

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6904
2-26 April 1969

CalCOFI Cruise 6905
5-29 May 1969

and

CalCOFI Cruise 6906
9-28 June 1969

SIO Reference 77-22
1 November 1977

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Sponsored by
Marine Research Committee

SIO Reference 77-22

Approved for distribution:

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

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INTRODUCTION

The data in this report was collected during cruises 6904*, 6905 and 6906 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV David Starr Jordan, of the Bureau of Commercial Fisheries (now National Marine Fisheries Service), and the RV Alexander Agassiz, of the Scripps Institution of Oceanography. The report preceeding this one in the series was SIO Ref. 76-14, which included data for January and February 1969.

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

The hydrographic casts consisted of 12 to 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 Nansen bottle was usually placed on the wire a few meters above the STD and another bottle was lowered to a depth of approximately 10 meters. Temperature, salinity, and nutrients were determined for most of the 10 meter samples. On the RV David Starr Jordan water samples at some stations were collected with a Niskin rosette lowered on the STD cable. Thermometers were used on the deepest Niskin sampler to record the temperature.

In general, paired protected reversing thermometers were used to determine temperatures which were recorded to 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 salinities for the three cruises included in this report were all determined using Bissett Berman (now Plessey Environmental Systems) Model 6220 inductive salinometers. Difficulty was experienced at times with each salinometer resulting in some values being omitted from the tabulations.

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

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

Phosphate, silicate, nitrite, and nitrate were determined using a first generation Technicon AutoAnalyzer^R and methods developed at the Bureau of Commercial Fisheries based on the methodologies of Strickland (1968).

The observed data could not be evaluated using standard DCPG techniques (Klein, 1973) due to the sparsity of salinity data. Oxygen and nutrient values were plotted against depth.

In Situ Salinity/Temperature/Depth Recorder (STD) data

The Bissett Berman Model 9006 STD was used on both ships for lowerings on all three cruises. Both ships also used the digital data logger (DDL) Model 8114 for data recording.

The STD and data logger appeared to work well on all cruises included in this report. Comparison of sample bottle observations with the STD data from corresponding depths resulted in the following corrections to the tabulated STD data:

	Temperature °C 0-500m	Salinity ‰ 0-500m
Cruise 6904		
RV <u>Alexander Agassiz</u>	-0.02	0.01
RV <u>David Starr Jordan</u>	-0.013	-0.041
Cruise 6905		
RV <u>David Starr Jordan</u>	-0.01	-0.02
Cruise 6906		
RV <u>David Starr Jordan</u>	none	-0.028

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

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

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

1. Data from the sample 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 on the right of the page. Corrections have been applied to the temperature and salinity values as discussed previously in this report. Nutrient data from samples collected with a Niskin rosette is tabulated at observed levels of depth to the left of the STD data.

The same parameters have been tabulated in this report as in previous reports. The decimal has been omitted from the CalCOFI station number so station 90.65 appears in the tabulated data as 90065. The column headings are to be interpreted as follows:

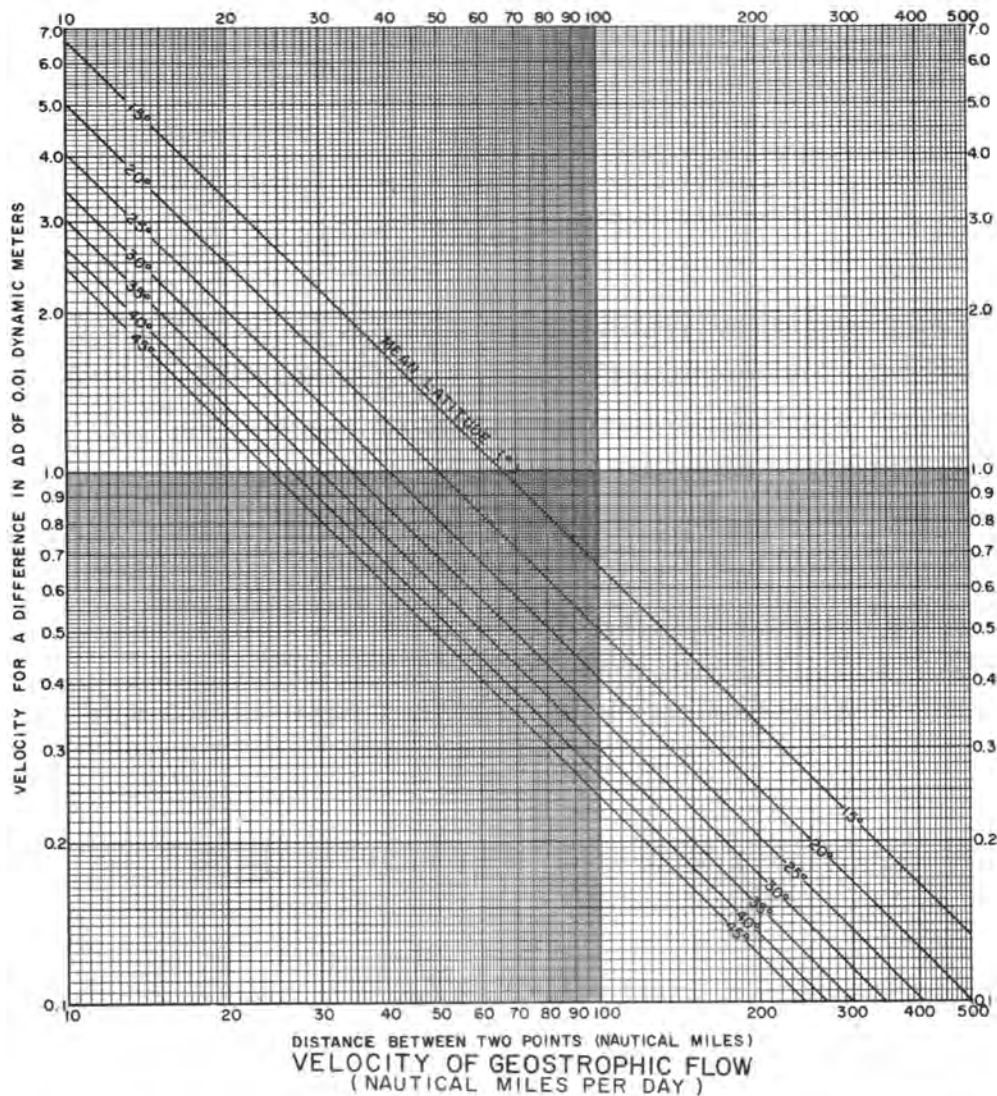
Z	Depth	Meters
T	Temperature	°C
S	Salinity	‰
O2	Dissolved oxygen	ml/L
PO4	"Reactive" inorganic phosphate-phosphorous	µg at/L
SiO3	"Reactive" inorganic silicate-silicon	µg at/L
NO2	"Reactive" nitrite-nitrogen	µg at/L
NO3	"Reactive" nitrate-nitrogen	µg at/L
DT	δT Thermosteric anomaly	cl/ton
SIGT	$\sigma_t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

FOOTNOTES

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

REFERENCES

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- Carpenter, J.H., 1965. The Chesapeake Bay Institute technique for Winkler dissolved oxygen method. Limnol. and Oceanogr., 10: 141-143.
- In situ Salinity/Temperature/Depth Monitoring and Recording System, Model 9006, Tech. Rep. No. 102, Hytech Marine Products, The Bissett Berman Corporation (now Plessey Environmental Systems).
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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: 52pp.
- Strickland, J.D.H., and T.R. Parsons, 1968. A practical handbook of seawater analysis. Fish. Res. Board of Canada, Bull. No. 167: 311pp.
- University of Washington, 1960. Univ. of Wash. Dept. of Oceanography, Oct. 1960. Tech. Rep. UW Ref. No. 60-18.



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

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

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

FIGURES

Cruise 6906

1. CalCOFI Cruise 6906, station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of thermosteric anomaly at 10 meters
7. Horizontal distribution of temperature at 200 meters
8. Horizontal distribution of salinity at 200 meters
9. Horizontal distribution of thermosteric anomaly at 200 meters

