.0W BOTTOM 1775M WIND 190 15KT WEATHER 2 DOMINANT WAVES	10	12.10	33.244	.52	5.	.11	2.2	275.0	
73.050	02/20/69	1238GMT 35 37.0N 121 17.0W BOTTOM 121M WIND 040 07KT WEATHER 2 DOMINANT WAVES	10	12.11	33.203	.64	6.	.14	3.9	278.2	

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TEN METER DATA

		Z	T	S	02	P04	S103	N02	N03	DT
73.060	02/21/69 0600GMT 35 18.5N 121 57.5W BOTTOM 2974M WIND 010 24KT WEATHER 1 DOMINANT WAVES 320 14 11	10	12.71	33.080	.02	.40	2*	.03	.0	298.2
73.065	02/21/69 0252GMT 35 08.5N 122 18.0W BOTTOM 3866M WIND 320 20KT WEATHER 1 DOMINANT WAVES 320 14 12	10	12.37	33.181		.46	4*	.08	.6	284.5
73.070	02/21/69 0012GMT 34 55.0N 122 40.0W BOTTOM 4061M WIND 320 30KT WEATHER 1 DOMINANT WAVES 320 16 13	10	12.30	33.123		.44	4*	.04	.1	287.5
73.080	02/20/69 1618GMT 34 39.0N 123 23.0W BOTTOM 4213M WIND 330 30KT WEATHER 2 DOMINANT WAVES 330 16 13	10	12.52	33.013		.42	3*	.02	.0	299.6
73.090	02/20/69 1040GMT 34 1E.5N 124 04.0W BOTTOM 3263M WIND 340 27KT WEATHER 2 DOMINANT WAVES 340 15 12	10	13.10	32.912						317.8
77.048	02/19/69 0031GMT 35 08.5N 120 43.5W BOTTOM 56M WIND 300 18KT WEATHER 1 DOMINANT WAVES 290 06 08	10	12.43	33.297		1.87	10*	.29	6.8	277.0
77.055	02/19/69 0700GMT 34 54.5N 121 13.0W BOTTOM 556M WIND 320 22KT WEATHER 5 DOMINANT WAVES	10	12.68	33.129		.40	0*	.04	.5	294.0
77.060	02/19/69 0857GMT 34 44.5N 121 35.0W BOTTOM 903M WIND 300 24KT WEATHER 2 DOMINANT WAVES	10	12.80	33.198		.42	2*	.03	.0	291.1
77.065	02/19/69 1240GMT 34 34.0N 121 54.5W BOTTOM 3731M WIND 300 21KT WEATHER 2 DOMINANT WAVES	10	12.48	33.119		.46	3*	.03	.0	291.0
77.070	02/19/69 1555GMT 34 24.0N 122 16.0W BOTTOM 4111M WIND 340 21KT WEATHER 2 DOMINANT WAVES 320 08 08	10	12.74	33.056		.44	4*	.04	.1	300.5
77.080	02/19/69 2050GMT 34 05.0N 122 56.0W BOTTOM 4241M WIND 330 18KT WEATHER 1 DOMINANT WAVES 330 09 08	10	13.36	32.964		.36	2*	.01	.0	318.9
77.090	02/20/69 0210GMT 33 44.0N 123 39.0W BOTTOM 4155M WIND 340 16KT WEATHER 2 DOMINANT WAVES 340 15 12	10	12.72	32.898		.52	2*	.01	.1	311.7
80.051	02/18/69 1241GMT 34 26.0N 120 33.0W BOTTOM 101M WIND 130 09KT WEATHER DOMINANT WAVES	10	13.22	33.232		.42	0*	.02	.0	296.6

