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STATION POSITIONS ~~AS~~

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CCOFI CRUISE 5309

(MLR 52)

9-19 September 1953

CCOFI CRUISE 5310

(MLR 53)

7-24 October 1953

CCOFI CRUISE 5311

(MLR 54)

9-14 November 1953

CCOFI CRUISE 5312

(MLR 55)

1-13 December 1953

SIO Reference 58-44

1 August 1958

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY

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CCOFI CRUISE 5309

(MLR 52)

9-19 September 1953

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7-24 October 1953

CCOFI CRUISE 5311

(MLR 54)

9-14 November 1953

CCOFI CRUISE 5312

(MLR 55)

1-13 December 1953

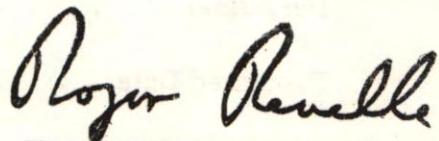
Sponsored by

Marine Research Committee

SIO Reference 58-44

1 August 1958

Approved for distribution:



Roger Revelle, Director

CONTENTS

INTRODUCTION	iii
CRUISE 5309	
List of Figures	v
Personnel	vi
Tabulated Data	344
CRUISE 5310	
List of Figures	viii
Personnel	x
Tabulated Data	353
CRUISE 5311	
List of Figure	xi
Personnel	xiii
Tabulated Data	375
CRUISE 5312	
List of Figures	xiv
Personnel	xvi
Tabulated Data	379

INTRODUCTION

The data in this report were collected on the fifty-second, the fifty-third, the fifty-fourth and the fifty-fifth cruises of the California Cooperative Oceanic Fisheries Investigations program. The R/V Yellowfin of the California Department of Fish and Game and the R/V Crest, the R/V Horizon and the R/V Paolina-T of the Scripps Institution of Oceanography participated in the fifty-second cruise. The R/V Crest and the R/V Paolina-T participated in the fifty-third cruise. The R/V Paolina-T participated in the fifty-fourth cruise. The R/V Crest and the R/V Paolina-T participated in the fifty-fifth cruise.

The data are tabulated at observed depths; the interpolated and computed values are tabulated at standard depths accompanied by charts of horizontal distribution. The presentation of data in this report does not constitute publication, and the interpretations herein may be subject to modification as the program continues.

STANDARD PROCEDURES

To indicate degree of accuracy, temperatures are recorded in tenths of a degree when obtained by bucket thermometer, thermograph, or bathythermograph, while temperatures from reversing thermometers are recorded in hundredths of a degree. Extrapolated values and values interpolated between remote observations are entered within parentheses. A hyphen is used to indicate a missing observed value. The time is the time of messenger release. When more than one cast was made on a station, each messenger time and wire angle is given in the order of increasing depth. A line is left blank between the observed data of each cast.

FOOTNOTES

In addition to standard footnotes, three special notations are used without footnotes because their meaning is always the same.

To indicate a premature or a delayed reversal of the water-sampling device which results in certain depth and property errors, the following notation is used.

p: pretrip or posttrip.

Values which are not drawn through because they seem to be in error without apparent reason are indicated by one of the following notations.

r: rejected value (value seems to be definitely wrong).

u: uncertain value (value may be correct; occasionally it can influence the drawing of the property curve).

FORMAT

These data are typed in the format of the University of California Press publication, "Oceanic Observations of the Pacific." So that these pages can be used as copy for the 1953 volume, the first page of the Cruise 5309 data is numbered 344; Cruise 5310, 353; Cruise 5311, 375; Cruise 5312, 379.

CONTINUOUS		ESTACEDO		SALINAS	
DEPT	TIME	DEPT	TIME	DEPT	TIME
00.0	0000	00.0	0000	00.0	0000
01.0	0001	01.0	0001	01.0	0001
02.0	0002	02.0	0002	02.0	0002
03.0	0003	03.0	0003	03.0	0003
04.0	0004	04.0	0004	04.0	0004
05.0	0005	05.0	0005	05.0	0005
06.0	0006	06.0	0006	06.0	0006
07.0	0007	07.0	0007	07.0	0007
08.0	0008	08.0	0008	08.0	0008
09.0	0009	09.0	0009	09.0	0009
10.0	0010	10.0	0010	10.0	0010
11.0	0011	11.0	0011	11.0	0011
12.0	0012	12.0	0012	12.0	0012
13.0	0013	13.0	0013	13.0	0013
14.0	0014	14.0	0014	14.0	0014
15.0	0015	15.0	0015	15.0	0015
16.0	0016	16.0	0016	16.0	0016
17.0	0017	17.0	0017	17.0	0017
18.0	0018	18.0	0018	18.0	0018
19.0	0019	19.0	0019	19.0	0019
20.0	0020	20.0	0020	20.0	0020
21.0	0021	21.0	0021	21.0	0021
22.0	0022	22.0	0022	22.0	0022
23.0	0023	23.0	0023	23.0	0023
24.0	0024	24.0	0024	24.0	0024
25.0	0025	25.0	0025	25.0	0025
26.0	0026	26.0	0026	26.0	0026
27.0	0027	27.0	0027	27.0	0027
28.0	0028	28.0	0028	28.0	0028
29.0	0029	29.0	0029	29.0	0029
30.0	0030	30.0	0030	30.0	0030
31.0	0031	31.0	0031	31.0	0031
32.0	0032	32.0	0032	32.0	0032
33.0	0033	33.0	0033	33.0	0033
34.0	0034	34.0	0034	34.0	0034
35.0	0035	35.0	0035	35.0	0035
36.0	0036	36.0	0036	36.0	0036
37.0	0037	37.0	0037	37.0	0037
38.0	0038	38.0	0038	38.0	0038
39.0	0039	39.0	0039	39.0	0039
40.0	0040	40.0	0040	40.0	0040
41.0	0041	41.0	0041	41.0	0041
42.0	0042	42.0	0042	42.0	0042
43.0	0043	43.0	0043	43.0	0043
44.0	0044	44.0	0044	44.0	0044
45.0	0045	45.0	0045	45.0	0045
46.0	0046	46.0	0046	46.0	0046
47.0	0047	47.0	0047	47.0	0047
48.0	0048	48.0	0048	48.0	0048
49.0	0049	49.0	0049	49.0	0049
50.0	0050	50.0	0050	50.0	0050
51.0	0051	51.0	0051	51.0	0051
52.0	0052	52.0	0052	52.0	0052
53.0	0053	53.0	0053	53.0	0053
54.0	0054	54.0	0054	54.0	0054
55.0	0055	55.0	0055	55.0	0055
56.0	0056	56.0	0056	56.0	0056
57.0	0057	57.0	0057	57.0	0057
58.0	0058	58.0	0058	58.0	0058
59.0	0059	59.0	0059	59.0	0059
60.0	0060	60.0	0060	60.0	0060
61.0	0061	61.0	0061	61.0	0061
62.0	0062	62.0	0062	62.0	0062
63.0	0063	63.0	0063	63.0	0063
64.0	0064	64.0	0064	64.0	0064
65.0	0065	65.0	0065	65.0	0065
66.0	0066	66.0	0066	66.0	0066
67.0	0067	67.0	0067	67.0	0067
68.0	0068	68.0	0068	68.0	0068
69.0	0069	69.0	0069	69.0	0069
70.0	0070	70.0	0070	70.0	0070
71.0	0071	71.0	0071	71.0	0071
72.0	0072	72.0	0072	72.0	0072
73.0	0073	73.0	0073	73.0	0073
74.0	0074	74.0	0074	74.0	0074
75.0	0075	75.0	0075	75.0	0075
76.0	0076	76.0	0076	76.0	0076
77.0	0077	77.0	0077	77.0	0077
78.0	0078	78.0	0078	78.0	0078
79.0	0079	79.0	0079	79.0	0079
80.0	0080	80.0	0080	80.0	0080
81.0	0081	81.0	0081	81.0	0081
82.0	0082	82.0	0082	82.0	0082
83.0	0083	83.0	0083	83.0	0083
84.0	0084	84.0	0084	84.0	0084
85.0	0085	85.0	0085	85.0	0085
86.0	0086	86.0	0086	86.0	0086
87.0	0087	87.0	0087	87.0	0087
88.0	0088	88.0	0088	88.0	0088
89.0	0089	89.0	0089	89.0	0089
90.0	0090	90.0	0090	90.0	0090
91.0	0091	91.0	0091	91.0	0091
92.0	0092	92.0	0092	92.0	0092
93.0	0093	93.0	0093	93.0	0093
94.0	0094	94.0	0094	94.0	0094
95.0	0095	95.0	0095	95.0	0095
96.0	0096	96.0	0096	96.0	0096
97.0	0097	97.0	0097	97.0	0097
98.0	0098	98.0	0098	98.0	0098
99.0	0099	99.0	0099	99.0	0099
100.0	0100	100.0	0100	100.0	0100

FIGURES

1. CCOFI Cruise 5312 (MLR 55), station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Surface currents measured by geomagnetic electrokinetograph (GEK)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of temperature at 200 meters
7. Horizontal distribution of salinity at 200 meters