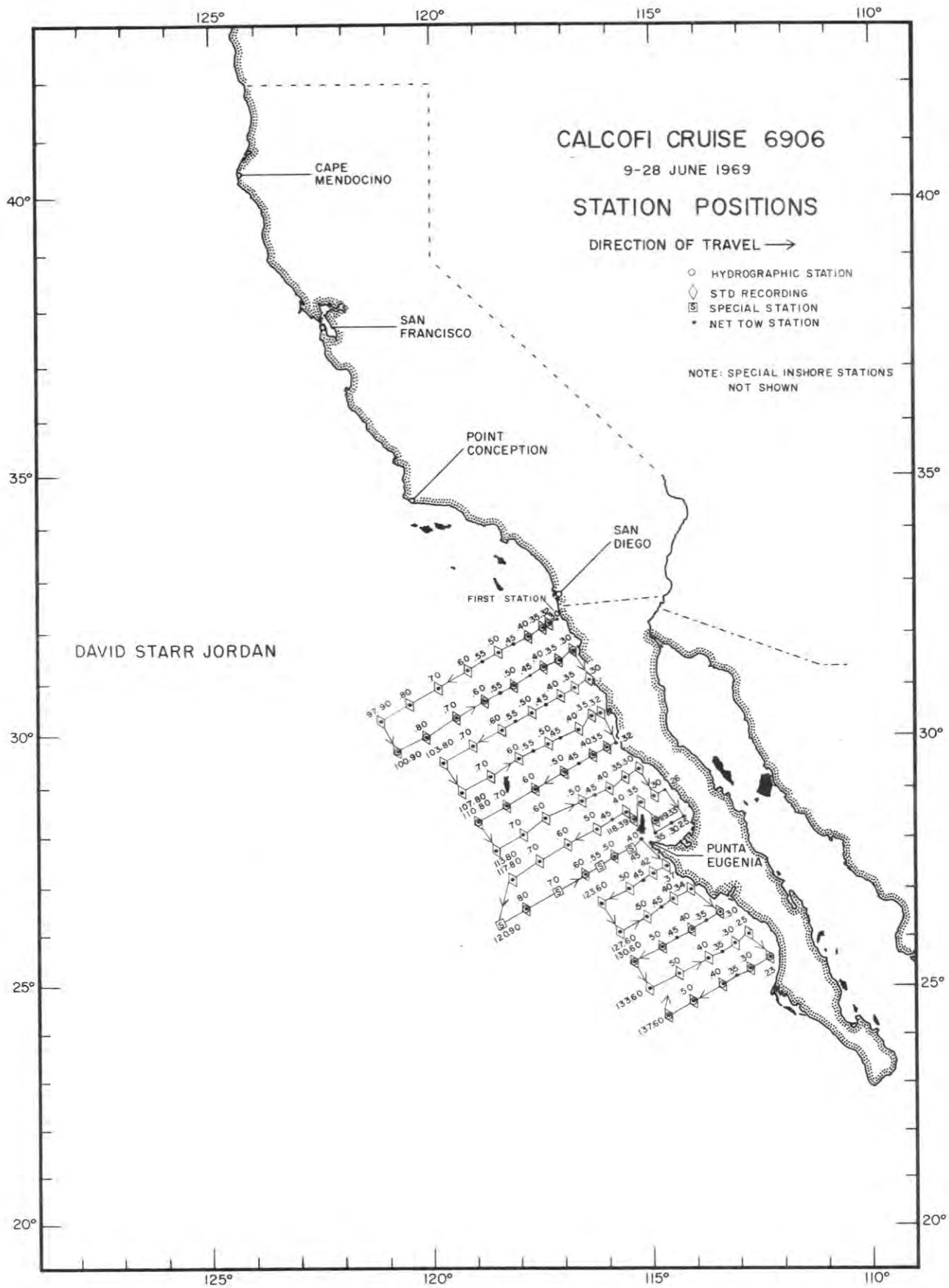


FIGURE 1

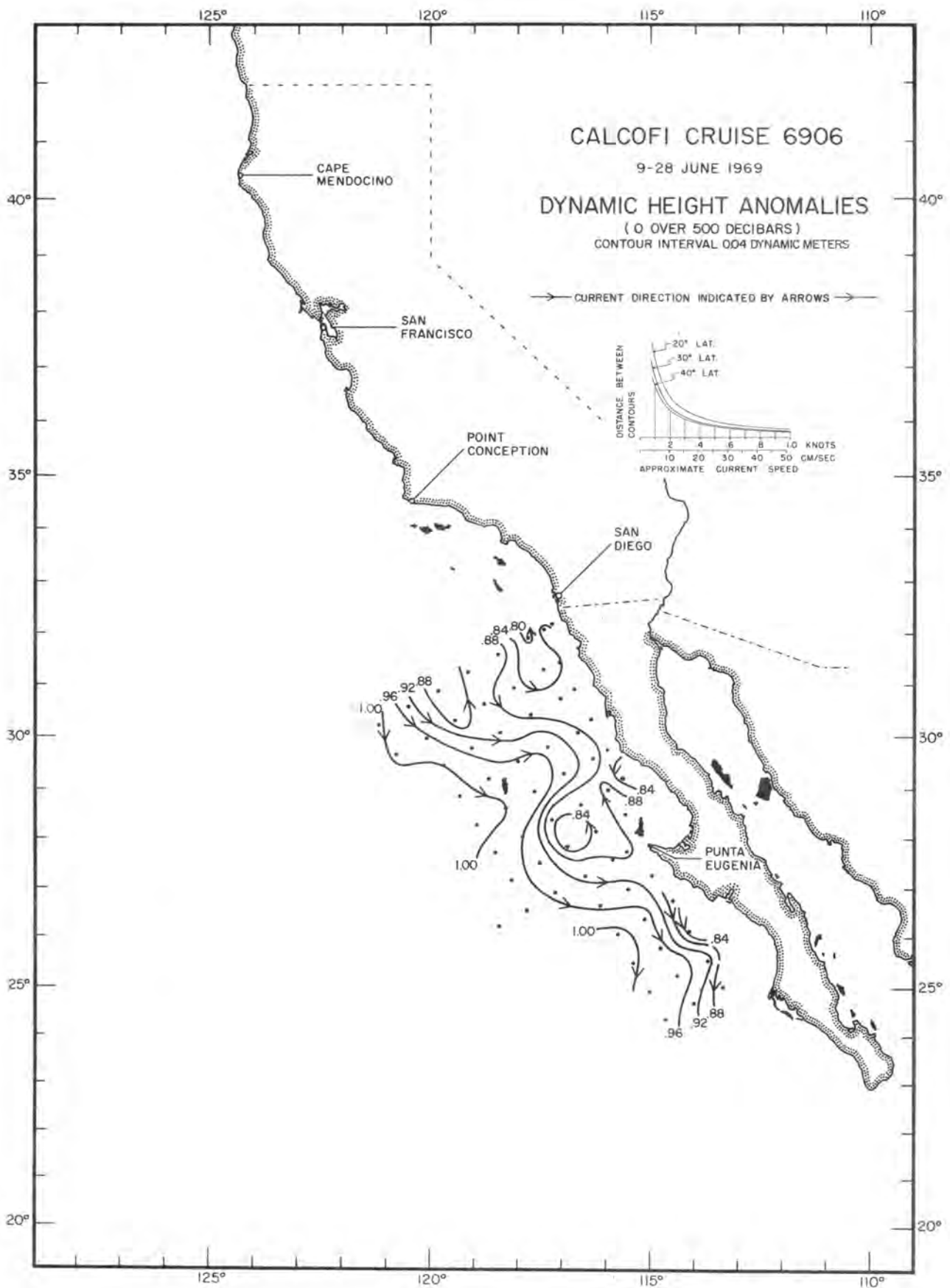


FIGURE 2

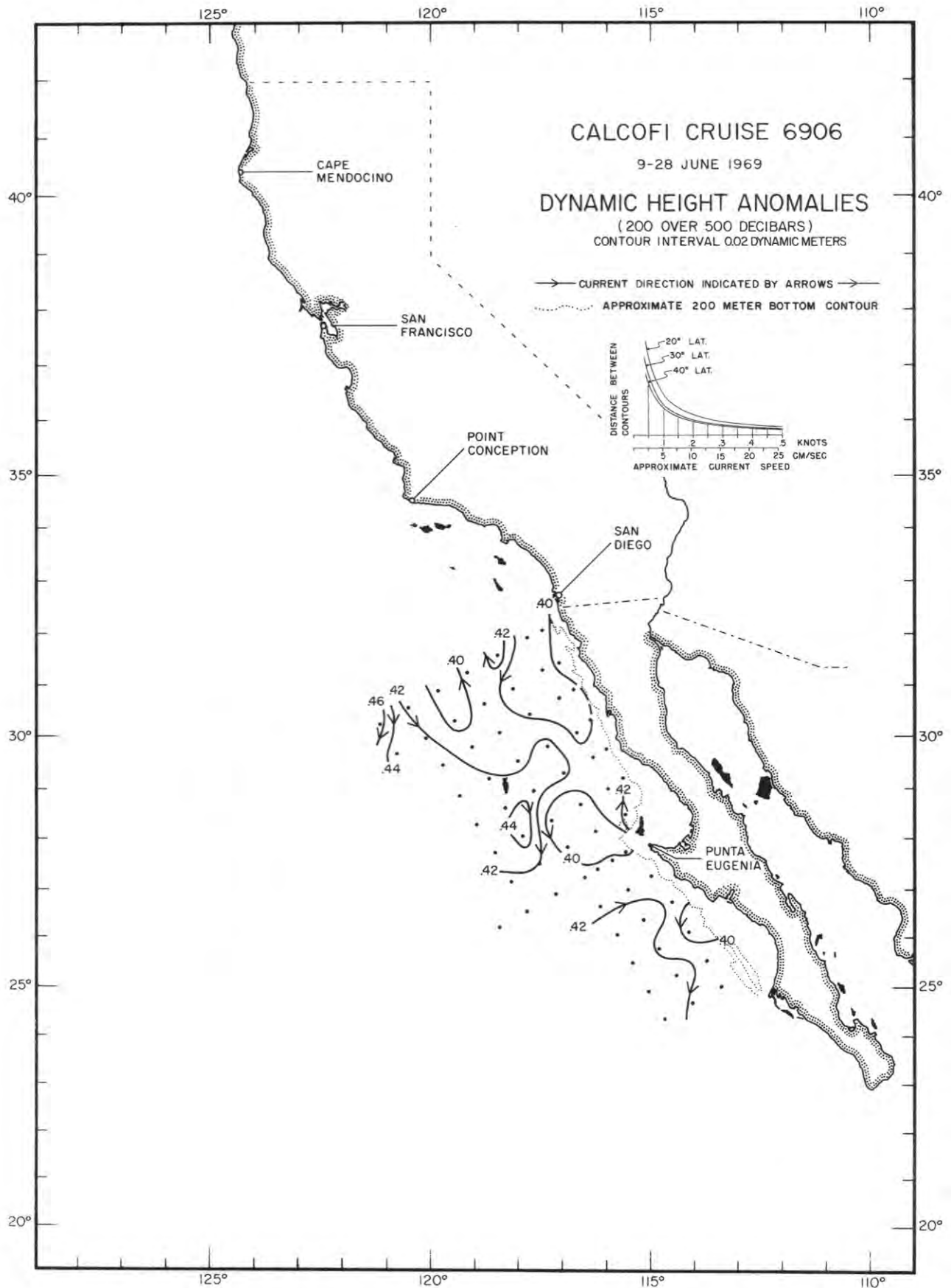


FIGURE 3

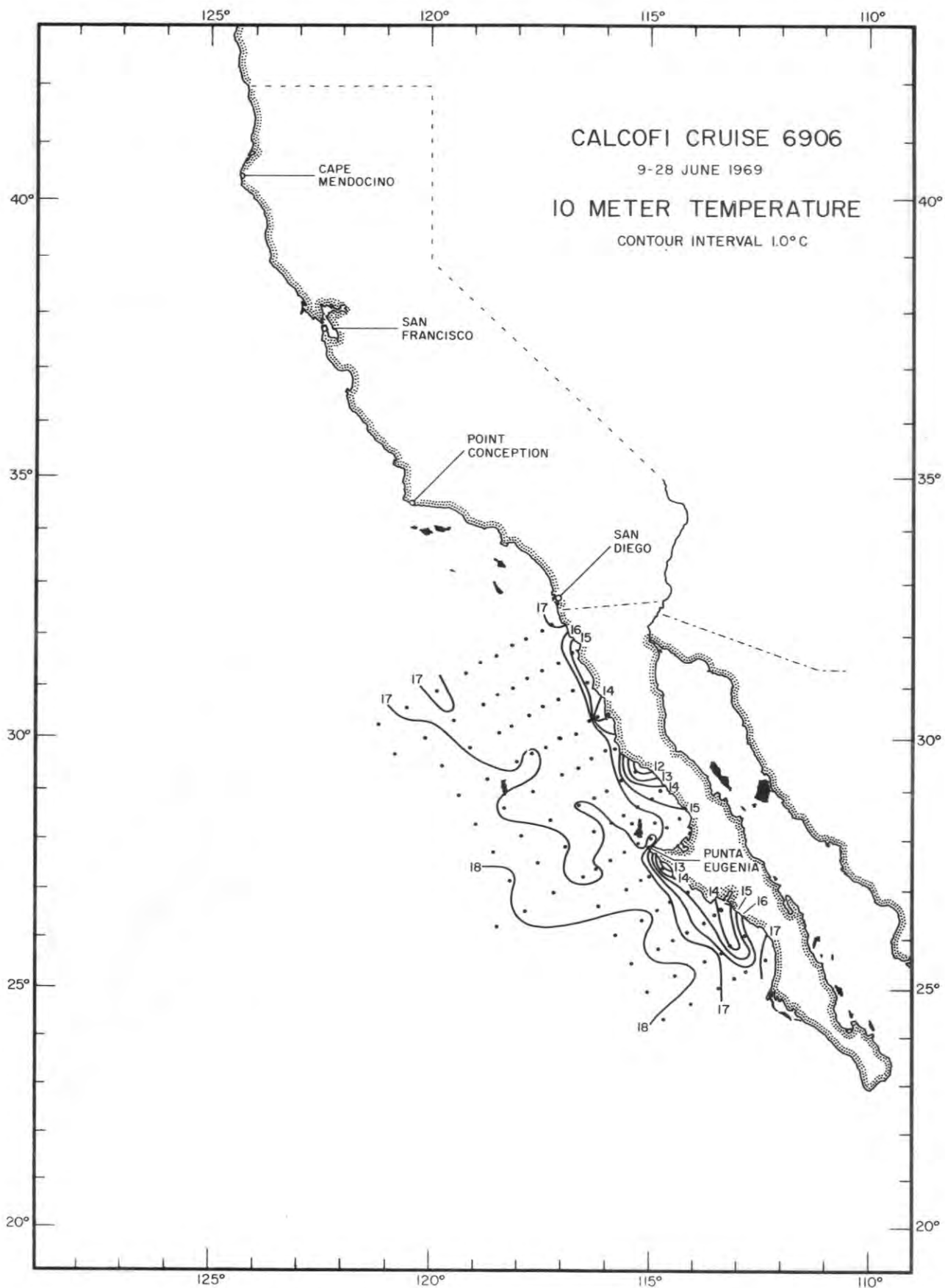


FIGURE 4

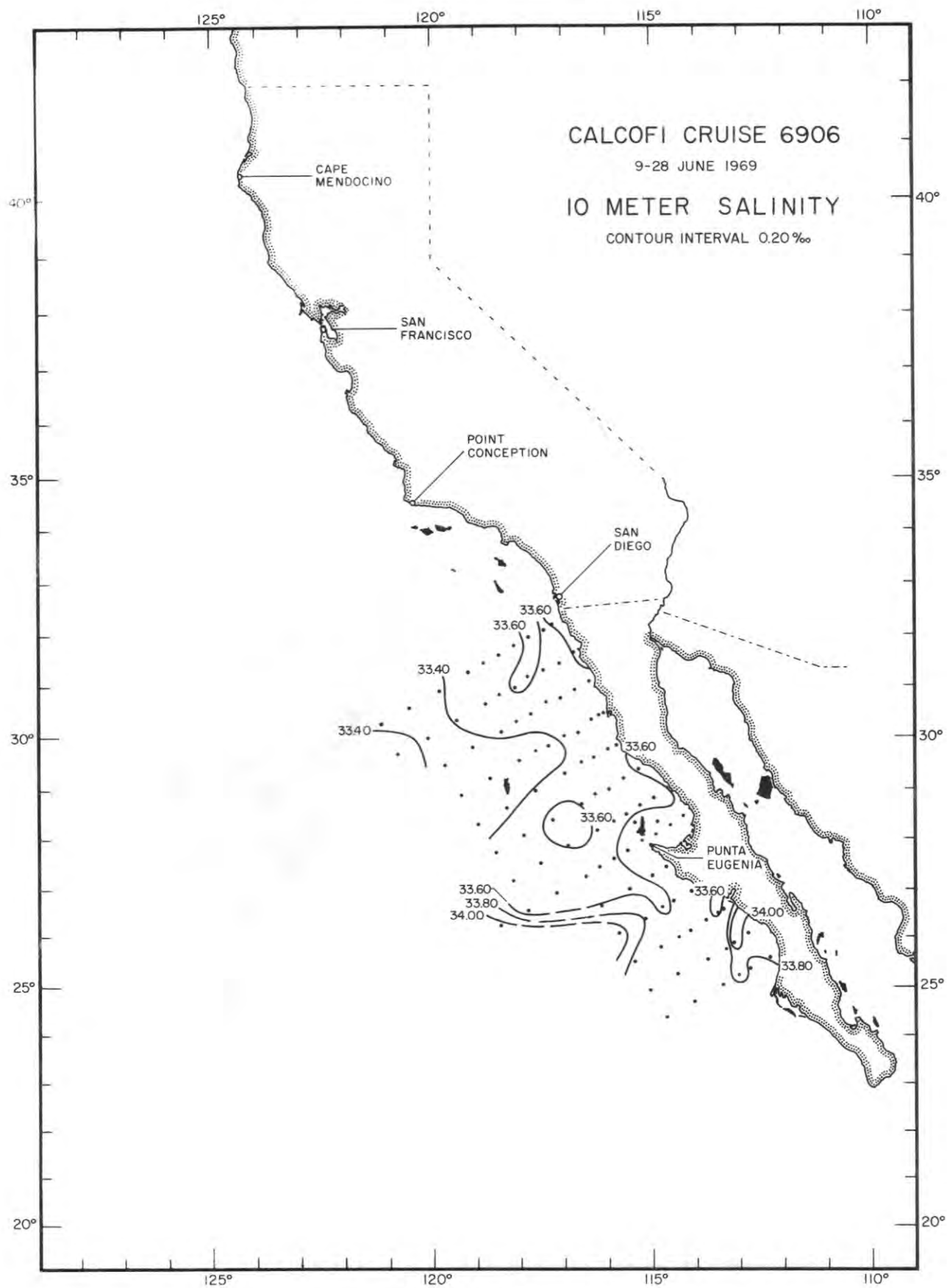


FIGURE 5

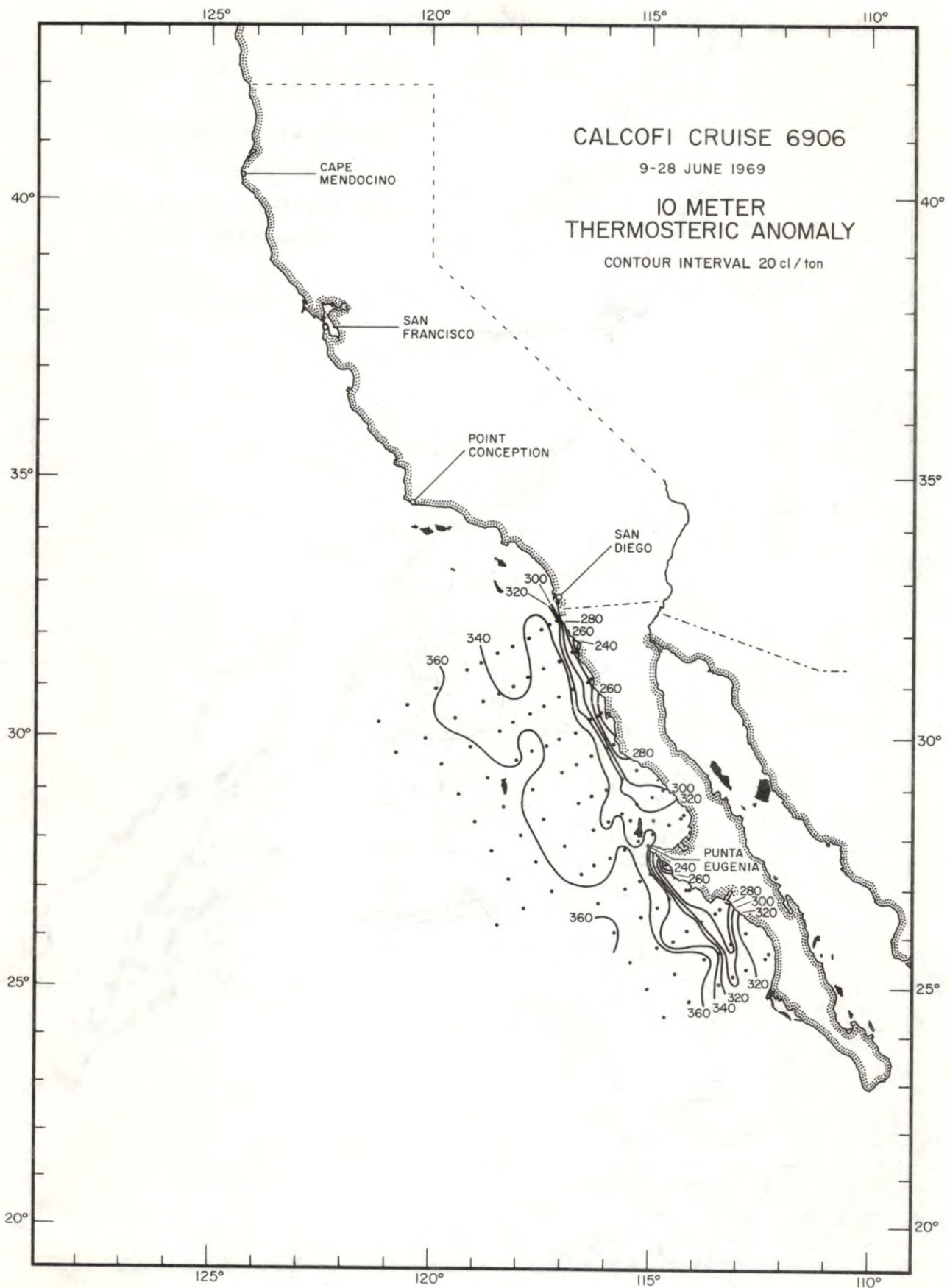


FIGURE 6

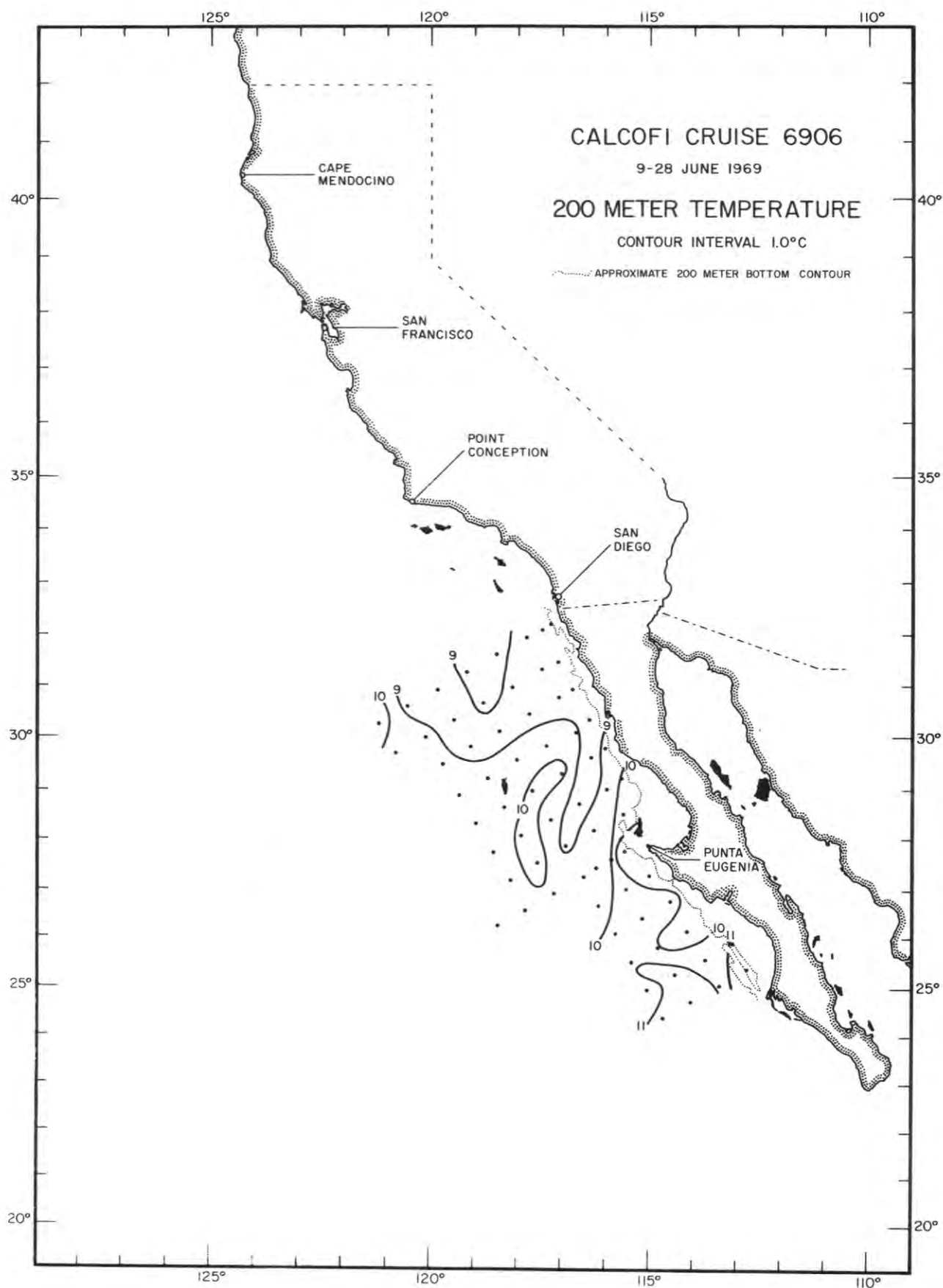


FIGURE 7

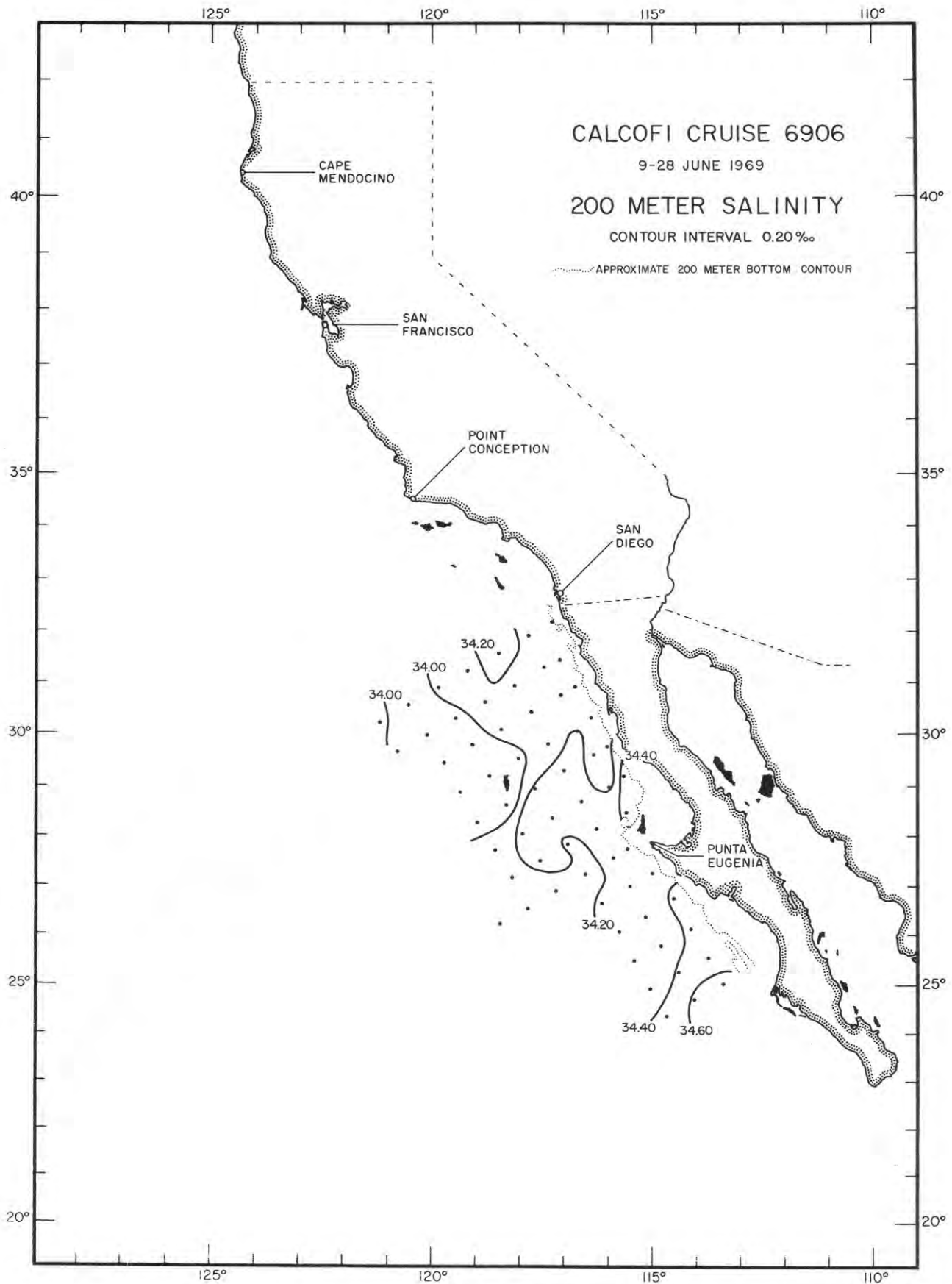


FIGURE 8

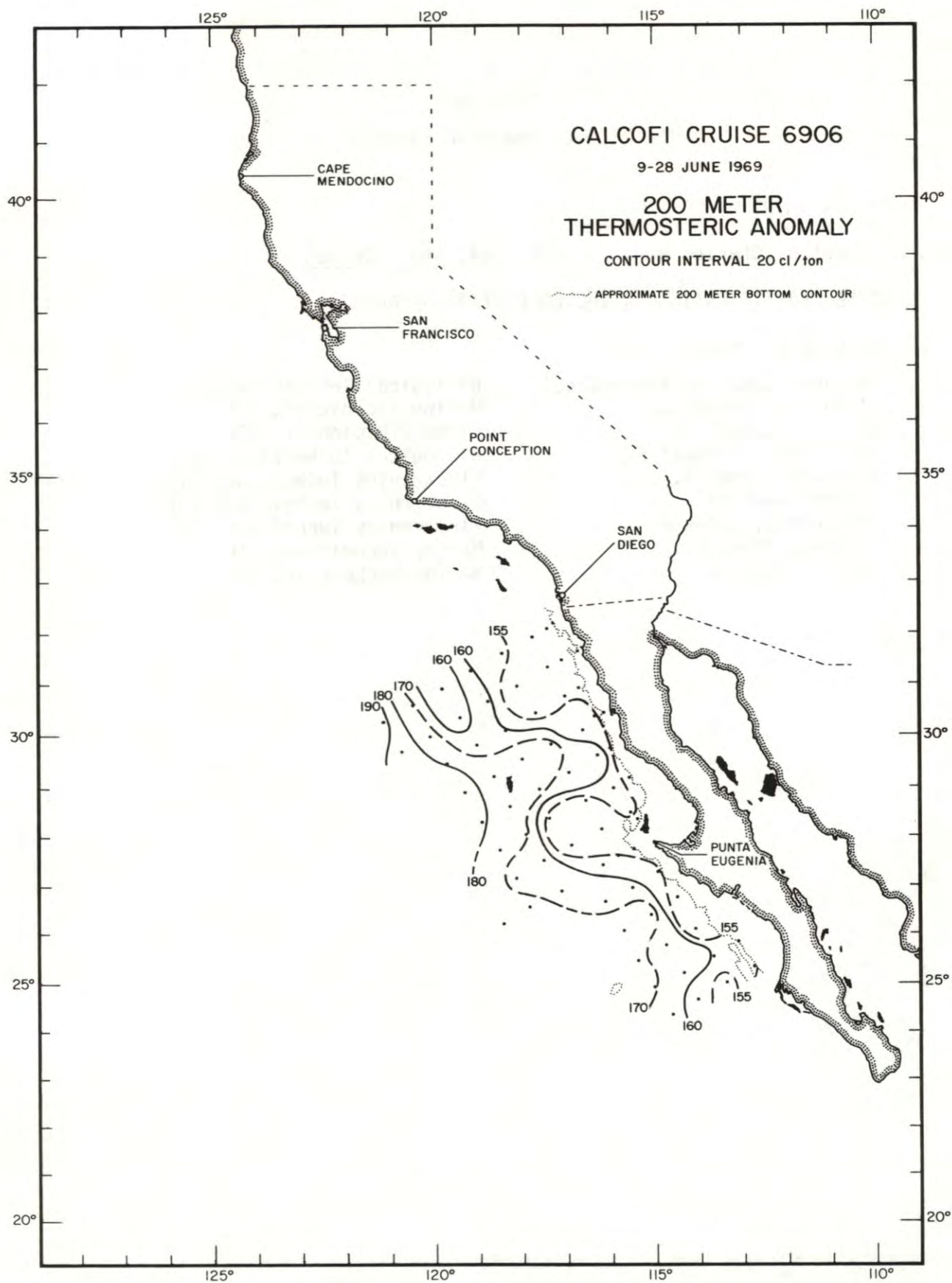


FIGURE 9

PERSONNEL

Cruise 6906 (South)

SHIP'S CAPTAIN

Forster, Charles W. RV David Starr Jordan

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV David Starr Jordan

Metoyer, Jack D. (in charge)	Biological Technician, BCF*
Anderson, George C.	Marine Technician, SIO
Kruse, Michael G.	Fishery Biologist, BCF*
McMasters, Michael F.	Biological Technician, BCF*
Schmitt, James A.	Electronics Technician, SIO
Shuey, Raymond	Electronics Technician, BCF*
Singleton, James R.	Electronics Technician, SIO
Thomas, James E.	Marine Technician, SIO
Wells, James A.	Marine Technician, SIO

*Bureau of Commercial Fisheries
now National Marine Fisheries Service
Southwest Fisheries Center

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97032

Z	LATITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	NC2	NC3	DT	Z		T	S	O2		SIGT	DT	DD
0			5.74	.29	5.	.00	.1		0	17.73	33.63		24.311	362.3	0		
10			5.77	.29	4.	.00	.1		10	17.05	33.63		24.473	346.9	.035		
30			5.89	.40	7.	.05	1.8		20	14.70	33.60		24.979	298.7	.068		
50			5.10	.88	16.	.06	9.0		30	13.38	33.57		25.231	274.7	-.097		
80			3.70	1.55	32.	.00	19.0		50	11.34	33.59		25.638	235.9	-.148		
110			3.36	1.71	44.	.00	24.0		75	10.47	33.66		25.847	216.1	.205		
150			2.71	2.06	58.	.00	27.6		100	9.81	33.84		26.100	192.1	.256		
200			2.53	2.16	73.	.00	30.5		125	9.41	33.95		26.252	177.7	.303		
250			2.14						150	9.10	34.00		26.341	169.2	.347		
300			1.30						200	8.71	34.14		26.512	153.0	.429		
400			.99						250	7.86	34.12		26.625	142.2	.505		
500			.68						300	7.96	34.27		26.728	132.5	.576		
									400	7.15	34.29		26.861	119.9	.708		
									500	6.31	34.31		26.990	107.6	.828		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97035

Z	LATITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	NC2	NC3	DT	Z		T	S	O2		SIGT	DT	DD
0			5.81	.29	3.	.00	.3		0	16.54	33.53		24.516	342.8	0		
10			6.19	.29	3.	.00	.3		10	16.54	33.53		24.516	342.8	.034		
30			4.89	.61	4.	.00	.4		20	14.98	33.44		24.796	316.1	.067		
50			3.82	.96	18.	.13	10.1		30	13.87	33.41		25.008	295.9	.098		
80			3.69	1.28	31.	.00	17.0		50	11.50	33.44		25.493	249.8	.153		
110			3.31	1.58	37.	.00	21.1		75	10.76	33.64		25.781	222.4	.212		
150			2.32	1.76	53.	.00	26.4		100	10.02	33.70		25.956	205.8	.266		
200			1.83	2.24	74.	.00	31.0		125	9.52	33.84		26.148	187.5	.316		
250			1.32						150	8.86	33.92		26.316	171.5	.361		
300			.77						200	8.53	34.13		26.532	151.1	.444		
400			.52						250	8.09	34.15		26.615	143.2	.519		
500			.60						300	7.83	34.22		26.708	134.4	.591		
									400	6.76	34.25		26.883	117.8	.723		
									500	6.14	34.33		27.028	104.1	.840		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97040

Z	LATITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	NC2	NC3	DT	Z		T	S	O2		SIGT	DT	DD
0			5.97	.32	6.	.00	.3		0	16.21	33.67		24.699	325.4	0		
10			6.02	.43	6.	.00	.3		10	16.21	33.67		24.699	325.4	.033		
30			6.02	.45	12.	.11	4.0		20	16.21	33.66		24.691	326.1	.065		
50			4.69	1.47	24.	.44	13.1		30	13.62	33.54		25.159	281.5	.096		
80			3.47	2.06	42.	.00	22.3		50	11.52	33.56		25.582	241.3	.148		
110			3.17	2.27	55.	.00	26.2		75	10.08	33.74		25.977	203.8	.204		
150			2.53	2.32	71.	.00	30.0		100	9.67	33.98		26.232	179.5	.252		
200			1.81	2.56	86.	.00	32.4		125	9.39	34.06		26.341	169.2	.297		
250			1.52						150	8.71	34.07		26.457	158.2	.338		
300			1.15						200	8.34	34.14		26.569	147.6	.416		
400			.67						250	7.89	34.19		26.676	137.4	.489		
500			.58						300	7.34	34.22		26.779	127.7	.558		
									400	6.51	34.27		26.932	113.1	.684		
									500	6.05	34.33		27.039	103.0	.798		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97050

Z	LATITUDE			MO/DAY/YR			MESSENGER TIME			BOTTOM	WIND			WEATHER	DOMINANT WAVES		
	T	S	O2	P04	S103	NC2	NC3	DT	Z		T	S	O2		SIGT	DT	DD
0			16.23						0	16.23	33.44		24.518	342.6	0		
10			16.23						10	16.23	33.44		24.518	342.6	.034		
30			15.98						20	15.98	33.38		24.529	341.6	.069		
50			15.00						30	15.00	33.38		24.745	320.9	.102		
80			14.32						50	14.32	33.39		24.898	306.3	.165		
110			11.50						75	11.50	33.66		25.663	233.6	.233		
150			10.96						100	10.96	33.86		25.916	209.5	.288		
200			10.30						125	10.30	34.05		26.180	184.5	.338		
250			9.99						150	9.99	34.21		26.358	167.6	.383		
300			9.95						200	9.95	34.34		26.466	157.4	.466		
400			9.82						250	9.82	34.38		26.519	152.3	.546		
500			9.51						300	9.51	34.40		26.586	145.9	.623		
			8.16						400	8.16	34.33		26.745	130.9	.768		
			6.64						500	6.64	34.30		26.938	112.5	.897		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 16.0N		119 10.0W		06/10/69	1824 GMT			3738M	280	08KT	1	290 04 07			
Z	T	S	02	PO4	SI03	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0A	16.28A	33.43A											24.499	344.4	0
10	16.23	33.43											24.510	343.3	.034
20	15.70	33.43											24.630	331.9	.068
30	14.72	33.41											24.829	313.0	.101
50	12.87	33.36											25.171	280.4	.160
75	11.48	33.38											25.450	253.9	.227
100	10.40	33.60											25.813	219.4	.287
125	10.16	33.80											26.010	200.7	.340
150	10.24	34.06											26.198	182.8	.389
200	9.36	34.17											26.431	160.6	.476
250	8.83	34.25											26.579	146.6	.555
300	7.89	34.21											26.691	135.9	.628
400	6.95	34.28											26.880	118.0	.761
500	6.34	34.32											26.994	107.3	.880

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 55.0N		119 50.0W		06/11/69	0015 GMT			3546M	300	10KT	1	310 03 05			
Z	T	S	02	PO4	SI03	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0A	17.26A	33.39A											24.240	369.1	0
10	17.05	33.39											24.290	364.3	.037
20	15.55	33.37											24.617	333.1	.072
30	14.00	33.34											24.927	303.6	.104
50	12.13	33.39											25.337	264.6	.161