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TEN METER DATA

	Z	T	S	O2	P04	S103	N02	N03	DT
80.065 02/19/69 2335GMT 33 59.5N 121 29.5W BOTTOM 3348M WIND 180 13KT WEATHER 5 DOMINANT WAVES 220 08 10	10	13.12	32.983	.02	.44	0.	.00	.0	313.0
83.040 02/15/69 1320GMT 34 13.5N 119 21.5W BOTTOM 28M WIND 080 12KT WEATHER 6 DOMINANT WAVES	10	13.51	32.984	.40	10.	.07			320.3
83.055 02/16/69 0600GMT 33 44.0N 120 24.5W BOTTOM 1110M WIND 310 11KT WEATHER 1 DOMINANT WAVES 300	10	13.17	33.390	.36	4.	.00	.0	284.0	
83.060 02/16/69 0857GMT 33 34.0N 120 45.0W BOTTOM 1258M WIND 330 09KT WEATHER 1 DOMINANT WAVES	10	13.04	33.321		3.		.0	286.6	
83.070 02/16/69 1417GMT 33 13.5N 121 26.0W BOTTOM 3738M WIND 330 10KT WEATHER 1 DOMINANT WAVES	10	14.03	33.013						328.3
83.080 02/16/69 1905GMT 32 55.5N 122 06.5W BOTTOM 4165M WIND 330 04KT WEATHER 1 DOMINANT WAVES 290 10 08	10	13.41	32.989	.34	2.	.00	.0	318.0	
83.090 02/17/69 0002GMT 32 34.0N 122 48.0W BOTTOM 4270M WIND 320 03KT WEATHER 1 DOMINANT WAVES 240 12 08	10	13.23	32.998	.48	1.	.00	.0	313.9	

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TEN METER DATA

		Z	T	S	02	P04	S103	N02	N03	PT
87.033	02/13/69 0105GMT 33 54.0N 118 29.5W BOTTOM 48M WIND 280 12KT WEATHER 1 DOMINANT WAVES 270 04 08	10	14.20	33.073						327.3
87.050	02/14/69 1103GMT 33 20.0N 119 39.5W BOTTOM 73M WIND 300 12KT WEATHER DOMINANT WAVES	10	12.80	33.381	.48	5.	.14	2.3	277.7	
87.055	02/16/69 1255GMT 33 13.0N 120 00.0W BOTTOM 833M WIND 320 08KT WEATHER DOMINANT WAVES 320 04	10	13.31	33.404	.34	3.	.04	.7	285.6	
87.060	02/16/69 0947GMT 33 00.0N 120 21.5W BOTTOM 650M WIND 300 02KT WEATHER 0 DOMINANT WAVES 300 08	10	14.13	33.518	.31	2.	.03	.6	293.3	
87.070	02/16/69 0515GMT 32 39.5N 121 02.0W BOTTOM 3842M WIND 290 02KT WEATHER 1 DOMINANT WAVES	10	12.84	33.226						289.8
87.080	02/16/69 0035GMT 32 20.0N 121 43.0W BOTTOM 4117M WIND 280 10KT WEATHER 1 DOMINANT WAVES 310 08	10	13.60	33.307	.31	3.	.12	.0	298.3	
87.090	02/15/69 2032GMT 31 59.0N 122 24.0W BOTTOM 4404M WIND 260 06KT WEATHER 0 DOMINANT WAVES 260 08	10	13.43	33.216						301.7
93.045	02/18/69 0645GMT 32 18.0N 118 37.0W BOTTOM 1757M WIND 260 02KT WEATHER 1 DOMINANT WAVES 270 03 07	10	13.96	33.437						295.8
93.050	02/18/69 0910GMT 32 10.0N 118 52.5W BOTTOM 1664M WIND 150 03KT WEATHER 1 DOMINANT WAVES 270 05 07	10	14.65	33.554						301.1
93.055	02/18/69 1126GMT 32 00.0N 119 09.0W BOTTOM 3738M WIND 330 06KT WEATHER 5 DOMINANT WAVES 250	10	14.04	33.393						300.6
93.060	02/18/69 1457GMT 31 54.0N 119 38.0W BOTTOM 2791M WIND 340 07KT WEATHER 1 DOMINANT WAVES 290 10 09	10	13.90	33.152						315.6
93.070	02/18/69 1919GMT 31 24.5N 120 14.0W BOTTOM 4213M WIND 31C 17KT WEATHER 1 DOMINANT WAVES 290 10 10	10	14.24	33.300						311.4
93.080	02/18/69 2353GMT 31 10.0N 120 54.0W BOTTOM 4117M WIND 270 17KT WEATHER 1 DOMINANT WAVES 280 10 08	10	14.24	33.148						322.6