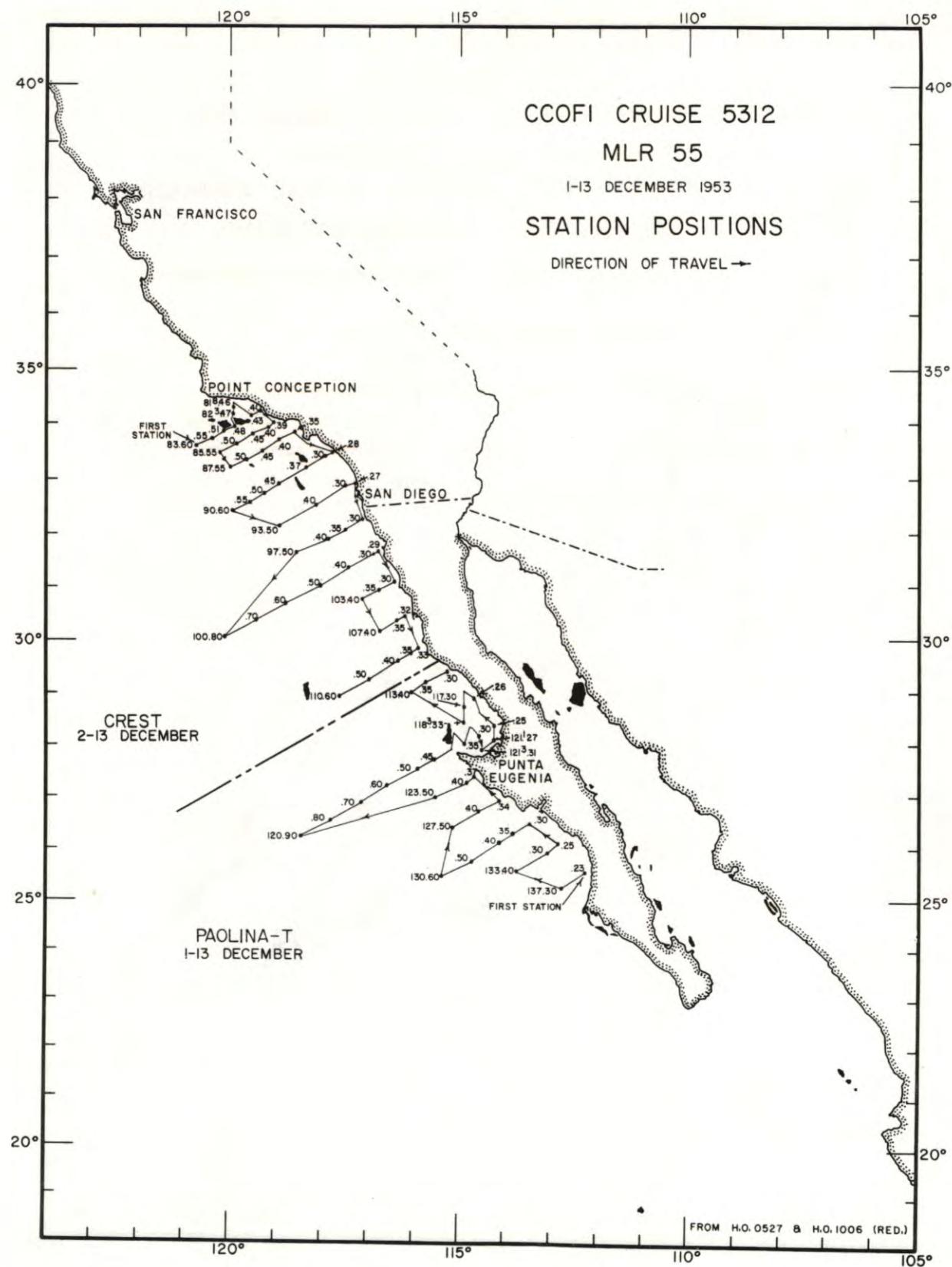


FIGURE I

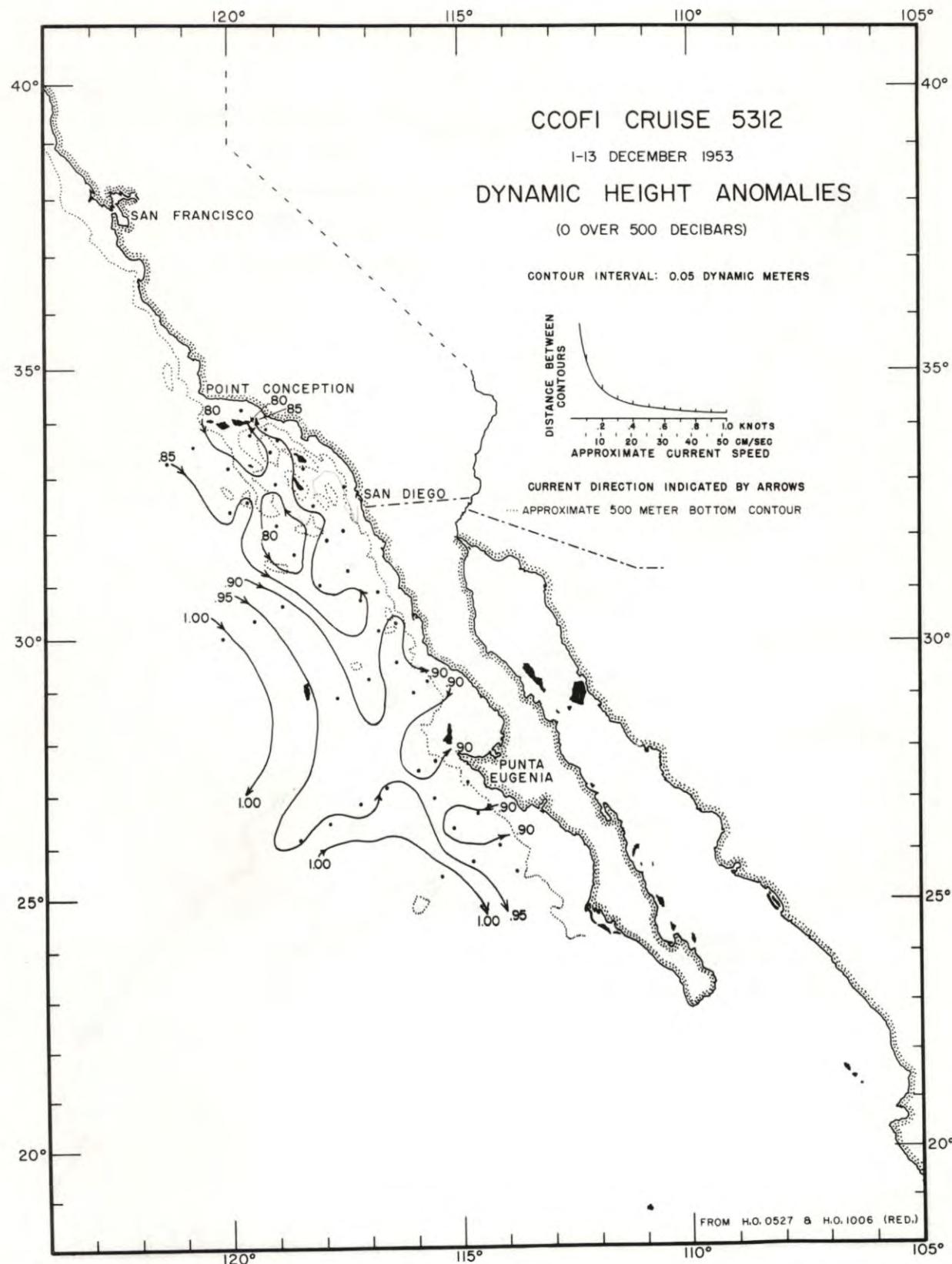


FIGURE 2

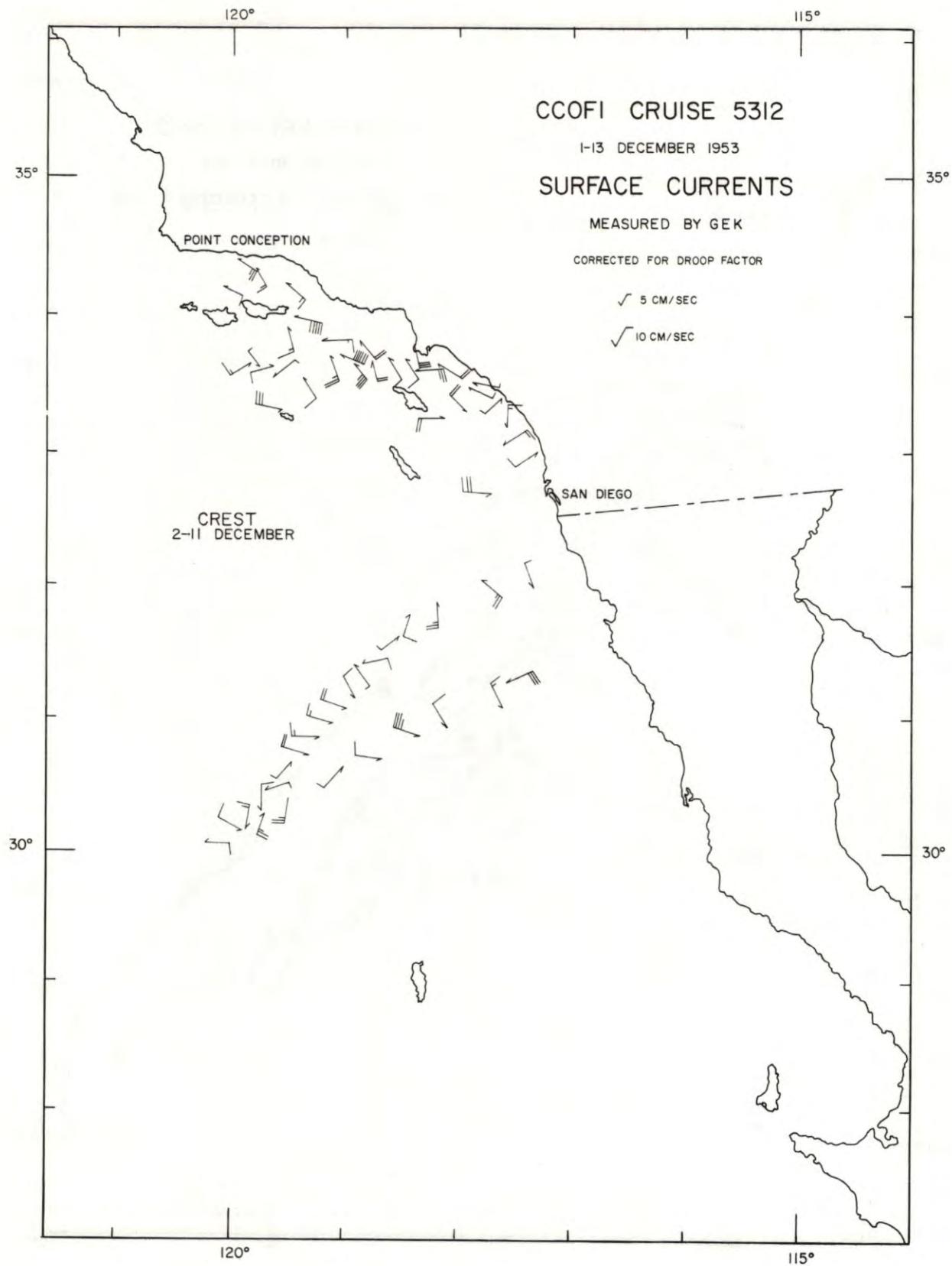


FIGURE 3

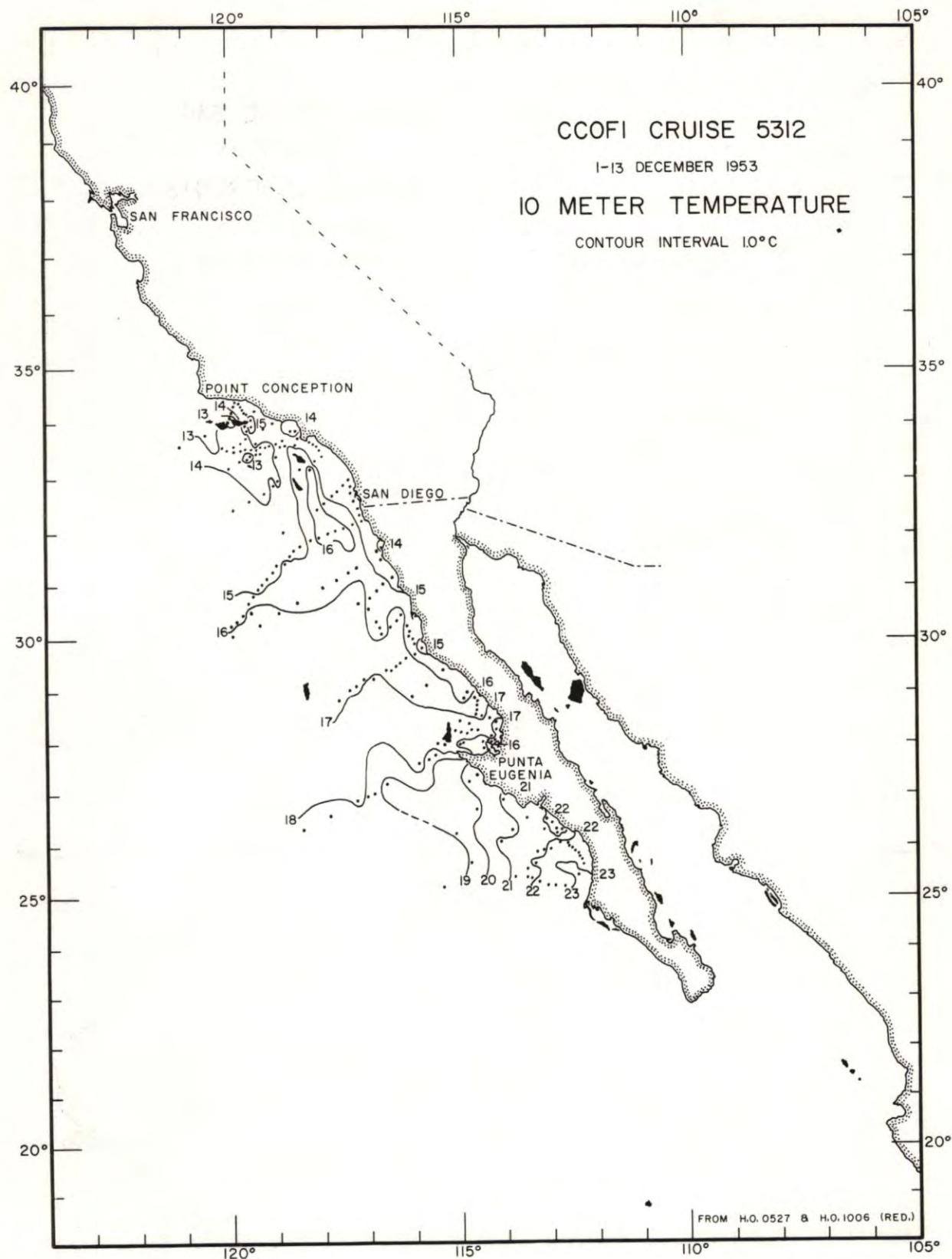


FIGURE 4

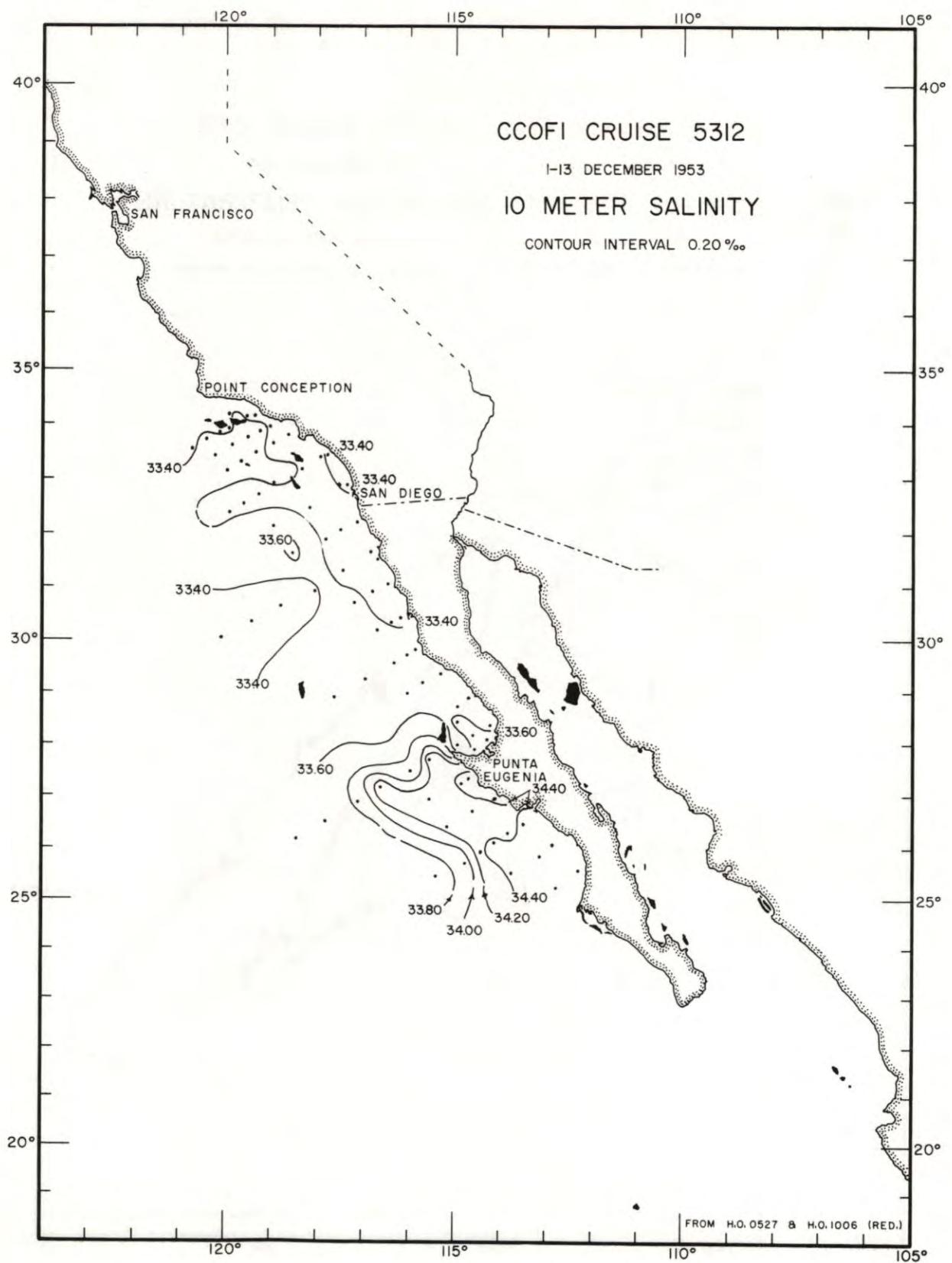


FIGURE 5

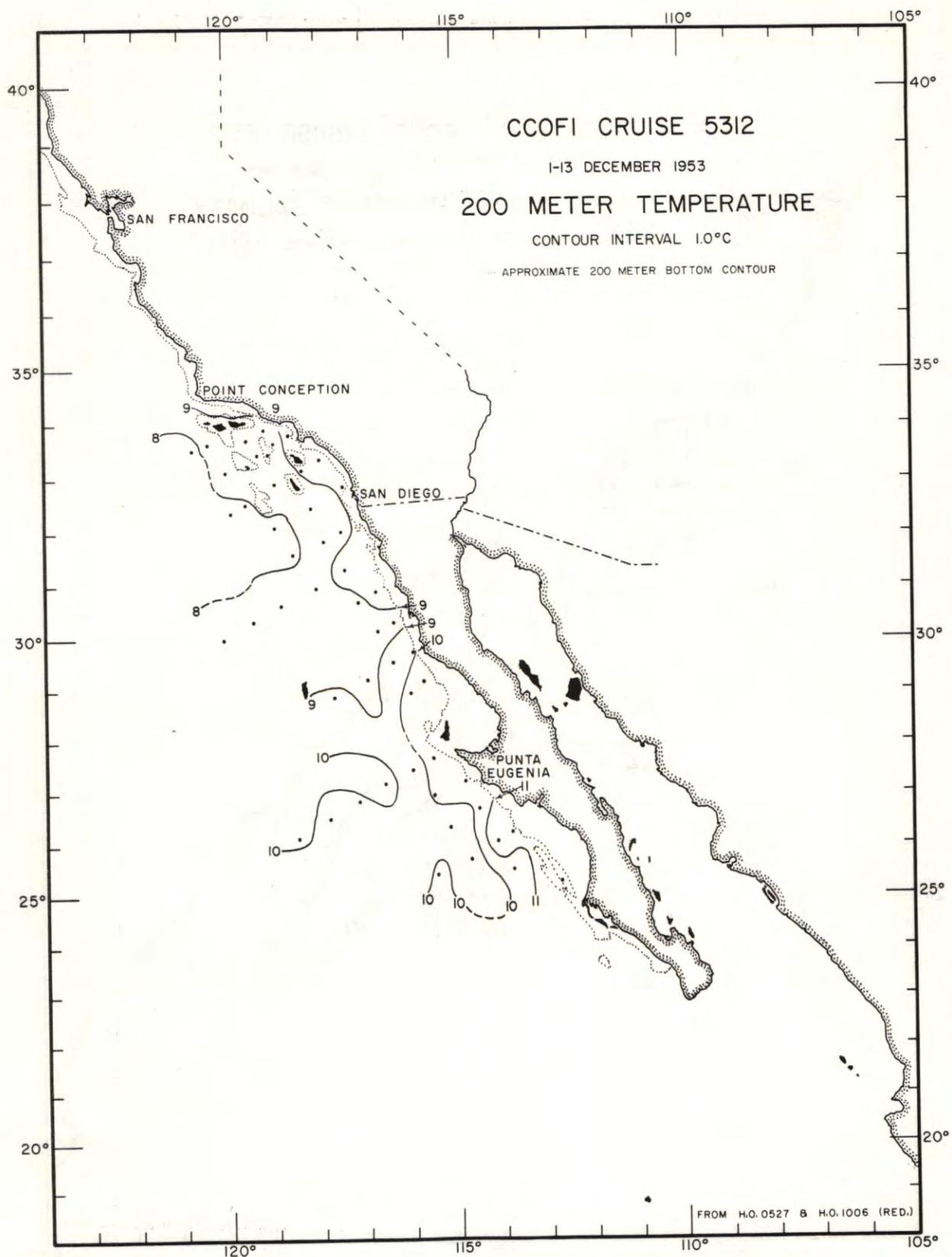


FIGURE 6

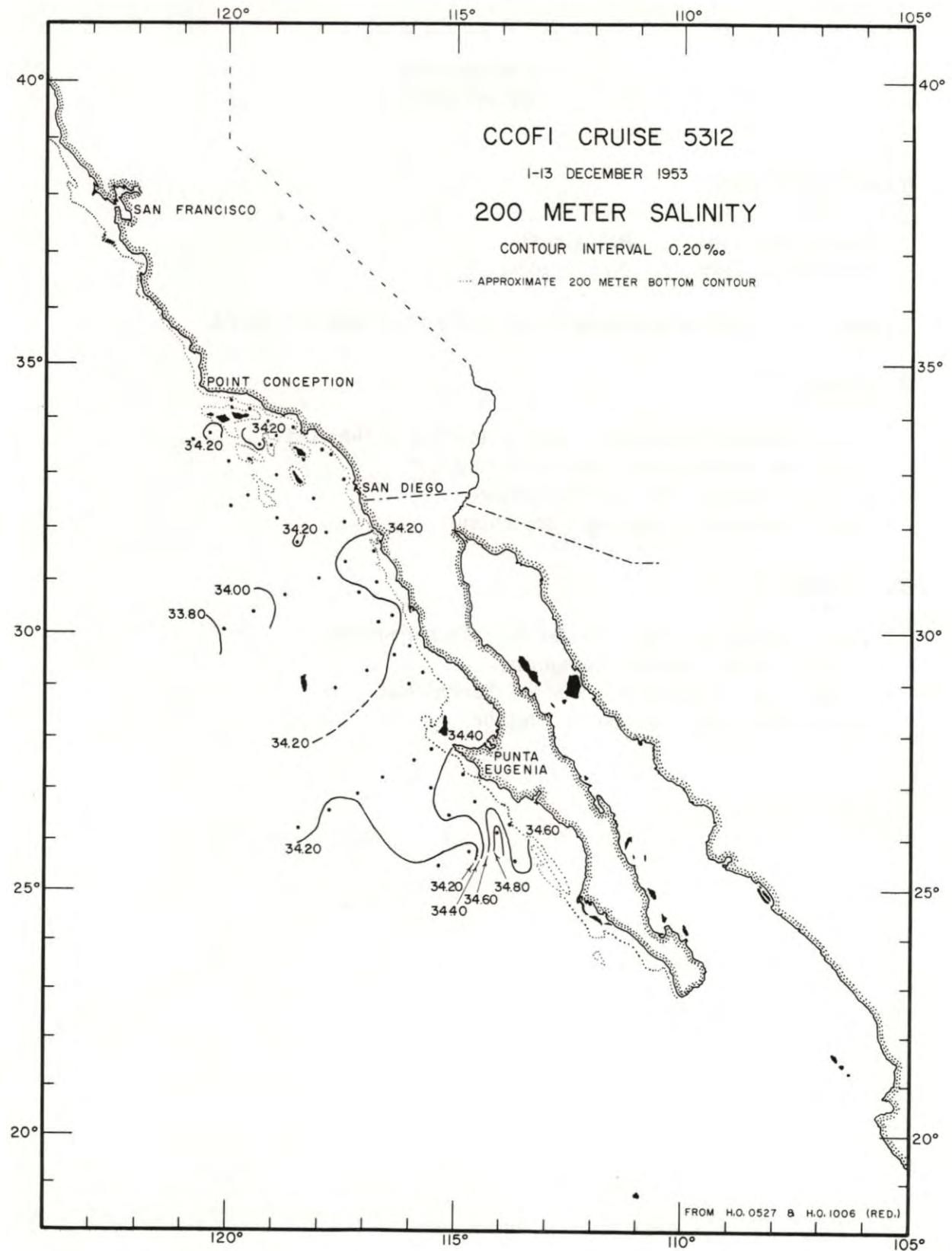


FIGURE 7

CRUISE 5312
PERSONNEL

SHIPS' CAPTAINS

Davis, Laurence E., R/V Crest
Greenway, Glynn C., R/V Paolina-T

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

R/V Crest

Schwartzlose, Richard A., Senior Marine Technician
Anderson, Norman E., Marine Technician
Kivlen, John C., Marine Technician
Lance, James R., Marine Technician

R/V Paolina-T

Payne, Miles M., Jr., Senior Marine Technician
Deacon, Allan, Marine Technician
Greenbaum, Richard H., Marine Technician
Linn, Robert J., Marine Technician

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{cm}^3/\text{g}$	ΔD dyn. m
CREST; December 3, 1953; 1835 GCT; 34°18'N, 119°58'W; sounding, 290 fm; wind, 060°, force 3; weather, cloudy; sea, moderate; wire angle, 10°.								
0	14.07	33.41	0	14.07	33.41	24.97	300	0.00
9	14.08	33.40	10	14.04	33.40	24.96	300	0.03
24	13.32	33.54	20	13.52	33.52	25.16	281	0.06
47	12.16	33.40	30	13.03	33.49	25.24	274	0.09
71	10.72	33.42	50	11.98	33.40	25.37	262	0.75
94	9.94	33.71	75	10.53	33.46	25.68	232	0.81
144	9.86	33.91	100	9.94	33.74	26.00	202	0.87
188	9.48	34.05	150	9.80	33.93	26.17	185	0.36
234	9.05	34.16	200	9.35	34.08	26.36	167	0.46
280	8.53	34.18	250	8.88	34.17	26.51	153	0.54
330	7.82	34.20	300	8.25	34.19	26.62	143	0.61
375	7.28	34.20	400	7.06	34.21	26.81	125	0.75
421	6.92	34.22						

81.46

SIO

CCOFI
5312

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m

82347

CREST; December 3, 1953; 1626 GCT; 34°10.5'N, 119°59.5'W; sounding, 325 fm; wind, 090°, force 3; weather, cloudy; sea, moderate; wire angle, 07°.

0	13.93	33.37	0	13.93	33.37	24.96	300	0.00
9	13.92	33.40	10	13.92	33.40	24.99	298	0.03
20	13.39	33.37	20	13.39	33.37	25.07	290	0.06
34	11.74	33.37	30	12.05	33.37	25.34	264	0.09
48	11.06	33.51	50	10.96	33.53	25.66	234	0.14
61	10.55	33.62	75	10.02	33.74	25.99	202	0.19
75	10.02	33.74	100	9.82	33.78	26.05	197	0.24
94	9.85	33.76	150	9.49	34.03	26.30	173	0.34
117	9.74	33.88	200	9.17	34.10	26.41	163	0.42
144	9.53	34.02	250	8.73	34.12	26.49	155	0.50
190	9.24	34.09	300	8.15	34.17	26.62	143	0.58
236	8.89	34.12	400	7.08	34.29	26.87	119	0.72
283	8.33	34.14	500	6.48	34.23	26.90	116	0.84
380	7.27	34.30						
473	6.53	34.23						
572	6.46	34.23						

8340

CREST; December 4, 1953; 0125 GCT; 34°14'N, 119°22'W; sounding, 12 fm; wind, 300°, force 2; weather, cloudy; sea, slight; wire angle, 00°.

0	14.67	33.38	0	14.67	33.38	24.82	314	0.00
5	14.50	33.40	10	14.34	33.37	24.88	308	0.03
9	14.37	33.37						
14	14.18	33.37						

8343

CREST; December 3, 1953; 2319 GCT; 34°08'N, 119°34'W; sounding, 130 fm; wind, 260°, force 2; weather, cloudy; sea, slight; wire angle, 03°.

0	14.47	33.38	0	14.47	33.38	24.86	310	0.00
9	14.26	33.38	10	14.24	33.38	24.91	305	0.03
19	14.13	33.39	20	14.12	33.39	24.94	302	0.06
48	13.31	33.49	30	13.92	33.43	25.01	296	0.09
73	10.75	33.49	50	13.17	33.49	25.21	277	0.15
95	10.10	33.73	75	10.66	33.49	25.68	232	0.21
147	9.48	34.06	100	10.01	33.78	26.02	200	0.27
193	9.01	34.13	150	9.43	34.07	26.34	169	0.36
			200	(8.94)	(34.14)	(26.48)	(156)	(0.44)

8348

CREST; December 3, 1953; 1400 GCT; 33°58.5'N, 119°55'W; sounding, 75 fm; wind, 290°, force 4; weather, partly cloudy; sea, slight; wire angle, 07°.

0	13.57	33.42	0	13.57	33.42	25.08	289	0.00
9	12.78	33.37	10	12.68	33.37	25.21	277	0.03
19	12.13	33.39	20	12.11	33.40	25.35	263	0.06
28	11.91	33.54	30	11.83	33.53	25.50	249	0.08
47	11.17	33.40	50	11.10	33.41	25.54	245	0.13
73	10.75	33.55	75	(10.79)	(33.56)	(25.71)	(229)	(0.19)

8351

CREST; December 3, 1953; 1126 GCT; 33°52'N, 120°08'W; sounding, 87 fm; wind, 310, force 5; weather, clear; sea, moderate; wire angle, 05°.

0	13.46	33.40	0	13.46	33.40	25.08	289	0.00
9	13.45	33.39	10	13.43	33.39	25.08	289	0.03
19	12.70	33.37	20	12.45	33.37	25.26	272	0.06
28	10.60	33.46	30	10.53	33.48	25.70	230	0.08
48	10.33	33.62	50	10.32	33.62	25.84	217	0.13
73	10.12	33.62	75	10.12	33.63	25.88	213	0.18
96	10.04	33.94	100	(10.04)	(33.96)	(26.15)	(187)	(0.23)

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{cm}^3/\text{g}$	ΔD dyn. m

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5312