75	11.21	33.47											25.569	242.6	.224
100	10.03	33.60											25.876	213.4	.282
125	9.79	33.81											26.080	194.0	.333
150	9.15	33.92											26.270	175.9	.380
200	8.26	34.03											26.495	154.6	.464
250	7.61	34.10											26.646	140.2	.540
300	7.32	34.19											26.758	129.6	.610
400	6.67	34.27											26.911	115.2	.737
500	5.71	34.28											27.042	102.7	.852
600	5.39	34.37											27.152	92.2	.957

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 35.0N		120 31.0W		06/11/69	0530 GMT			3926M	310	03KT	1	310 03 05			
Z	T	S	02	PO4	SI03	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	16.80	33.32											24.295	363.9	0
10	16.74	33.30											24.293	364.0	.036
20	16.04	33.22											24.393	354.5	.072
30	14.52	33.22											24.725	322.8	.106
50	13.35	33.28											25.013	295.4	.168
75	12.90	33.31											25.126	284.7	.241
100	11.69	33.43											25.450	253.8	.309
125	10.61	33.54											25.730	227.3	.370
150	10.04	33.72											25.968	204.6	.425
200	8.91	33.95											26.332	170.0	.520
250	8.12	34.04											26.524	151.8	.602
300	7.82	34.12											26.631	141.7	.678
400	6.36	34.14											26.849	121.0	.815
500	5.92	34.26											27.000	106.6	.935

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

97090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 15.5N		121 10.5W		06/11/69	0937 GMT			4404M	310	02KT	2	00			
Z	T	S	02	PO4	SI03	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	17.45	33.36											24.172	375.6	0
10	17.45	33.36											24.172	375.6	.038
20	16.33	33.34											24.418	352.1	.074
30	16.22	33.35											24.451	348.9	.109
50	15.33	33.33											24.635	331.4	.177
75	13.75	33.30											24.948	301.7	.257
100	11.88	33.42											25.407	258.0	.327
125	11.16	33.83											25.857	215.2	.387
150	11.01	33.92											25.954	205.9	.441
200	10.79	34.04											26.086	193.4	.542
250	10.64	34.16											26.206	182.0	.639
300	10.07	34.27											26.391	164.5	.728
400	8.08	34.24											26.687	136.4	.885
500	6.84	34.28											26.895	116.6	1.019

A) NO DATA WAS RECORDED BY THE DIGITAL DATA LOGGER. THE VALUES AT STANDARD DEPTHS HAVE BEEN DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

100030

LATITUDE		LNGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 40.5N		116 46.5W		06/13/69		0545 GMT			371M	310	10KT		300 05 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.02	.51	16.	.00	.6		0	15.46	33.60		24.814	314.4	0
10			5.97	.56	16.	.00	1.3		10	14.24	33.60		25.077	289.4	.030
30			3.69	1.58	36.	.02	18.7		20	11.02	33.57		25.681	231.9	.056
50			2.76	1.92	52.	.00	24.7		30	10.46	33.72		25.896	211.5	.079
80			2.58	2.08	58.	.00	26.2		50	9.88	33.94		26.166	185.8	.118
110			2.38	2.16	63.	.00	26.2		75	9.66	34.03		26.273	175.7	.164
150			2.01	2.35	74.	.00	27.5		100	9.46	34.07		26.337	169.6	.208
200			1.72	2.46	85.	.00	30.5		125	9.47	34.15		26.398	163.8	.250
250			1.03						150	9.35	34.20		26.456	158.2	.291
300			.86						200	8.87	34.23		26.557	148.7	.369
350			.92						250	8.86	34.32		26.629	141.9	.444
									300	8.48	34.34		26.704	134.7	.516

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100035

LATITUDE		LNGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 27.0N		117 05.0W		06/13/69		0222 GMT			1129M	310	15KT	1	300 05 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.85	.21	5.	.00	.1		0	16.87	33.58		24.477	346.5	0
10			5.85	.35	5.	.00	.0		10	16.85	33.57		24.474	346.7	.035
30			6.20	.35	5.	.00	.0		20	15.97	33.51		24.630	331.9	.069
50			5.52	.64	14.	.00	7.0		30	13.08	33.49		25.229	274.8	.099
80			3.68	1.42	37.	.00	18.5		50	11.25	33.54		25.616	238.1	.151
110			2.92	1.76	50.	.00	21.6		75	10.28	33.72		25.927	208.5	.207
150			2.41	1.92	62.	.00	23.8		100	9.90	33.88		26.116	190.6	.257
200			2.52	2.08	75.	.00	25.4		125	9.81	34.05		26.263	176.6	.304
250			1.46						150	9.70	34.09		26.313	171.9	.348
300			1.16						200	8.92	34.15		26.487	155.4	.431
400			.67						250	8.97	34.31		26.604	144.3	.508
500			.51						300	8.22	34.28		26.697	135.4	.581
									400	7.64	34.34		26.830	122.8	.716
									500	6.37	34.32		26.990	107.6	.838

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100040

LATITUDE		LNGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 19.0N		117 27.0W		06/12/69		2137 GMT			2037M	300	10KT	1	300 04 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			5.76	.21	3.	.00	.0		0	16.80	33.56		24.478	346.4	0
10			5.76	.32	3.	.00	.0		10	16.76	33.56		24.487	345.5	.035
30			6.03	.32	6.	.00	.0		20	16.07	33.48		24.585	336.2	.069
50			4.77	.83	19.	.34	4.4		30	14.11	33.44		24.981	298.5	.101
80			3.87	1.44	33.	.00	18.0		50	11.54	33.46		25.501	249.0	.155
110			3.17	1.66	47.	.00	21.3		75	10.22	33.64		25.875	213.5	.214
150			2.44	1.87	64.	.00	23.5		100	9.97	33.82		26.057	196.1	.265
200			2.25	2.11	78.	.06	26.6		125	9.71	34.02		26.257	177.2	.313
250			1.86						150	9.38	34.13		26.397	163.9	.356
300			1.60						200	8.57	34.13		26.526	151.6	.436
400			.65						250	7.96	34.16		26.642	140.6	.511
500			.33						300	7.39	34.21		26.764	129.1	.581
									400	6.96	34.36		26.942	112.2	.707
									500	6.27	34.35		27.026	104.2	.822

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100050

LATITUDE		LNGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 58.0N		118 07.0W		06/12/69		1335 GMT			1763M	340	10KT	5	340 03 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0			6.00	.35	4.	.00	.7		0	16.31	33.57		24.599	334.8	0
10			6.00	.32	4.	.00	.6		10	16.09	33.62		24.688	326.4	.033
30			6.12	.51	9.	.00	2.2		20	15.13	33.53		24.832	312.6	.065
80			4.55	1.20	25.	.00	13.1		30	13.80	33.53		25.114	285.8	.095
110			3.60	1.71	40.	.00	18.4		50	12.60	33.56		25.378	260.7	.150
150			3.23	1.79	54.	.00	21.6		75	10.72	33.51		25.687	231.3	.212
200			2.27	2.27	80.	.00	26.3		100	10.21	33.71		25.931	208.1	.267
250			1.73						125	9.37	33.83		26.165	185.9	.317
300			1.26						150	9.08	33.93		26.289	174.1	.363
400			.75						200	8.53	34.14		26.540	150.3	.445
500			.60						250	8.30	34.20		26.622	142.5	.521
									300	7.98	34.27		26.725	132.8	.592
									400	7.05	34.30		26.882	117.8	.723
									500	6.20	34.31		27.004	106.3	.842