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TEN METER DATA

		Z	T	S	02	P04	S103	N02	N03	DT
		10	14.89	33.188		.28	1.	.00	.2	332.8
93.090	02/19/69 0414GMT 30 50.ON 121 34.5W BOTTOM 4117M WIND 290 17KT WEATHER 1 DOMINANT WAVES									
97.029	02/20/69 1657GMT 32 17.5N 117 04.5W BOTTOM 47M WIND 110 04KT WEATHER 1 DOMINANT WAVES 280 06 08	10	14.22	33.400		.28	4.	.05	.1	303.7
97.030	02/20/69 1617GMT 32 16.ON 117 07.CW BOTTOM 56M WIND 110 12KT WEATHER 1 DOMINANT WAVES 280 06 08	10	14.18	33.392						303.5
97.045	02/20/69 0547GMT 31 46.5N 118 07.5W BOTTOM 1849M WIND 990 00KT WEATHER 1 DOMINANT WAVES 280 06 08	10	14.48	33.542		.23	2.	.00	.0	298.5
97.050	02/20/69 0338GMT 31 36.ON 118 24.0W BOTTOM 1577M WIND 270 06KT WEATHER 1 DOMINANT WAVES 280 06 08	10	14.13	33.308		.25	2.	.01	.1	308.7
97.055	02/20/69 0004GMT 31 25.5N 118 49.0W BOTTOM 761M WIND 270 12KT WEATHER 1 DOMINANT WAVES 280 10	10	14.04	33.189		.31	2.	.02	.1	315.6
97.060	02/19/69 2135GMT 31 15.5N 119 10.CW BOTTOM 3926M WIND 290 18KT WEATHER 1 DOMINANT WAVES 280 11 10	10	14.54	33.581		.23	0.	.01	.0	296.9
97.070	02/19/69 1700GMT 30 55.ON 119 50.5W BOTTOM 3642M WIND 290 16KT WEATHER 1 DOMINANT WAVES 290 10 08	10	14.69	33.518		.31	2.	.00	.0	304.5
97.080	02/19/69 1255GMT 30 36.ON 120 29.CW BOTTOM 3926M WIND 310 14KT WEATHER 5 DOMINANT WAVES 270 10 08	10	15.08	33.431		.25	2.	.00	.0	318.9
97.090	02/19/69 0827GMT 30 18.ON 121 09.0W BOTTOM 4117M WIND 300 18KT WEATHER 6 DOMINANT WAVES 270 08 08	10	15.10	33.441		.28	1.	.00	.0	318.6
100.029	02/21/69 0315GMT 31 42.ON 116 43.5W BOTTOM 93M WIND 330 12KT WEATHER 1 DOMINANT WAVES	10	14.05	33.423		.31	2.	.00	.0	298.6
100.046	02/21/69 1406GMT 31 07.5N 117 53.0W BOTTOM 1572M WIND 300 14KT WEATHER 1 DOMINANT WAVES 300 10	10	14.98	33.587		.31	3.	.00	.0	305.4
100.055	02/21/69 1916GMT 30 52.ON 118 23.0W BOTTOM 2509M WIND 280 10KT WEATHER 1 DOMINANT WAVES 300 10 08	10	15.53	33.606		.31	2.	.01	.0	315.5