CREST; December 3, 1953; 0815 GCT; 33°44'N, 120°25'W; sounding, 550 fm; wind, 320°, force 6; weather, clear; sea, very rough; wire angle, 22°.

83.55

0	12.76	33.47	0	12.76	33.47	25.28	270	0.00
9	12.76	33.46	10	12.76	33.46	25.27	271	0.03
23	12.76	33.48	20	12.76	33.47	25.28	270	0.05
37	11.94	33.62	30	12.50	33.60	25.43	256	0.08
55	10.17	33.59	50	10.35	33.60	25.82	219	0.13
67	9.96	33.73	75	9.79	33.75	26.03	199	0.18
85	9.62	33.78	100	9.44	33.92	26.22	181	0.23
106	9.40	33.95	150	9.13	34.06	26.38	166	0.32
131	9.35	34.00	200	8.78	34.30	26.63	142	0.40
158	9.06	34.10	250	8.37	34.30	26.69	136	0.47
209	8.73	34.31	300	7.79	34.28	26.76	129	0.54
261	8.23	34.11	400	7.08	34.31	26.89	117	0.66
315	7.68	34.28	500	6.21	34.28	26.98	109	0.78
418	6.93	34.31	600	5.54	34.24	27.03	104	0.90
529	6.00	34.27						
637	5.32	34.23						

CREST; December 3, 1953; 0355 GCT; 33°33.5'N, 120°45.5'W; sounding, 920 fm; wind, 320°, force 7; weather, clear; sea, high; wire angle, 43°.

8360

0	13.73	33.40	0	13.73	33.40	25.03	294	0.00
11	13.72	33.39	10	13.72	33.39	25.02	295	0.03
22	13.72	33.35	20	13.72	33.36	25.00	297	0.06
36	13.73	33.32	30	13.73	33.33	24.97	300	0.09
47	13.70	33.38	50	13.68	33.38	25.02	295	0.15
62	11.09	33.29	75	9.43	33.31	25.75	225	0.21
79	9.27	33.32	100	8.86	33.52	26.00	202	0.27
100	8.86	33.52	150	8.38	33.83	26.32	171	0.36
122	8.73	33.69	200	7.79	34.07	26.60	145	0.44
164	8.18	33.91	250	7.23	34.04	26.65	140	0.52
186	8.01	34.08	300	6.71	34.12	26.79	127	0.58
206	7.70	33.98r	400	5.94	34.18	26.93	113	0.71
247	7.18	34.04	500	5.56	34.11	26.93	113	0.83
329	6.45	34.16						
416	5.90	34.18						
516	5.53	34.10						

CREST; December 4, 1953; 0352 GCT; 34°00'N, 119°40'W; sounding, 55 fm; wind, 310°, force 2; weather, cloudy; sea, slight; wire angle, 03°.

85.39

0	15.39	33.36	0	15.39	33.36	24.64	331	0.00
9	15.37	33.37	10	15.35	33.37	24.66	329	0.03
19	15.15	33.37	20	15.11	33.36	24.71	324	0.07
28	14.60	33.33	30	14.34	33.33	24.85	311	0.10
48	12.00	33.34	50	11.85	33.35	25.36	262	0.16
73	10.93	33.55	75	(10.89)	(33.57)	(25.70)	(230)	(0.22)

SIO

CCOFI
5312

8540

CREST; December 4, 1953; 0543 GCT; $33^{\circ}56.5'N$, $119^{\circ}11'W$; sounding, 405 fm;
wind, 350° , force 1; weather, partly cloudy; sea, slight; wire angle, 01° .

Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m
0	15.02	33.35	0	15.02	33.35	24.72	323	0.00
9	15.00	33.42	10	14.99	33.42	24.78	318	0.03
25	14.92	33.35	20	14.94	33.35	24.73	322	0.06
34	14.19	33.39	30	14.83	33.37	24.77	319	0.10
54	12.16	33.30	50	12.75	33.30	25.15	282	0.16
68	11.04	33.39	75	10.85	33.44	25.61	239	0.22
81	10.72	33.47	100	10.23	33.56	25.81	220	0.28
104	10.17	33.59	150	10.01	34.02	26.21	182	0.38
127	10.09	33.85	200	8.92	34.05	26.41	163	0.47
156	10.00	34.03	250	8.80	34.19	26.54	150	0.55
206	8.88	34.05	300	8.26	34.29	26.70	135	0.62
262	8.75	34.22	400	7.22	34.33	26.88	118	0.76
308	8.18	34.30	500	6.43	34.34	27.00	107	0.88
417	7.08	34.33	600	5.88	34.35	27.08	99	0.99
521	6.30	34.34						
627	5.78	34.36						

8545

CREST; December 4, 1953; 1017 GCT; $33^{\circ}47'N$, $119^{\circ}31.5'W$; sounding, 1000 fm;
wind, 350° , force 4; weather, overcast; sea, moderate; wire angle, 15° .

0	13.66	33.47	0	13.66	33.47	25.10	287	0.00
9	13.67	33.47	10	13.67	33.47	25.09	288	0.03
24	11.68	33.47	20	13.25	33.47	25.18	280	0.06
33	10.63	33.57	30	10.97	33.50	25.63	237	0.08
47	10.05	33.61	50	10.00	33.62	25.90	211	0.13
61	9.89	33.66	75	9.53	33.80	26.11	191	0.18
76	9.52	33.80	100	9.36	33.91	26.23	180	0.22
94	9.38	33.86	150	9.14	34.12	26.43	161	0.31
116	9.33	34.02	200	8.93	34.20	26.52	152	0.39
142	9.19	34.10	250	8.51	34.25	26.63	142	0.47
186	9.03	34.18	300	8.05	34.27	26.71	134	0.54
232	8.64	34.05	400	7.14	34.28	26.85	121	0.67
277	8.29	34.27	500	6.39	34.32	26.99	108	0.79
371	7.37	34.27						
465	6.64	34.31						
563	5.93	34.34						

8550

CREST; December 4, 1953; 1352 GCT; $33^{\circ}27'N$, $119^{\circ}52'W$; sounding, 105 fm; wind,
 310° , force 8; weather, clear; sea, high; wire angle, 35° . ^{31'}

0	13.42	33.44	0	13.42	33.44	25.12	285	0.00
8	13.38	33.46	10	13.24	33.46	25.17	280	0.03
21	11.96	33.44	20	12.05	33.44	25.39	260	0.06
24	11.64	33.44	30	11.29	33.45	25.54	245	0.08
39	10.83	33.48	50	10.30	33.54	25.78	222	0.13
60	9.96	33.61	75	9.63	33.80	26.10	192	0.18
80	9.54	33.86						

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

CREST; December 4, 1953; 1825 GCT; 33°27'N, 120°12.5'W; sounding, 650 fm; wind, 310°, force 9; weather, partly cloudy; sea, high; wire angle, 55°.