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 39.0N		118 47.0W		06/12/69		0745 GMT		2602M		320		10KT		2		340 02 04	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.74	.27	3.	.00	.3		0	16.99	33.48		24.372	356.4	0		
10			5.75	.32	3.	.00	.3		10	16.98	33.49		24.382	355.5	.036		
30			5.81						20	16.74	33.50		24.446	349.4	.071		
50			5.96	.32	3.	.00	.3		30	16.03	33.46		24.579	336.8	.105		
80			4.86	.93	18.	.03	9.8		50	15.40	33.46		24.719	323.4	.172		
110			4.35	1.25	25.	.00	14.6		75	12.24	33.44		25.354	262.9	.245		
150			2.97	1.87	48.	.00	24.0		100	10.81	33.55		25.702	229.9	.307		
200			2.42	2.16	64.	.00	28.0		125	10.07	33.80		26.025	199.2	.362		
250			2.52						150	9.90	33.99		26.202	182.4	.410		
300			1.90						200	9.41	34.15		26.408	162.9	.498		
400			.87						250	8.06	34.07		26.556	148.7	.578		
500			.55						300	7.58	34.14		26.682	136.9	.652		
									400	6.98	34.28		26.876	118.4	.785		
									500	6.03	34.29		27.010	105.7	.903		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 20.5N		119 27.5W		06/12/69		0235 GMT		7738M		350		05KT		2		300 03 04	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.78	.27	3.	.00	.3		0	17.35	33.44		24.257	367.5	0		
10			5.81	.27	3.	.00	.3		10	16.73	33.41		24.380	355.7	.036		
30			6.46	.32	4.	.00	.6		20	14.62	33.36		24.812	314.6	.070		
50			6.04	.53	7.	.00	3.1		30	14.07	33.38		24.943	302.1	.101		
80			5.07	.99	18.	.00	6.2		50	13.20	33.36		25.105	286.7	.160		
110			3.77	1.50	34.	.00	20.4		75	11.82	33.44		25.434	255.4	.228		
150			2.99	1.90	52.	.00	27.0		100	10.32	33.56		25.796	221.0	.288		
200			3.45	1.87	63.	.00	27.9		125	9.69	33.81		26.097	192.4	.340		
250			2.68						150	9.21	33.92		26.261	176.8	.387		
300			2.22						200	8.19	33.99		26.474	156.5	.472		
400			.86						250	7.51	34.04		26.613	143.3	.549		
500			.48						300	6.75	34.04		26.719	133.3	.620		
									400	6.34	34.20		26.899	116.2	.750		
									500	5.91	34.32		27.049	102.0	.865		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29 59.0N		120 06.0W		06/11/69		2055 GMT		3926M		310		06KT		2		310 02 04	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.75	.45	3.	.00	.0		0	17.59	33.35		24.131	379.5	0		
10			5.72	.67	3.	.00	.0		10	17.25	33.37		24.227	370.3	.038		
30			5.93	.45	2.	.00	.0		20	16.25	33.34		24.437	350.3	.074		
50			6.16	.40	3.	.00	.0		30	15.95	33.43		24.574	337.3	.108		
80			6.02	.51	6.	.14	1.1		50	14.15	33.15		24.749	320.5	.174		
110			5.45	1.01	11.	.00	7.3		75	13.47	33.30		25.005	296.2	.252		
150			4.77	1.34	23.	.00	14.2		100	12.25	33.31		25.252	272.7	.323		
200			3.52	2.11	50.	.00	24.4		125	10.85	33.32		25.517	247.5	.389		
250			3.02						150	10.04	33.59		25.867	214.3	.447		
300			2.91						200	9.13	33.95		26.297	173.4	.546		
400			1.22						250	8.24	34.02		26.490	155.0	.630		
500			.75						300	7.38	34.02		26.616	143.1	.707		
									400	6.67	34.15		26.816	124.1	.846		
									500	5.85	34.23		26.985	108.1	.968		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

100090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29 40.5N		120 47.0W		06/11/69		1408 GMT		3926M		350		03KT		2		330 02 04	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.69	.35	3.	.00	.0		0	17.64	33.32		24.096	382.8	0		
10			5.77	.29	2.	.00	.0		10	17.56	33.52		24.268	366.4	.037		
30			5.77	.29	2.	.00	.0		20	17.07	33.64		24.476	346.6	.073		
50			5.82	.27	2.	.00	.0		30	17.06	33.67		24.501	344.2	.108		
80			5.32	.37	3.	.00	.0		50	16.82	33.72		24.596	335.2	.176		
110			4.26	.64	9.	.03	4.0		75	15.80	33.67		24.791	316.5	.258		
150			3.25	1.20	25.	.00	15.0		100	13.69	33.56		25.160	281.4	.333		
200			2.28	1.84	48.	.00	24.0		125	12.00	33.57		25.500	249.1	.400		
250			1.99						150	10.75	33.62		25.767	223.7	.460		
300			1.44						200	9.53	33.92		26.209	181.8	.563		
400			.65						250	9.29	34.17		26.443	159.5	.651		
500			.59						300	8.40	34.15		26.568	147.7	.730		
									400	6.79	34.14		26.792	126.4	.873		
									500	6.25	34.26		26.958	110.6	.998		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 06.0N		116 24.5W		06/13/69	1306	GMT		71M	320	06KT	2	320 01 04			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	14.48	33.57		25.003	296.4	0
									10	14.45	33.56		25.002	296.5	.030
									20	12.92	33.58		25.331	265.2	.058
									30	11.46	33.60		25.624	237.3	.083
									50	10.32	33.65		25.866	214.4	.128

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 56.0N		116 45.0W		06/13/69	1533	GMT		1849M	310	18KT	0	290 05 04			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	16.57	33.54		24.516	342.7	0
									10	16.56	33.55		24.526	341.8	.034
									20	16.56	33.54		24.519	342.5	.069
									30	16.55	33.54		24.521	342.3	.103
									50	13.40	33.48		25.157	281.7	.165
									75	11.44	33.47		25.527	246.5	.232
									100	10.41	33.60		25.811	219.5	.291
									125	9.58	33.84		26.138	188.5	.342
									150	9.27	33.94		26.267	176.3	.388
									200	8.31	34.05		26.503	153.8	.473
									250	8.03	34.16		26.631	141.6	.548
									300	7.42	34.17		26.728	132.5	.619
									400	6.81	34.30		26.915	114.7	.748
									500	6.15	34.33		27.026	104.2	.864

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 46.0N		117 04.5W		06/13/69	1811	GMT		2042M	330	20KT	2	330 05 04			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	16.62	33.56		24.520	342.4	0
									10	16.59	33.56		24.527	341.7	.034
									20	16.58	33.56		24.529	341.5	.068
									30	16.07	33.48		24.585	336.2	.102
									50	13.00	33.44		25.207	277.0	.164
									75	11.14	33.45		25.566	242.8	.229
									100	10.33	33.68		25.887	212.3	.287
									125	9.95	33.87		26.100	192.1	.338
									150	9.27	33.97		26.290	174.0	.384
									200	8.76	34.14		26.504	153.7	.468
									250	7.94	34.17		26.653	139.6	.543
									300	7.54	34.22		26.750	130.4	.613
									400	6.54	34.27		26.928	113.5	.740
									500	6.04	34.33		27.040	102.9	.855

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 27.0N		117 44.0W		06/13/69	2330	GMT		2697M	310	18KT	2	310 05 04			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	CD
									0	16.61	33.50		24.476	346.5	0
									10	16.61	33.49		24.469	347.3	.035
									20	16.51	33.48		24.484	345.8	.069
									30	15.65	33.46		24.664	328.7	.103
									50	14.01	33.41		24.979	298.7	.166
									75	11.96	33.45		25.415	257.2	.236
									100	10.79	33.62		25.760	224.4	.297
									125	9.85	33.78		26.046	197.2	.350
									150	9.48	33.97		26.256	177.3	.397
									200	8.44	34.07		26.499	154.2	.482
									250	8.19	34.20		26.639	140.9	.558
									300	8.04	34.28		26.724	132.9	.629
									400	6.71	34.23		26.874	118.6	.760
									500	6.04	34.29		27.009	105.8	.879

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 06.5N		118 25.0W		06/14/69	0500	GMT		3358M	330	08KT	2	340 06 04			
Z	T	S	02	PO4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.84	33.48		24.408	353.1	0
									10	16.84	33.48		24.408	353.1	.035
									20	16.64	33.45		24.431	350.8	.071
									30	16.23	33.48		24.548	339.7	.105
									50	15.11	33.38		24.722	323.2	.172
									75	12.03	33.40		25.363	262.1	.245
									100	10.57	33.60		25.783	222.2	.306
									125	9.89	33.78		26.040	197.8	.359
									150	9.49	33.90		26.200	182.6	.408
									200	8.85	34.07		26.435	160.3	.495
									250	8.36	34.16		26.582	146.4	.574
									300	7.87	34.20		26.686	136.4	.647
									400	6.66	34.19		26.849	121.0	.781
									500	6.27	34.30		26.987	107.9	.902

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 48.0N		119 04.0W		06/14/69	0915	GMT		3452M	280	05KT	2	340 06 04			
Z	T	S	02	PO4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.94	33.35		24.285	364.8	0
									10	16.94	33.34		24.277	365.5	.037
									20	16.92	33.34		24.282	365.1	.073
									30	15.43	33.26		24.559	338.6	.108
									50	13.70	33.12		24.819	313.9	.174
									75	12.72	33.25		25.115	285.7	.249
									100	12.03	33.37		25.340	264.3	.318
									125	11.24	33.45		25.548	244.5	.383
									150	10.07	33.64		25.900	211.0	.440
									200	8.63	33.97		26.392	164.4	.536
									250	7.89	34.04		26.558	148.6	.616
									300	7.43	34.09		26.664	138.5	.690
									400	6.72	34.21		26.857	120.3	.825
									500	6.06	34.29		27.006	106.1	.944

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

103080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 27.0N		119 43.0W		06/14/69	1345	GMT		3642M	320	12KT	2	350 04 09			
Z	T	S	02	PO4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0A	17.34A	33.34A		24.183	374.5	0
									10	17.34	33.34		24.183	374.5	.037
									20	16.40	33.30		24.372	356.5	.074
									30	16.28	33.28		24.384	355.3	.110
									50	14.87	33.16		24.605	334.3	.179
									75	14.27	33.15		24.724	322.9	.261
									100	13.08	33.27		25.060	291.0	.339
									125	11.80	33.41		25.414	257.3	.408
									150	11.13	33.61		25.692	230.9	.470
									200	9.32	33.90		26.227	180.0	.574
									250	8.48	34.03		26.462	157.8	.661
									300	8.56	34.24		26.613	143.3	.739
									400	7.32	34.27		26.821	123.7	.878
									500	6.29	34.31		26.992	107.4	1.000

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107032

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 26.0N		116 11.0W		06/15/69	1802	GMT		464M	270	01KT	4	270 01 05			
Z	T	S	02	PO4	SIG3	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	13.78	33.57		25.149	282.5	0
									10	13.55	33.57		25.196	278.0	.028
									20	13.02	33.53		25.272	270.8	.056
									30	11.80	33.46		25.453	253.6	.082
									50	10.66	33.57		25.744	225.9	.130
									75	9.72	33.81		26.092	192.9	.183
									100	9.56	33.99		26.258	177.1	.229
									125	9.90	34.29		26.435	160.3	.272
									150	10.00	34.37		26.481	156.0	.312
									200	9.52	34.43		26.608	143.9	.389
									250	9.18	34.44		26.671	137.8	.462
									300	8.72	34.43		26.737	131.6	.532
									400	7.87	34.40		26.843	121.5	.665

A) THE DATA FOR THIS LOWERING WAS NOT RECORDED BY THE DIGITAL DATA LOGGER. THE VALUES HAVE BEEN DIGITIZED FROM THE ANALOG RECORDING ADJUSTED BY COMPARISON WITH OTHER LOWERINGS.

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 21.5N		116 22.5W		06/15/69	1613 GMT				1812M	300	12KT	4	290 03 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.39	33.55		24.565	338.0	0
									10	16.33	33.54		24.572	337.5	.034
									20	16.26	33.54		24.588	335.9	.068
									30	15.26	33.47		24.758	319.7	.100
									50	12.97	33.39		25.174	280.1	.161
									75	10.92	33.42		25.582	241.3	.226
									100	9.97	33.78		26.026	199.1	.282
									125	9.37	33.90		26.219	180.8	.330
									150	9.23	34.03		26.343	169.0	.374
									200	8.36	34.03		26.480	156.0	.457
									250	7.58	34.08		26.635	141.3	.533
									300	7.78	34.23		26.723	132.9	.604
									400	6.73	34.26		26.895	116.7	.734
									500	6.19	34.32		27.013	105.4	.852

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
30 05.5N		116 40.5W		06/15/69	1314 GMT				2933M	300	12KT	2	300 04 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.66	33.54		24.495	344.7	0
									10	16.66	33.54		24.495	344.7	.034
									20	16.66	33.54		24.495	344.7	.069
									30	16.66	33.54		24.495	344.7	.104
									50	14.18	33.34		24.889	307.2	.169
									75	12.04	33.36		25.330	265.2	.241
									100	10.69	33.52		25.700	230.1	.303
									125	10.02	33.74		25.987	202.8	.358
									150	9.65	33.88		26.158	186.6	.407
									200	9.15	34.20		26.489	155.2	.495
									250	8.54	34.25		26.624	142.3	.571
									300	7.86	34.25		26.727	132.6	.642
									400	6.52	34.26		26.923	114.0	.771
									500	5.92	34.33		27.056	101.4	.885

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 49.0N		117 21.0W		06/15/69	0754 GMT				2697M	290	10KT	2	280 06 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.75	33.32		24.306	362.7	0
									10	16.73	33.32		24.311	362.3	.036
									20	16.15	33.29		24.421	351.8	.072
									30	15.25	33.21		24.561	338.5	.107
									50	14.48	33.17		24.695	325.7	.173
									75	13.42	33.38		25.076	289.4	.251
									100	11.78	33.44		25.441	254.7	.319
									125	10.68	33.51		25.694	230.6	.380
									150	9.98	33.74		25.993	202.2	.435
									200	9.61	34.07		26.312	171.9	.530
									250	9.84	34.41		26.539	150.4	.613
									300	9.39	34.45		26.645	140.4	.689
									400	7.94	34.34		26.786	127.0	.829
									500	6.80	34.37		26.972	109.4	.955

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 32.0N		118 01.5W		06/15/69	0259 GMT				3738M	310	12KT	2	310 04 06		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.79	33.38		24.343	359.3	0
									10	16.77	33.38		24.347	358.8	.036
									20	16.43	33.30		24.365	357.2	.072
									30	15.29	33.19		24.536	340.8	.107
									50	14.85	33.23		24.663	328.8	.174
									75	13.74	33.12		24.811	314.7	.255
									100	12.33	33.20		25.152	282.2	.330
									125	10.79	33.40		25.589	240.6	.396
									150	10.12	33.66		25.908	210.4	.453
									200	9.20	33.99		26.317	171.5	.550
									250	8.42	34.09		26.518	152.4	.633
									300	8.52	34.30		26.667	138.3	.708
									400	7.24	34.31		26.864	119.6	.843
									500	6.16	34.30		27.001	106.6	.963

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107070

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 11.0N			118 41.0W			06/14/69		2233 GMT		2981M	310	12KT	2	310 04 06		
Z	T	S	O2	P04	S103	NC2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.24	33.28		24.161	376.6	0	
10									10	17.24	33.28		24.161	376.6	.038	
20									20	16.83	33.23		24.219	371.1	.075	
30									30	15.88	33.23		24.436	350.4	.111	
50									50	14.63	33.12		24.625	332.4	.180	
75									75	14.03	33.18		24.797	316.0	.261	
100									100	12.47	33.13		25.071	289.9	.337	
125									125	11.12	33.33		25.476	251.3	.406	
150									150	10.59	33.59		25.772	223.2	.466	
200									200	9.17	33.88		26.236	179.2	.568	
250									250	8.39	34.05		26.491	155.0	.654	
300									300	7.69	34.08		26.619	142.8	.731	
400									400	6.65	34.17		26.835	122.4	.869	
500									500	6.14	34.29		26.996	107.1	.990	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

107080

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 51.5N			119 20.0W			06/14/69		1817 GMT		3738M	320	12KT	2	310 05 05		
Z	T	S	O2	P04	S103	NC2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	17.39	33.34		24.171	375.6	0	
10									10	17.39	33.34		24.171	375.6	.038	
20									20	17.26	33.53		24.347	358.9	.074	
30									30	16.96	33.61		24.479	346.3	.110	
50									50	16.82	33.68		24.565	338.1	.178	
75									75	16.00	33.64		24.723	323.0	.261	
100									100	14.98	33.59		24.911	305.1	.341	
125									125	12.31	33.53		25.411	257.6	.412	
150									150	10.83	33.71		25.823	218.4	.472	
200									200	9.79	33.97		26.204	182.2	.574	
250									250	9.01	34.16		26.480	156.0	.661	
300									300	8.50	34.20		26.591	145.4	.739	
400									400	7.59	34.30		26.806	125.1	.880	
500									500	6.58	34.34		26.978	108.8	1.004	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

110035

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 46.0N			116 00.0W			06/16/69		0045 GMT		1206M	330	11KT	2	270 01 05		
Z	T	S	O2	P04	S103	NC2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0			5.76	.27	2.	.00	.0		0	16.54	33.53		24.516	342.8	0	
10			5.82	.32	2.	.00	.2		10	16.52	33.53		24.520	342.4	.034	
30			5.98	.32	2.	.00	.0		20	16.30	33.52		24.563	338.3	.068	
50			5.55	.69	10.	.18	5.9		30	15.54	33.49		24.711	324.1	.102	
80			4.32	1.25	23.	.01	15.7		50	12.78	33.42		25.235	274.3	.162	
110			3.58	1.74	40.	.00	25.9		75	11.20	33.52		25.609	238.7	.226	
150			3.22	2.00	54.	.00	29.7		100	9.87	33.71		25.989	202.7	.282	
250			1.58						125	9.42	33.85		26.172	185.2	.331	
300			1.07						150	9.11	33.96		26.308	172.3	.376	
400			.60						200	9.27	34.20		26.469	157.0	.460	
500			.51						250	8.76	34.32		26.645	140.4	.537	
									300	8.27	34.29		26.697	135.4	.608	
									400	7.59	34.34		26.837	122.1	.743	
									500	6.62	34.35		26.980	108.5	.865	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