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TEN METER DATA

		Z	T	S	D2	P04	S103	N02	N03	DT
103.029	02/23/69 2220GMT 31 07.0N 116 21.0W BOTTOM 30M WIND 200 11KT WEATHER 1 DOMINANT WAVES 260 04 C6	10	14.83	33.402		.33	2.	.01	.0	315.9
103.030	02/23/69 2131GMT 31 06.0N 116 24.5W BOTTOM 63M WIND 140 10KT WEATHER 1 DOMINANT WAVES 220 03 05	10	14.82	33.467		.30	2.	.00	.0	310.9
103.035	02/23/69 1919GMT 30 56.0N 116 45.0W BOTTOM 1849M WIND 180 10KT WEATHER 2 DOMINANT WAVES 280 10 08	10	14.99	33.585		.30	2.	.01	.0	305.8
103.040	02/23/69 1638GMT 30 47.0N 117 03.5W BOTTOM 1856M WIND 270 08KT WEATHER 6 DOMINANT WAVES 280 10 10	10	15.46	33.606		.33	2.	.00	.0	314.1
103.045	02/23/69 1423GMT 30 36.0N 117 18.5W BOTTOM 2043M WIND 240 09KT WEATHER 1 DOMINANT WAVES 250 09 C9	10	15.56	33.492		.33	2.	.02	.0	324.5
103.050	02/23/69 1152GMT 30 25.5N 117 40.0W BOTTOM 2509M WIND 270 02KT WEATHER 1 DOMINANT WAVES 290 08 06	10	14.94	33.489		.36	1.	.00	.0	311.8
103.055	02/23/69 0930GMT 30 15.5N 118 02.0W BOTTOM 2509M WIND 270 16KT WEATHER 1 DOMINANT WAVES	10	15.04	33.498		.33	1.	.01	.0	313.2
103.060	02/23/69 0717GMT 30 07.5N 118 19.0W BOTTOM 3358M WIND 270 C6KT WEATHER 1 DOMINANT WAVES 300 10 08	10	15.04	33.472						315.1
103.070	02/23/69 0251GMT 29 48.0N 119 00.5W BOTTOM 3546M WIND 260 08KT WEATHER 1 DOMINANT WAVES 300 10 08	10	14.54	33.492		.36	1.	.00	.0	303.4
103.080	02/22/69 2213GMT 29 26.5N 119 44.0W BOTTOM 3926M WIND 300 14KT WEATHER 1 DOMINANT WAVES 300 10 08	10	15.82	33.675		.28	1.	.00	.1	316.7
107.031	02/24/69 0322GMT 30 28.0N 116 07.0W BOTTOM 41M WIND 160 04KT WEATHER 1 DOMINANT WAVES 280 04	10	14.12	33.502		.31	2.	.00	.2	294.2
107.032	02/24/69 0419GMT 30 26.0N 116 11.0W BOTTOM 371M WIND 200 05KT WEATHER 1 DOMINANT WAVES 280 04	10		33.485		.31	2.	.03	.2	
107.035	02/24/69 0609GMT 30 21.5N 116 22.5W BOTTOM 1757M WIND 180 10KT WEATHER 2 DOMINANT WAVES 280 05 C6	10	15.72	33.620		.28	2.	.02	.1	318.6

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TEN METER DATA

		Z	T	S	D2	P04	S103	N02	N03	DT
107.040	02/24/69 0851GMT BOTTOM 2697M WIND 200 04KT WEATHER 1 DOMINANT WAVES	10	15.84	33.677	.02	.28	2.	.06	.2	317.0
107.045	02/24/69 1111GMT BOTTOM 1670M WIND 180 02KT WEATHER 1 DOMINANT WAVES	10	15.70	33.659	.28	2.	.01	.2	315.3	
107.050	02/24/69 1352GMT BOTTOM 3358M WIND 190 02KT WEATHER 1 DOMINANT WAVES 270 08 06	10	15.71	33.651	.28	2.	.08	.1	316.1	
107.055	02/24/69 1638GMT BOTTOM 3358M WIND 160 08KT WEATHER 1 DOMINANT WAVES 280 11 08	10	14.52	33.299	.31	1.	.00	.2	317.1	
107.060	02/24/69 1913GMT BOTTOM 3738M WIND 190 04KT WEATHER 1 DOMINANT WAVES 280 10 08	10	14.90	33.349	.25	2.	.00	.2	321.2	
107.070	02/24/69 2350GMT BOTTOM 3075M WIND 190 08KT WEATHER 1 DOMINANT WAVES 300 04 C6	10	15.31	33.481	.28	2.	.00	.1	320.1	
107.080	02/25/69 0409GMT BOTTOM 3832M WIND 200 08KT WEATHER 1 DOMINANT WAVES 290 11 08	10	16.08	33.736	.23	2.	.00	.2	317.8	
110.032	02/26/69 0943GMT BOTTOM 41M WIND 210 05KT WEATHER 1 DOMINANT WAVES	10	14.36	33.584						293.0
110.045	02/26/69 0114GMT BOTTOM 1040M WIND 220 06KT WEATHER 1 DOMINANT WAVES 280 07 08	10	15.92	33.662	.31	2.	.06	.0	319.8	
113.029	02/26/69 1406GMT BOTTOM 26M WIND 990 01KT WEATHER 1 DOMINANT WAVES	10	14.58	33.633	.40	5.	.08	.0	293.9	
113.030	02/26/69 1255GMT BOTTOM 58M WIND 990 01KT WEATHER 1 DOMINANT WAVES 300 04 C7	10	14.65	33.566	.34	3.	.06	.0	300.2	
113.035	02/26/69 1722GMT BOTTOM 1298M WIND 250 03KT WEATHER 2 DOMINANT WAVES 280 08 08	10	15.28	33.591	.28	2.	.06	.0	311.4	
113.040	02/26/69 1959GMT BOTTOM 1949M WIND 200 09KT WEATHER 1 DOMINANT WAVES 280 08 08	10	15.26	33.563	.37	3.	.14	.0	313.0	