0	13.02	33.45	0	13.02	33.45	25.21	277	0.00
6	13.00	33.68r	10	13.00	33.44	25.21	277	0.03
15	13.02	33.44	20	13.02	33.46	25.22	276	0.06
24	13.00	33.48	30	12.50	33.39	25.26	272	0.08
35	11.85	33.35	50	9.91	33.47	25.75	225	0.13
43	10.22	33.39	75	9.46	33.69	26.04	198	0.19
54	9.79	33.51	100	(9.04)	(33.70)	(26.12)	(190)	(0.24)
68	9.56	33.58						
81	9.37	33.75						
94	9.15	33.71						

8555

CREST; December 6, 1953; 0927 GCT; 33°50'N, 118°37'W; sounding, 289 fm; wind, 030°, force 3; weather, clear; sea, moderate; wire angle, 04°.

0	13.78	33.40	0	13.78	33.40	25.02	295	0.00
9	13.76	33.64	10	13.74	33.37	25.00	297	0.03
24	13.76	33.35	20	13.76	33.35	24.98	299	0.06
48	11.72	33.37	30	13.36	33.35	25.06	291	0.09
72	11.26	33.42	50	11.68	33.37	25.40	259	0.14
95	10.69	33.53	75	11.19	33.43	25.54	245	0.21
147	9.92	33.81	100	10.58	33.56	25.75	225	0.27
195	9.64	34.05	150	9.90	33.83	26.08	194	0.37
241	9.27	34.16	200	9.62	34.06	26.30	173	0.47
287	8.53	34.27	250	9.14	34.18	26.47	157	0.55
338	7.90	34.26	300	8.35	34.27	26.67	138	0.63
386	7.38	34.28						

87.35

CREST; December 6, 1953; 0450 GCT; 33°40'N, 118°58.5'W; sounding, 510 fm; wind, 330°, force 3; weather, clear; sea, moderate; wire angle, 10°.

0	14.49	33.40	0	14.49	33.40	24.87	309	0.00
9	14.48	33.39	10	14.47	33.39	24.87	309	0.03
19	14.36	33.40	20	14.33	33.40	24.90	306	0.06
33	13.15	33.30	30	13.55	33.31	24.99	298	0.09
52	11.54	33.30	50	11.80	33.30	25.33	265	0.15
67	10.38	33.31	75	10.05	33.33	25.66	234	0.21
80	9.93	33.42	100	9.57	33.60	25.95	206	0.27
104	9.58	33.64	150	9.60	34.01	26.27	176	0.36
126	10.05	33.98	200	8.35	34.10	26.54	150	0.45
153	9.47	34.02	250	8.34	34.19	26.61	144	0.52
201	8.36	34.10	300	8.11	34.24	26.68	137	0.60
256	8.35	34.20	400	7.10	34.36	26.92	114	0.73
301	8.09	34.24	500	6.44	34.35	27.00	107	0.84
405	7.06	34.36	600	5.78	34.39	27.12	95	0.95
506	6.40	34.35						
611	5.70	34.40						

87.40

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	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

8745

CREST; December 6, 1953; 0105 GCT; $33^\circ 29.5' \text{N}$, $119^\circ 18' \text{W}$; sounding, 920 fm; wind, 340° , force 3; weather, clear; sea, rough; wire angle, 05° .

0	13.18	33.46	0	13.18	33.46	25.19	279	0.00
9	12.94	33.46	10	12.93	33.46	25.23	275	0.03
19	12.90	33.42	20	12.90	33.42	25.21	277	0.06
34	10.38	33.52	30	11.17	33.48	25.58	242	0.08
53	9.67	33.62	50	9.73	33.60	25.93	208	0.13
67	9.44	33.71	75	9.32	33.72	26.09	193	0.18
81	9.26	33.73	100	9.26	33.80	26.16	186	0.22
104	9.26	33.83	150	9.27	34.06	26.36	167	0.32
127	7.78p	33.93	200	8.61	34.21	26.58	146	0.40
155	9.26	34.09	250	8.08	34.22	26.67	138	0.47
205	8.52	34.21	300	7.78	34.25	26.74	131	0.54
261	7.99	34.22	400	7.23	34.28	26.84	122	0.67
308	7.77	34.26	500	6.35	34.35	27.02	105	0.79
413	7.13	34.29	600	5.67				
515	6.22	34.35						
620	5.57	34.26r						

8750

CREST; December 5, 1953; 2207 GCT; $33^\circ 19.5' \text{N}$, $119^\circ 39.5' \text{W}$; sounding, 40 fm; wind, 010° , force 2; weather, clear; sea, moderate; wire angle, 02° .

0	12.74	33.43	0	12.74	33.43	25.25	273	0.00
9	12.61	33.44	10	12.59	33.44	25.29	269	0.03
19	12.52	33.44	20	12.51	33.44	25.30	268	0.05
29	12.53	33.48	30	(12.55)	(33.44)	(25.29)	(269)	(0.08)

8755

CREST; December 5, 1953; 1903 GCT; $33^\circ 10' \text{N}$, $120^\circ 20' \text{W}$; sounding, 730 fm; wind, 330° , force 4; weather, clear; sea, very rough; wire angle, 29° .

0	14.00	33.44	0	14.00	33.44	25.00	297	0.00
8	14.01	33.42	10	14.02	33.42	24.98	299	0.03
17	14.02	33.44	20	14.02	33.44	25.00	297	0.06
30	14.00	33.44	30	14.00	33.44	25.00	297	0.09
47	13.57	33.40	50	12.50	33.40	25.27	271	0.15
58	10.79	33.44	75	9.90	33.62	25.91	210	0.21
71	10.03	33.58	100	9.16	33.75	26.14	188	0.26
105p	9.06	33.77	150	8.47	33.89	26.35	168	0.35
157p	8.42	33.91	200	8.20	34.01	26.49	155	0.43
273p	7.80	34.14	250	7.94	34.10	26.60	145	0.51
369p	7.08	34.22	300	7.61	34.17	26.70	135	0.58
468p	6.36	34.21	400	6.84	34.22	26.85	121	0.71
			500	(6.14)	(34.21)	(26.93)	(113)	(0.84)

90.28

CREST; December 6, 1953; 1515 GCT; $33^\circ 28.5' \text{N}$, $117^\circ 46.5' \text{W}$; sounding, 160 fm; wind, 150° , force 2; weather, partly cloudy; sea, slight; wire angle, 04° .

0	14.29	33.40	0	14.29	33.40	24.91	305	0.00
9	14.26	33.49	10	14.26	33.48	24.98	299	0.03
24	14.25	33.40	20	14.27	33.42	24.93	303	0.06
49	12.55	33.37	30	13.79	33.38	25.00	297	0.09
73	11.86	33.51	50	12.51	33.37	25.25	273	0.15
96	11.38	33.71	75	11.81	33.53	25.50	249	0.21
148	9.88	33.86	100	11.22	33.72	25.76	224	0.27
194	9.36	34.04	150	9.84	33.87	26.12	190	0.38
241	9.14	34.23	200	9.32	34.07	26.36	167	0.47
			250	(9.13)	(34.25)	(26.53)	(151)	(0.55)

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_{T_3} $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

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CREST; December 6, 1953; 1731 GCT; $33^\circ 24.5'N$, $117^\circ 55'W$; sounding, 335 fm; wind, calm; weather, partly cloudy; sea, slight; wire angle, 00° .

9030

0	14.34	33.36	0	14.34	33.36	24.87	309	0.00
9	14.30	33.37	10	14.30	33.37	24.89	307	0.03
24	14.28	33.35	20	14.27	33.36	24.88	308	0.06
48	11.46	33.16	30	13.90	33.30	24.92	304	0.09
72	10.45	33.42	50	11.10	33.16	25.35	263	0.15
95	10.62	33.73	75	10.46	33.50	25.72	228	0.21
146	9.84	33.95	100	10.61	33.76	25.90	211	0.27
192	9.58	34.14	150	9.80	33.97	26.20	183	0.37
238	9.23	34.25	200	9.50	34.16	26.40	164	0.45
286	8.84	34.37	250	9.14	34.29	26.56	148	0.54
337	8.13	34.31	300	8.64	34.35	26.69	136	0.61
385	7.63	34.42	400	7.51	34.40	26.90	116	0.74
431	7.24	34.32	500	(6.54)	(34.34)	(26.98)	(109)	(0.86)
478	6.76	34.33						

CREST; December 6, 1953; 2137 GCT; $33^\circ 11'N$, $118^\circ 23'W$; sounding, 610 fm; wind, 270° , force 3; weather, clear; sea, slight; wire angle, 13° .

9037

0	15.98	33.42	0	15.98	33.42	24.56	339	0.00
9	15.83	33.40	10	15.83	33.40	24.58	337	0.03
19	15.82	33.38	20	15.82	33.38	24.56	339	0.07
33	15.76	33.43	30	15.79	33.43	24.61	334	0.10
47	11.92	33.12	50	11.60	33.12	25.23	275	0.16
61	10.91	33.14	75	10.44	33.35	25.62	238	0.23
75	10.44	33.35	100	9.94	33.60	25.89	212	0.28
93	9.96	33.55	150	9.70	33.97	26.22	181	0.38
116	9.96	33.74	200	9.42	34.18	26.43	161	0.47
142	9.76	33.93	250	8.83	34.22	26.56	148	0.55
186	9.54	34.13	300	8.07	34.22	26.67	138	0.62
229	9.14	34.23	400	7.04	34.29	26.88	118	0.76
274	8.42	34.21	500	6.37	34.34	27.01	106	0.88
368	7.30	34.27						
459	6.66	34.33						
557	5.98	34.36						

CREST; December 7, 1953; 1425 GCT; $32^\circ 54.5'N$, $118^\circ 56'W$; sounding, 930 fm; wind, 320° , force 5; weather, overcast; sea, very rough; wire angle, 33° .

9045

0	13.96	33.46	0	13.96	33.46	25.03	294	0.00
7	13.98	33.40	10	13.98	33.40	24.98	299	0.03
21	13.98	33.40	20	13.98	33.40	24.98	299	0.06
45	11.16	33.54	30	13.25	33.46	25.17	280	0.09
64	10.34	33.58	50	10.83	33.55	25.70	230	0.14
88	9.96	33.68	75	10.14	33.63	25.88	213	0.20
129	9.41	33.90	100	9.76	33.74	26.03	199	0.25
167	9.18	34.04	150	9.28	34.00	26.31	172	0.34
213	8.49	34.09	200	8.68	34.08	26.47	157	0.42
249	8.18	34.17	250	8.15	34.17	26.62	143	0.50
336	7.84	34.27	300	8.00	34.25	26.71	134	0.57
419	7.04	34.26	400	7.23	34.26	26.83	123	0.71
503	6.31	34.31	500	6.36	34.31	26.98	109	0.83
670	5.24	34.41	600	5.69	34.37	27.12	95	0.94
850	4.38	34.45	700	5.08	34.42	27.23	85	1.04
1032	3.96	34.24r	800	4.56	34.45	27.31	77	1.13
			1000	4.02	(34.45)	(27.37)	(72)	(1.29)

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	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn.m

90.50

CREST; December 7, 1953; 1804 GCT; $32^\circ 44.5'N$, $119^\circ 16.5'W$; sounding, 170 fm; wind, 310° , force 6; weather, partly cloudy; sea, very rough; wire angle, 30° .

0	13.46	33.31	0	13.46	33.31	25.01	296	0.00
8	13.46	33.30	10	13.44	33.31	25.02	295	0.03
17	13.46	33.37	20	13.47	33.36	25.05	292	0.06
25	13.44	33.34	30	13.28	33.34	25.07	290	0.09
42	12.80	33.34	50	12.48	33.32	25.21	277	0.14
65	11.84	33.29	75	11.08	33.32	25.47	252	0.21
86	10.40	33.40	100	9.82	33.56	25.88	213	0.27
109	9.55	33.66						

90.55

CREST; December 7, 1953; 2155 GCT; $32^\circ 34'N$, $119^\circ 35.5'W$; sounding, 650 fm; wind, 300° , force 5; weather, partly cloudy; sea, high; wire angle, 50° .

0	14.56	33.39	0	14.56	33.39	24.85	311	0.00
8	14.55	33.38	10	14.54	33.38	24.84	312	0.03
20	14.53	33.41	20	14.52	33.41	24.87	309	0.06
40	14.25	33.39	30	14.44	33.41	24.89	307	0.09
55	13.76	33.32	50	13.98	33.35	24.94	302	0.15
72	11.50	33.12	75	11.20	33.12	25.30	268	0.23
110	9.49	33.42	100	9.77	33.30	25.68	232	0.29
141	9.01	33.79	150	8.88	33.86	26.27	176	0.39
173	8.39	33.98	200	7.96	34.05	26.56	148	0.48
208	7.86	34.07	250	7.44	34.15	26.71	134	0.55
276	7.22	34.18	300	7.00	34.18	26.79	127	0.62
347	6.60	34.19	400	6.39	34.25	26.93	113	0.74
420	6.31	34.27	500	5.89	34.34	27.07	100	0.85
494	5.91	34.33	600	5.38	34.39	27.17	91	0.96
575	5.50	34.38	700	4.94	34.41	27.24	84	1.05
745	4.76	34.42						

90.60

CREST; December 8, 1953; 0142 GCT; $32^\circ 25'N$, $119^\circ 57.5'W$; sounding, 470 fm; wind, 310° , force 7; weather, clear; sea, high; wire angle, 28° .

0	14.48	33.37	0	14.48	33.37	24.85	311	0.00
8	14.49	33.37	10	14.48	33.38	24.86	310	0.03
17	14.49	33.39	20	14.49	33.39	24.86	310	0.06
31	14.52	33.36	30	14.52	33.36	24.83	313	0.09
43	14.50	33.38	50	13.55	33.36	25.04	293	0.15
58	12.22	33.27	75	10.32	33.19	25.51	248	0.22
71	10.58	33.18	100	9.36	33.64	26.02	200	0.28
90	9.57	33.51	150	8.63	34.01	26.42	162	0.37
162	8.46	34.04	200	7.98	34.09	26.58	146	0.45
214	7.82	34.12	250	7.45	34.18	26.73	132	0.52
266	7.32	34.20	300	7.06	34.24	26.83	123	0.59
318	6.92	34.26	400	6.26	34.27	26.96	110	0.71
418	6.18	34.28	500	5.82	34.32	27.06	101	0.82
526	5.70	34.33	600	5.31				
631	5.13	34.14r						

93.27

CREST; December 8, 1953; 2144 GCT; $32^\circ 56'N$, $117^\circ 18.5'W$; sounding, 50 fm; wind, 320° , force 3; weather, clear; sea, moderate; wire angle, 08° .