110040

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
29 36.5N			116 19.5W			06/16/69		0410 GMT		2509M	330	11KT	2	270 01 05		
Z	T	S	O2	P04	S103	NC2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0			5.75	.27	2.	.00	.0		0	16.54	33.49		24.485	345.7	0	
10			5.84	.27	2.	.00	.0		10	16.54	33.49		24.485	345.7	.035	
30			5.78	.35	2.	.00	.0		20	16.53	33.49		24.487	345.5	.069	
50			6.07	.35	3.	.00	.0		30	16.44	33.46		24.485	345.7	.104	
80			5.82	.53	8.	.15	2.9		50	14.75	33.33		24.761	319.4	.171	
110			4.78	.99	19.	.00	12.0		75	12.56	33.34		25.216	276.2	.245	
150			3.56	1.71	45.	.00	27.1		100	11.16	33.44		25.555	243.9	.311	
200			3.04	2.00	62.	.00	30.5		125	10.15	33.62		25.871	213.8	.369	
250			2.22						150	9.43	33.83		26.155	186.9	.420	
300			1.60						200	8.83	34.03		26.407	162.9	.509	
400			.99						250	8.46	34.14		26.551	149.3	.589	
500			.41						300	7.83	34.20		26.692	135.9	.662	
									400	6.82	34.23		26.859	120.1	.796	
									500	6.65	34.34		26.968	109.7	.917	

RV DAVID STARR JORDAN										CALCCFI CRUISE 6906					110050		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
29 17.0N		116 59.5W		06/16/69		1012 GMT		3263M		300		12KT		2		290 03 05	
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0A			5.87	.59	3.	.00	.0		0A	16.57A	33.42A		24.424	351.5	0		
10			5.76	.35	3.	.00	.0		10	16.57	33.42		24.424	351.5	.035		
30			5.78	.32	3.	.00	.0		20	16.57	33.42		24.424	351.5	.070		
55			6.10	.32	4.	.00	.0		30	14.80	33.31		24.735	321.9	.104		
80			5.59	.53	7.	.00	2.9		50	14.25	33.32		24.859	310.1	.168		
110			4.63	.69	20.	.00	13.1		75	12.98	33.46		25.226	275.2	.241		
150			3.66	1.55	38.	.00	23.4		100	11.35	33.51		25.574	242.0	.306		
200			2.11	2.32	63.	.00	32.2		125	10.75	33.77		25.884	212.6	.364		
250			1.09						150	10.01	33.87		26.090	193.1	.415		
300			.73						200	10.12	34.25		26.367	166.8	.507		
400			.58						250	9.95	34.45		26.551	149.2	.588		
500			.46						300	9.53	34.47		26.637	141.1	.664		
									400	8.35	34.43		26.794	126.2	.804		
									500	6.90	34.38		26.966	109.9	.930		

RV DAVID STARR JORDAN										CALCOFI CRUISE 6906					110060		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
28 56.5N		117 39.0W		06/16/69		1448 GMT		3642M		320		11KT		2		320 04 05	
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.74	.35	3.	.00	1.1		0	16.93	33.44		24.356	358.0	0		
10			5.79	.29	2.	.00	1.8		10	16.93	33.44		24.356	358.0	.036		
30			5.72	.27	3.	.00	1.5		20	16.93	33.44		24.356	358.0	.072		
50			5.94	.32	3.	.00	.8		30	16.93	33.45		24.364	357.3	.108		
80			6.14	.37	3.	.00	.5		50	15.91	33.46		24.606	334.2	.177		
150			4.24	1.28	29.	.03	16.4		75	14.91	33.42		24.796	316.1	.259		
200			1.98	2.24	62.	.00	25.9		100	13.69	33.43		25.060	291.0	.335		
250			1.49						125	11.36	33.51		25.573	242.2	.402		
300			1.25						150	10.25	33.65		25.878	213.2	.460		
400			.62						200	10.44	34.25		26.311	172.0	.558		
500			.54						250	9.93	34.34		26.469	157.0	.643		
									300	9.22	34.32		26.571	147.3	.722		
									400	8.46	34.43		26.777	127.8	.866		
									500	7.35	34.41		26.926	113.6	.995		

RV DAVID STARR JORDAN										CALCCFI CRUISE 6906					110070		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
28 36.5N		118 18.0W		06/16/69		2000 GMT		3738M		290		09KT		2		290 03 05	
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.73	.35	3.	.00	.0		0	17.03	33.27		24.203	372.6	0		
10			5.72	.32	3.	.00	.0		10	16.95	33.27		24.221	370.8	.037		
30			5.92	.32	3.	.00	.0		20	16.51	33.22		24.285	364.7	.074		
50			6.08	.35	3.	.00	.0		30	15.89	33.23		24.434	350.6	.110		
80			6.34	.29	3.	.00	.0		50	14.63	33.17		24.664	328.7	.178		
110			5.71	.56	8.	.00	1.9		75	14.09	33.18		24.785	317.1	.259		
150			4.94	.88	19.	.00	8.7		100	12.60	33.10		25.022	294.5	.336		
200			3.18	2.14	56.	.00	22.8		125	11.62	33.38		25.424	256.3	.406		
250			2.82						150	10.81	33.62		25.757	224.7	.467		
300			2.06						200	9.39	33.94		26.247	178.1	.569		
400			.88						250	8.64	34.06		26.460	157.9	.655		
500			.38						300	8.13	34.15		26.609	143.8	.733		
									400	7.48	34.24		26.775	128.1	.875		
									500	6.89	34.39		26.975	109.0	1.000		

RV DAVID STARR JORDAN										CALCOFI CRUISE 6906					110080		
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
28 16.5N		118 57.5W		06/17/69		0030 GMT		4022M		310		04KT		2		300 04 05	
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
0			5.70	.40	3.	.00	.0		0	17.54	33.27		24.082	384.2	0		
10			5.71	.37	3.	.00	.0		10	17.25	33.26		24.143	378.3	.038		
30			5.80	.24	3.	.00	.0		20	17.19	33.59		24.409	352.9	.075		
50			5.78	.32	3.	.00	.0		30	17.07	33.65		24.484	345.8	.110		
80			6.07	.32	3.	.00	.0		50	16.78	33.68		24.575	337.2	.178		
110			5.31	.56	8.	.00	2.0		75	15.81	33.64		24.766	318.9	.261		
150			4.43	1.09	23.	.00	11.5		100	14.55	33.56		24.980	298.5	.339		
200			3.72	1.74	43.	.00	19.8		125	12.58	33.51		25.343	264.0	.410		
250			2.77						150	10.97	33.61		25.721	228.1	.472		
300			1.86						200	9.64	33.93		26.198	182.7	.576		
400			.87						250	8.97	34.11		26.447	159.1	.664		
500			.71						300	8.40	34.22		26.622	142.5	.742		
									400	7.55	34.29		26.804	125.3	.882		
									500	7.07	34.39		26.950	111.4	1.008		

A) THE DATA FOR THIS LOWERING WAS NOT RECORDED BY THE DIGITAL DATA LOGGER. THE VALUES HAVE BEEN DIGITIZED FROM THE ANALOG RECORDING ADJUSTED BY COMPARISON WITH OTHER LOWERINGS.

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 113030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 21.0N	115 18.0W	06/18/69	0535 GMT	63M	310	12KT		290	02	09					
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	12.90A	33.68A		25.412	257.5	0
									10	11.50A	33.76A		25.741	226.2	.024
									20	11.24	33.88		25.881	212.8	.046
									30	11.13	33.91		25.925	208.7	.067
									50	11.05	33.94		25.962	205.2	.109

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 113035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 11.5N	115 38.0W	06/18/69	0245 GMT	1336M	310	10KT	2	290	02	09					
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.64	33.51		24.705	324.8	0
									10	15.12	33.42		24.750	320.5	.032
									20	13.56	33.52		25.156	281.8	.062
									30	12.10	33.39		25.342	264.1	.090
									50	10.50	33.53		25.741	226.2	.139
									75	10.07	33.90		26.103	191.8	.192
									100	10.17	34.10		26.241	178.7	.238
									125	10.21	34.21		26.320	171.2	.283
									150	10.07	34.29		26.406	163.0	.325
									200	10.28	34.51		26.541	150.2	.405
									250	9.75	34.50		26.624	142.3	.481
									300	9.22	34.49		26.704	134.8	.553
									400	8.12	34.44		26.837	122.1	.688
									500	6.63	34.36		26.987	107.9	.810

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 113040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 58.0N	115 58.5W	06/17/69	2347 GMT	1670M	310	08KT	2	290	02	09					
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.41	33.55		24.326	360.8	0
									10	16.81	33.50		24.430	351.0	.036
									20	16.74	33.53		24.469	347.2	.071
									30	16.10	33.39		24.509	343.4	.105
									50	14.19	33.25		24.818	314.0	.171
									75	12.13	33.33		25.290	269.1	.244
									100	10.65	33.57		25.746	225.7	.307
									125	9.98	33.83		26.064	195.5	.360
									150	9.80	34.11		26.312	172.0	.407
									200	9.18	34.16		26.453	158.6	.491
									250	8.96	34.31		26.605	144.1	.569
									300	9.02	34.44		26.697	135.4	.641
									400	7.81	34.37		26.829	122.9	.777
									500	6.65	34.34		26.968	109.7	.900

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 113050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 40.0N	116 36.0W	06/17/69	1845 GMT	1546M	300	04KT	2	300	03	05					
Z	T	S	DT	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.46	33.61		24.360	357.6	0
									10	17.01	33.59		24.452	348.9	.035
									20	16.76	33.58		24.503	344.0	.070
									30	14.68	33.38		24.814	314.3	.103
									50	12.58	33.38		25.243	273.6	.162
									75	10.94	33.46		25.610	238.7	.226
									100	10.13	33.77		25.991	202.4	.282
									125	9.64	33.89		26.167	185.7	.331
									150	9.28	34.05		26.351	168.3	.376
									200	8.99	34.20		26.515	152.7	.458
									250	8.47	34.21		26.604	144.2	.534
									300	8.05	34.27		26.715	133.7	.606
									400	7.17	34.33		26.889	117.2	.738
									500	6.34	34.36		27.025	104.3	.855

A) THE VALUES ABOVE 20 METERS WERE DIGITIZED FROM THE ANALOG RECORDING.

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

113060

LATITUDE 28 21.0N			LONGITUDE 117 15.5W			MO/DAY/YR 06/17/69		MESSENGER TIME 1420 GMT			BOTTOM 3738M	WIND 330	SPEED 04KT	WEATHER 2	DOMINANT WAVES 290 01 05		
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	16.96	33.63		24.494	344.8	0		
									10	16.88	33.63		24.513	343.0	.034		
									20	16.73	33.62		24.540	340.4	.069		
									30	16.42	33.57		24.574	337.2	.103		
									50	11.71	33.45		25.462	252.7	.162		
									75	10.56	33.67		25.840	216.8	.221		
									100	9.97	33.81		26.050	196.9	.273		
									125	9.51	33.90		26.196	182.9	.321		
									150	9.59	34.13		26.362	167.2	.365		
									200	9.23	34.23		26.499	154.2	.448		
									250	8.88	34.31		26.618	142.9	.524		
									300	7.92	34.27		26.734	131.9	.595		
									400	7.41	34.39		26.902	115.9	.725		
									500	6.45	34.37		27.019	104.9	.842		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

113070

LATITUDE 28 02.0N			LONGITUDE 117 55.0W			MO/DAY/YR 06/17/69		MESSENGER TIME 0950 GMT			BOTTOM 3452M	WIND 290	SPEED 06KT	WEATHER 2	DOMINANT WAVES 00		
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.60	33.56		24.289	364.4	0		
									10	17.57	33.55		24.288	364.5	.036		
									20	17.42	33.54		24.316	361.8	.073		
									30	16.81	33.53		24.453	348.8	.108		
									50	16.14	33.52		24.600	334.8	.177		
									75	13.27	33.39		25.114	285.8	.255		
									100	11.41	33.60		25.633	236.4	.321		
									125	11.02	33.92		25.952	206.1	.377		
									150	11.09	34.19		26.149	187.4	.427		
									200	10.79	34.35		26.327	170.5	.518		
									250	10.53	34.42		26.428	161.0	.604		
									300	10.38	34.50		26.516	152.6	.685		
									400	8.80	34.41		26.709	134.3	.836		
									500	7.39	34.36		26.882	117.9	.970		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

113080

LATITUDE 27 42.0N			LONGITUDE 118 33.5W			MO/DAY/YR 06/17/69		MESSENGER TIME 0534 GMT			BOTTOM 3738M	WIND 320	SPEED 04KT	WEATHER 2	DOMINANT WAVES 300 04 05		
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.95	33.54		24.189	374.0	0		
									10	17.56	33.55		24.291	364.2	.037		
									20	17.27	33.49		24.314	362.0	.073		
									30	15.99	33.47		24.595	335.2	.108		
									50	15.89	33.48		24.626	332.3	.175		
									75	15.29	33.59		24.843	311.6	.256		
									100	13.61	33.53		25.153	282.1	.331		
									125	11.33	33.44		25.524	246.8	.398		
									150	10.59	33.70		25.858	215.1	.456		
									200	9.58	34.06		26.310	172.2	.555		
									250	8.90	34.14		26.482	155.8	.639		
									300	8.75	34.30		26.631	141.7	.716		
									400	7.86	34.36		26.813	124.4	.855		
									500	6.81	34.36		26.962	110.2	.980		

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

117030

LATITUDE 28 48.0N			LONGITUDE 114 56.5W			MO/DAY/YR 06/18/69		MESSENGER TIME 0950 GMT			BOTTOM 106M	WIND 290	SPEED 08KT	WEATHER 1	DOMINANT WAVES 290 02 09		
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	15.42	33.52		24.761	319.4	0		
									10	14.57	33.38		24.838	312.1	.032		
									20	12.97	33.46		25.228	275.0	.061		
									30	12.53	33.62		25.438	255.0	.088		
									50	11.45	33.72		25.719	228.3	.136		
									75	10.80	34.08		26.116	190.6	.189		

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 117035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 38.0N		115 16.0W		06/19/69	0410	GMT		187M	310	10KT	0	300 02 05			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	15.90	33.52		24.654	329.6	0
									10	15.68	33.51		24.696	325.7	.033
									20	14.13	33.48		25.007	296.0	.064
									30	12.55	33.43		25.287	269.4	.092
									50	11.32	33.78		25.789	221.6	.142
									75	10.91	33.93		25.980	203.5	.195
									100	10.95	34.19		26.174	185.0	.244
									125	10.79	34.29		26.281	174.9	.290
									150	10.72	34.38		26.363	167.1	.333

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 117040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 28.0N		115 35.5W		06/19/69	1004	GMT		948M	310	12KT	2	300 03 04			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.39	33.53		24.550	339.5	0
									10	16.39	33.53		24.550	339.5	.034
									20	15.91	33.49		24.629	332.0	.068
									30	15.69	33.50		24.686	326.6	.101
									50	15.30	33.44		24.726	322.7	.166
									75	12.43	33.49		25.357	262.7	.239
									100	11.08	33.81		25.856	215.3	.300
									125	10.95	34.15		26.143	188.0	.351
									150	10.85	34.29		26.270	175.9	.397
									200	10.49	34.46		26.466	157.3	.482
									250	10.11	34.49		26.555	148.9	.561
									300	9.83	34.52		26.626	142.1	.637
									400	8.71	34.48		26.778	127.8	.779
									500	7.15	34.42		26.963	110.2	.906

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 117050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 08.0N		116 15.0W		06/19/69	1547	GMT		4213M	310	10KT	2	300 05 04			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.60	33.59		24.548	339.7	0
									10	16.60	33.59		24.548	339.7	.034
									20	16.25	33.54		24.590	335.7	.068
									30	15.75	33.56		24.718	323.5	.101
									50	12.82	33.50		25.288	269.2	.160
									75	11.39	33.80		25.792	221.3	.222
									100	10.45	33.95		26.076	194.3	.274
									125	10.04	34.09		26.256	177.3	.322
									150	10.04	34.23		26.365	166.9	.365
									200	9.44	34.30		26.520	152.2	.447
									250	8.85	34.34		26.646	140.2	.522
									300	8.21	34.33		26.737	131.6	.593
									400	7.51	34.40		26.896	116.6	.723
									500	6.62	34.40		27.020	104.8	.840

RV DAVID STARR JORDAN CALCCFI CRUISE 6906 117060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 49.0N		116 54.0W		06/19/69	1903	GMT		3642M	330	08KT	2	330 03 05			
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.29	33.63		24.416	352.3	0
									10	17.17	33.60		24.422	351.7	.035
									20	15.81	33.56		24.705	324.8	.069
									30	13.32	33.59		25.258	272.1	.099
									50	11.24	33.58		25.649	235.0	.150
									75	10.34	33.74		25.932	208.0	.206
									100	10.15	33.94		26.120	190.2	.256
									125	9.57	34.03		26.288	174.2	.302
									150	9.26	34.11		26.401	163.5	.345
									200	8.28	34.13		26.570	147.4	.424
									250	8.69	34.36		26.687	136.4	.497
									300	8.02	34.33		26.766	128.9	.566
									400	7.06	34.34		26.912	115.0	.694
									500	6.25	34.36		27.037	103.2	.809

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

117070

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 29.5N			117 32.5W			06/19/69		2325 GMT		3926M	340	10KT	1	340 03 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.83	33.57		24.241	369.0	0	
									10	17.77	33.58		24.263	366.9	.037	
									20	17.71	33.58		24.277	365.5	.073	
									30	16.56	33.54		24.519	342.5	.109	
									50	16.09	33.52		24.611	333.7	.177	
									75	14.68	33.46		24.876	308.5	.258	
									100	12.29	33.44		25.345	263.9	.330	
									125	10.90	33.75		25.842	216.6	.390	
									150	10.61	33.99		26.079	194.0	.442	
									200	10.24	34.26		26.354	168.0	.535	
									250	9.82	34.40		26.534	150.8	.617	
									300	9.10	34.38		26.637	141.1	.693	
									400	7.80	34.36		26.822	123.5	.831	
									500	6.54	34.33		26.975	109.0	.955	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

117080

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 08.0N			118 10.5W			06/20/69		0337 GMT		4022M	300	PKKT	1	340 01 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.30	33.58		24.133	379.2	0	
									10	18.13	33.58		24.175	375.2	.038	
									20	16.96	33.55		24.433	350.7	.074	
									30	16.39	33.53		24.550	339.5	.109	
									50	16.70	33.72		24.624	332.5	.176	
									75	15.59	33.59		24.777	317.9	.258	
									100	13.25	33.51		25.211	276.6	.333	
									125	12.14	33.54		25.451	253.8	.400	
									150	10.52	33.74		25.901	211.0	.459	
									200	9.85	34.16		26.342	169.1	.555	
									250	9.46	34.31		26.524	151.8	.638	
									300	8.93	34.37		26.657	139.2	.713	
									400	7.87	34.38		26.828	123.0	.851	
									500	6.98	34.40		26.971	109.5	.975	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