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TEN METER DATA

	Z	T	S	02	P04	S103	N02	N03	DT
113.045	02/26/69	2219GMT	28 51.0N 116 17.0W		10 15.96	33.665			
	BOTTOM	2135M	WIND 32C 10KT WEATHER 1						
	DOMINANT WAVES	300 06 07							
113.050	02/27/69	0045GMT	28 40.5N 116 36.0W		10 15.74	33.672			
	BOTTOM	3452M	WIND 33C 12KT WEATHER 1						
	DOMINANT WAVES	300 08 09							
113.060	02/27/69	0458GMT	28 22.0N 117 16.0W		10 15.98	33.685			
	BOTTOM	3738M	WIND 030 06KT WEATHER 1						
	DOMINANT WAVES	300 08 02							
113.070	02/27/69	0915GMT	28 02.0N 117 55.0W		10 16.14	33.666			
	BOTTOM	3358M	WIND 36C 02KT WEATHER 1						
	DOMINANT WAVES	300 08 08							
113.080	02/27/69	1322GMT	27 43.0N 118 31.0W		10 16.01	33.720			
	BOTTOM	3926M	WIND 040 05KT WEATHER 1						
	DOMINANT WAVES	300 08 08							
117.025	02/28/69	2210GMT	28 58.0N 114 37.0W		10 15.25	33.675			
	BOTTOM	43M	WIND 29C 16KT WEATHER 2						
	DOMINANT WAVES	280 04 08							
117.026	02/28/69	2120GMT	28 56.0N 114 41.5W		10 15.26	33.673			
	BOTTOM	71M	WIND 300 09KT WEATHER 2						
	DOMINANT WAVES	330 04 05							
117.030	02/28/69	1940GMT	28 48.5N 114 55.0W		10 15.01	33.635			
	BOTTOM	101M	WIND 30C 12KT WEATHER 2						
	DOMINANT WAVES	330 05 05							
117.035	02/28/69	1708GMT	28 38.0N 115 16.0W		10 15.59	33.747			
	BOTTOM	205M	WIND 32C 10KT WEATHER 2						
	DOMINANT WAVES	330 04 05							
117.040	02/28/69	1105GMT	28 28.0N 115 35.5W		10 15.54	33.766			
	BOTTOM	1021M	WIND 34C 08KT WEATHER 2						
	DOMINANT WAVES	310 04 06							
117.045	02/28/69	0816GMT	28 18.0N 115 56.0W		10 15.09	33.576			
	BOTTOM	3642M	WIND 34C 10KT WEATHER 2						
	DOMINANT WAVES	300 05 06							
117.050	02/28/69	0558GMT	28 07.5N 116 13.6W		10 15.78	33.769			
	BOTTOM	4213M	WIND 32C 10KT WEATHER 2						
	DOMINANT WAVES	320 04 05							
117.060	02/28/69	0133GMT	27 47.5N 116 53.0W		10 15.92	33.743			
	BOTTOM	3527M	WIND 05C 05KT WEATHER 2						
	DOMINANT WAVES	320 04 06							