0	14.76	33.40	0	14.76	33.40	24.81	315	0.00
9	14.54	33.42	10	14.51	33.42	24.88	308	0.03
19	14.04	33.40	20	14.02	33.40	24.97	300	0.06
28	13.82	33.37	30	13.65	33.35	25.01	296	0.09
48	12.26	33.19	50	12.18	33.19	25.17	280	0.15
72	11.49	33.40	75	(11.42)	(33.43)	(25.50)	(249)	(0.22)

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{cm}^3/\text{g}$	ΔD dyn. m

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CREST; December 8, 1953; 1944 GCT; 32°51.5'N, 117°31.5'W; sounding, 450 fm; wind, 360°, force 3; weather, cloudy; sea, moderate; wire angle, 07°.						9330		
0	14.44	33.41	0	14.44	33.41	24.89	307	0.00
9	14.22	33.40	10	14.22	33.40	24.93	303	0.03
19	14.18	33.40	20	14.18	33.40	24.93	303	0.06
34	12.37	33.36	30	12.95	33.36	25.15	282	0.09
53	11.43	33.40	50	11.57	33.39	25.44	255	0.14
66	10.92	33.45	75	10.71	33.50	25.68	232	0.20
80	10.64	33.53	100	10.28	33.70	25.91	210	0.26
103	10.22	33.73	150	9.82	33.94	26.18	184	0.36
126	10.06	33.84	200	9.03	34.06	26.40	164	0.45
154	9.78	33.95	250	8.81	34.26	26.59	146	0.53
204	9.00	34.07	300	8.27	34.21	26.63	142	0.60
260	8.74	34.27	400	7.08	34.26	26.85	121	0.74
307	8.18	34.20	500	6.27	34.33	27.01	106	0.86
415	6.94	34.27	600	5.60	34.36	27.12	95	0.97
517	6.16	34.34						
621	5.48	34.36						

CREST; December 8, 1953; 1421 GCT; 32°31'N, 118°10'W; sounding, 960 fm; wind, 320°, force 2; weather, partly cloudy; sea, rough; wire angle, 10°.						9340		
0	16.20	33.35	0	16.20	33.35	24.45	349	0.00
9	16.20	33.36	10	16.20	33.36	24.46	348	0.04
24	16.21	33.40	20	16.20	33.40	24.49	345	0.07
39	15.62	33.40	30	16.18	33.40	24.50	344	0.10
57	11.52	33.06	50	12.60	33.08	25.01	296	0.17
71	11.12	33.21	75	11.02	33.25	25.43	256	0.24
89	10.32	33.37	100	9.80	33.52	25.85	216	0.30
112	9.39	33.65	150	8.82	33.90	26.31	172	0.40
139	8.87	33.86	200	8.43	34.12	26.54	150	0.48
167	8.76	33.96	250	7.92	34.22	26.69	136	0.55
222	8.19	34.19	300	7.56	34.23	26.75	130	0.62
277	7.70	34.24	400	6.89	34.27	26.88	118	0.75
333	7.38	34.22	500	6.16	34.33	27.02	105	0.87
440	6.60	34.30	600	5.53	34.37	27.14	93	0.97
553	5.80	34.35						
662	5.26	34.42						

CREST; December 8, 1953; 0838 GCT; 32°10'N, 118°53.5'W; sounding, 800 fm; wind, 320°, force 6; weather, clear; sea, high; wire angle, 31°.						9350		
0	15.10	33.52	0	15.10	33.52	24.83	313	0.00
7	15.12	33.48	10	15.12	33.48	24.80	316	0.03
21	15.12	33.50	20	15.12	33.50	24.81	315	0.06
34	15.11	33.41	30	15.12	33.42	24.75	320	0.10
51	10.75	33.46	50	10.90	33.46	25.62	238	0.15
79	9.66	33.69	75	9.74	33.67	25.98	204	0.21
98	9.31	33.78	100	9.28	33.79	26.15	187	0.26
122	8.87	33.94	150	8.58	34.08	26.48	156	0.34
148	8.60	34.08	200	7.78	34.03	26.57	148	0.42
195	7.84	34.03	250	7.32	34.14	26.72	133	0.49
246	7.38	34.13	300	6.94	34.21	26.83	123	0.56
295	6.97	34.20	400	6.65	34.32	26.95	111	0.68
395	6.68	34.32	500	6.11	34.34	27.04	103	0.79
505	6.07	34.34	600	5.48	34.33	27.11	96	0.90
612	5.40	34.33						

SIO

CCOFI
5312

	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m

97.30

CREST; December 9, 1953; 0314 GCT; 32°15'N, 117°09'W; sounding, 33 fm; wind, 350°, force 3; weather, clear; sea, moderate; wire angle, 00°.

0	14.42	33.33	0	14.42	33.33	24.83	313	0.00
9	14.44	33.32	10	14.43	33.32	24.82	314	0.03
19	14.40	33.32	20	14.39	33.32	24.83	313	0.06
29	14.12	33.35						

97.35

CREST; December 9, 1953; 0551 GCT; 32°05.5'N, 117°29'W; sounding, 670 fm; wind, 010°, force 3; weather, clear; sea, slight; wire angle, 13°.

0	16.48	33.38	0	16.48	33.38	24.41	353	0.00
9	16.50	33.38	10	16.50	33.38	24.41	353	0.04
19	16.51	33.38	20	16.51	33.38	24.41	353	0.07
33	16.30	33.35	30	16.41	33.36	24.41	353	0.11
47	15.69	33.32	50	15.30	33.30	24.62	333	0.18
61	13.21	33.23	75	11.85	33.32	25.33	265	0.25
74	11.90	33.31	100	10.53	33.56	25.76	224	0.31
92	10.62	33.48	150	9.02	33.81	26.20	183	0.41
116	10.43	33.70	200	8.58	34.07	26.48	156	0.50
142	9.12	33.78	250	8.00	34.12	26.60	145	0.58
187	8.66	34.02	300	7.30	34.12	26.71	134	0.65
231	8.39	34.12	400	6.51	34.23	26.90	116	0.78
277	7.54	34.11	500	6.04	34.31	27.02	105	0.90
372	6.67	34.20						
464	6.24	34.29						
562	5.70	34.34						

97.40

CREST; December 9, 1953; 0912 GCT; 31°55'N, 117°50'W; sounding, 740 fm; wind, 020°, force 3; weather, clear; sea, slight; wire angle, 14°.

0	16.24	33.44	0	16.24	33.44	24.51	343	0.00
9	16.25	33.40	10	16.24	33.40	24.48	346	0.03
19	16.24	33.40	20	16.24	33.40	24.48	346	0.07
34	16.22	33.39	30	16.23	33.39	24.48	346	0.10
53	12.36	33.09	50	13.00	33.09	24.94	302	0.17
66	10.94	33.13	75	10.42	33.30	25.58	242	0.24
80	10.24	33.35	100	9.73	33.47	25.82	219	0.30
104	9.62	33.49	150	8.99	33.89	26.27	176	0.40
126	9.25	33.66	200	8.31	34.01	26.47	157	0.48
154	8.92	33.91	250	7.88	34.11	26.61	144	0.56
205	8.25	34.02	300	7.11	34.14	26.75	130	0.63
262	7.71	34.13	400	6.34	34.24	26.93	113	0.75
308	7.02	34.14	500	5.96	34.32	27.04	103	0.87
417	6.28	34.25	600	5.39	34.39	27.17	91	0.97
523	5.85	34.34						
628	5.20	34.40						

OBSERVED			INTERPOLATED			COMPUTED			SIO
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{cm}^3/\text{g}$	ΔD dyn. m	CCOFI 5312
CREST; December 9, 1953; 1430 GCT; 31°39'N, 118°32.5'W; sounding, 1060 fm; wind, 020°, force 3; weather, clear; sea, moderate; wire angle, 05°.									97.50
0	14.68	33.62	0	14.68	33.62	25.00	297	0.00	
9	14.68	33.62	10	14.68	33.62	25.00	297	0.03	
19	14.68	33.64	20	14.68	33.64	25.01	296	0.06	
33	12.48	33.58	30	13.20	33.58	25.27	271	0.09	
52	9.56	33.78	50	9.65	33.78	26.08	194	0.13	
66	9.37	33.78	75	9.26	33.81	26.17	185	0.18	
79	9.24	33.83	100	8.79	33.95	26.35	168	0.23	
103	8.76	33.96	150	8.24	34.08	26.54	150	0.31	
126	8.61	34.01	200	7.95	34.20	26.67	138	0.38	
153	8.20	34.09	250	7.78	34.22	26.71	134	0.45	
203	7.94	34.20	300	7.05	34.22	26.82	124	0.52	
260	7.71	34.22	400	6.42	34.27	26.94	112	0.64	
306	7.00	34.22	500	5.76	34.30	27.05	102	0.75	
413	6.34	34.27	600	5.30	34.35	27.15	92	0.86	
517	5.67	34.31							
622	5.23	34.37							
CREST; December 11, 1953; 1220 GCT; 31°42'N, 116°43.5'W; sounding, 50 fm; wind, 090°, force 3; weather, clear; sea, moderate; wire angle, 01°.									100.29
0	14.12	33.39	0	14.12	33.39	24.94	302	0.00	
9	13.82	33.39	10	13.78	33.39	25.01	296	0.03	
19	13.26	33.44	20	12.19	33.44	25.17	280	0.06	
28	12.68	33.39	30	12.61	33.39	25.24	274	0.09	
48	12.14	33.44	50	12.09	33.45	25.39	260	0.14	
73	11.46	33.55	75	(11.40)	(33.56)	(25.60)	(240)	(0.20)	
CREST; December 11, 1953; 1100 GCT; 31°40.5'N, 116°47'W; sounding, 238 fm; wind, 120°, force 2; weather, clear; sea, moderate; wire angle, 01°.									100.30
0	14.38	33.33	0	14.38	33.33	24.84	312	0.00	
9	14.36	33.31	10	14.31	33.30	24.83	313	0.03	
25	12.64	33.14	20	13.14	33.17	24.97	300	0.06	
49	11.34	33.22	30	12.24	33.14	25.12	285	0.09	
73	11.54	33.62	50	11.35	33.23	25.36	262	0.15	
96	11.08	33.69	75	11.55	33.63	25.63	237	0.21	
147	10.54	33.96	100	11.02	33.70	25.78	222	0.27	
190	9.90	34.34	150	10.50	33.99	26.10	192	0.37	
242	9.14	34.23	200	9.72	34.34	26.50	154	0.46	
287	8.60	34.27	250	9.03	34.23	26.53	151	0.54	
339	8.04	34.24	300	8.45	34.27	26.65	140	0.61	

SIO

CCOFI
5312

	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m

100.40

CREST; December 11, 1953; 0505 GCT; 31°21'N, 117°27'W; sounding, 1050 fm; wind, 310°, force 5; weather, clear; sea, very rough; wire angle, 08°.

0	15.01	33.39	0	15.01	33.39	24.75	320	0.00
9	14.98	33.33	10	14.96	33.32	24.71	324	0.03
29	12.30	33.11	20	13.80	33.14	24.81	315	0.06
58	11.54	33.50	30	12.22	33.11	25.10	287	0.09
86	11.20	33.67	50	11.70	33.40	25.42	257	0.15
108	10.86	33.77	75	11.33	33.61	25.65	235	0.21
171	10.13	34.13	100	10.99	33.74	25.82	219	0.27
227	9.76	34.29	150	10.32	34.03	26.16	186	0.37
283	9.23	34.32	200	9.92	34.23	26.38	166	0.46
339	7.90	34.27	250	9.59	34.31	26.50	154	0.54
446	6.98	34.25	300	8.89	34.31	26.62	143	0.62
557	5.96	34.35	400	7.39	34.25	26.79	127	0.76
665	5.34	34.38	500	6.41	34.30	26.97	110	0.88
884	4.41	34.45	600	5.68	34.36	27.11	96	1.00
1096	3.74	34.48	700	5.18	34.39	27.19	89	1.10
1301	3.27	34.54	800	4.72	34.43	27.28	80	1.19
			1000	4.03	34.46	27.38	71	1.36

10050

CREST; December 10, 1953; 2352 GCT; 31°00'N, 118°00'W; sounding, 930 fm; wind, 320°, force 5; weather, clear; sea, rough; wire angle, 28°.

0	15.56	34.36r	0	15.56	(33.39)	(24.63)	(332)	(0.00)
8	15.56	33.39	10	15.54	33.39	24.63	332	0.03
22	15.50	33.26	20	15.51	33.26	24.54	340	0.07
35	15.34	33.32	30	15.44	33.31	24.59	336	0.10
52	12.08	33.25	50	12.45	33.25	25.17	280	0.16
65	11.17	33.33	75	10.30	33.36	25.64	236	0.23
81	10.00	33.37	100	9.58	33.48	25.86	215	0.28
101	9.52	33.48	150	8.64	33.85	26.30	173	0.38
124	9.00	33.73	200	8.37	34.07	26.51	153	0.47
150	8.64	33.85	250	7.92	34.18	26.66	139	0.54
196	8.40	34.05	300	7.67	34.23	26.74	131	0.61
244	7.98	34.17	400	6.80	34.34	26.95	111	0.74
291	7.71	34.22	500	5.98	(34.33)	(27.05)	(102)	(0.85)
386	6.96	34.34	600	(5.47)				
489	6.03	34.33						
595	5.49	34.16r						

10060

CREST; December 10, 1953; 1810 GCT; 30°39.5'N, 118°47'W; sounding, 1520 fm; wind, 320°, force 5; weather, clear; sea, rough; wire angle, 35°.

0	15.90	33.28	0	15.90	33.28	24.47	347	0.00
7	15.90	33.24	10	15.90	33.24	24.44	350	0.04
20	15.90	33.28	20	15.90	33.28	24.47	347	0.07
44	15.92	33.26	30	15.91	33.27	24.46	348	0.10
64	12.52	33.03	50	15.93	33.24	24.43	351	0.18
87	10.65	32.98	75	11.25	32.99	25.19	279	0.25
129	9.40	33.49	100	10.18	33.02	25.40	259	0.32
168	8.70	33.82	150	8.90	33.68	26.12	190	0.44
211	8.84	34.07	200	8.83	34.05	26.42	162	0.52
245	7.86	34.04	250	7.81	34.04	26.57	148	0.60
325	7.63	34.24	300	7.68	34.17	26.69	136	0.68
403	7.10	34.31	400	7.12	34.31	26.88	118	0.81
480	6.27	34.28	500	6.10	34.29	27.00	107	0.93
636	5.29	34.40	600	5.45	34.38	27.15	92	1.04
800	4.74	34.43	700	5.07	34.42	27.23	85	1.13
977	4.08	34.46	800	4.74	34.43	27.27	81	1.22
			1000	(3.98)	(34.46)	(27.38)	(71)	(1.39)

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S ‰	Z m	T °C	S ‰	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn.m

SIO

CCOFI
5312

CREST; December 10, 1953; 1217 GCT; 30°21.5'N, 119°26.5'W; sounding, 2100 fm; wind, 330°, force 4; weather, clear; sea, rough; wire angle, 18°.

0	16.14	33.28	0	16.14	33.28	24.41	353	0.00
9	16.14	33.27	10	16.14	33.27	24.41	353	0.04
18	16.14	33.27	20	16.13	33.27	24.41	353	0.07
32	16.10	33.26	30	16.10	33.26	24.41	353	0.11
51	16.14	33.28	50	16.14	33.28	24.41	353	0.18
64	15.28	33.24	75	12.86	33.06	24.94	302	0.26
77	12.84	33.06	100	11.59	33.08	25.20	278	0.33
100	11.59	33.08	150	9.41	33.47	25.88	213	0.46
121	10.46	33.13	200	8.47	33.87	26.34	169	0.55
149	9.46	33.46	250	7.93	34.04	26.55	149	0.64
197	8.50	33.85	300	7.28	34.07	26.67	138	0.71
249	7.94	34.04	400	6.25	34.19	26.90	116	0.84
294	7.36	34.06	500	5.95	(34.29)	(27.02)	(105)	(0.96)
398	6.28	34.18	600	5.46				
498	5.98	34.29						
601	5.46	34.14r						

100.70

CREST; December 10, 1953; 0627 GCT; 30°01'N, 120°07'W; sounding, 2200 fm; wind, 340°, force 5; weather, clear; sea, rough; wire angle, 20°.