118039

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 18.5N			115 23.5W			06/19/69		0653 GMT		242M	330	09KT	1	00		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	16.94	33.65		24.514	342.9	0	
									10	16.34	33.64		24.646	330.4	.034	
									20	15.89	33.61		24.725	322.8	.066	
									30	14.21	33.66		25.129	284.4	.097	
									50	12.25	33.69		25.546	244.7	.150	
									75	10.96	33.90		25.947	206.6	.207	
									100	10.77	34.14		26.168	185.7	.256	
									125	10.69	34.30		26.306	172.5	.302	
									150	10.57	34.37		26.382	165.3	.345	
									200	10.14	34.46		26.527	151.6	.426	

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

118039

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 18.5N			115 23.5W			06/19/69		0734 GMT		242M	330	09KT	1	00		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
1	16.94	33.642	6.12	.19	5.	.00	.0	343.5								
13	16.67	33.649	6.29	.19	6.	.00	.0	337.0								
25	15.27	33.656	6.45	.24	7.	.00	.0	306.3								
37	13.64		4.97	.80	18.	.28	5.3									
48	12.76		4.07	1.20	25.	.35	10.2									
61	11.40		2.55	1.87	40.	.00	19.4									
71	10.97	33.884	2.16	2.03	44.	.00	21.0	207.9								
91	10.85		1.53	2.30	56.	.00	23.0									
121	10.77		1.53	2.30	61.	.00	23.5									
150	10.58		1.08	2.54	68.	.02	25.1									
181	10.31		.79	2.67	78.	.00	25.6									
210	10.13	34.420	.69	2.75	81.	.07	25.8	154.4								
230	10.08	34.442	.65					151.9								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

119033

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 19.0N		114 52.5W		06/19/69		0012 GMT			108M	300	17KT	0	300 02 05		
Z	T	S	O2	PO4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0A	17.20A	33.72A		24.506	343.7	0
									10	16.45	33.69		24.659	329.2	.034
									20	14.70	33.46		24.872	308.9	.066
									30	13.83	33.56		25.131	284.2	.095
									50	11.04	33.86		25.902	210.9	.145
									75	10.64	34.15		26.198	182.7	.195
									100	10.65	34.42		26.407	163.0	.238

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

119033

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
28 19.0N		114 52.5W		06/19/69		0039 GMT			108M	300	17KT	0	300 2 5		
Z	T	S	O2	PO4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.01	33.705	6.09	.27	9.	.00	.1	340.5	0	17.01	33.705	6.09	24.540	340.5	0
12	16.43	33.700	6.05	.29	9.	.00	.0	328.0	10	16.60	33.709	6.06	24.638	331.1	.034
27	14.17	33.562	6.33	.37	5.	.01	.6	290.7	20	15.28	33.604	6.20	24.856	310.4	.066
37	13.14	33.718	5.00	1.01	23.	.18	8.4	259.2	30	13.89	33.602	6.08	25.151	282.3	.095
47	11.17	33.860	1.99	2.00	43.	.00	22.6	213.1	50	11.02	33.920	2.03	25.951	206.2	.144
60	10.54	33.977	2.15	2.06	51.	.00	22.9	193.8	75	10.59	34.133	1.14	26.193	183.2	.193
74	10.59	34.122	1.15	2.46	66.	.00	26.2	184.0	100	10.65	34.406	.79	26.396	164.0	.237
100	10.65	34.406	.79	2.72	76.	.30	26.1	164.0							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 43.0N		115 33.0W		06/23/69		2230 GMT			1856M	310	18KT	2	290 04 07		
Z	T	S	O2	PO4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.76	33.65		24.319	361.6	0
									10	17.76	33.65		24.319	361.6	.036
									20	17.74	33.65		24.324	361.1	.072
									30	16.78	33.59		24.506	343.7	.108
									50	12.59	33.51		25.341	264.2	.169
									75	11.06	33.78		25.836	217.1	.229
									100	10.63	34.05		26.123	189.9	.281
									125	10.16	34.12		26.259	177.0	.327
									150	10.18	34.28		26.380	165.5	.371
									200	9.78	34.35		26.502	153.9	.452
									250	9.23	34.39		26.624	142.3	.529
									300	9.22	34.44		26.665	138.5	.602
									400	7.77	34.40		26.858	120.1	.737
									500	6.80	34.38		26.980	108.6	.859

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120045

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 43.0N		115 33.0W		06/23/69		2325 GMT			1856M	310	18KT	2	290 04 07		
Z	T	S	O2	PO4	SIO3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0		33.640	5.67	.35	4.	.00	.0								
10	17.76	33.639	5.72	.35	4.	.00	.0	362.4							
29	16.38	33.590	6.10	.35	5.	.00	.0	334.9							
39	14.15		5.89	.48	8.	.00	.0								
49			4.54	1.07	17.	.05	8.1								
63	11.14		4.65	1.12	19.	.00	9.1								
74			3.25	1.66	33.	.00	15.9								
97	10.81	34.029	2.49	2.08	45.	.00	20.3	194.5							
120			2.64	2.11	50.	.00	21.0								
140	9.98		2.38	2.27	56.	.00	22.4								
168			1.63	2.64	67.	.00	25.1								
199	9.81		1.17	2.78	74.	.00	25.9								
227			1.19												
268	8.95		.93												
325			.69												
401	7.78	34.402	.39					120.1							
474	7.31	34.431	.33					111.5							
551	6.38	34.371	.55					104.0							

A) NO DATA WAS RECORDED BY THE DIGITAL DATA LOGGER. THE VALUES AT STANDARD DEPTHS HAVE BEEN DIGITIZED FROM THE ANALOG RECORDING AND THE SAME CALIBRATION CORRECTION APPLIED.

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 33.0N		115 52.5W		06/23/69		1332 GMT			4309M	310	16KT	2	310 05 08		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	17.69	33.67		24.351	358.5	0
10									10	17.70	33.67		24.348	358.7	.036
20									20	17.68	33.65		24.338	359.7	.072
30									30	16.90	33.49		24.401	353.7	.108
40									50	14.08	33.44		24.987	297.9	.173
50									75	11.48	33.49		25.535	245.7	.241
100									100	10.86	33.75		25.849	215.9	.300
125									125	10.33	34.05		26.175	185.0	.350
150									150	10.54	34.20		26.255	177.4	.396
200									200	10.08	34.36		26.459	158.0	.482
250									250	9.02	34.34		26.619	142.8	.559
300									300	8.40	34.33		26.708	134.3	.631
400									400	7.59	34.40		26.884	117.7	.763
500									500	6.60	34.41		27.030	103.8	.881

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120050

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 33.0N		115 32.5W		06/23/69		1508 GMT			4309M	310	16KT	2	310 05 08		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0															
10	17.68	33.653	5.64	.35	5.	.00	.0	359.5							
30		33.509	6.06	.35	3.	.00	.0								
39	14.72		6.15	.35	4.	.00	.0								
49			6.09	.35	4.	.00	.0								
63	12.60		4.75	.96	16.	.00	6.5								
81			4.59	1.07	19.	.00	8.9								
98	10.76	33.719	3.76	1.71	30.	.00	15.5	216.5							
125			2.29	2.08	47.	.00	22.4								
141	10.83		1.90	2.24	54.	.00	24.4								
170			1.76	2.30	61.	.00	25.4								
200	9.96		1.36	2.56	70.	.00	27.9								
227			1.20												
268	8.90		.97												
323			.64												
399	7.63	34.377	.41					119.9							
472	7.01	34.393	.29					110.4							
549	6.11	34.363	.29					101.2							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 23.0N		116 12.0W		06/22/69		2315 GMT			3700M	330	15KT	2	330 05 08		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	17.19	33.59		24.409	352.9	0
10									10	17.15	33.58		24.411	352.7	.035
20									20	17.07	33.57		24.422	351.7	.071
30									30	16.20	33.48		24.555	339.0	.105
40									50	14.48	33.52		24.965	300.0	.169
50									75	11.82	33.48		25.465	252.5	.239
100									100	10.41	33.70		25.889	212.1	.297
125									125	10.33	33.95		26.097	192.4	.348
150									150	9.93	34.08		26.267	176.3	.395
200									200	9.56	34.25		26.461	157.8	.481
250									250	8.83	34.26		26.587	145.9	.559
300									300	8.31	34.32		26.714	133.8	.631
400									400	7.31	34.34		26.877	118.3	.763
500									500	6.40	34.37		27.025	104.3	.882

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120055

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 23.0N		116 12.0W		06/22/69		2347 GMT			3700M	330	15KT	2	330 05 08		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0															
10	17.13	33.581	5.72												
30		33.585	5.83	.29	4.	.00	.0	351.9							
39	15.15	33.489	5.98	.29	3.	.00	.0								
49	14.37		6.18	.35	5.	.00	.0								
64	12.45		6.06	.32	6.	.29	.0								
79			5.30	.69	12.	.04	4.5								
98	10.45	33.699	4.75	1.12	20.	.00	10.8								
120			2.93	1.92	44.	.00	22.2								
142	10.05		2.57	1.98	52.	.00	24.1								
171			2.04	2.27	63.	.00	26.2								
201	9.46		1.65	2.46	72.	.00	28.1								
232			1.28												
270	8.52		1.17												
331			.62												
404	7.11	34.344	.41					115.4							
479	6.47	34.357	.32					106.1							
557	5.98	34.375	.25					98.8							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120060

LATITUDE		LNGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 13.0N		116 30.5W		06/22/69	1301	GMT			3738M	340	15KT	2	360 05 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	16.95	33.52		24.412	352.6	0
									10	16.94	33.52		24.415	352.4	.035
									20	16.94	33.52		24.415	352.4	.071
									30	16.63	33.54		24.502	344.1	.105
									50	15.28	33.46		24.746	320.9	.172
									75	12.36	33.25		25.185	279.1	.248
									100	11.01	33.48		25.613	238.4	.313
									125	10.25	33.75		25.955	205.8	.369
									150	9.89	33.89		26.125	189.7	.419
									200	9.18	34.14		26.437	160.1	.508
									250	9.19	34.36		26.607	143.9	.586
									300	8.78	34.41		26.712	134.0	.659
									400	7.26	34.34		26.884	117.6	.790
									500	6.65	34.39		27.008	105.9	.909

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
27 13.0N		116 30.5W		06/22/69	1333	GMT			3738M	340	15KT	2	360 05 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	16.95	33.497	5.71	.32	3.	.00	.0	354.3							
10	16.94	33.504	5.77	.32	3.	.00	.0	353.6							
30		33.524	5.79	.35	3.	.00	.0								
39	16.57		5.84	.43	4.	.00	.0								
50			6.01	.38	3.	.00	.0								
64	13.86		6.06	.40	4.	.00	.0								
77			5.32	.45	11.	.00	3.9								
98	11.16		4.82	.98	18.	.06	7.9								
120			3.41	1.71	36.	.00	16.8								
142	9.92		3.41	1.63	41.	.04	18.6								
171			2.99	1.98	51.	.00	21.6								
201	9.19		2.48	2.19	65.	.00	24.1								
230			1.94												
270	9.08		.87												
330			.74												
404	7.21	34.326	.49					118.0							
478	6.76	34.364	.32					109.3							
557	6.13	34.371	.27					100.9							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 53.0N		117 10.0W		06/21/69	1750	GMT			3738M	350	20KT	2	350 05 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.80	33.58		24.256	367.6	0
									10	17.80	33.58		24.256	367.6	.037
									20	17.80	33.58		24.256	367.6	.074
									30	16.67	33.54		24.493	344.9	.109
									50	16.07	33.54		24.631	331.8	.177
									75	14.89	33.47		24.838	312.1	.258
									100	12.37	33.45		25.337	264.6	.331
									125	10.82	33.65		25.778	222.6	.392
									150	10.44	33.89		26.031	198.6	.446
									200	9.47	34.11		26.367	166.8	.539
									250	9.48	34.37		26.568	147.7	.620
									300	8.76	34.33		26.653	139.6	.694
									400	7.79	34.38		26.839	121.9	.831
									500	6.75	34.39		26.994	107.2	.953

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 53.0N		117 10.0W		06/22/69	0313	GMT			3738M	330	14KT	2	300 05 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0		33.557	5.66	.27	2.	.00	.0								
10	17.79	33.555	5.73	.27	2.	.00	.0	369.2							
30		33.529	5.90	.27	2.	.00	.0								
40	16.39		5.96	.29	2.	.00	.0								
50			5.99	.29	2.	.00	.0								
64	15.44		5.97	.29	3.	.00	.0								
78			6.02	.37	6.	.00	.0								
99	12.35	33.423	5.25	.69	11.	.01	4.6	266.2							
125			4.07	1.25	27.	.00	13.7								
143	10.84		2.93	1.68	40.	.00	20.4								
174			3.01	1.84	50.	.00	23.2								
202	9.35		2.49	2.06	61.	.00	25.8								
235			2.15												
272	9.18		.95												
332			.75												
405	7.60	34.362	.47					120.6							
479	6.87	34.381	.29					109.4							
557	6.11	34.374	.26					100.4							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 32.5N		117 49.0W		06/21/69	1250	GMT		4022M	350	17KT	2	350 03 04			
Z	T	S	OZ	PO4	SI03	NC2	NC3	DT	Z	T	S	OZ	SIGT	DT	DD
0									0	17.93	33.57		24.216	371.3	0
10									10	17.92	33.57		24.219	371.1	.037
20									20	17.10	33.49		24.354	358.2	.074
30									30	16.63	33.50		24.472	347.0	.109
50									50	16.42	33.49		24.513	343.1	.178
75									75	15.61	33.61		24.788	316.9	.261
100									100	13.66	33.49		25.112	286.0	.337
125									125	11.51	33.54		25.568	242.6	.404
150									150	10.58	33.67		25.836	217.2	.462
200									200	9.79	34.07		26.282	174.8	.562
250									250	9.37	34.27		26.508	153.4	.646
300									300	8.72	34.34		26.667	138.3	.722
400									400	7.84	34.38		26.832	122.6	.859
500									500	6.84	34.40		26.990	107.6	.981

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120080

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 32.5N		117 49.0W		06/21/69	1324	GMT		4022M	350	17KT	2	350 03 04			
Z	T	S	OZ	PO4	SI03	NC2	NC3	DT	Z	T	S	OZ	SIGT	DT	DD
0	17.89	33.554	5.64	.32	3.	.00	.6	371.5	0	17.89	33.554	5.64	24.214	371.5	0
12	17.88	33.551	5.68	.29	2.	.00	.0	371.5	10	17.88	33.552	5.67	24.214	371.5	.037
24	16.73	33.495	5.88	.37	3.	.00	.0	349.5	20	17.13	33.512	5.81	24.365	357.2	.074
36	16.51	33.502	5.92	.32	3.	.00	.0	344.2	30	16.62	33.514	5.90	24.484	345.8	.109
47	16.61	33.595	5.90	.35	3.	.00	.0	339.6	50	16.48	33.589	5.90	24.574	337.3	.177
59	16.02	33.557	5.91	.32	3.	.00	.2	329.5	75	15.33	33.578	5.83	24.825	313.3	.259
70	15.77	33.593	5.90	.35	3.	.00	.2	321.5	100	12.90	33.493	5.35	25.268	271.2	.333
88	13.92	33.522	5.58	.48	6.	.08	.7	288.7	125	11.31	33.513	4.70	25.583	241.2	.398
122	11.46	33.502	4.81	.93	17.	.00	8.8	244.5	150	10.48	33.660	3.83	25.846	216.2	.455
152	10.44	33.985U	3.77	1.50	32.	.00	17.9		200	9.72	34.071	2.71	26.294	173.6	.555
171			3.48	1.71	42.	.00	22.3		250	9.30	34.290	1.76	26.535	150.8	.638
202	9.70	34.085	2.66	2.08	55.	.00	26.7	172.2	300	8.72	34.340	.90	26.667	138.3	.713
231			2.24						400	7.61	34.385	.51	26.869	119.1	.848
271	9.12		1.23						500	6.77	34.395	.27	26.995	107.1	.968
331	8.38		.74												
406	7.55		.50												
479	6.94	34.388	.27					109.8							
557	6.31	34.406	.26					100.5							

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 13.0N		118 27.0W		06/20/69	2240	GMT		4022M	340	05KT	2	340 02 05			
Z	T	S	OZ	PO4	SI03	NC2	NC3	DT	Z	T	S	OZ	SIGT	DT	DD
0									0	19.40	34.09		24.245	368.6	0
10									10	19.32	34.10		24.273	365.9	.037
20									20	19.30	34.14		24.308	362.5	.073
30									30	19.07	34.17		24.390	354.8	.109
50									50	18.65	34.21		24.526	341.8	.179
75									75	17.96	34.09		24.606	334.2	.264
100									100	15.37	33.77		24.964	300.1	.344
125									125	12.27	33.61		25.480	251.0	.414
150									150	11.25	33.74		25.771	223.3	.474
200									200	9.83	34.09		26.291	173.9	.575
250									250	9.07	34.23		26.525	151.7	.659
300									300	8.82	34.35		26.659	139.0	.734
400									400	7.84	34.38		26.832	122.6	.871
500									500	6.88	34.40		26.984	108.2	.994

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

120090

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 13.0N		118 27.0W		06/20/69	2323	GMT		4022M	340	05KT	2	320 02 05			
Z	T	S	OZ	PO4	SI03	NC2	NC3	DT	Z	T	S	OZ	SIGT	DT	DD
0		34.080	5.54												
10	19.31	34.083	5.46					366.9							
29		34.155	5.55												
39	18.72		5.56	.27	3.	.00	.3								
49			5.60	.29	3.	.00	.3								
64	18.33		5.60	.29	3.	.00	.3								
81			5.57	.29	3.	.02	.3								
99	16.05	33.85	5.45	.37	4.	.00	.3	308.1							
126			4.84	.75	13.	.00	5.8								
144	11.46		4.27	1.12	23.	.00	11.9								
175			3.52	1.55	35.	.00	18.6								
203	9.77		2.89	1.98	54.	.00	24.0								
233			2.48												
271	9.06		1.55												
330			.83												
403	7.93		.52												
477	7.15	34.357	.33					114.9							
556	6.50	34.413	.27					102.3							

RV DAVID STARR JORDAN CALCOFI CRUISE 6906 123037

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 24.0N		114 40.0W		06/24/69	1457 GMT			69M	300	04KT	2	270 02 07			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	12.68	33.91		25.633	236.5	0
									10	12.10	33.95		25.776	222.9	.023
									20	11.57	34.01		25.922	209.0	.045
									30	11.33	34.05		25.997	201.9	.065
									50	11.02	34.14		26.123	189.9	.105