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CALCOFI CRUISE 6902

TEN METER DATA

		Z	T	S	02	P04	S103	N02	N03	CT
117.070	02/27/39 2141GMT 27 31.0N 117 27.0W BOTTOM 3546M WIND 010 07KT WEATHER 2 DOMINANT WAVES 320 03 C7	10	16.40	33.700	.02	.25	2.	.03	.0	327.4
117.080	02/27/69 1728GMT 27 13.5N 118 09.0W BOTTOM 3926M WIND 060 02KT WEATHER 2 DOMINANT WAVES 320 04 C7	10		33.718		.28	2.	.15	.0	
120.024	03/01/69 0135GMT 28 25.0N 114 10.5W BOTTOM 32M WIND 320 06KT WEATHER 2 DOMINANT WAVES 290 C3 03	10	15.46	33.721		.37	5.	.00	.1	305.7
120.025	03/01/69 0215GMT 28 22.5N 114 15.0W BOTTOM 50M WIND 300 10KT WEATHER 2 DOMINANT WAVES	10	15.52	33.712		.37	4.	.00	.0	307.6
120.030	03/01/69 0420GMT 28 13.0N 114 34.0W BOTTOM 93M WIND 320 11KT WEATHER 1 DOMINANT WAVES	10	15.41	33.701		.37	4.	.00	.1	306.1
120.035	03/01/69 0853GMT 28 03.0N 114 54.0W BOTTOM 84M WIND 300 02KT WEATHER DOMINANT WAVES	10	15.61	33.752		.34	4.	.00	.0	306.6
120.040	03/01/69 1055GMT 27 56.5N 115 14.0W BOTTOM 39M WIND 340 08KT WEATHER 1 DOMINANT WAVES	10	15.62	33.772		.34	5.	.02	.2	305.3
123.036	03/03/69 0644GMT 27 26.0N 114 36.0W BOTTOM 47M WIND 320 04KT WEATHER 1 DOMINANT WAVES 320 03 08	10	13.78	33.833		1.05	14.	.34	.2	263.3
123.037	03/03/69 0559GMT 27 24.0N 114 40.0W BOTTOM 71M WIND 310 10KT WEATHER 1 DOMINANT WAVES 320 08 08	10		33.832		.91	12.	.29	6.5	
123.042	03/03/69 0337GMT 27 14.0N 114 59.0W BOTTOM 1577M WIND 330 20KT WEATHER 1 DOMINANT WAVES 320 10 08	10	15.70	33.741		.34	3.	.00	.0	309.3
123.045	03/03/69 0130GMT 27 07.0N 115 12.0W BOTTOM 4213M WIND 320 18KT WEATHER 1 DOMINANT WAVES 320 05 08	10	15.79	33.735		.34	3.	.00	.0	311.7
123.050	03/02/69 2310GMT 26 57.5N 115 29.5W BOTTOM 3642M WIND 340 12KT WEATHER 1 DOMINANT WAVES 330 06 C4	10	16.36	33.808		.31	2.	.04	.0	318.7
123.061	03/02/69 1808GMT 26 44.5N 116 15.5W BOTTOM 3832M WIND 360 20KT WEATHER 2 DOMINANT WAVES 350 08 C5	10	17.34	33.944		.28	2.	.00	.0	330.6