0	16.30	33.25	0	16.30	33.25	24.36	358	0.00
8	16.30	33.20	10	16.30	33.21	24.32	361	0.04
23	16.18	33.22	20	16.21	33.22	24.35	359	0.07
51	16.12	33.22	30	16.16	33.22	24.36	358	0.11
72	14.70	33.12	50	16.12	33.22	24.37	357	0.18
101	12.82	33.15	75	14.50	33.12	24.65	330	0.27
149	9.76	33.18	100	12.91	33.15	25.00	297	0.34
195	8.84	33.75	150	9.76	33.18	25.59	240	0.48
246	8.14	34.02	200	8.77	33.81	26.24	179	0.59
288	7.64	34.02	250	8.09	34.02	26.51	153	0.67
391	6.56	34.14	300	7.50	34.03	26.61	144	0.75
480	6.17	34.31	400	6.52	34.16	26.84	122	0.89
574	5.72	34.34	500	6.08	34.32	27.03	104	1.00
759	4.82	34.40	600	5.59	34.35	27.11	96	1.11
1011	4.08	34.47	700	5.09	34.38	27.20	88	1.21
1213	3.61	34.49	800	4.67	34.42	27.27	81	1.30
			1000	4.11	34.47	27.38	71	1.47

10080

CREST; December 11, 1953; 1718 GCT; 31°05'N, 116°25'W; sounding, 40 fm; wind, 050°, force 5; weather, clear; sea, moderate; wire angle, 12°.

0	14.34	33.37	0	14.34	33.37	24.88	308	0.00
9	14.31	33.33	10	14.31	33.32	24.85	311	0.03
19	14.28	33.30	20	14.27	33.30	24.84	312	0.06
28	13.98	33.33	30	13.86	33.34	24.95	301	0.09
47	12.87	33.41						

103.30

SIO

CCOFI
5312

	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

I03.35

CREST; December 11, 1953; 2007 GCT; 30°55.5'N, 116°45'W; sounding, 1000 fm;
wind, 040°, force 4; weather, clear; sea, rough; wire angle, 00°.

0	15.43	33.34	0	15.43	33.34	24.62	333	0.00
10	15.40	33.37	10	15.40	33.37	24.65	330	0.03
20	15.32	33.37	20	15.32	33.37	24.67	328	0.07
34	14.66	33.33	30	15.09	33.35	24.70	325	0.10
54	12.80	33.32	50	13.20	33.32	25.07	290	0.16
68	11.68	33.41	75	11.35	33.47	25.54	245	0.23
82	11.19	33.53	100	10.83	33.61	25.74	226	0.29
106	10.74	33.64	150	10.12	34.04	26.20	183	0.39
129	10.31	33.87	200	9.88	34.25	26.41	163	0.48
157	10.06	34.09	250	9.57	34.40	26.58	146	0.56
206	9.84	34.27	300	8.95	34.38	26.66	139	0.63
262	9.54	34.41	400	7.30	34.35	26.89	117	0.77
307	8.86	34.37	500	6.26	34.29	26.98	109	0.89
419	7.05	34.34	600	5.66	34.37	27.12	95	1.00
515	6.14	34.29						
620	5.56	34.40						

I03.40

CREST; December 11, 1953; 2311 GCT; 30°46.5'N, 117°08'W; sounding, 950 fm;
wind, 300°, force 3; weather, partly cloudy; sea, rough; wire angle, 09°.

0	16.10	33.40	0	16.10	33.40	24.52	342	0.00
9	16.04	33.42	10	16.02	33.43	24.56	339	0.03
19	15.95	33.49	20	15.94	33.49	24.62	333	0.07
34	14.17	33.35	30	15.42	33.39	24.66	329	0.10
53	11.64	33.30	50	12.04	33.30	25.28	270	0.16
67	11.02	33.39	75	10.53	33.51	25.72	228	0.22
81	10.36	33.57	100	10.11	33.72	25.96	205	0.28
105	10.08	33.75	150	8.81	33.94	26.34	169	0.37
127	9.67	33.98	200	8.77	34.17	26.53	151	0.46
156	8.78	33.93	250	8.62	34.30	26.65	140	0.53
207	8.78	34.20	300	8.07	34.33	26.76	129	0.60
263	8.52	34.31	400	7.09	34.33	26.90	116	0.73
309	7.99	34.33	500	6.27	34.35	27.03	104	0.84
417	6.93	34.33	600	5.64	34.40	27.15	92	0.95
519	6.16	34.35						
625	5.51	34.42						

I07.32

CREST; December 12, 1953; 0956 GCT; 30°26.5'N, 116°11'W; sounding, 310 fm;
wind, 120°, force 3; weather, clear; sea, moderate; wire angle, 00°.

0	16.33	33.39	0	16.33	33.39	24.46	348	0.00
9	16.33	33.39	10	16.30	33.39	24.46	348	0.03
25	15.02	33.40	20	15.42	33.40	24.67	328	0.07
49	13.36	33.39	30	14.69	33.40	24.83	313	0.10
74	11.46	33.42	50	13.28	33.39	25.11	286	0.16
96	10.44	33.46	75	11.40	33.42	25.49	250	0.23
120	9.98	33.89	100	10.31	33.48	25.73	227	0.29
149	9.86	33.90	150	(9.86)	(33.90)	(26.14)	(188)	(0.39)

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

CREST; December 12, 1953; 0718 GCT; 30°20'N, 116°23'W; sounding, 1020 fm;
wind, 190°, force 3; weather, clear; sea, moderate; wire angle, 00°.

0	16.51	33.42	0	16.51	33.42	24.44	350	0.00
9	16.52	33.39	10	16.52	33.39	24.41	353	0.04
19	16.52	33.42	20	16.51	33.42	24.44	350	0.07
34	15.50	33.40	30	16.51	33.41	24.43	351	0.10
53	13.10	33.21	50	13.45	33.21	24.94	302	0.17
67	12.14	33.21	75	11.70	33.28	25.33	265	0.24
81	11.42	33.37	100	10.39	33.50	25.74	226	0.30
104	10.20	33.53	150	9.41	33.85	26.17	185	0.41
127	9.58	33.69	200	8.84	34.11	26.47	157	0.50
155	9.38	33.88	250	8.23	34.14	26.59	146	0.57
206	8.77	34.11	300	7.99	34.25	26.71	134	0.65
262	8.14	34.15	400	7.54	34.32	26.83	123	0.78
308	7.97	34.26	500	6.76	34.39	26.99	108	0.90
415	7.47	34.33	600	5.90	34.40	27.11	96	1.01
518	6.60	34.40						
622	5.70	34.40						

CREST; December 12, 1953; 0400 GCT; 30°10.5'N, 116°43.5'W; sounding, 1550 fm;
wind, 290°, force 3; weather, clear; sea, rough; wire angle, 23°.

0	15.82	33.48	0	15.82	33.48	24.64	331	0.00
8	15.82	33.44	10	15.82	33.44	24.61	334	0.03
18	15.78	33.48	20	15.78	33.48	24.65	330	0.07
31	15.66	33.43	30	15.68	33.44	24.64	331	0.10
44	13.35	33.26	50	12.62	33.27	25.15	282	0.16
57	12.22	33.30	75	11.43	33.37	25.45	254	0.23
70	11.63	33.33	100	9.90	33.51	25.83	218	0.29
87	10.92	33.44	150	9.84	33.94	26.17	185	0.39
108	9.85	33.55	200	8.63	34.09	26.48	156	0.48
132	10.01	33.86	250	7.90	34.09	26.60	145	0.55
172	9.06	34.02	300	7.53	34.17	26.71	134	0.63
212	8.48	34.10	400	6.78	34.32	26.93	113	0.76
254	7.86	34.09	500	6.14	34.35	27.04	103	0.87
341	7.24	34.29						
430	6.55	34.33						
528	6.00	34.36						

CREST; December 12, 1953; 1440 GCT; 29°50'N, 115°53'W; sounding, 62 fm; wind,
030°, force 1; weather, clear; sea, moderate; wire angle, 00°.

0	14.98	33.47	0	14.98	33.47	24.82	314	0.00
9	14.98	33.48	10	14.97	33.47	24.82	314	0.03
19	14.70	33.47	20	14.69	33.47	24.88	308	0.06
29	14.52	33.51	30	14.47	33.51	24.96	300	0.09
48	12.52	33.40	50	12.40	33.40	25.29	269	0.15
73	11.39	33.58	75	(11.31)	(33.59)	(25.64)	(236)	(0.21)

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OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m

II035

CREST; December 12, 1953; 1633 GCT; $29^{\circ}46.5'N$, $116^{\circ}00'W$; sounding, 650 fm;
wind, 080° , force 1; weather, clear; sea, moderate; wire angle, 02° .

0	15.21	33.47	0	15.21	33.47	24.77	319	0.00
9	15.26	33.55	10	15.24	33.55	24.82	314	0.03
20	15.12	33.49	20	15.12	33.49	24.80	316	0.06
34	14.28	33.35	30	14.66	33.38	24.82	314	0.10
48	12.54	33.28	50	12.42	33.28	25.20	278	0.15
62	11.80	33.42	75	10.85	33.53	25.68	232	0.22
76	10.85	33.53	100	10.35	33.68	25.88	213	0.27
95	10.38	33.62	150	10.20	34.09	26.23	180	0.37
118	10.38	34.00	200	9.95	34.24	26.39	164	0.46
146	10.21	34.07	250	9.58	34.36	26.54	150	0.54
192	10.00	34.22	300	9.17	34.38	26.63	142	0.62
238	9.66	34.34	400	7.80	34.35	26.81	125	0.76
286	9.33	34.38	500	6.80	34.34	26.95	111	0.88
385	7.99	34.35						
477	7.00	34.34						
577	6.12	34.36						

II040

CREST; December 12, 1953; 1920 GCT; $29^{\circ}36.5'N$, $116^{\circ}19.5'W$; sounding, 1390 fm;
wind, 260° , force 2; weather, clear; sea, moderate; wire angle, 03° .

0	16.48	33.45	0	16.48	33.45	24.47	347	0.00
10	16.26	33.45	10	16.26	33.45	24.52	342	0.04
25	16.08	33.44	20	16.11	33.45	24.55	340	0.07
54	13.72	33.40	30	16.05	33.44	24.56	339	0.10
78	12.76	33.44	50	14.00	33.40	24.97	300	0.17
105	11.30	33.57	75	12.81	33.44	25.24	274	0.24
158	10.14	34.02	100	11.49	33.54	25.57	242	0.30
208	9.54	34.25	150	10.26	33.96	26.12	190	0.41
264	9.17	34.35	200	9.61	34.22	26.43	161	0.50
310	8.76	-	250	9.25	34.33	26.57	148	0.58
396	7.98	34.38	300	8.85	34.37	26.67	138	0.66
498	6.80	34.34	400	7.89	34.37	26.82	124	0.79
601	5.90	34.40	500	6.78	34.34	26.97	110	0.92
824	4.66	34.48	600	5.91	34.40	27.11	96	1.03
1027	3.92	34.58	700	5.30	34.43	27.21	87	1.13
1223	3.41	34.40r	800	4.78	34.47	27.30	78	1.22
			1000	4.00	34.57	27.47	62	1.38

II050

CREST; December 13, 1953; 0119 GCT; $29^{\circ}17.5'N$, $116^{\circ}56.5'W$; sounding, 1600 fm;
wind, 300° , force 3; weather, partly cloudy; sea, moderate; wire angle, 23° .

0	17.09	33.54	0	17.09	33.54	24.39	355	0.00
8	17.00	33.53	10	17.00	33.54	24.42	352	0.04
18	16.97	33.55	20	16.96	33.55	24.43	351	0.07
31	16.93	33.54	30	16.92	33.55	24.44	350	0.11
48	16.44	33.48	50	16.00	33.46	24.58	337	0.17
61	13.87	33.33	75	11.75	33.39	25.41	258	0.25
74	11.99	33.37	100	10.58	33.71	25.87	214	0.31
95	10.72	33.68	150	9.24	33.90	26.24	179	0.41
116	10.25	33.78	200	8.63	34.13	26.52	152	0.49
142	9.36	33.86	250	8.37	34.21	26.62	143	0.57
188	8.77	34.11	300	8.26	34.31	26.71	134	0.64
239	8.34	34.18	400	7.19	34.31	26.87	119	0.77
282	8.42	34.31	500	6.64	34.40	27.02	105	0.89
384	7.30	34.30	600	(5.95)	(34.37)	(27.08)	(99)	(1.00)
483	6.74	34.40						
586	6.06	34.36						

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

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CREST; December 13, 1953; 0642 GCT; 28°56'N, 117°38'W; sounding, 1960 fm; wind, 330°, force 3; weather, clear; sea, moderate; wire angle, 22°.

II0.60

0	16.69	33.48	0	16.69	33.48	24.44	350	0.00
8	16.69	33.49	10	16.69	33.49	24.45	349	0.04
23	16.64	33.48	20	16.66	33.48	24.45	349	0.07
49	16.60	33.42	30	16.63	33.47	24.45	349	0.10
70	13.30	33.23	50	16.60	33.42	24.42	352	0.18
97	11.13	33.35	75	12.55	33.24	25.14	283	0.26
145	9.49	33.77	100	10.95	33.38	25.54	245	0.32
190	9.23	34.14	150	9.44	33.83	26.15	187	0.43
241	8.87	34.22	200	9.19	34.16	26.45	159	0.52
283	8.19	34.25	250	8.72	34.23	26.58	147	0.60
383	7.43	34.27	300	8.03	34.26	26.71	134	0.67
470	6.65	34.34	400	7.28	34.28	26.83	123	0.80
565	5.95	34.29	500	6.43	34.33	26.99	108	0.93
754	5.00	34.36	600	5.74	34.30	27.05	102	1.04
947	4.24	34.52	700	5.24	34.33	27.14	93	1.14
1136	3.64	34.53	800	4.80	34.40	27.24	84	1.24
			1000	4.06	34.53	27.43	66	1.41

PAOLINA-T; December 12, 1953; 2353 GCT; 29°23'N, 115°18'W; sounding, 50 fm; wind, 350°, force 3; weather, partly cloudy; sea, moderate; wire angle, 00°.

II3.30

0	15.66	33.51	0	15.66	33.51	24.70	325	0.00
10	15.43	33.52	10	15.43	33.52	24.76	319	0.03
20	15.30	33.57	20	15.30	33.57	24.82	314	0.06
29	14.86	33.58	30	14.80	33.58	24.94	302	0.10
48	13.71	33.58						

PAOLINA-T; December 12, 1953; 1829 GCT; 29°12.5'N, 115°43.5'W; sounding, 500+ fm; wind, 350°, force 3; weather, clear; sea, slight; wire angle, 00°.

II3.35

0	16.97	33.54	0	16.97	33.54	24.42	352	0.00
10	16.99	33.55	10	16.99	33.55	24.43	351	0.04
19	16.96	33.54	20	16.96	33.54	24.42	352	0.07
34	16.94	33.69	30	16.94	33.69	24.54	340	0.10
48	16.90	33.51	50	16.88	33.44	24.37	357	0.18
63	14.71	33.22	75	12.80	33.26	25.11	286	0.26
77	12.70	33.26	100	11.43	33.29	25.39	260	0.32
96	11.62	33.27	150	10.17	33.89	26.08	194	0.44
117	10.64	33.51	200	10.32	34.31	26.38	166	0.53
144	10.14	33.83	250	9.53	34.37	26.56	148	0.61
188	10.38	34.25	300	8.82	34.38	26.68	137	0.69
279	9.12	34.38	400	7.66	34.38	26.86	120	0.82
376	7.87	34.38	500	6.82	34.37	26.97	110	0.94
470	7.06	34.37						
571	6.20	34.38						

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	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn.m

II3.40

PAOLINA-T; December 12, 1953; 1511 GCT; $29^{\circ}01.5'N$, $116^{\circ}01.5'W$; sounding,
1000 fm; wind, 340° , force 3; weather, clear; sea, rough; wire angle, 08° .