RV DAVID STARR JORDAN CALCOFI CRUISE 6906 123042

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 14.0N		114 59.0W		06/24/69	1727 GMT			1577M	100	01KT	2	290 01 04			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.64	33.65		24.348	358.8	0
									10	17.57	33.65		24.365	357.2	.036
									20	17.12	33.65		24.472	347.0	.071
									30	15.84	33.52		24.667	328.3	.105
									50	13.84	33.43		25.029	293.9	.167
									75	12.10	33.56		25.474	251.6	.236
									100	10.87	33.84		25.917	209.5	.294
									125	10.53	34.15		26.218	180.9	.343
									150	10.62	34.30		26.319	171.3	.388
									200	9.45	34.22		26.456	158.3	.473
									250	9.42	34.36		26.570	147.5	.551
									300	9.08	34.42		26.672	137.8	.625
									400	8.22	34.47		26.846	121.3	.761
									500	6.90	34.40		26.982	108.4	.884

RV DAVID STARR JORDAN CALCOFI CRUISE 6906 123050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
26 58.0N		115 31.0W		06/24/69	2200 GMT			3642M	300	06KT	2	300 02 06			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.80	33.60		24.271	366.1	0
									10	17.65	33.58		24.292	364.1	.037
									20	17.59	33.59		24.314	362.0	.073
									30	17.46	33.55		24.315	362.0	.109
									50	15.58	33.46		24.680	327.2	.178
									75	13.61	33.39		25.045	292.3	.256
									100	12.47	33.59		25.426	256.1	.325
									125	11.22	33.66		25.714	228.7	.387
									150	10.54	33.93		26.045	197.3	.441
									200	10.22	34.31		26.396	164.0	.533
									250	9.62	34.38		26.552	149.1	.613
									300	9.24	34.44		26.662	138.8	.688
									400	8.17	34.43		26.822	123.6	.826
									500	6.57	34.37		27.003	106.4	.948

RV DAVID STARR JORDAN CALCOFI CRUISE 6906 123060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
26 38.5N		116 09.0W		06/25/69	0225 GMT			3832M	330	06KT	2	250 03 05			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.68	33.61		24.307	362.6	0
									10	17.66	33.60		24.305	362.9	.036
									20	17.54	33.60		24.334	360.1	.072
									30	17.36	33.55		24.338	359.7	.109
									50	16.26	33.52		24.572	337.4	.179
									75	14.50	33.48		24.930	303.4	.259
									100	12.49	33.42		25.291	269.0	.331
									125	11.09	33.64		25.722	228.0	.394
									150	10.31	33.84		26.015	200.2	.448
									200	9.91	34.21		26.371	166.3	.542
									250	9.50	34.37		26.564	148.0	.623
									300	9.25	34.44		26.660	138.9	.697
									400	8.09	34.42		26.826	123.2	.835
									500	6.91	34.39		26.972	109.3	.958

RV DAVID STARR JORDAN CALCOFI CRUISE 6906 127034

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
26 55.0N		114 06.5W		06/25/69	1906 GMT			84M	210	01KT	2	300 01 04			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
									0	14.72	33.82		25.144	283.0	0
									10	14.06	33.78		25.253	272.6	.028
									20	12.95	33.76		25.464	252.6	.054
									30	12.45	33.76		25.561	243.3	.079
									50	11.12	33.89		25.911	210.0	.124
									75	10.78	34.06		26.104	191.7	.175

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

127040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 44.0N		114 30.0W		06/25/69	1547	GMT		3263M	100	02KT	2	280 10 08			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0									0	17.45	33.65		24.393	354.4	0
10									10	17.27	33.61		24.406	353.3	.035
20									20	14.97	33.52		24.859	310.0	.069
30									30	15.12	33.60		24.888	307.3	.100
50									50	12.63	33.55		25.364	262.0	.157
75									75	11.13	33.68		25.746	225.7	.218
100									100	10.78	33.92		25.995	202.1	.272
125									125	10.54	34.13		26.201	182.5	.321
150									150	9.98	34.19		26.344	168.9	.365
200									200	10.31	34.46		26.497	154.4	.448
250									250	10.63	34.61		26.558	148.6	.526
300									300	9.83	34.53		26.634	141.4	.602
400									400	8.37	34.47		26.823	123.5	.741
500									500	7.48	34.44		26.931	113.2	.867

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

127050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 22.0N		115 09.5W		06/25/69	1044	GMT		4309M	300	08KT	2	310 01 04			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0									0	18.15	33.78		24.323	361.2	0
10									10	18.16	33.78		24.320	361.4	.036
20									20	18.17	33.81		24.341	359.5	.072
30									30	18.17	33.82		24.348	358.7	.108
50									50	18.18	34.13		24.582	336.4	.178
75									75	17.24	34.00		24.711	324.2	.261
100									100	14.51	33.73		25.120	285.3	.338
125									125	12.46	33.86		25.637	236.1	.404
150									150	11.76	34.02		25.894	211.7	.461
200									200	10.36	34.22		26.302	172.9	.559
250									250	9.68	34.30		26.480	156.0	.643
300									300	9.01	34.32		26.605	144.1	.721
400									400	7.76	34.35		26.820	123.7	.861
500									500	6.99	34.41		26.977	108.9	.985

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

127060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 04.0N		115 45.0W		06/25/69	0645	GMT		4022M	290	08KT	2	310 01 04			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0									0	18.42	34.04		24.454	348.6	0
10									10	18.43	34.04		24.452	348.9	.035
20									20	18.43	34.03		24.444	349.6	.070
30									30	18.43	34.04		24.452	348.9	.105
50									50	18.42	34.04		24.454	348.6	.175
75									75	18.00	34.13		24.627	332.2	.261
100									100	16.84	33.91		24.736	321.8	.343
125									125	14.10	33.71		25.191	278.5	.419
150									150	11.98	33.85		25.721	228.1	.483
200									200	10.61	34.27		26.297	173.4	.585
250									250	9.83	34.32		26.470	156.9	.670
300									300	9.38	34.36		26.576	146.9	.749
400									400	7.92	34.33		26.781	127.5	.893
500									500	6.98	34.38		26.955	111.0	1.019

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

130030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 29.0N		113 29.0W		06/26/69	0120	GMT		76M	300	05KT	2	300 01 04			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0									0	16.16	33.61		24.664	328.7	0
10									10	14.50	33.59		25.014	295.3	.031
20									20	13.50	33.70		25.307	267.5	.059
30									30	12.42	33.60		25.444	254.5	.086
50									50	11.43	33.73		25.730	227.2	.134

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

130030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 29.0N		113 29.0W		06/26/69	0146	GMT		76M	300	05KT	2	300 01 04			
Z	T	S	02	P04	S103	NC2	NC3	DT	Z	T	S	02	SIGT	DT	DD
0	15.99	33.60	6.07	.32	4.	.00	.0	325.7	0	15.99	33.60	6.07	24.695	325.7	0
20	13.43	33.55	5.50	.53	8.	.08	3.1	277.1	10	14.61	33.59	5.91	24.991	297.6	.031
30	12.44	33.58	4.84	.85	15.	.10	8.6	256.3	20	13.43	33.55	5.50	25.205	277.1	.060
40	12.20	33.59	4.61	1.04	17.	.12	10.7	251.2	30	12.44	33.58	4.84	25.424	256.3	.087
49	11.56	33.69	3.94	1.31	25.	.06	17.1	232.4	50	11.50	33.69	3.91	25.687	231.4	.136

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

130040

LATITUDE 26 07.0N			LONGITUDE 114 07.0W			MO/DAY/YR 06/26/69		MESSENGER TIME 0635 GMT		BOTTOM 2322M	WIND 270	SPEED 06KT	WEATHER 1	DOMINANT WAVES 00		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.04	33.73		24.552	339.3	0	
									10	16.65	33.72		24.635	331.4	.034	
									20	16.40	33.72		24.693	325.9	.066	
									30	15.70	33.70		24.837	312.2	.098	
									50	12.41	33.85		25.639	235.9	.153	
									75	11.32	33.96		25.929	208.3	.209	
									100	10.64	34.01		26.090	193.1	.260	
									125	10.19	34.15		26.277	175.3	.307	
									150	9.86	34.25		26.411	162.6	.350	
									200	9.60	34.41		26.579	146.6	.429	
									250	8.58	34.31		26.665	138.4	.502	
									300	8.23	34.40		26.789	126.7	.571	
									400	7.53	34.43		26.916	114.6	.698	
									500	6.85	34.44		27.020	104.8	.815	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

130040

LATITUDE 26 07.0N			LONGITUDE 114 07.0W			MO/DAY/YR 06/26/69		MESSENGER TIME 0730 GMT		BOTTOM 2322M	WIND 270	SPEED 06KT	WEATHER 1	DOMINANT WAVES 00		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
			33.72	5.90	.37	2.	.00	.5								
12	16.61		33.72	5.90	.40	1.	.00	.5	330.5							
31			33.72	5.80	.56	4.	.03	.9								
41	13.34		4.23	1.20	20.	.41	8.3									
52			2.95	1.71	33.	.07	17.6									
66	11.45		2.60	1.79	35.	.00	19.4									
75			2.34	1.95	43.	.00	21.2									
98	10.80	34.02	2.47	1.90	47.	.00	21.1	195.0								
120			2.25	2.06	58.	.00	23.7									
142	10.05		1.98	2.24	64.	.00	24.9									
168			1.60	2.38	77.	.00	26.6									
201	9.58		.93	2.62	84.	.00	28.5									
223			.92													
269	8.43		.95													
330			.62													
402	7.50	34.434	.38					113.9								
476	7.06	34.431	.38					108.2								
553	6.32	34.423	.30					99.3								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

130050

LATITUDE 25 47.0N			LONGITUDE 114 47.0W			MO/DAY/YR 06/26/69		MESSENGER TIME 1300 GMT		BOTTOM 3690M	WIND 330	SPEED 05KT	WEATHER 2	DOMINANT WAVES 340 03 06		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.88	33.62		24.267	366.5	0	
									10	17.83	33.65		24.302	363.2	.037	
									20	17.84	33.66		24.307	362.7	.073	
									30	18.07	33.87		24.411	352.8	.109	
									50	17.89	34.05		24.592	335.5	.178	
									75	16.25	33.76		24.758	319.7	.260	
									100	14.44	33.72		25.127	284.6	.336	
									125	11.96	33.75		25.647	235.1	.402	
									150	10.96	33.89		25.940	207.3	.458	
									200	10.00	34.22		26.364	167.0	.554	
									250	9.37	34.28		26.516	152.6	.636	
									300	8.94	34.37		26.655	139.4	.711	
									400	7.64	34.36		26.846	121.3	.848	
									500	6.98	34.42		26.986	108.0	.970	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

130050

LATITUDE 25 47.0N			LONGITUDE 114 47.0W			MO/DAY/YR 06/26/69		MESSENGER TIME 1342 GMT		BOTTOM 2690M	WIND 330	SPEED 05KT	WEATHER 2	DOMINANT WAVES 340 03 06		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
			33.603	5.68												
10	17.82		33.625	5.64				364.8								
30			33.850	5.62												
40	18.07		5.62													
50			5.62	.24	2.	.00	.2									
63	17.45		5.59	.25	2.	.00	.2									
78			5.54	.32	4.	.00	.3									
97	14.16	33.719	4.70	.64	11.	.04	4.4	279.0								
120			4.09	1.12	21.	.03	11.8									
140	10.96		3.67	1.35	30.	.01	17.0									
166			2.74	1.87	46.	.01	23.7									
198	9.96		2.27	2.08	57.	.01	26.4									
224			1.97													
267	9.25		1.47													
319			.86													
396	7.63	34.354	.59					121.6								
468	7.15	34.419	.37					110.3								
546	6.40	34.423	.29					100.3								

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

130060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 29.0N		115 24.0W		06/26/69		1727 GMT			3832M	330	02KT	2	330 03 06		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	18.25	33.79		24.306	362.8	0
									10	18.23	33.79		24.311	362.3	.036
									20	18.19	33.79		24.321	361.4	.073
									30	18.17	33.79		24.325	360.9	.109
									50	17.98	33.76		24.349	358.7	.181
									75	16.09	33.67		24.726	322.8	.267
									100	14.67	33.68		25.047	292.2	.344
									125	12.77	33.70		25.453	253.6	.413
									150	11.47	33.86		25.824	218.3	.473
									200	10.99	34.29		26.245	178.3	.574
									250	10.77	34.55		26.486	155.4	.660
									300	9.87	34.52		26.619	142.8	.738
									400	8.55	34.48		26.803	125.4	.879
									500	7.44	34.46		26.953	111.1	1.005

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

130060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 29.0N		115 24.0W		06/26/69		1827 GMT			3832M	330	02KT	2	330 03 06		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0		33.772	5.58	.32	3.	.00	.4								
9	18.22	33.771	5.58	.27	3.	.00	.4	363.5							
29		33.773	5.59	.24	3.	.00	.3								
39	18.12		5.58	.27	3.	.00	.3								
49			5.66	.24	3.	.00	.3								
62	16.63		5.83	.27	4.	.00	.2								
81			5.71	.32	4.	.00	.3								
97	14.92	33.672	5.32	.45	7.	.13	1.0	297.9							
126			4.18	1.01	19.	.00	10.5								
141	11.55		3.33	1.44	31.	.00	17.0								
171			2.08	2.08	47.	.00	25.2								
200	10.92		1.61	2.24	59.	.00	27.7								
229			.77												
269	10.16		.55												
331			.40												
403	8.48	34.484						124.1							
477	7.68	34.461	.24					114.4							
557	6.89	34.443	.24					105.1							

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

133025

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
26 04.5N		112 48.0W		06/27/69		1555 GMT			80M	070	10KT	1	270 01 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	17.01	33.88		24.674	327.7	0
									10	16.89	33.89		24.709	324.3	.033
									20	14.25	33.76		25.198	277.8	.063
									30	12.61	33.93		25.662	233.7	.088
									50	12.78	34.38		25.976	203.9	.132
									75	12.48	34.47		26.105	191.6	.182

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

133030

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 52.5N		113 08.5W		06/27/69		1309 GMT			229M	330	12KT	1	320 03 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
									0	14.80A	34.10A		25.342	264.1	0
									10	13.58A	34.05A		25.560	243.4	.025
									20	13.54	34.09		25.599	239.7	.050
									30	13.23	34.09		25.662	233.7	.073
									50	12.90	34.22		25.829	217.9	.119
									75	11.72	34.26		26.087	193.3	.170
									100	12.30	34.53		26.186	183.9	.218
									125	12.04	34.58		26.275	175.5	.264
									150	11.75	34.59		26.337	169.5	.308
									200	11.33	34.64		26.455	158.4	.392

A) THE VALUES ABOVE 20 METERS WERE DIGITIZED FROM THE ANALOG RECORDING.

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

133040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 32.0N		113 43.5W		06/27/69	0801	GMT		2886M	310	04KT	1	310 03 05			
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	17.92	33.70		24.318	361.6	0
10									10	17.92	33.70		24.318	361.6	.036
20									20	17.81	33.69		24.337	359.8	.072
30									30	17.06	33.64		24.478	346.3	.108
50									50	16.84	33.80		24.652	329.8	.176
75									75	15.11	33.67		24.944	302.0	.255
100									100	12.21	33.77		25.615	238.1	.323
125									125	11.67	33.99		25.888	212.3	.380
150									150	10.92	34.08		26.094	192.6	.431
200									200	10.66	34.47		26.444	159.5	.521
250									250	10.11	34.51		26.571	147.4	.601
300									300	9.43	34.48		26.662	138.8	.675
400									400	8.22	34.47		26.846	121.3	.812
500									500	6.96	34.43		26.997	107.0	.933

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

133050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 14.5N		114 24.0W		06/27/69	0350	GMT		7832M	330	05KT	1	330 02 05			
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	18.46	33.79		24.254	367.7	0
10									10	18.46	33.79		24.254	367.7	.037
20									20	18.23	33.78		24.303	363.0	.073
30									30	18.19	33.79		24.321	361.4	.110
50									50	18.09	33.78		24.337	359.8	.182
75									75	16.04	33.67		24.737	321.7	.268
100									100	13.78	33.55		25.134	283.9	.344
125									125	11.89	33.66		25.591	240.5	.410
150									150	11.80	34.28		26.088	193.2	.465
200									200	11.05	34.46		26.366	166.8	.557
250									250	10.98	34.62		26.503	153.8	.640
300									300	10.36	34.59		26.590	145.6	.718
400									400	8.79	34.50		26.781	127.5	.862
500									500	7.60	34.46		26.930	113.3	.990

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

133060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
24 54.5N		115 02.0W		06/26/69	2310	GMT		4022M	290	05KT	2				
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	18.47	33.74		24.213	371.6	0
10									10	18.25	33.73		24.260	367.1	.037
20									20	18.07	33.72		24.297	363.7	.074
30									30	18.04	33.72		24.304	363.0	.110
50									50	17.84	33.72		24.353	358.3	.182
75									75	15.94	33.66		24.752	320.3	.268
100									100	13.86	33.66		25.202	277.4	.343
125									125	11.79	33.72		25.656	234.3	.408
150									150	11.33	33.96		25.927	208.5	.464
200									200	10.49	34.28		26.326	170.6	.561
250									250	10.27	34.45		26.496	154.4	.644
300									300	9.84	34.49		26.601	144.5	.722
400									400	8.46	34.46		26.801	125.6	.864
500									500	7.48	34.47		26.955	110.9	.990

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

137023

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 34.0N		112 19.0W		06/27/69	2148	GMT		76M	270	11KT	1	280 01 04			
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0									0	19.00	34.07		24.332	360.3	0
10									10	17.28	33.93		24.648	330.2	.035
20									20	13.50	33.99		25.530	246.2	.063
30									30	13.09	34.16		25.744	225.9	.087
50									50	12.94	34.40		25.960	205.4	.130

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

137023

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME				BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 34.0N		112 19.0W		06/27/69	2216	GMT		76M	270	11KT	1	280 01 04			
Z	T	S	O2	PO4	SIC3	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD
0	19.02	34.058	6.34	.37	20.	.00	.0	361.7	0	19.02	34.058	6.34	24.317	361.7	0
20	13.56	33.968	2.27	1.79	30.	.21	17.7	249.0	10	17.03	33.903	3.87	24.686	326.5	.034
30	13.19	34.146	1.54	2.14	39.	.00	22.8	228.8	20	13.56	33.968	2.27	25.501	249.0	.063
40	12.85	34.245	1.42	2.14	42.	.00	23.8	215.1	30	13.19	34.146	1.54	25.714	228.8	.087
49	12.95	34.379	.79	2.67	56.	.00	26.0	207.1	50	12.95	34.379	.79	25.942	207.1	.131