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CALCOFI CRUISE 69C2

TEN METER DATA

		Z	T	S	02	P04	S103	N02	N03	DT
127.033	03/03/69 1032GMT 26 57.5N 114 02.0W BOTTOM 65M WIND 300 07KT WEATHER 0 DOMINANT WAVES	10	15.10							
127.034	03/03/69 1127GMT 26 55.0N 114 06.5W BOTTOM 84M WIND 100 07KT WEATHER 1 DOMINANT WAVES	10	15.90	33.860		.42	3.	.06	.1	304.9
127.04C	03/03/69 1425GMT 26 43.5N 114 29.0W BOTTOM 3358M WIND 320 08KT WEATHER 1 DOMINANT WAVES 300 08 08	10	15.44	33.712		.40	3.	.01	.0	305.9
127.045	03/03/69 1643GMT 26 34.0N 114 49.0W BOTTOM 3358M WIND 320 17KT WEATHER 1 DOMINANT WAVES 300 07	10	16.54	33.858		.31	2.	.03	.0	318.2
127.050	03/03/69 1921GMT 26 23.0N 115 08.0W BOTTOM 3642M WIND 320 24KT WEATHER 2 DOMINANT WAVES 290 10 10	10	16.38	33.804		.34	2.	.01	.0	319.4
127.060	03/03/69 2344GMT 26 03.5N 115 46.5W BOTTOM 3926M WIND 340 22KT WEATHER 2 DOMINANT WAVES 330 10 04	10	17.70	34.195		.34	1.	.02	.0	321.3
130.028	03/04/69 2348GMT 26 33.5N 113 21.0W BOTTOM 56M WIND 290 18KT WEATHER 1 DOMINANT WAVES 290 05 06	10	15.68	33.938		.51	7.	.06	.5	294.5
130.035	03/04/69 1922GMT 26 18.0N 113 47.5W BOTTOM 595M WIND 300 20KT WEATHER 2 DOMINANT WAVES 320 07 05	10	16.66	33.990		.37	2.	.00	.2	312.0
130.045	03/04/69 1244GMT 25 58.5N 114 26.5W BOTTOM 3546M WIND 320 24KT WEATHER 2 DOMINANT WAVES 300 12 08	10	16.72	33.941		.31	2.	.00	.1	316.9
133.023	03/05/69 0352GMT 26 08.5N 112 40.0W BOTTOM 75M WIND 320 20KT WEATHER 1 DOMINANT WAVES 300 06 05	10	16.19	34.029		.45	5.	.07	1.0	298.8
133.025	03/05/69 0510GMT 26 04.5N 112 48.0W BOTTOM 86M WIND 340 24KT WEATHER 1 DOMINANT WAVES 300 08 06	10	16.10	33.919		.37	3.	.07	.2	304.9
133.030	03/05/69 0730GMT 25 54.5N 113 07.5W BOTTOM 205M WIND 320 14KT WEATHER 1 DOMINANT WAVES	10	15.94	33.909		.37	4.	.02	.0	302.2
133.035	03/05/69 0950GMT 25 45.5N 113 26.5W BOTTOM 1587M WIND 320 15KT WEATHER 1 DOMINANT WAVES	10	17.11	34.133		.31	1.	.08	.0	311.6

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CALCOFI CRUISE 6902

TEN METER DATA

	Z	T	S	02	P04	S103	N02	NC3	DT
133.040 03/05/69 1235GMT 25 34.ON 113 45.0W BOTTOM 2509M WIND 300 18KT WEATHER 1 DOMINANT WAVES 300 08 C6	10	17.62	34.183	.02	.34	1.	.09	.0	319.6
133.050 03/05/69 1705GMT 25 18.ON 114 23.CW ROTOM 3546M WIND 320 17KT WEATHER 1 DOMINANT WAVES 320 08 C6	10	17.74	34.227		.34	1.	.01	.0	319.2
133.060 03/05/69 2138GMT 24 54.5N 115 02.0W BOTTOM 4117M WIND 330 13KT WEATHER 1 DOMINANT WAVES 330 06 C6	10	18.30	34.293		.31	2.	.11	.0	327.5
137.022 03/07/69 0018GMT 25 36.ON 112 15.0W BOTTOM 52M WIND 280 16KT WEATHER 1 DOMINANT WAVES 320 04 05	10	16.31	34.068		.45	4.	.16	.7	298.6
137.035 03/06/69 1707GMT 25 11.5N 113 02.5W BOTTOM 1077M WIND 360 10KT WEATHER 1 DOMINANT WAVES 360 02 C3	10	17.13	34.129		.36	1.	.00	.1	312.4

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