0	16.66	33.44	0	16.66	33.44	24.42	352	0.00
10	16.70	33.43	10	16.70	33.43	24.40	354	0.04
20	16.68	33.42	20	16.68	33.42	24.40	354	0.07
34	16.68	33.42	30	16.68	33.42	24.40	354	0.11
53	16.70	33.42	50	16.70	33.42	24.39	355	0.18
67	14.10	33.19	75	13.00	33.17	25.00	297	0.26
81	12.48	33.17	100	11.14	33.32	25.46	253	0.33
104	10.88	33.36	150	10.27	33.94	26.10	192	0.44
125	10.16	33.55	200	10.23	34.33	26.41	163	0.53
151	10.27	33.95	250	10.22	34.52	26.56	148	0.61
200	10.23	34.33	300	9.06	34.49	26.73	132	0.68
299	9.08	34.49	400	7.96	34.40	26.83	123	0.82
403	7.92	34.40	500	6.66	34.38	27.00	107	0.94
505	6.60	34.38	600	5.93	34.40	27.11	96	1.05
609	5.88	34.40						

II7.26

PAOLINA-T; December 11, 1953; 2042 GCT; $28^{\circ}56.5'N$, $114^{\circ}42'W$; sounding, 40 fm;
wind, 360° , force 8; weather, clear; sea, rough; wire angle, 10° .

0	16.13	33.58	0	16.13	33.58	24.65	330	0.00
10	16.16	33.55	10	16.16	33.55	24.62	333	0.03
15	16.12	33.53	20	16.10	33.56	24.64	331	0.07
20	16.10	33.56	30	15.47	33.50	24.73	322	0.10
29	15.61	33.51	50	12.17	33.41	25.34	264	0.16
39	13.18	33.36						
63	12.52	33.78						

II7.30

PAOLINA-T; December 12, 1953; 0024 GCT; $28^{\circ}48'N$, $114^{\circ}56.5'W$; sounding, 51 fm;
wind, 360° , force 8; weather, clear; sea, rough; wire angle, 12° .

0	15.70	33.52	0	15.70	33.52	24.70	325	0.00
10	15.70	33.49	10	15.70	33.49	24.67	328	0.03
14	15.70	33.50	20	15.71	33.50	24.68	327	0.06
19	15.71	33.50	30	15.70	33.47	24.66	329	0.10
29	15.70	33.47	50	14.84	33.46	24.84	312	0.16
39	15.68	33.50						
63	12.82	33.40						

II8.33

PAOLINA-T; December 12, 1953; 0436 GCT; $28^{\circ}27'N$, $114^{\circ}57.5'W$; sounding, 65 fm;
wind, 360° , force 8; weather, clear; sea, very rough; wire angle, 12° .

0	17.78	33.69	0	17.78	33.69	24.34	360	0.00
10	17.77	33.63	10	17.77	33.63	24.30	363	0.04
19	17.76	33.65	20	17.76	33.65	24.32	361	0.07
28	17.78	-	30	17.78	33.67	24.33	360	0.11
48	17.79	33.68	50	17.77	33.68	24.34	360	0.18
71	15.81	33.48	75	15.38	33.46	24.72	323	0.27
95	13.24	33.44	100	(12.80)	(33.44)	(25.25)	(273)	(0.34)

I2025

PAOLINA-T; December 11, 1953; 1215 GCT; $28^{\circ}23'N$, $114^{\circ}14.5'W$; sounding, 30 fm;
wind, 310° , force 7; weather, clear; sea, moderate; wire angle, 00° .

0	16.69	33.60	0	16.69	33.60	24.53	341	0.00
5	16.73	33.61	10	16.72	33.57	24.50	344	0.03
10	16.72	33.57	20	16.72	33.61	24.53	341	0.07
15	16.71	33.62	30	16.65	33.60	24.54	340	0.10
19	16.72	33.61						
24	16.72	33.61						
29	16.66	33.60						
34	16.60	33.62						
39	-	33.60						
43	-	33.72						

OBSERVED			INTERPOLATED			COMPUTED			SIC
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m	CCOF 5312
PAOLINA-T; December 10, 1953; 1434 GCT; 28°12.5'N, 114°34.5'W; sounding, 55 fm; wind, 360°, force 2; weather, clear; sea, slight; wire angle, 00°.									
0	17.19	33.55	0	17.19	33.55	24.38	356	0.00	I2030
10	17.24	33.62	10	17.24	33.62	24.42	352	0.04	
24	17.23	33.58	20	17.23	33.59	24.40	354	0.07	
39	17.22	33.58	30	17.23	33.58	24.39	355	0.11	
48	17.20	33.58	50	17.20	33.58	24.40	354	0.18	
73	15.50	33.66	75	(15.27)	(33.66)	(24.90)	(306)	(0.26)	
PAOLINA-T; December 10, 1953; 0818 GCT; 28°03'N, 114°53.5'W; sounding, 47 fm; wind, 310°, force 4; weather, clear; sea, moderate; wire angle, 00°.									
0	17.05	33.66	0	17.05	33.66	24.50	344	0.00	I2035
10	17.02	33.58	10	17.02	33.58	24.44	350	0.04	
24	17.02	33.78	20	17.02	33.77	24.59	336	0.07	
38	16.87	33.57	30	16.98	33.74	24.57	338	0.10	
48	16.63	33.62	50	16.50	33.62	24.59	336	0.17	
73	13.61	33.62	75	(13.41)	(33.62)	(25.26)	(272)	(0.25)	
PAOLINA-T; December 10, 1953; 0031 GCT; 27°45'N, 115°33.5'W; sounding, 1180 fm; wind, 340°, force 3; weather, clear; sea, very rough; wire angle, 17°.									
0	18.95	34.33	0	18.95	34.33	24.54	340	0.00	I2045
9	19.00	34.26	10	19.00	34.26	24.48	346	0.03	
23	18.96	34.32	20	18.97	34.30	24.51	343	0.07	
51	14.80	33.77	30	18.94	34.30	24.52	342	0.10	
74	13.17	33.77	50	15.00	33.80	25.07	290	0.17	
102	12.50	34.27	75	13.13	33.81	25.47	252	0.24	
151	11.34	34.24	100	12.55	34.26	25.93	208	0.29	
201	10.28	34.34	150	11.50	34.25	26.12	190	0.39	
300	8.90	34.42	200	10.31	34.34	26.40	164	0.48	
403	7.71	34.35	250	9.56	34.42	26.59	146	0.56	
502	6.80	34.32	300	8.90	34.42	26.70	135	0.64	
602	5.97	34.36	400	7.74	34.35	26.82	124	0.77	
796	4.84	34.43	500	6.83	34.32	26.93	113	0.90	
993	4.06	34.51	600	5.99	34.36	27.07	100	1.01	
1188	3.53	34.56	700	5.33	34.39	27.17	91	1.12	
			800	4.82	34.43	27.27	81	1.21	
			1000	4.04	34.51	27.41	68	1.38	
PAOLINA-T; December 9, 1953; 2000 GCT; 27°33'N, 115°52'W; sounding, 2200 fm; wind, 340°, force 4; weather, clear; sea, very rough; wire angle, 21°.									
0	17.36	33.69	0	17.36	33.69	24.44	350	0.00	I2050
9	17.47	33.78	10	17.49	33.78	24.48	346	0.04	
18	17.54	33.81	20	17.54	33.81	24.49	345	0.07	
32	17.38	33.77	30	17.45	33.79	24.50	344	0.10	
50	14.29	33.42	50	14.29	33.42	24.93	303	0.17	
63	12.46	33.30	75	11.08	33.30	25.46	253	0.24	
75	11.08	33.30	100	10.75	33.66	25.80	221	0.30	
96	10.76	33.58	150	10.14	34.07	26.22	181	0.40	
116	10.72	33.87	200	9.80	34.25	26.42	162	0.49	
140	10.25	34.03	250	9.97	34.40	26.51	153	0.57	
186	9.88	34.20	300	8.98	34.45	26.71	134	0.64	
285	9.26	34.45	400	7.71	34.41	26.87	119	0.78	
384	7.84	34.42	500	6.94	34.40	26.98	109	0.90	
482	7.06	34.40	600	(6.30)	(34.43)	(27.09)	(98)	(1.01)	
584	6.40	34.43							

310

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PAOLINA-T; December 9, 1953; 0948 GCT; 27°12'N, 116°35'W; sounding, 2000+ fm; wind, 360°, force 5; weather, clear; sea, very rough; wire angle, 21°.

Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m
0	19.24	34.34	0	19.24	34.34	24.48	346	0.00
8	19.24	34.27	10	19.24	34.27	24.42	352	0.04
22	19.26	34.27	20	19.26	34.27	24.42	352	0.07
51	18.68	34.13	30	19.26	34.27	24.42	352	0.11
72	13.35	33.58	50	19.00	34.19	24.43	351	0.18
98	12.71	33.98	75	13.13	33.58	25.29	269	0.25
145	10.82	34.07	100	12.74	34.01	25.70	230	0.32
191	10.26	34.20	150	10.72	34.08	26.13	189	0.42
283	9.38	34.38	200	10.16	34.23	26.34	169	0.51
378	8.42	34.40	250	10.03	34.34	26.45	159	0.60
471	7.04	34.33	300	9.19	34.39	26.63	142	0.68
566	6.38	34.38	400	8.07	34.39	26.81	125	0.82
754	5.06	34.42	500	6.81	34.34	26.95	111	0.95
948	4.33	34.42	600	6.12	34.40	27.08	99	1.06
1143	3.78	34.45	700	5.37	34.43	27.20	88	1.16
			800	4.86	34.43	27.26	82	1.25
			1000	4.19	34.42	27.33	75	1.43

12070

PAOLINA-T; December 9, 1953; 0247 GCT; 26°53'N, 117°10'W; sounding, missing; wind, 310°, force 5; weather, partly cloudy; sea, rough; wire angle, 20°.

0	17.83	33.80	0	17.83	33.80	24.42	352	0.00
9	17.86	33.80	10	17.86	33.80	24.41	353	0.04
18	17.84	33.81	20	17.84	33.81	24.42	352	0.07
32	17.84	33.83	30	17.84	33.83	24.44	350	0.11
46	17.73	33.80	50	17.72	33.75	24.40	354	0.18
59	15.46	33.68	75	14.16	33.64	25.12	285	0.26
73	14.20	33.64	100	11.55	33.78	25.75	225	0.32
90	13.24	33.78	150	11.50	34.24	26.11	191	0.43
111	11.46	33.77	200	9.96	34.23	26.38	166	0.52
134	11.89	34.23	250	9.62	34.43	26.59	146	0.60
175	10.10	34.13	300	8.94	34.41	26.69	136	0.67
257	9.47	34.43	400	7.88	34.41	26.85	121	0.81
344	8.50	34.40	500	6.94	34.40	26.98	109	0.93
433	7.52	34.42						
528	6.74	34.39						

12080

PAOLINA-T; December 8, 1953; 1928 GCT; 26°32'N, 117°48'W; sounding, 2000+ fm; wind, 340°, force 6; weather, partly cloudy; sea, very rough; wire angle, 19°.

0	18.44	33.61	0	18.44	33.61	24.12	380	0.00
9	18.44	33.63	10	18.44	33.63	24.14	379	0.04
23	18.43	33.61	20	18.43	33.62	24.13	380	0.08
51	18.42	33.54	30	18.43	33.59	24.11	382	0.11
74	14.47	33.33	50	18.42	33.55	24.08	384	0.19
102	12.24	33.40	75	14.40	33.33	24.83	313	0.28
150	10.16	33.86	100	12.40	33.39	25.28	270	0.35
198	9.56	34.14	150	10.16	33.86	26.06	196	0.47
291	9.48	34.51	200	9.56	34.15	26.38	166	0.56
390	7.80	34.42	250	9.95	34.44	26.54	150	0.64
485	6.74	34.44	300	9.34	34.50	26.69	136	0.72
581	6.06	34.38	400	7.67	34.42	26.89	117	0.85
773	5.01	34.49	500	6.63	34.44	27.05	102	0.97
970	4.24	34.48	600	5.96	34.38	27.09	98	1.08
1166	3.70	34.47	700	5.40	34.43	27.20	88	1.18
			800	4.89	34.49	27.31	77	1.27
			1000	4.16	34.48	27.38	71	1.43

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

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5312

PAOLINA-T; December 8, 1953; 1208 GCT; $26^\circ 13'N$, $118^\circ 27'W$; sounding, 2000 fm;
wind, 340° , force 7; weather, clear; sea, very rough; wire angle, 23° .

120.90

0	18.42	33.67	0	18.42	33.67	24.17	376	0.00
10	18.46	33.66	10	18.46	33.66	24.15	378	0.04
19	18.46	33.61	20	18.46	33.61	24.12	380	0.08
34	18.44	33.62	30	18.44	33.61	24.12	380	0.11
53	18.44	33.65	50	18.44	33.65	24.15	378	0.19
67	14.86	33.40	75	13.05	33.33	25.11	286	0.27
82	12.20	33.30	100	11.15	33.45	25.56	243	0.34
105	11.00	33.53	150	10.50	34.01	26.11	191	0.45
129	10.62	33.81	200	10.17	34.32	26.41	163	0.54
155	10.47	34.05	250	9.09	34.28	26.56	148	0.62
204	10.03	34.32	300	8.30	34.23	26.65	140	0.70
304	8.23	34.23	400	7.35	34.34	26.87	119	0.83
408	7.29	34.35	500	6.54	34.38	27.01	106	0.95
510	6.46	34.38	600	5.83	34.42	27.14	93	1.06
616	5.72	34.43						

PAOLINA-T; December 11, 1953; 0945 GCT; $28^\circ 07.5'N$, $114^\circ 14.5'W$; sounding, 11
fm; wind, 310° , force 3; weather, clear; sea, moderate; wire angle, 00° .

121.27

0	17.11	33.80	0	17.11	33.80	24.59	336	0.00
3	17.14	33.78	10	17.14	33.78	24.57	338	0.03
6	17.15	33.97	20	17.01	33.76	24.58	337	0.07
9	17.14	33.78						
12	17.14	33.78						
15	17.10	33.79						
18	17.13	33.75						
21	16.93	33.77						

PAOLINA-T; December 10, 1953; 1734 GCT; $27^\circ 57'N$, $114^\circ 29'W$; sounding, 20 fm;
wind, 360° , force 1; weather, clear; sea, slight; wire angle, 00° .

121.31

0	16.56	33.62	0	16.56	33.62	24.58	337	0.00
5	16.62	33.67	10	16.58	33.64	24.59	336	0.03
10	16.58	33.64	20	16.55	33.65	24.60	335	0.07
15	16.58	33.69	30	16.46	33.63	24.61	334	0.10
19	16.56	33.65						
22	16.53	33.66						
25	16.50	33.66						
28	16.47	33.57						
31	16.45	33.64						
33	-	33.64						

PAOLINA-T; December 7, 1953; 0303 GCT; $27^\circ 24'N$, $114^\circ 40'W$; sounding, 40 fm;
wind, 310° , force 4; weather, clear; sea, moderate; wire angle, 00° .