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

137030

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 20.0N			112 46.0W			06/28/69		0230 GMT		342M	280	13KT	1	280 01 04		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	16.98	33.85		24.658	329.3	0	
10									10	16.05	33.75		24.796	316.1	.032	
20									20	15.17	33.77		25.008	295.9	.063	
30									30	13.32	33.75		25.382	260.3	.091	
50									50	13.02	34.16		25.758	224.5	.139	
75									75	12.57	34.35		25.994	202.1	.193	
100									100	12.30	34.47		26.140	188.3	.243	
125									125	12.00	34.60		26.298	173.3	.289	
150									150	11.81	34.63		26.357	167.7	.332	
200									200	11.39	34.65		26.451	158.7	.416	
250									250	10.97	34.62		26.505	153.7	.496	
300									300	10.81	34.63		26.541	150.2	.576	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

137030

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 20.0N			112 46.0W			06/28/69		0306 GMT		342M	280	13KT	1	280 1 4		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0																
10	16.60	33.800	6.54	.48	14.	.00	.0	324.4								
28		33.823	4.81	.93	21.	.00	7.1									
45	13.05		2.87	1.35	28.	.00	16.7									
59	12.97		1.57	1.92	40.	.00	23.0									
74	12.66		1.05	2.19	48.	.00	25.4									
85			.71	2.32	55.	.00	26.6									
108	12.29	34.506	.51	2.46	58.	.00	27.7	185.5								
133			.29	2.62	65.	.00	27.4									
163	11.74		.23	2.67	68.	.00	27.1									
198			.22	2.78	76.	.00	26.0									
232	11.05	34.618						155.2								
266	10.85	34.617						151.8								
306	10.80	34.615						151.1								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

137040

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 00.5N			113 23.5W			06/28/69		0741 GMT		3169M	320	08KT	1	310 03 04		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0									0	18.19	33.74		24.282	365.0	0	
10									10	17.06	33.75		24.562	338.3	.035	
20									20	15.43	33.64		24.851	310.9	.068	
30									30	14.80	33.61		24.965	300.0	.098	
50									50	13.52	33.77		25.357	262.7	.155	
75									75	12.76	34.02		25.702	229.9	.217	
100									100	11.95	34.23		26.021	199.6	.271	
125									125	11.35	34.35		26.218	180.8	.319	
150									150	11.24	34.53		26.386	165.0	.363	
200									200	10.98	34.63		26.511	153.1	.445	
250									250	10.25	34.59		26.609	143.8	.522	
300									300	9.73	34.59		26.698	135.4	.594	
400									400	8.60	34.53		26.834	122.4	.730	
500									500	7.22	34.46		26.984	108.2	.853	

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

137040

LATITUDE			LONGITUDE			MC/DAY/YR		MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
25 00.5N			113 23.5W			06/28/69		0853 GMT		3169M	320	08KT	2	310 04 05		
Z	T	S	O2	PC4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD	
0																
10	17.98	33.712	5.72	.32	6.	.00	.0	362.4								
29		33.709	5.80	.29	6.	.00	.0									
38	14.27	33.675	5.58	.48	10.	.00	1.7									
50			5.24	.59	10.	.00	2.5									
63	13.59		4.63	.80	14.	.00	6.3									
76			3.22	1.34	25.	.00	14.1									
97	12.08	34.179	1.95	1.87	37.	.00	21.0									
121			1.94	1.98	42.	.00	23.4	205.7								
142	11.36		1.59	2.16	51.	.00	25.6									
167			1.15	2.30	58.	.00	27.5									
200	11.02		.67	2.54	64.	.00	28.6									
227			.43	2.59	68.	.00	28.5									
268	10.07		.50													
327			.34													
403	8.50	34.515	.28					122.1								
477	7.48	34.458	.27					111.8								
555	6.88	34.440	.32					105.2								

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

137050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
24 40.0N			114 02.5W			06/28/69		1331 GMT			3832M		320		12KT		1		310 05 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD						
0									0	17.92	33.62		24.257	367.4	0						
10									10	17.92	33.63		24.265	366.7	.037						
20									20	17.89	33.62		24.264	366.7	.073						
30									30	17.70	33.65		24.333	360.2	.110						
50									50	17.15	33.92		24.671	328.0	.179						
75									75	13.39	33.55		25.213	276.4	.255						
100									100	11.45	33.77		25.758	224.6	.318						
125									125	11.10	33.94		25.953	206.0	.373						
150									150	10.69	34.10		26.151	187.3	.422						
200									200	11.34	34.66		26.468	157.1	.511						
250									250	10.77	34.64		26.556	148.8	.590						
300									300	10.19	34.61		26.635	141.3	.665						
400									400	8.51	34.50		26.824	123.3	.805						
500									500	7.19	34.45		26.981	108.5	.928						

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

137050

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
24 40.0N			114 02.5W			06/28/69		1404 GMT			3832M		320		12KT		2		310 05 05		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD						
0			33.615	5.61	.29	2.	.00	.2													
10	17.91		33.615	5.52	.24	2.	.00	.1	367.6												
29			33.630	5.68	.21	2.	.00	.1													
38	17.67			5.74	.24	2.	.00	.2													
48				5.65	.27	3.	.00	.2													
61	15.56			5.74	.32	3.	.00	.2													
75				5.19	.67	9.	.00	3.5													
93	11.51	33.754		3.65	1.39	28.	.00	15.8	226.8												
114				2.84	1.82	38.	.00	20.9													
134	10.89			2.25	2.11	47.	.00	24.4													
160				1.95	2.32	57.	.00	25.6													
188	11.31			.27	2.91	72.	.00	28.4													
216				.30	2.91	75.	.00	28.1													
252	10.44			.23																	
308				.21																	
377	8.58	34.498		.27					124.5												
449	7.71	34.468		.24					114.3												
529	6.83	34.442		.23					104.4												

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

137060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
24 20.0N			114 40.0W			06/28/69		1750 GMT			3832M		330		08KT		2		320 04 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD						
0									0	17.96	33.63		24.255	367.6	0						
10									10	17.89	33.63		24.272	366.0	.037						
20									20	17.42	33.61		24.370	356.7	.073						
30									30	17.05	33.60		24.450	349.0	.108						
50									50	16.57	33.64		24.593	335.4	.177						
75									75	15.86	33.68		24.786	317.1	.259						
100									100	14.37	33.60		25.049	292.0	.336						
125									125	11.73	33.69		25.644	235.4	.402						
150									150	11.23	34.05		26.015	200.1	.458						
200									200	11.08	34.49		26.384	165.1	.551						
250									250	10.72	34.61		26.542	150.1	.632						
300									300	9.97	34.57		26.641	140.7	.708						
400									400	8.61	34.49		26.801	125.5	.848						
500									500	7.39	34.44		26.944	112.0	.975						

RV DAVID STARR JORDAN

CALCCFI CRUISE 6906

137060

LATITUDE			LONGITUDE			MO/DAY/YR		MESSENGER TIME			BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
24 20.0N			114 40.0W			06/28/69		1831 GMT			3832M		330		08KT		2		320 06 04		
Z	T	S	O2	PO4	SI03	NC2	NC3	DT	Z	T	S	O2	SIGT	DT	DD						
0			33.617	5.62	.16	3.	.00	.0													
9	17.95		33.622	5.64	.19	3.	.00	.0	368.0												
27			33.592	5.92	.16	3.	.00	.0													
36	16.97			5.82	.16	3.	.00	.0													
45				5.90	.21	4.	.00	.0													
56	16.39			5.88	.27	4.	.00	.0													
69				5.76	.27	4.	.00	.0													
86	14.77	33.627		5.43	.40	6.	.05	.7	298.1												
108				4.61	.67	14.	.00	6.1													
124	12.26			3.97	1.15	22.	.00	11.6													
151				2.89	1.71	38.	.00	20.6													
176	11.38			1.75	2.08	50.	.00	25.3													
200				.79	2.54	63.	.00	28.4													
235	10.92			.41																	
292				.26																	
352	9.34	34.542		.26					132.8												
420	8.11	34.468		.27					119.9												
495	7.49	34.467		.10					111.3												

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

TEN METER DATA

	Z	T	S	02	PO4	SI03	NO2	NO3	DT
97.029 06/09/69 2230GMT 32 17.5N 117 04.5W BOTTOM 39M WIND 310 10KT WEATHER 1 DOMINANT WAVES 310 04 05	10	12.64	33.595		.29	22.	.13	4.3	259.0
97.030 06/09/69 2305GMT 32 16.0N 117 07.0W BOTTOM 60M WIND 310 10KT WEATHER 2 DOMINANT WAVES 310 04 05	10	16.28 A	33.579		.45	9.	.00	.0	333.6
97.045 06/10/69 0845GMT 31 46.0N 118 08.0W BOTTOM 1849M WIND 310 06KT WEATHER 1 DOMINANT WAVES 310 03 05	10	15.78	33.377		.67	5.	.00	.0	337.6
97.050 06/10/69 1140GMT 31 36.5N 118 29.0W BOTTOM 2509M WIND 280 10KT WEATHER 1 DOMINANT WAVES 300 03 05	10	16.23	33.428		.72	4.	.00	.0	343.6
97.055 06/10/69 1515GMT 31 26.0N 118 50.0W BOTTOM 1206M WIND 330 14KT WEATHER 2 DOMINANT WAVES 330 04 07	10	16.25	33.439		.37	3.	.00	.0	343.2
97.060 06/10/69 1908GMT 31 16.0N 119 10.0W BOTTOM 3737M WIND 280 08KT WEATHER 1 DOMINANT WAVES 290 04 07	10	16.25	33.423		.59	3.	.00	.0	344.4
97.070 06/11/69 0033GMT 30 55.0N 119 50.0W BOTTOM 3545M WIND 300 10KT WEATHER 1 DOMINANT WAVES 310 03 05	10	16.92	33.358		.51	4.	.00	.0	363.9
97.080 06/11/69 0600GMT 30 35.0N 120 31.0W BOTTOM 3926M WIND 310 03KT WEATHER 1 DOMINANT WAVES 310 03 05	10	16.76	33.312		.40	4.	.00	.0	363.7
97.090 06/11/69 1000GMT 30 15.5N 121 10.5W BOTTOM 4403M WIND 310 02KT WEATHER 2 DOMINANT WAVES 000	10	17.48	33.350		.40	3.	.00	.0	377.1
100.029 06/13/69 0740GMT 31 42.0N 116 43.5W BOTTOM 112M WIND 300 09KT WEATHER DOMINANT WAVES 300 05 04	10	10.58	33.615		1.23	31.	.19	16.8	221.3
100.045 06/12/69 1815GMT 31 09.0N 117 46.0W BOTTOM 1298M WIND 300 10KT WEATHER 2 DOMINANT WAVES 300 03 05	10	16.73	33.646		.45	5.	.00	.0	338.6
100.055 06/12/69 1055GMT 30 49.0N 118 27.0W BOTTOM 2790M WIND 340 09KT WEATHER 2 DOMINANT WAVES 340 02 04	10	16.16	33.397		.37	4.	.05	.0	344.3

A) ALTERNATE TEMPERATURE 16.44 DEGREES.

RV DAVID STARR JORDAN

CALCOFI CRUISE 6906

TEN METER DATA

				Z	T	S	O2	PO4	SI03	NO2	NO3	DT
107.040	06/15/69	1345GMT	30 05.5N	116 40.5W		33.54		.29	2.	.00	.0	345.7
		BOTTOM	2933M	WIND 300	12KT	WEATHER 2						
			DOMINANT WAVES		300 04 04							
107.045	06/15/69	1045GMT	29 56.5N	117 04.0W		33.58		.24	2.	.00	.0	346.6
		BOTTOM	2042M	WIND 300	12KT	WEATHER 2						
			DOMINANT WAVES		300 04 04							
107.050	06/15/69	0816GMT	29 49.0N	117 21.0W		33.31		.29	3.	.00	.0	363.1
		BOTTOM	2696M	WIND 290	10KT	WEATHER 2						
			DOMINANT WAVES		280 06 05							
107.055	06/15/69	0540GMT	29 41.0N	117 42.0W		33.27		.27	3.	.00	.1	365.6
		BOTTOM	3263M	WIND 310	11KT	WEATHER 2						
			DOMINANT WAVES		310 04 06							
107.060	06/15/69	0310GMT	28 32.0N	118 01.5W		33.38		.27	4.	.00	.2	358.7
		BOTTOM	3737M	WIND 310	12KT	WEATHER 2						
			DOMINANT WAVES		310 04 06							
107.070	06/14/69	2300GMT	29 11.0N	118 41.0W		33.28		.27	3.	.00	.0	375.8
		BOTTOM	2980M	WIND 310	12KT	WEATHER 2						
			DOMINANT WAVES		310 04 06							
107.080	06/14/69	1840GMT	28 51.5N	119 20.0W		33.34		.27	3.	.00	.0	375.1
		BOTTOM	3737M	WIND 320	12KT	WEATHER 2						
			DOMINANT WAVES		310 05 05							
110.032	06/15/69	2335GMT	29 51.5N	115 49.5W		33.472		.88	12.	.06	5.1	262.1
		BOTTOM	34M	WIND 240	03KT	WEATHER 4						
			DOMINANT WAVES		270 01 05							
110.045	06/16/69	0720GMT	29 27.0N	116 39.5W		33.423		.27	2.	.00	.0	350.3
		BOTTOM	558M	WIND 290	10KT	WEATHER						
			DOMINANT WAVES		290 01 05							
113.029	06/18/69	0630GMT	29 24.0N	115 13.0W		33.727		.64	20.	.00	3.3	269.9
		BOTTOM	26M	WIND 310	10KT	WEATHER						
			DOMINANT WAVES		290 02 09							
113.030	06/18/69	0550GMT	29 21.0N	115 18.0W		33.676		.72	17.	.00	4.1	259.8
		BOTTOM	63M	WIND 310	12KT	WEATHER						
			DOMINANT WAVES		290 02 09							
113.035	06/18/69	0240GMT	29 11.5N	115 38.0W		33.538		.29	3.	.00	.0	297.6
		BOTTOM	1336M	WIND 310	10KT	WEATHER 2						
			DOMINANT WAVES		290 02 09							
113.040	06/17/69	2345GMT	28 58.0N	115 58.5W		33.513		.40	3.	.00	.0	349.4
		BOTTOM	1669M	WIND 310	08KT	WEATHER 2						
			DOMINANT WAVES		290 02 09							

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TEN METER DATA

			Z	T	S	02	PO4	SI03	NO2	NO3	DT		
117.070	06/19/69	2345GMT	27	29.5N	117 32.5W	10	17.76	33.568	.24	2.	.00	.0	367.6
	BOTTOM	3926M	WIND	340	10KT	WEATHER	1						
	Dominant	Waves	340	03	05								
117.080	06/20/69	0400GMT	27	08.0N	118 10.5W	10	18.25		.21	2.	.00	.0	
	BOTTOM	4021M	WIND	300	08KT	WEATHER	1						
	Dominant	Waves	340	01	05								
120.024	06/18/69	1645GMT	28	25.0N	114 10.5W	10	16.70	33.716	.27	10.	.00	.0	332.9
	BOTTOM	32M	WIND	260	08KT	WEATHER	2						
	Dominant	Waves	230	02	05								
120.025	06/18/69	1725GMT	28	22.5N	114 15.0W	10	16.92	33.729	.24	10.	.00	.0	336.8
	BOTTOM	56M	WIND	280	10KT	WEATHER	2						
	Dominant	Waves	230	02	05								
120.030	06/18/69	1945GMT	28	14.0N	114 33.5W	10	16.37	33.708	.35	11.	.00	.0	326.2
	BOTTOM	93M	WIND	290	08KT	WEATHER	1						
	Dominant	Waves	290	03	05								
120.035	06/18/69	2210GMT	28	03.0N	114 54.0W	10	17.18	33.720	.35	10.	.00	.0	343.3
	BOTTOM	84M	WIND	310	08KT	WEATHER	1						
	Dominant	Waves	290	02	05								
120.040	06/24/69	0140GMT	27	56.5N	115 14.0W	10	16.76	33.718	.27	11.	.00	.0	334.0
	BOTTOM	43M	WIND	280	18KT	WEATHER	2						
	Dominant	Waves	290	04	06								
123.036	06/24/69	1430GMT	27	26.0N	114 36.0W	10	12.12	33.953	1.20	33.	.38	13.0	223.1
	BOTTOM	47M	WIND	280	10KT	WEATHER	2						
	Dominant	Waves	270	02	07								
123.037	06/24/69	1515GMT	27	24.0N	114 40.0W	10	12.09	33.942	1.16	33.	.20	13.2	223.4
	BOTTOM	69M	WIND	300	04KT	WEATHER	2						
	Dominant	Waves	270	02	07								
123.042	06/24/69	1748GMT	27	14.0N	114 59.0W	10	17.48	33.635	.24	5.	.00	.4	356.3
	BOTTOM	1577M	WIND	100	01KT	WEATHER	2						
	Dominant	Waves	290	01	04								
123.045	06/24/69	1947GMT	27	08.0N	115 11.5W	10	17.84	33.624	.21	2.	.00	.0	365.4
	BOTTOM	4212M	WIND	290	06KT	WEATHER	5						
	Dominant	Waves	310	02	06								
123.050	06/24/69	2230GMT	26	58.0N	115 31.0W	10	17.74	33.585	.29	3.	.00	.0	365.9
	BOTTOM	3641M	WIND	300	06KT	WEATHER	2						
	Dominant	Waves	300	02	06								
123.060	06/25/69	0239GMT	26	38.5N	116 09.0W	10	17.78	33.591	.29	3.	.00	.0	366.4
	BOTTOM	3832M	WIND	330	06KT	WEATHER	2						
	Dominant	Waves	250	03	05								

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TEN METER DATA

			Z	T	S	O2	PO4	SI03	NO2	NO3	DT		
133.040	06/27/69	0830GMT	25	32.ON	113 43.5W	10	17.91	33.689	.24	3.	.00	.0	362.3
	BOTTOM 2885M WIND 310 04KT WEATHER 1												
	DOMINANT WAVES 310 03 05												
133.050	06/27/69	0407GMT	25	14.5N	114 24.0W	10		33.776	.24	3.	.00	.0	
	BOTTOM 3832M WIND 330 05KT WEATHER 1												
	DOMINANT WAVES 330 02 05												
133.060	06/26/69	2315GMT	24	54.5N	115 02.0W	10	18.14	33.714	.29	3.	.00	.0	365.8
	BOTTOM 4021M WIND 290 05KT WEATHER 2												
	DOMINANT WAVES												
137.022	06/27/69	2120GMT	25	36.ON	112 15.0W	10	17.86	34.050	.61	23.	.00	.0	334.8
	BOTTOM 60M WIND 270 10KT WEATHER 1												
	DOMINANT WAVES 280 01 04												
137.035	06/28/69	0530GMT	25	10.ON	113 04.5W	10	15.20	33.820	.93	24.	.26	1.7	293.0
	BOTTOM 1206M WIND 290 08KT WEATHER 1												
	DOMINANT WAVES 270 01 04												

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