12337

0	20.12	34.45	0	20.12	34.45	24.33	360	0.00
10	20.14	34.42	10	20.14	34.42	24.30	363	0.04
20	20.14	34.99	20	20.14	34.49	24.36	358	0.07
29	20.14	34.48	30	20.14	34.47	24.34	360	0.11
49	17.65	34.10						

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	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

12340

PAOLINA-T; December 7, 1953; 0527 GCT; 27°18'N, 114°52'W; sounding, 380 fm; wind, 310°, force 4; weather, clear; sea, moderate; wire angle, 15°.

0	20.40	34.41	0	20.40	34.41	24.23	370	0.00
10	20.40	34.41	10	20.40	34.41	24.23	370	0.04
19	20.41	34.41	20	20.41	34.41	24.22	371	0.07
33	18.61	34.23	30	19.40	34.24	24.36	358	0.11
46	18.36	34.22	50	17.75	34.17	24.72	323	0.18
60	15.48	34.04	75	15.30	34.12	25.25	273	0.25
73	15.32	34.12	100	13.65	34.23	25.68	232	0.32
86	13.84	34.02	150	12.23	34.50	26.18	185	0.42
111	14.05	34.42	200	10.87	34.56	26.48	156	0.51
137	12.65	34.46	250	9.82	34.53	26.64	141	0.59
181	11.36	34.56	300	9.31	34.50	26.70	135	0.66
270	9.56	34.51	400	8.17	34.45	26.84	122	0.80
364	8.65	34.47	500	6.90	34.41	26.99	108	0.92
454	7.42	34.42						
547	6.40	34.41						

12350

PAOLINA-T; December 7, 1953; 1148 GCT; 26°58.5'N, 115°31'W; sounding, 1990 fm; wind, 340, force 6; weather, clear; sea, very rough; wire angle, 26°.

0	19.83	34.13	0	19.83	34.13	24.16	377	0.00
9	19.84	34.34	10	19.84	34.34	24.32	361	0.04
18	19.84	34.17	20	19.84	34.17	24.19	374	0.07
32	19.80	34.18	30	19.81	34.18	24.21	372	0.11
51	14.91	33.49	50	16.25	33.49	24.55	340	0.18
65	13.62	33.69	75	13.30	33.87	25.48	251	0.26
78	13.23	33.89	100	12.18	34.05	25.84	217	0.32
101	12.12	34.05	150	10.65	34.21	26.24	179	0.42
124	11.37	34.11	200	10.35	34.39	26.44	160	0.50
150	10.65	34.21	250	9.80	34.42	26.55	149	0.58
198	10.37	34.38	300	9.23	34.42	26.65	140	0.66
296	9.27	34.42	400	8.06	34.41	26.82	124	0.80
399	8.06	34.63r	500	7.01	34.38	26.95	111	0.92
499	7.02	34.38	600	6.13	34.41	27.09	98	1.03
601	6.12	34.41						

12734

PAOLINA-T; December 6, 1953; 2103 GCT; 26°56'N, 114°07'W; sounding, 44 fm; wind, 060°, force 4; weather, partly cloudy; sea, moderate; wire angle, 00°.

0	20.18	34.47	0	20.18	34.47	24.33	360	0.00
10	20.17	34.40	10	20.17	34.40	24.28	365	0.04
20	20.18	34.45	20	20.18	34.45	24.32	361	0.07
30	20.18	34.48	30	20.18	34.48	24.34	360	0.11
49	19.26	34.42						

12740

PAOLINA-T; December 6, 1953; 1402 GCT; 26°44.5'N, 114°33.5'W; sounding, 2300 fm; wind, 330°, force 3; weather, partly cloudy; sea, moderate; wire angle, 10°.

0	19.93	34.33	0	19.93	34.33	24.29	364	0.00
9	19.95	34.29	10	19.94	34.29	24.26	367	0.04
19	19.94	34.29	20	19.93	34.29	24.26	367	0.07
33	19.94	34.29	30	19.93	34.29	24.26	367	0.11
52	16.18	33.88	50	17.00	33.88	24.68	327	0.18
67	13.96	33.87	75	12.90	33.81	25.51	248	0.25
81	12.57	33.80	100	12.29	34.02	25.79	222	0.31
104	12.22	34.05	150	10.14	34.13	26.27	176	0.41
128	10.80	34.00	200	10.06	34.44	26.52	152	0.50
155	10.10	34.18	250	10.30	34.52	26.55	149	0.57
204	10.06	34.45	300	9.10	34.49	26.72	133	0.65
301	9.08	34.49	400	7.73	34.40	26.86	120	0.78
404	7.68	34.40	500	6.73	34.43	27.03	104	0.90
507	6.66	34.43	600	5.82	34.45	27.16	92	1.00
615	5.69	34.45						

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^5 \text{ cm}^3/\text{g}$	ΔD dyn. m

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5312

PAOLINA-T; December 6, 1953; 0709 GCT; 26°25'N, 115°09'W; sounding, 1200 fm;
wind, 310°, force 5; weather, clear; sea, very rough; wire angle, 14°.

127.50

0	19.14	34.24	0	19.14	34.24	24.42	352	0.00
9	19.14	34.22	10	19.14	34.22	24.41	353	0.04
19	19.15	34.36	20	19.15	34.36	24.51	343	0.07
33	19.14	34.22	30	19.14	34.30	24.47	347	0.10
52	12.60	33.31	50	12.61	33.31	25.18	280	0.17
66	12.76	33.64	75	12.63	33.80	25.56	243	0.23
80	12.40	33.83	100	11.82	33.88	25.77	223	0.29
104	11.68	33.89	150	10.19	34.19	26.31	172	0.39
125	10.40	33.96	200	9.72	34.41	26.56	148	0.47
152	10.16	34.20	250	9.23	34.44	26.66	139	0.55
199	9.72	34.40	300	8.73	34.45	26.75	130	0.62
297	8.76	34.45	400	7.68	34.48	26.93	113	0.75
400	7.68	34.48	500	6.63	34.49	27.09	98	0.86
503	6.60	34.49	600	5.86	34.47	27.17	91	0.96
606	5.81	34.47						

PAOLINA-T; December 4, 1953; 2355 GCT; 26°29'N, 113°29'W; sounding, 45 fm;
wind, 310°, force 4; weather, clear; sea, rough; wire angle, 00°.

130.30

0	21.66	34.40	0	21.66	34.40	23.88	403	0.00
10	21.67	34.46	10	21.67	34.46	23.92	400	0.04
20	21.67	34.47	20	21.67	34.47	23.93	399	0.08
29	21.49	34.42	30	21.41	34.41	23.95	397	0.12
48	18.62	34.14						

PAOLINA-T; December 5, 1953; 0340, 0409 GCT; 26°19.5'N, 113°48.5'W; sounding,
350 fm; wind, 310°, force 5; weather, clear; sea, rough; wire angle, 14°, missing.

130.35

0	20.95	34.36	0	20.95	34.36	24.04	388	0.00
10	20.93	34.36	10	20.93	34.36	24.05	387	0.04
24	20.92	34.31	20	20.92	34.33	24.03	389	0.08
47	16.06	33.48	30	20.91	34.30	24.03	389	0.12
71	13.72	33.48	50	15.50	33.47	24.70	325	0.19
94	13.02	33.87	75	13.57	33.54	25.17	280	0.27
144	12.40	34.61	100	12.83	34.01	25.68	232	0.33
188	11.64	34.57	150	11.53	34.61	26.39	164	0.43
233	10.98	34.60	200	11.47	34.57	26.37	166	0.52
			250	10.75	34.60	26.53	151	0.60
271	10.47	34.52	300	10.03	34.52	26.59	146	0.68
322	9.65	34.56						
368	8.77	34.50						

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	OBSERVED			INTERPOLATED			COMPUTED		
	Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{ cm}^3/\text{g}$	ΔD dyn. m

13040

PAOLINA-T; December 5, 1953; 0805, 0837 GCT; 26°08'N, 114°07'W; sounding, 1200 fm; wind, 290°, force 5; weather, clear; sea, rough; wire angle, 15°, 15°.

0	21.22	34.52	0	21.22	34.52	24.09	383	0.00
10	21.22	34.52	10	21.22	34.52	24.09	383	0.04
23	21.22	34.49	20	21.22	34.51	24.08	384	0.08
52	15.46	33.62	30	21.22	34.50	24.08	384	0.12
75	13.84	33.89	50	16.00	33.62	24.71	324	0.19
103	12.79	34.16	75	13.84	33.89	25.38	260	0.26
154	11.47	34.60	100	12.90	34.14	25.77	223	0.32
205	10.89	34.87	150	11.57	34.57	26.36	167	0.42
			200	11.64	34.86	26.57	148	0.50
262	10.03	34.58	250	10.84	34.63 ⁷³	26.54	150	0.58
306	8.88	34.49	300	8.97	34.49	26.74	131	0.66
413	8.13	34.54	400	8.27	34.54	26.89	117	0.79
515	6.85	34.44	500	7.03	34.44	26.99	108	0.91
614	5.91	34.46	600	6.03	34.46	27.14	93	1.01
813	4.92	34.50	700	5.46	34.48	27.23	85	1.11
1015	4.17	34.58	800	4.99	34.50	27.30	78	1.20
1210	3.69	34.58	1000	4.20	34.58	27.45	64	1.36

13050

PAOLINA-T; December 5, 1953; 1529 GCT; 25°45.5'N, 114°43'W; sounding, 2200 fm; wind, 310°, force 5; weather, partly cloudy; sea, rough; wire angle, 28°.

0	18.98	33.71	0	18.98	33.71	24.06	386	0.00
9	19.02	33.93	10	19.02	33.93	24.22	371	0.04
18	19.00	33.69	20	19.00	33.69	24.04	388	0.08
30	19.00	33.71	30	19.00	33.71	24.06	386	0.12
61	15.34	33.32	50	16.60	33.44	24.43	351	0.19
72	14.76	33.42	75	14.57	33.49	24.92	304	0.27
92	13.21	33.57	100	12.79	33.56	25.34	264	0.34
111	11.28	33.51	150	10.05	33.88	26.09	193	0.46
132	10.48	33.73	200	9.09	34.17	26.47	157	0.55
171	9.64	34.02	250	8.90	34.34	26.64	141	0.62
212	8.98	34.22	300	8.78	34.45	26.74	131	0.70
249	8.90	34.34	400	7.88	34.49	26.91	115	0.82
337	8.58	34.49	500	7.01	34.49	27.04	103	0.94
428	7.56	34.49						
527	6.84	34.49						

13060

PAOLINA-T; December 5, 1953; 2315, 2332 GCT; 25°29'N, 115°24'W; sounding, 2000+ fm; wind, 310°, force 5; weather, clear; sea, very rough; wire angle, 20°, 20°.

0	18.80	33.54	0	18.80	33.54	23.98	394	0.00
9	18.82	33.55	10	18.82	33.55	23.98	394	0.04
18	18.81	33.55	20	18.81	33.55	23.98	394	0.08
32	18.76	33.52	30	18.77	33.54	23.99	393	0.12
			50	16.86	33.38	24.33	360	0.19
50	16.86	33.38	75	14.23	33.31	24.85	311	0.28
65	15.12	33.38	100	12.45	33.39	25.27	271	0.35
77	14.16	33.31	150	10.66	34.18	26.22	181	0.47
100	12.45	33.39	200	10.30	34.19 ²⁰	26.29	174	0.56
123	11.45	33.61	250	11.37	34.45 ²⁰	26.30	173	0.65
150	10.66	34.18	300	10.00	34.49	26.57	148	0.73
197	10.16	34.18	400	8.83	34.43	26.72	133	0.88
294	10.13	34.49	500	8.06	34.50	26.89	117	1.01
393	8.87	34.43	600	(5.63)	(34.49)	(27.22)	(86)	(1.12)
491	8.18	34.50						
589	5.92	34.49						

OBSERVED			INTERPOLATED			COMPUTED		
Z m	T °C	S %	Z m	T °C	S %	σ_t g/L	δ_T $10^{-5} \text{cm}^3/\text{g}$	ΔD dyn. m

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PAOLINA-T; December 4, 1953; 1806 GCT; 26°06'N, 112°50.5'W; sounding, 46 fm;
wind, 310°, force 3; weather, cloudy; sea, moderate; wire angle, 00°.

13325

0	22.22	34.52	0	22.22	34.52	23.81	410	0.00
10	22.22	34.54	10	22.22	34.54	23.83	408	0.04
20	22.22	34.58	20	22.22	34.58	23.86	405	0.08
29	22.22	34.56	30	22.22	34.55	23.84	407	0.12
48	21.14	34.40						

PAOLINA-T; December 4, 1953; 1520 GCT; 25°57.5'N, 113°05.5'W; sounding, 74 fm;
wind, 310°, force 1; weather, cloudy; sea, moderate; wire angle, 00°.

13330

0	22.30	34.57	0	22.30	34.57	23.83	408	0.00
10	22.31	34.52	10	22.31	34.52	23.79	412	0.04
19	22.28	34.52	20	22.28	34.52	23.80	411	0.08
29	22.28	34.54	30	22.28	34.54	23.81	410	0.12
48	19.06	34.07	50	18.67	34.07	24.41	353	0.20
73	15.75	34.11	75	15.62	34.13	25.18	280	0.28
97	14.68	34.42	100	(14.60)	(34.44)	(25.65)	(235)	(0.34)

PAOLINA-T; December 4, 1953; 0847 GCT; 25°34.5'N, 113°45.5'W; sounding, 1600
fm; wind, calm; weather, clear; sea, slight; wire angle, 00°.

13340

0	21.26	34.44	0	21.26	34.44	24.02	390	0.00
9	21.26	34.47	10	21.26	34.47	24.04	388	0.04
19	21.26	34.44	20	21.26	34.44	24.02	390	0.08
34	21.19	34.56	30	21.22	34.56	24.12	381	0.12
48	15.11	33.49	50	14.60	33.49	24.92	304	0.18
62	13.41	33.49	75	12.50	33.57	25.40	259	0.25
76	12.46	33.57	100	11.62	33.81	25.76	224	0.32
95	11.70	33.68	150	10.83	34.25	26.24	179	0.42
118	11.41	34.05	200	10.58	34.51	26.49	155	0.50
145	10.85	34.22	250	10.14	34.55	26.60	145	0.58
191	10.67	34.47	300	9.16	34.48	26.71	134	0.66
238	10.37	34.56	400	8.14	34.45	26.84	122	0.79
282	9.40	34.49	500	7.08	34.45	27.00	107	0.91
379	8.36	34.45						
472	7.36	34.44						
572	6.32	34.48						

PAOLINA-T; December 3, 1953; 1945 GCT; 25°34.5'N, 112°19'W; sounding, 42 fm;
wind, calm; weather, partly cloudy; sea, calm; wire angle, 00°.

13723

0	23.15	34.55	0	23.15	34.55	23.57	433	0.00
10	22.98	34.52	10	22.98	34.52	23.60	430	0.04
19	22.93	34.52	20	22.91	34.52	23.62	428	0.09
29	22.14	34.43	30	22.09	34.42	23.77	414	0.13
49	21.46	34.33						

PAOLINA-T; December 4, 1953; 0035 GCT; 25°20'N, 112°45.5'W; sounding, 175 fm;
wind, 310°, force 1; weather, clear; sea, moderate; wire angle, 03°.

13730

0	22.84	34.59	0	22.84	34.59	23.69	422	0.00
10	22.66	34.56	10	22.66	34.56	23.72	419	0.04
24	22.59	34.61	20	22.60	34.60	23.77	414	0.08
47	22.22	34.49	30	22.51	34.60	23.79	412	0.12
71	16.58	33.95	50	22.17	34.43	23.76	415	0.21
94	14.75	34.14	75	16.04	33.95	24.95	301	0.30
144	13.50	34.54	100	14.56	34.23	25.49	250	0.37
189	12.19	34.63	150	13.30	39.56	26.01	201	0.48
236	11.31	34.66	200	11.97	34.64	26.33	170	0.58

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